

BENEFIT ANNUITY VALUE AND OPTION FACTORS – EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
18	1	25.68215	26.72925	0.99866	0.95499	0.97698	0.99866	0.95472	0.97683	21.97831	22.57586	0.99876	0.96880	0.98415	0.99876	0.96864	0.98407
18	2	25.68215	26.68154	0.99866	0.95630	0.97766	0.99866	0.95601	0.97751	21.97831	22.55058	0.99876	0.96959	0.98456	0.99876	0.96943	0.98448
18	3	25.68215	26.63112	0.99866	0.95763	0.97835	0.99866	0.95733	0.97820	21.97831	22.52338	0.99876	0.97041	0.98498	0.99876	0.97024	0.98490
18	4	25.68215	26.57806	0.99866	0.95898	0.97906	0.99866	0.95867	0.97890	21.97831	22.49433	0.99876	0.97124	0.98541	0.99876	0.97107	0.98532
18	5	25.68215	26.52283	0.99866	0.96035	0.97977	0.99866	0.96002	0.97960	21.97831	22.46379	0.99876	0.97209	0.98585	0.99876	0.97191	0.98575
18	6	25.68215	26.46539	0.99866	0.96173	0.98049	0.99866	0.96139	0.98031	21.97831	22.43176	0.99876	0.97295	0.98629	0.99876	0.97276	0.98619
18	7	25.68215	26.40551	0.99866	0.96313	0.98122	0.99866	0.96277	0.98103	21.97831	22.39806	0.99876	0.97382	0.98674	0.99876	0.97362	0.98664
18	8	25.68215	26.34335	0.99866	0.96453	0.98195	0.99866	0.96415	0.98175	21.97831	22.36278	0.99876	0.97471	0.98719	0.99876	0.97450	0.98708
18	9	25.68215	26.27867	0.99866	0.96594	0.98267	0.99866	0.96554	0.98247	21.97831	22.32575	0.99876	0.97559	0.98765	0.99876	0.97537	0.98753
18	10	25.68215	26.21121	0.99866	0.96734	0.98340	0.99866	0.96692	0.98318	21.97831	22.28674	0.99876	0.97649	0.98810	0.99876	0.97626	0.98798
18	11	25.68215	26.14141	0.99866	0.96874	0.98412	0.99866	0.96830	0.98390	21.97831	22.24611	0.99876	0.97738	0.98856	0.99876	0.97714	0.98844
18	12	25.68215	26.06892	0.99866	0.97013	0.98484	0.99866	0.96967	0.98460	21.97831	22.20360	0.99876	0.97827	0.98902	0.99876	0.97802	0.98889
18	13	25.68215	25.99388	0.99866	0.97151	0.98555	0.99866	0.97103	0.98530	21.97831	22.15929	0.99876	0.97916	0.98947	0.99876	0.97889	0.98933
18	14	25.68215	25.91617	0.99866	0.97286	0.98624	0.99866	0.97236	0.98599	21.97831	22.11310	0.99876	0.98004	0.98992	0.99876	0.97975	0.98977
18	15	25.68215	25.83587	0.99866	0.97419	0.98693	0.99866	0.97367	0.98666	21.97831	22.06509	0.99876	0.98090	0.99036	0.99876	0.98061	0.99021
18	16	25.68215	25.75319	0.99866	0.97549	0.98759	0.99866	0.97494	0.98731	21.97831	22.01544	0.99876	0.98175	0.99079	0.99876	0.98145	0.99064
18	17	25.68215	25.66857	0.99866	0.97676	0.98824	0.99866	0.97619	0.98795	21.97831	21.96453	0.99876	0.98259	0.99122	0.99876	0.98227	0.99105
18	18	25.68215	25.58235	0.99866	0.97798	0.98887	0.99866	0.97740	0.98857	21.97831	21.91267	0.99876	0.98340	0.99163	0.99876	0.98307	0.99146
18	19	25.68215	25.49361	0.99866	0.97917	0.98947	0.99866	0.97857	0.98917	21.97831	21.85907	0.99876	0.98419	0.99203	0.99876	0.98385	0.99186
18	20	25.68215	25.40164	0.99866	0.98031	0.99006	0.99866	0.97969	0.98974	21.97831	21.80312	0.99876	0.98495	0.99242	0.99876	0.98460	0.99224
18	21	25.68215	25.30562	0.99866	0.98141	0.99062	0.99866	0.98077	0.99029	21.97831	21.74411	0.99876	0.98569	0.99280	0.99876	0.98533	0.99261
18	22	25.68215	25.20517	0.99866	0.98246	0.99115	0.99866	0.98181	0.99082	21.97831	21.68171	0.99876	0.98641	0.99316	0.99876	0.98603	0.99297
18	23	25.68215	25.09967	0.99866	0.98346	0.99166	0.99866	0.98280	0.99132	21.97831	21.61537	0.99876	0.98709	0.99350	0.99876	0.98671	0.99331
18	24	25.68215	24.98936	0.99866	0.98442	0.99215	0.99866	0.98374	0.99180	21.97831	21.54528	0.99876	0.98775	0.99384	0.99876	0.98735	0.99363
18	25	25.68215	24.87419	0.99866	0.98533	0.99261	0.99866	0.98463	0.99225	21.97831	21.47137	0.99876	0.98838	0.99416	0.99876	0.98797	0.99395
18	26	25.68215	24.75420	0.99866	0.98619	0.99305	0.99866	0.98547	0.99268	21.97831	21.39367	0.99876	0.98898	0.99446	0.99876	0.98855	0.99424
18	27	25.68215	24.62994	0.99866	0.98700	0.99346	0.99866	0.98627	0.99309	21.97831	21.31262	0.99876	0.98955	0.99475	0.99876	0.98911	0.99452
18	28	25.68215	24.50119	0.99866	0.98777	0.99385	0.99866	0.98702	0.99347	21.97831	21.22804	0.99876	0.99009	0.99502	0.99876	0.98964	0.99479
18	29	25.68215	24.36788	0.99866	0.98849	0.99421	0.99866	0.98773	0.99382	21.97831	21.13984	0.99876	0.99060	0.99528	0.99876	0.99014	0.99505
18	30	25.68215	24.23009	0.99866	0.98917	0.99455	0.99866	0.98839	0.99416	21.97831	21.04806	0.99876	0.99109	0.99553	0.99876	0.99061	0.99529
18	31	25.68215	24.08752	0.99866	0.98980	0.99488	0.99866	0.98902	0.99448	21.97831	20.95246	0.99876	0.99155	0.99576	0.99876	0.99106	0.99551
18	32	25.68215	23.94006	0.99866	0.99040	0.99518	0.99866	0.98960	0.99477	21.97831	20.85289	0.99876	0.99199	0.99598	0.99876	0.99149	0.99573
18	33	25.68215	23.78740	0.99866	0.99096	0.99546	0.99866	0.99015	0.99505	21.97831	20.74907	0.99876	0.99240	0.99619	0.99876	0.99189	0.99593
18	34	25.68215	23.62942	0.99866	0.99149	0.99573	0.99866	0.99067	0.99531	21.97831	20.64088	0.99876	0.99279	0.99638	0.99876	0.99227	0.99612
18	35	25.68215	23.46579	0.99866	0.99199	0.99598	0.99866	0.99116	0.99556	21.97831	20.52800	0.99876	0.99316	0.99657	0.99876	0.99263	0.99630
18	36	25.68215	23.29632	0.99866	0.99245	0.99621	0.99866	0.99161	0.99579	21.97831	20.41023	0.99876	0.99351	0.99675	0.99876	0.99297	0.99647
18	37	25.68215	23.12089	0.99866	0.99289	0.99643	0.99866	0.99204	0.99601	21.97831	20.28745	0.99876	0.99384	0.99691	0.99876	0.99329	0.99663
18	38	25.68215	22.93911	0.99866	0.99330	0.99664	0.99866	0.99245	0.99621	21.97831	20.15926	0.99876	0.99416	0.99707	0.99876	0.99359	0.99679
18	39	25.68215	22.75087	0.99866	0.99368	0.99683	0.99866	0.99283	0.99640	21.97831	20.02555	0.99876	0.99446	0.99722	0.99876	0.99388	0.99693
18	40	25.68215	22.55572	0.99866	0.99405	0.99702	0.99866	0.99318	0.99658	21.97831	19.88587	0.99876	0.99474	0.99736	0.99876	0.99416	0.99707
18	41	25.68215	22.35340	0.99866	0.99439	0.99719	0.99866	0.99352	0.99675	21.97831	19.73995	0.99876	0.99501	0.99750	0.99876	0.99441	0.99720

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<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
18	42	25.68215	22.14385	0.99866	0.99471	0.99735	0.99866	0.99384	0.99691	21.97831	19.58769	0.99876	0.99526	0.99763	0.99876	0.99466	0.99732
18	43	25.68215	21.92669	0.99866	0.99502	0.99750	0.99866	0.99414	0.99706	21.97831	19.42870	0.99876	0.99551	0.99775	0.99876	0.99489	0.99744
18	44	25.68215	21.70178	0.99866	0.99531	0.99765	0.99866	0.99442	0.99720	21.97831	19.26280	0.99876	0.99574	0.99786	0.99876	0.99512	0.99755
18	45	25.68215	21.46876	0.99866	0.99558	0.99778	0.99866	0.99469	0.99734	21.97831	19.08963	0.99876	0.99596	0.99798	0.99876	0.99533	0.99766
18	46	25.68215	21.22763	0.99866	0.99583	0.99791	0.99866	0.99494	0.99746	21.97831	18.90911	0.99876	0.99617	0.99808	0.99876	0.99553	0.99776
18	47	25.68215	20.97813	0.99866	0.99608	0.99803	0.99866	0.99518	0.99758	21.97831	18.72094	0.99876	0.99637	0.99818	0.99876	0.99572	0.99786
18	48	25.68215	20.72003	0.99866	0.99631	0.99815	0.99866	0.99540	0.99770	21.97831	18.52488	0.99876	0.99656	0.99828	0.99876	0.99590	0.99795
18	49	25.68215	20.45326	0.99866	0.99652	0.99826	0.99866	0.99562	0.99780	21.97831	18.32076	0.99876	0.99674	0.99837	0.99876	0.99608	0.99803
18	50	25.68215	20.17742	0.99866	0.99673	0.99836	0.99866	0.99582	0.99791	21.97831	18.10816	0.99876	0.99691	0.99845	0.99876	0.99624	0.99812
18	51	25.68215	19.89339	0.99866	0.99692	0.99846	0.99866	0.99601	0.99800	21.97831	17.88781	0.99876	0.99708	0.99854	0.99876	0.99640	0.99820
18	52	25.68215	19.60122	0.99866	0.99710	0.99855	0.99866	0.99619	0.99809	21.97831	17.65967	0.99876	0.99723	0.99862	0.99876	0.99655	0.99827
18	53	25.68215	19.30125	0.99866	0.99728	0.99864	0.99866	0.99637	0.99818	21.97831	17.42398	0.99876	0.99738	0.99869	0.99876	0.99669	0.99834
18	54	25.68215	18.99375	0.99866	0.99744	0.99872	0.99866	0.99653	0.99826	21.97831	17.18091	0.99876	0.99753	0.99876	0.99876	0.99683	0.99841
18	55	25.68215	18.67912	0.99866	0.99759	0.99880	0.99866	0.99668	0.99834	21.97831	16.93076	0.99876	0.99766	0.99883	0.99876	0.99696	0.99848
18	56	25.68215	18.35803	0.99866	0.99774	0.99887	0.99866	0.99683	0.99841	21.97831	16.67407	0.99876	0.99779	0.99889	0.99876	0.99708	0.99854
18	57	25.68215	18.02853	0.99866	0.99787	0.99894	0.99866	0.99697	0.99848	21.97831	16.40902	0.99876	0.99791	0.99895	0.99876	0.99720	0.99860
18	58	25.68215	17.69065	0.99866	0.99800	0.99900	0.99866	0.99710	0.99855	21.97831	16.13552	0.99876	0.99803	0.99901	0.99876	0.99731	0.99865
18	59	25.68215	17.34441	0.99866	0.99813	0.99906	0.99866	0.99722	0.99861	21.97831	15.85354	0.99876	0.99814	0.99907	0.99876	0.99741	0.99871
18	60	25.68215	16.98967	0.99866	0.99824	0.99912	0.99866	0.99734	0.99867	21.97831	15.56284	0.99876	0.99824	0.99912	0.99876	0.99752	0.99876
18	61	25.68215	16.62627	0.99866	0.99835	0.99918	0.99866	0.99745	0.99872	21.97831	15.26320	0.99876	0.99835	0.99917	0.99876	0.99761	0.99881
18	62	25.68215	16.25423	0.99866	0.99846	0.99923	0.99866	0.99756	0.99878	21.97831	14.95454	0.99876	0.99844	0.99922	0.99876	0.99771	0.99885
18	63	25.68215	15.87341	0.99866	0.99856	0.99928	0.99866	0.99766	0.99883	21.97831	14.63664	0.99876	0.99854	0.99927	0.99876	0.99780	0.99890
18	64	25.68215	15.48353	0.99866	0.99865	0.99932	0.99866	0.99776	0.99888	21.97831	14.30913	0.99876	0.99862	0.99931	0.99876	0.99789	0.99894
18	65	25.68215	15.08480	0.99866	0.99874	0.99937	0.99866	0.99785	0.99892	21.97831	13.97213	0.99876	0.99871	0.99935	0.99876	0.99797	0.99898
18	66	25.68215	14.67724	0.99866	0.99883	0.99941	0.99866	0.99794	0.99897	21.97831	13.62552	0.99876	0.99879	0.99940	0.99876	0.99805	0.99902
18	67	25.68215	14.26104	0.99866	0.99891	0.99945	0.99866	0.99803	0.99901	21.97831	13.26940	0.99876	0.99887	0.99944	0.99876	0.99813	0.99906
18	68	25.68215	13.83657	0.99866	0.99898	0.99949	0.99866	0.99811	0.99906	21.97831	12.90401	0.99876	0.99895	0.99947	0.99876	0.99820	0.99910
18	69	25.68215	13.40435	0.99866	0.99906	0.99953	0.99866	0.99819	0.99910	21.97831	12.52973	0.99876	0.99902	0.99951	0.99876	0.99828	0.99914
18	70	25.68215	12.96501	0.99866	0.99913	0.99956	0.99866	0.99827	0.99914	21.97831	12.14706	0.99876	0.99909	0.99954	0.99876	0.99835	0.99917
18	71	25.68215	12.51927	0.99866	0.99919	0.99960	0.99866	0.99835	0.99917	21.97831	11.75658	0.99876	0.99915	0.99958	0.99876	0.99842	0.99921
18	72	25.68215	12.06792	0.99866	0.99926	0.99963	0.99866	0.99842	0.99921	21.97831	11.35893	0.99876	0.99922	0.99961	0.99876	0.99848	0.99924
18	73	25.68215	11.61185	0.99866	0.99932	0.99966	0.99866	0.99849	0.99924	21.97831	10.95491	0.99876	0.99928	0.99964	0.99876	0.99855	0.99927
18	74	25.68215	11.15217	0.99866	0.99937	0.99969	0.99866	0.99856	0.99928	21.97831	10.54549	0.99876	0.99933	0.99967	0.99876	0.99861	0.99930
18	75	25.68215	10.68986	0.99866	0.99943	0.99971	0.99866	0.99862	0.99931	21.97831	10.13154	0.99876	0.99939	0.99969	0.99876	0.99867	0.99933
18	76	25.68215	10.22626	0.99866	0.99948	0.99974	0.99866	0.99869	0.99934	21.97831	9.71428	0.99876	0.99944	0.99972	0.99876	0.99873	0.99936
18	77	25.68215	9.76277	0.99866	0.99952	0.99976	0.99866	0.99875	0.99937	21.97831	9.29502	0.99876	0.99949	0.99974	0.99876	0.99879	0.99939
18	78	25.68215	9.30064	0.99866	0.99957	0.99978	0.99866	0.99881	0.99940	21.97831	8.87492	0.99876	0.99953	0.99977	0.99876	0.99884	0.99942
18	79	25.68215	8.84103	0.99866	0.99961	0.99980	0.99866	0.99886	0.99943	21.97831	8.45509	0.99876	0.99957	0.99979	0.99876	0.99889	0.99945
18	80	25.68215	8.38551	0.99866	0.99965	0.99982	0.99866	0.99892	0.99946	21.97831	8.03703	0.99876	0.99961	0.99981	0.99876	0.99895	0.99947
18	81	25.68215	7.93532	0.99866	0.99968	0.99984	0.99866	0.99897	0.99948	21.97831	7.62196	0.99876	0.99965	0.99983	0.99876	0.99899	0.99950
18	82	25.68215	7.49211	0.99866	0.99971	0.99986	0.99866	0.99902	0.99951	21.97831	7.21152	0.99876	0.99969	0.99984	0.99876	0.99904	0.99952

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POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
18	83	25.68215	7.05756	0.99866	0.99974	0.99987	0.99866	0.99907	0.99953	21.97831	6.80735	0.99876	0.99972	0.99986	0.99876	0.99909	0.99954
18	84	25.68215	6.63342	0.99866	0.99977	0.99989	0.99866	0.99911	0.99956	21.97831	6.41122	0.99876	0.99975	0.99987	0.99876	0.99913	0.99957
18	85	25.68215	6.22156	0.99866	0.99980	0.99990	0.99866	0.99916	0.99958	21.97831	6.02503	0.99876	0.99977	0.99989	0.99876	0.99917	0.99959
18	86	25.68215	5.82374	0.99866	0.99982	0.99991	0.99866	0.99920	0.99960	21.97831	5.65055	0.99876	0.99980	0.99990	0.99876	0.99922	0.99961
18	87	25.68215	5.44155	0.99866	0.99984	0.99992	0.99866	0.99924	0.99962	21.97831	5.28949	0.99876	0.99982	0.99991	0.99876	0.99926	0.99963
18	88	25.68215	5.07613	0.99866	0.99986	0.99993	0.99866	0.99928	0.99964	21.97831	4.94306	0.99876	0.99984	0.99992	0.99876	0.99929	0.99965
18	89	25.68215	4.72862	0.99866	0.99987	0.99994	0.99866	0.99932	0.99966	21.97831	4.61250	0.99876	0.99986	0.99993	0.99876	0.99933	0.99966
18	90	25.68215	4.40007	0.99866	0.99989	0.99994	0.99866	0.99935	0.99968	21.97831	4.29901	0.99876	0.99988	0.99994	0.99876	0.99936	0.99968
18	91	25.68215	4.09149	0.99866	0.99990	0.99995	0.99866	0.99939	0.99969	21.97831	4.00370	0.99876	0.99989	0.99995	0.99876	0.99940	0.99970
18	92	25.68215	3.80354	0.99866	0.99991	0.99996	0.99866	0.99942	0.99971	21.97831	3.72738	0.99876	0.99990	0.99995	0.99876	0.99943	0.99971
18	93	25.68215	3.53621	0.99866	0.99992	0.99996	0.99866	0.99945	0.99973	21.97831	3.47020	0.99876	0.99991	0.99996	0.99876	0.99946	0.99973
18	94	25.68215	3.28870	0.99866	0.99993	0.99997	0.99866	0.99948	0.99974	21.97831	3.23152	0.99876	0.99992	0.99996	0.99876	0.99949	0.99974
18	95	25.68215	3.05955	0.99866	0.99994	0.99997	0.99866	0.99951	0.99975	21.97831	3.01004	0.99876	0.99993	0.99997	0.99876	0.99952	0.99976
18	96	25.68215	2.84646	0.99866	0.99995	0.99997	0.99866	0.99954	0.99977	21.97831	2.80360	0.99876	0.99994	0.99997	0.99876	0.99954	0.99977
18	97	25.68215	2.65226	0.99866	0.99995	0.99998	0.99866	0.99956	0.99978	21.97831	2.61510	0.99876	0.99995	0.99997	0.99876	0.99957	0.99978
18	98	25.68215	2.47567	0.99866	0.99996	0.99998	0.99866	0.99959	0.99979	21.97831	2.44340	0.99876	0.99995	0.99998	0.99876	0.99959	0.99980
18	99	25.68215	2.31535	0.99866	0.99996	0.99998	0.99866	0.99961	0.99980	21.97831	2.28724	0.99876	0.99996	0.99998	0.99876	0.99961	0.99981
18	100	25.68215	2.16976	0.99866	0.99997	0.99998	0.99866	0.99963	0.99981	21.97831	2.14523	0.99876	0.99996	0.99998	0.99876	0.99963	0.99982
18	101	25.68215	2.03734	0.99866	0.99997	0.99999	0.99866	0.99965	0.99982	21.97831	2.01587	0.99876	0.99997	0.99998	0.99876	0.99965	0.99983
18	102	25.68215	1.91714	0.99866	0.99998	0.99999	0.99866	0.99967	0.99983	21.97831	1.89830	0.99876	0.99997	0.99999	0.99876	0.99967	0.99984
18	103	25.68215	1.80800	0.99866	0.99998	0.99999	0.99866	0.99968	0.99984	21.97831	1.79140	0.99876	0.99997	0.99999	0.99876	0.99969	0.99984
18	104	25.68215	1.70943	0.99866	0.99998	0.99999	0.99866	0.99970	0.99985	21.97831	1.69474	0.99876	0.99998	0.99999	0.99876	0.99970	0.99985
18	105	25.68215	1.62048	0.99866	0.99998	0.99999	0.99866	0.99972	0.99986	21.97831	1.60741	0.99876	0.99998	0.99999	0.99876	0.99972	0.99986
18	106	25.68215	1.54080	0.99866	0.99998	0.99999	0.99866	0.99973	0.99986	21.97831	1.52911	0.99876	0.99998	0.99999	0.99876	0.99973	0.99987
18	107	25.68215	1.47009	0.99866	0.99999	0.99999	0.99866	0.99974	0.99987	21.97831	1.45954	0.99876	0.99998	0.99999	0.99876	0.99974	0.99987
18	108	25.68215	1.40861	0.99866	0.99999	0.99999	0.99866	0.99975	0.99988	21.97831	1.39898	0.99876	0.99998	0.99999	0.99876	0.99975	0.99988
18	109	25.68215	1.35764	0.99866	0.99999	0.99999	0.99866	0.99976	0.99988	21.97831	1.34871	0.99876	0.99999	0.99999	0.99876	0.99976	0.99988
18	110	25.68215	1.32125	0.99866	0.99999	0.99999	0.99866	0.99976	0.99988	21.97831	1.31279	0.99876	0.99999	0.99999	0.99876	0.99977	0.99988
19	1	25.59493	26.72925	0.99867	0.95201	0.97542	0.99867	0.95173	0.97527	21.92571	22.57586	0.99877	0.96665	0.98304	0.99877	0.96650	0.98296
19	2	25.59493	26.68154	0.99867	0.95334	0.97611	0.99867	0.95305	0.97596	21.92571	22.55058	0.99877	0.96747	0.98346	0.99877	0.96730	0.98338
19	3	25.59493	26.63112	0.99867	0.95470	0.97682	0.99867	0.95439	0.97666	21.92571	22.52338	0.99877	0.96830	0.98389	0.99877	0.96813	0.98381
19	4	25.59493	26.57806	0.99867	0.95608	0.97755	0.99867	0.95576	0.97738	21.92571	22.49433	0.99877	0.96915	0.98434	0.99877	0.96898	0.98424
19	5	25.59493	26.52283	0.99867	0.95748	0.97828	0.99867	0.95715	0.97810	21.92571	22.46379	0.99877	0.97003	0.98479	0.99877	0.96984	0.98469
19	6	25.59493	26.46539	0.99867	0.95891	0.97902	0.99867	0.95855	0.97884	21.92571	22.43176	0.99877	0.97092	0.98524	0.99877	0.97072	0.98514
19	7	25.59493	26.40551	0.99867	0.96034	0.97977	0.99867	0.95997	0.97958	21.92571	22.39806	0.99877	0.97182	0.98571	0.99877	0.97161	0.98560
19	8	25.59493	26.34335	0.99867	0.96179	0.98053	0.99867	0.96141	0.98032	21.92571	22.36278	0.99877	0.97273	0.98618	0.99877	0.97252	0.98607
19	9	25.59493	26.27867	0.99867	0.96325	0.98128	0.99867	0.96284	0.98107	21.92571	22.32575	0.99877	0.97366	0.98665	0.99877	0.97343	0.98654
19	10	25.59493	26.21121	0.99867	0.96472	0.98204	0.99867	0.96429	0.98182	21.92571	22.28674	0.99877	0.97459	0.98713	0.99877	0.97435	0.98701
19	11	25.59493	26.14141	0.99867	0.96618	0.98280	0.99867	0.96573	0.98256	21.92571	22.24611	0.99877	0.97552	0.98761	0.99877	0.97527	0.98748
19	12	25.59493	26.06892	0.99867	0.96763	0.98355	0.99867	0.96716	0.98331	21.92571	22.20360	0.99877	0.97646	0.98809	0.99877	0.97619	0.98795
19	13	25.59493	25.99388	0.99867	0.96908	0.98430	0.99867	0.96858	0.98404	21.92571	22.15929	0.99877	0.97739	0.98857	0.99877	0.97711	0.98842

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
19	14	25.59493	25.91617	0.99867	0.97051	0.98503	0.99867	0.96999	0.98476	21.92571	22.11310	0.99877	0.97832	0.98904	0.99877	0.97803	0.98889			
19	15	25.59493	25.83587	0.99867	0.97191	0.98576	0.99867	0.97137	0.98548	21.92571	22.06509	0.99877	0.97924	0.98951	0.99877	0.97893	0.98935			
19	16	25.59493	25.75319	0.99867	0.97330	0.98647	0.99867	0.97273	0.98618	21.92571	22.01544	0.99877	0.98015	0.98997	0.99877	0.97983	0.98981			
19	17	25.59493	25.66857	0.99867	0.97465	0.98716	0.99867	0.97406	0.98686	21.92571	21.96453	0.99877	0.98104	0.99043	0.99877	0.98070	0.99026			
19	18	25.59493	25.58235	0.99867	0.97596	0.98783	0.99867	0.97536	0.98752	21.92571	21.91267	0.99877	0.98191	0.99087	0.99877	0.98156	0.99070			
19	19	25.59493	25.49361	0.99867	0.97723	0.98849	0.99867	0.97661	0.98817	21.92571	21.85907	0.99877	0.98276	0.99130	0.99877	0.98240	0.99112			
19	20	25.59493	25.40164	0.99867	0.97847	0.98912	0.99867	0.97783	0.98879	21.92571	21.80312	0.99877	0.98359	0.99173	0.99877	0.98322	0.99154			
19	21	25.59493	25.30562	0.99867	0.97966	0.98972	0.99867	0.97900	0.98939	21.92571	21.74411	0.99877	0.98439	0.99213	0.99877	0.98401	0.99194			
19	22	25.59493	25.20517	0.99867	0.98080	0.99031	0.99867	0.98012	0.98996	21.92571	21.68171	0.99877	0.98517	0.99253	0.99877	0.98477	0.99233			
19	23	25.59493	25.09967	0.99867	0.98190	0.99087	0.99867	0.98120	0.99051	21.92571	21.61537	0.99877	0.98592	0.99291	0.99877	0.98551	0.99270			
19	24	25.59493	24.98936	0.99867	0.98294	0.99140	0.99867	0.98223	0.99103	21.92571	21.54528	0.99877	0.98664	0.99327	0.99877	0.98622	0.99306			
19	25	25.59493	24.87419	0.99867	0.98394	0.99190	0.99867	0.98320	0.99153	21.92571	21.47137	0.99877	0.98733	0.99362	0.99877	0.98689	0.99340			
19	26	25.59493	24.75420	0.99867	0.98489	0.99238	0.99867	0.98413	0.99200	21.92571	21.39367	0.99877	0.98798	0.99396	0.99877	0.98754	0.99373			
19	27	25.59493	24.62994	0.99867	0.98578	0.99284	0.99867	0.98501	0.99245	21.92571	21.31262	0.99877	0.98861	0.99427	0.99877	0.98815	0.99404			
19	28	25.59493	24.50119	0.99867	0.98663	0.99327	0.99867	0.98584	0.99287	21.92571	21.22804	0.99877	0.98921	0.99458	0.99877	0.98874	0.99434			
19	29	25.59493	24.36788	0.99867	0.98742	0.99367	0.99867	0.98662	0.99327	21.92571	21.13984	0.99877	0.98978	0.99486	0.99877	0.98929	0.99462			
19	30	25.59493	24.23009	0.99867	0.98817	0.99405	0.99867	0.98736	0.99364	21.92571	21.04806	0.99877	0.99032	0.99514	0.99877	0.98982	0.99488			
19	31	25.59493	24.08752	0.99867	0.98888	0.99441	0.99867	0.98805	0.99399	21.92571	20.95246	0.99877	0.99083	0.99539	0.99877	0.99031	0.99513			
19	32	25.59493	23.94006	0.99867	0.98954	0.99474	0.99867	0.98870	0.99432	21.92571	20.85289	0.99877	0.99131	0.99564	0.99877	0.99078	0.99537			
19	33	25.59493	23.78740	0.99867	0.99017	0.99506	0.99867	0.98931	0.99463	21.92571	20.74907	0.99877	0.99177	0.99587	0.99877	0.99123	0.99560			
19	34	25.59493	23.62942	0.99867	0.99075	0.99535	0.99867	0.98989	0.99492	21.92571	20.64088	0.99877	0.99220	0.99609	0.99877	0.99165	0.99581			
19	35	25.59493	23.46579	0.99867	0.99130	0.99563	0.99867	0.99043	0.99519	21.92571	20.52800	0.99877	0.99261	0.99629	0.99877	0.99205	0.99601			
19	36	25.59493	23.29632	0.99867	0.99182	0.99589	0.99867	0.99093	0.99545	21.92571	20.41023	0.99877	0.99300	0.99649	0.99877	0.99243	0.99620			
19	37	25.59493	23.12089	0.99867	0.99230	0.99613	0.99867	0.99141	0.99569	21.92571	20.28745	0.99877	0.99337	0.99667	0.99877	0.99278	0.99638			
19	38	25.59493	22.93911	0.99867	0.99275	0.99636	0.99867	0.99186	0.99591	21.92571	20.15926	0.99877	0.99371	0.99685	0.99877	0.99312	0.99655			
19	39	25.59493	22.75087	0.99867	0.99318	0.99658	0.99867	0.99228	0.99612	21.92571	20.02555	0.99877	0.99404	0.99701	0.99877	0.99344	0.99671			
19	40	25.59493	22.55572	0.99867	0.99358	0.99678	0.99867	0.99267	0.99632	21.92571	19.88587	0.99877	0.99436	0.99717	0.99877	0.99374	0.99686			
19	41	25.59493	22.35340	0.99867	0.99396	0.99697	0.99867	0.99304	0.99651	21.92571	19.73995	0.99877	0.99465	0.99732	0.99877	0.99403	0.99701			
19	42	25.59493	22.14385	0.99867	0.99432	0.99715	0.99867	0.99340	0.99669	21.92571	19.58769	0.99877	0.99493	0.99746	0.99877	0.99430	0.99714			
19	43	25.59493	21.92669	0.99867	0.99465	0.99732	0.99867	0.99373	0.99685	21.92571	19.42870	0.99877	0.99520	0.99759	0.99877	0.99456	0.99727			
19	44	25.59493	21.70178	0.99867	0.99497	0.99748	0.99867	0.99404	0.99701	21.92571	19.26280	0.99877	0.99546	0.99772	0.99877	0.99480	0.99739			
19	45	25.59493	21.46876	0.99867	0.99527	0.99763	0.99867	0.99433	0.99716	21.92571	19.08963	0.99877	0.99570	0.99784	0.99877	0.99504	0.99751			
19	46	25.59493	21.22763	0.99867	0.99555	0.99777	0.99867	0.99461	0.99730	21.92571	18.90911	0.99877	0.99593	0.99796	0.99877	0.99526	0.99762			
19	47	25.59493	20.97813	0.99867	0.99582	0.99790	0.99867	0.99488	0.99743	21.92571	18.72094	0.99877	0.99615	0.99807	0.99877	0.99547	0.99773			
19	48	25.59493	20.72003	0.99867	0.99607	0.99803	0.99867	0.99513	0.99756	21.92571	18.52488	0.99877	0.99635	0.99817	0.99877	0.99567	0.99783			
19	49	25.59493	20.45326	0.99867	0.99631	0.99815	0.99867	0.99536	0.99768	21.92571	18.32076	0.99877	0.99655	0.99827	0.99877	0.99586	0.99793			
19	50	25.59493	20.17742	0.99867	0.99653	0.99826	0.99867	0.99558	0.99779	21.92571	18.10816	0.99877	0.99674	0.99837	0.99877	0.99604	0.99802			
19	51	25.59493	19.89339	0.99867	0.99674	0.99837	0.99867	0.99579	0.99789	21.92571	17.88781	0.99877	0.99692	0.99846	0.99877	0.99622	0.99810			
19	52	25.59493	19.60122	0.99867	0.99694	0.99847	0.99867	0.99599	0.99799	21.92571	17.65967	0.99877	0.99709	0.99854	0.99877	0.99638	0.99819			
19	53	25.59493	19.30125	0.99867	0.99713	0.99856	0.99867	0.99618	0.99809	21.92571	17.42398	0.99877	0.99726	0.99863	0.99877	0.99654	0.99827			
19	54	25.59493	18.99375	0.99867	0.99731	0.99865	0.99867	0.99636	0.99818	21.92571	17.18091	0.99877	0.99741	0.99870	0.99877	0.99669	0.99834			

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
19	55	25.59493	18.67912	0.99867	0.99747	0.99874	0.99867	0.99653	0.99826	21.92571	16.93076	0.99877	0.99756	0.99878	0.99877	0.99683	0.99841
19	56	25.59493	18.35803	0.99867	0.99763	0.99881	0.99867	0.99669	0.99834	21.92571	16.67407	0.99877	0.99770	0.99885	0.99877	0.99696	0.99848
19	57	25.59493	18.02853	0.99867	0.99778	0.99889	0.99867	0.99684	0.99842	21.92571	16.40902	0.99877	0.99783	0.99891	0.99877	0.99709	0.99854
19	58	25.59493	17.69065	0.99867	0.99792	0.99896	0.99867	0.99699	0.99849	21.92571	16.13552	0.99877	0.99795	0.99898	0.99877	0.99721	0.99860
19	59	25.59493	17.34441	0.99867	0.99805	0.99903	0.99867	0.99712	0.99856	21.92571	15.85354	0.99877	0.99807	0.99904	0.99877	0.99733	0.99866
19	60	25.59493	16.98967	0.99867	0.99818	0.99909	0.99867	0.99725	0.99862	21.92571	15.56284	0.99877	0.99819	0.99909	0.99877	0.99744	0.99872
19	61	25.59493	16.62627	0.99867	0.99830	0.99915	0.99867	0.99737	0.99868	21.92571	15.26320	0.99877	0.99830	0.99915	0.99877	0.99755	0.99877
19	62	25.59493	16.25423	0.99867	0.99841	0.99920	0.99867	0.99749	0.99874	21.92571	14.95454	0.99877	0.99840	0.99920	0.99877	0.99765	0.99882
19	63	25.59493	15.87341	0.99867	0.99851	0.99926	0.99867	0.99760	0.99880	21.92571	14.63664	0.99877	0.99850	0.99925	0.99877	0.99775	0.99887
19	64	25.59493	15.48353	0.99867	0.99861	0.99931	0.99867	0.99770	0.99885	21.92571	14.30913	0.99877	0.99859	0.99930	0.99877	0.99784	0.99892
19	65	25.59493	15.08480	0.99867	0.99871	0.99935	0.99867	0.99781	0.99890	21.92571	13.97213	0.99877	0.99868	0.99934	0.99877	0.99793	0.99896
19	66	25.59493	14.67724	0.99867	0.99880	0.99940	0.99867	0.99790	0.99895	21.92571	13.62552	0.99877	0.99877	0.99938	0.99877	0.99802	0.99901
19	67	25.59493	14.26104	0.99867	0.99888	0.99944	0.99867	0.99800	0.99900	21.92571	13.26940	0.99877	0.99885	0.99943	0.99877	0.99810	0.99905
19	68	25.59493	13.83657	0.99867	0.99897	0.99948	0.99867	0.99809	0.99904	21.92571	12.90401	0.99877	0.99893	0.99946	0.99877	0.99818	0.99909
19	69	25.59493	13.40435	0.99867	0.99904	0.99952	0.99867	0.99817	0.99908	21.92571	12.52973	0.99877	0.99901	0.99950	0.99877	0.99826	0.99913
19	70	25.59493	12.96501	0.99867	0.99912	0.99956	0.99867	0.99825	0.99913	21.92571	12.14706	0.99877	0.99908	0.99954	0.99877	0.99833	0.99917
19	71	25.59493	12.51927	0.99867	0.99919	0.99959	0.99867	0.99833	0.99917	21.92571	11.75658	0.99877	0.99915	0.99957	0.99877	0.99841	0.99920
19	72	25.59493	12.06792	0.99867	0.99925	0.99963	0.99867	0.99841	0.99921	21.92571	11.35893	0.99877	0.99921	0.99961	0.99877	0.99848	0.99924
19	73	25.59493	11.61185	0.99867	0.99931	0.99966	0.99867	0.99849	0.99924	21.92571	10.95491	0.99877	0.99927	0.99964	0.99877	0.99855	0.99927
19	74	25.59493	11.15217	0.99867	0.99937	0.99969	0.99867	0.99856	0.99928	21.92571	10.54549	0.99877	0.99933	0.99967	0.99877	0.99861	0.99931
19	75	25.59493	10.68986	0.99867	0.99943	0.99971	0.99867	0.99863	0.99931	21.92571	10.13154	0.99877	0.99939	0.99969	0.99877	0.99868	0.99934
19	76	25.59493	10.22626	0.99867	0.99948	0.99974	0.99867	0.99869	0.99935	21.92571	9.71428	0.99877	0.99944	0.99972	0.99877	0.99874	0.99937
19	77	25.59493	9.76277	0.99867	0.99953	0.99976	0.99867	0.99876	0.99938	21.92571	9.29502	0.99877	0.99949	0.99975	0.99877	0.99880	0.99940
19	78	25.59493	9.30064	0.99867	0.99957	0.99979	0.99867	0.99882	0.99941	21.92571	8.87492	0.99877	0.99954	0.99977	0.99877	0.99886	0.99943
19	79	25.59493	8.84103	0.99867	0.99961	0.99981	0.99867	0.99888	0.99944	21.92571	8.45509	0.99877	0.99958	0.99979	0.99877	0.99891	0.99945
19	80	25.59493	8.38551	0.99867	0.99965	0.99983	0.99867	0.99893	0.99947	21.92571	8.03703	0.99877	0.99962	0.99981	0.99877	0.99896	0.99948
19	81	25.59493	7.93532	0.99867	0.99969	0.99984	0.99867	0.99899	0.99949	21.92571	7.62196	0.99877	0.99966	0.99983	0.99877	0.99901	0.99951
19	82	25.59493	7.49211	0.99867	0.99972	0.99986	0.99867	0.99904	0.99952	21.92571	7.21152	0.99877	0.99969	0.99985	0.99877	0.99906	0.99953
19	83	25.59493	7.05756	0.99867	0.99975	0.99987	0.99867	0.99909	0.99954	21.92571	6.80735	0.99877	0.99972	0.99986	0.99877	0.99911	0.99956
19	84	25.59493	6.63342	0.99867	0.99978	0.99989	0.99867	0.99914	0.99957	21.92571	6.41122	0.99877	0.99975	0.99988	0.99877	0.99916	0.99958
19	85	25.59493	6.22156	0.99867	0.99980	0.99990	0.99867	0.99918	0.99959	21.92571	6.02503	0.99877	0.99978	0.99989	0.99877	0.99920	0.99960
19	86	25.59493	5.82374	0.99867	0.99982	0.99991	0.99867	0.99922	0.99961	21.92571	5.65055	0.99877	0.99980	0.99990	0.99877	0.99924	0.99962
19	87	25.59493	5.44155	0.99867	0.99984	0.99992	0.99867	0.99927	0.99963	21.92571	5.28949	0.99877	0.99983	0.99991	0.99877	0.99928	0.99964
19	88	25.59493	5.07613	0.99867	0.99986	0.99993	0.99867	0.99930	0.99965	21.92571	4.94306	0.99877	0.99985	0.99992	0.99877	0.99932	0.99966
19	89	25.59493	4.72862	0.99867	0.99988	0.99994	0.99867	0.99934	0.99967	21.92571	4.61250	0.99877	0.99986	0.99993	0.99877	0.99935	0.99968
19	90	25.59493	4.40007	0.99867	0.99989	0.99995	0.99867	0.99938	0.99969	21.92571	4.29901	0.99877	0.99988	0.99994	0.99877	0.99939	0.99969
19	91	25.59493	4.09149	0.99867	0.99991	0.99995	0.99867	0.99941	0.99970	21.92571	4.00370	0.99877	0.99989	0.99995	0.99877	0.99942	0.99971
19	92	25.59493	3.80354	0.99867	0.99992	0.99996	0.99867	0.99944	0.99972	21.92571	3.72738	0.99877	0.99991	0.99995	0.99877	0.99945	0.99972
19	93	25.59493	3.53621	0.99867	0.99993	0.99996	0.99867	0.99947	0.99974	21.92571	3.47020	0.99877	0.99992	0.99996	0.99877	0.99948	0.99974
19	94	25.59493	3.28870	0.99867	0.99994	0.99997	0.99867	0.99950	0.99975	21.92571	3.23152	0.99877	0.99993	0.99996	0.99877	0.99951	0.99975
19	95	25.59493	3.05955	0.99867	0.99994	0.99997	0.99867	0.99953	0.99976	21.92571	3.01004	0.99877	0.99994	0.99997	0.99877	0.99953	0.99977

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
19	96	25.59493	2.84646	0.99867	0.99995	0.99998	0.99867	0.99955	0.99978	21.92571	2.80360	0.99877	0.99994	0.99997	0.99877	0.99956	0.99978
19	97	25.59493	2.65226	0.99867	0.99996	0.99998	0.99867	0.99958	0.99979	21.92571	2.61510	0.99877	0.99995	0.99998	0.99877	0.99958	0.99979
19	98	25.59493	2.47567	0.99867	0.99996	0.99998	0.99867	0.99960	0.99980	21.92571	2.44340	0.99877	0.99996	0.99998	0.99877	0.99960	0.99980
19	99	25.59493	2.31535	0.99867	0.99997	0.99998	0.99867	0.99962	0.99981	21.92571	2.28724	0.99877	0.99996	0.99998	0.99877	0.99962	0.99981
19	100	25.59493	2.16976	0.99867	0.99997	0.99998	0.99867	0.99964	0.99982	21.92571	2.14523	0.99877	0.99997	0.99998	0.99877	0.99964	0.99982
19	101	25.59493	2.03734	0.99867	0.99997	0.99999	0.99867	0.99966	0.99983	21.92571	2.01587	0.99877	0.99997	0.99998	0.99877	0.99966	0.99983
19	102	25.59493	1.91714	0.99867	0.99998	0.99999	0.99867	0.99968	0.99984	21.92571	1.89830	0.99877	0.99997	0.99999	0.99877	0.99968	0.99984
19	103	25.59493	1.80800	0.99867	0.99998	0.99999	0.99867	0.99969	0.99985	21.92571	1.79140	0.99877	0.99998	0.99999	0.99877	0.99970	0.99985
19	104	25.59493	1.70943	0.99867	0.99998	0.99999	0.99867	0.99971	0.99985	21.92571	1.69474	0.99877	0.99998	0.99999	0.99877	0.99971	0.99986
19	105	25.59493	1.62048	0.99867	0.99998	0.99999	0.99867	0.99972	0.99986	21.92571	1.60741	0.99877	0.99998	0.99999	0.99877	0.99972	0.99986
19	106	25.59493	1.54080	0.99867	0.99998	0.99999	0.99867	0.99973	0.99987	21.92571	1.52911	0.99877	0.99998	0.99999	0.99877	0.99974	0.99987
19	107	25.59493	1.47009	0.99867	0.99999	0.99999	0.99867	0.99975	0.99987	21.92571	1.45954	0.99877	0.99998	0.99999	0.99877	0.99975	0.99987
19	108	25.59493	1.40861	0.99867	0.99999	0.99999	0.99867	0.99976	0.99988	21.92571	1.39898	0.99877	0.99998	0.99999	0.99877	0.99976	0.99988
19	109	25.59493	1.35764	0.99867	0.99999	0.99999	0.99867	0.99976	0.99988	21.92571	1.34871	0.99877	0.99999	0.99999	0.99877	0.99976	0.99988
19	110	25.59493	1.32125	0.99867	0.99999	0.99999	0.99867	0.99977	0.99988	21.92571	1.31279	0.99877	0.99999	0.99999	0.99877	0.99977	0.99988
20	1	25.50427	26.72925	0.99868	0.94888	0.97377	0.99868	0.94860	0.97362	21.87060	22.57586	0.99878	0.96439	0.98187	0.99878	0.96423	0.98179
20	2	25.50427	26.68154	0.99868	0.95024	0.97448	0.99868	0.94994	0.97433	21.87060	22.55058	0.99878	0.96522	0.98230	0.99878	0.96505	0.98222
20	3	25.50427	26.63112	0.99868	0.95162	0.97521	0.99868	0.95131	0.97505	21.87060	22.52338	0.99878	0.96607	0.98274	0.99878	0.96590	0.98265
20	4	25.50427	26.57806	0.99868	0.95303	0.97595	0.99868	0.95270	0.97578	21.87060	22.49433	0.99878	0.96695	0.98319	0.99878	0.96676	0.98310
20	5	25.50427	26.52283	0.99868	0.95446	0.97670	0.99868	0.95412	0.97652	21.87060	22.46379	0.99878	0.96784	0.98366	0.99878	0.96765	0.98356
20	6	25.50427	26.46539	0.99868	0.95592	0.97746	0.99868	0.95556	0.97728	21.87060	22.43176	0.99878	0.96875	0.98413	0.99878	0.96855	0.98402
20	7	25.50427	26.40551	0.99868	0.95740	0.97824	0.99868	0.95702	0.97804	21.87060	22.39806	0.99878	0.96968	0.98461	0.99878	0.96947	0.98450
20	8	25.50427	26.34335	0.99868	0.95890	0.97902	0.99868	0.95850	0.97881	21.87060	22.36278	0.99878	0.97063	0.98509	0.99878	0.97040	0.98498
20	9	25.50427	26.27867	0.99868	0.96040	0.97980	0.99868	0.95999	0.97958	21.87060	22.32575	0.99878	0.97159	0.98559	0.99878	0.97135	0.98547
20	10	25.50427	26.21121	0.99868	0.96192	0.98059	0.99868	0.96148	0.98036	21.87060	22.28674	0.99878	0.97255	0.98609	0.99878	0.97231	0.98596
20	11	25.50427	26.14141	0.99868	0.96344	0.98138	0.99868	0.96298	0.98114	21.87060	22.24611	0.99878	0.97353	0.98659	0.99878	0.97327	0.98645
20	12	25.50427	26.06892	0.99868	0.96496	0.98217	0.99868	0.96447	0.98191	21.87060	22.20360	0.99878	0.97451	0.98709	0.99878	0.97423	0.98695
20	13	25.50427	25.99388	0.99868	0.96647	0.98295	0.99868	0.96596	0.98269	21.87060	22.15929	0.99878	0.97549	0.98759	0.99878	0.97520	0.98744
20	14	25.50427	25.91617	0.99868	0.96797	0.98373	0.99868	0.96744	0.98345	21.87060	22.11310	0.99878	0.97647	0.98809	0.99878	0.97616	0.98794
20	15	25.50427	25.83587	0.99868	0.96946	0.98449	0.99868	0.96890	0.98420	21.87060	22.06509	0.99878	0.97744	0.98859	0.99878	0.97712	0.98843
20	16	25.50427	25.75319	0.99868	0.97092	0.98525	0.99868	0.97034	0.98495	21.87060	22.01544	0.99878	0.97840	0.98908	0.99878	0.97807	0.98891
20	17	25.50427	25.66857	0.99868	0.97236	0.98598	0.99868	0.97175	0.98567	21.87060	21.96453	0.99878	0.97935	0.98957	0.99878	0.97900	0.98939
20	18	25.50427	25.58235	0.99868	0.97376	0.98670	0.99868	0.97313	0.98638	21.87060	21.91267	0.99878	0.98028	0.99004	0.99878	0.97992	0.98986
20	19	25.50427	25.49361	0.99868	0.97513	0.98741	0.99868	0.97448	0.98708	21.87060	21.85907	0.99878	0.98120	0.99051	0.99878	0.98082	0.99032
20	20	25.50427	25.40164	0.99868	0.97645	0.98809	0.99868	0.97579	0.98775	21.87060	21.80312	0.99878	0.98209	0.99096	0.99878	0.98170	0.99077
20	21	25.50427	25.30562	0.99868	0.97774	0.98874	0.99868	0.97705	0.98839	21.87060	21.74411	0.99878	0.98296	0.99140	0.99878	0.98256	0.99120
20	22	25.50427	25.20517	0.99868	0.97898	0.98938	0.99868	0.97827	0.98902	21.87060	21.68171	0.99878	0.98380	0.99183	0.99878	0.98339	0.99162
20	23	25.50427	25.09967	0.99868	0.98017	0.98998	0.99868	0.97944	0.98961	21.87060	21.61537	0.99878	0.98461	0.99225	0.99878	0.98419	0.99203
20	24	25.50427	24.98936	0.99868	0.98131	0.99057	0.99868	0.98056	0.99018	21.87060	21.54528	0.99878	0.98540	0.99265	0.99878	0.98496	0.99242
20	25	25.50427	24.87419	0.99868	0.98240	0.99112	0.99868	0.98163	0.99073	21.87060	21.47137	0.99878	0.98615	0.99303	0.99878	0.98570	0.99280
20	26	25.50427	24.75420	0.99868	0.98344	0.99165	0.99868	0.98265	0.99125	21.87060	21.39367	0.99878	0.98688	0.99340	0.99878	0.98641	0.99316

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
20	68	25.50427	13.83657	0.99868	0.99894	0.99947	0.99868	0.99805	0.99902	21.87060	12.90401	0.99878	0.99891	0.99946	0.99878	0.99815	0.99908
20	69	25.50427	13.40435	0.99868	0.99902	0.99951	0.99868	0.99814	0.99907	21.87060	12.52973	0.99878	0.99899	0.99949	0.99878	0.99824	0.99912
20	70	25.50427	12.96501	0.99868	0.99910	0.99955	0.99868	0.99823	0.99912	21.87060	12.14706	0.99878	0.99907	0.99953	0.99878	0.99832	0.99916
20	71	25.50427	12.51927	0.99868	0.99917	0.99959	0.99868	0.99832	0.99916	21.87060	11.75658	0.99878	0.99914	0.99957	0.99878	0.99839	0.99920
20	72	25.50427	12.06792	0.99868	0.99924	0.99962	0.99868	0.99840	0.99920	21.87060	11.35893	0.99878	0.99921	0.99960	0.99878	0.99847	0.99923
20	73	25.50427	11.61185	0.99868	0.99931	0.99965	0.99868	0.99848	0.99924	21.87060	10.95491	0.99878	0.99927	0.99964	0.99878	0.99854	0.99927
20	74	25.50427	11.15217	0.99868	0.99937	0.99968	0.99868	0.99855	0.99928	21.87060	10.54549	0.99878	0.99933	0.99967	0.99878	0.99861	0.99931
20	75	25.50427	10.68986	0.99868	0.99943	0.99971	0.99868	0.99863	0.99931	21.87060	10.13154	0.99878	0.99939	0.99969	0.99878	0.99868	0.99934
20	76	25.50427	10.22626	0.99868	0.99948	0.99974	0.99868	0.99870	0.99935	21.87060	9.71428	0.99878	0.99944	0.99972	0.99878	0.99875	0.99937
20	77	25.50427	9.76277	0.99868	0.99953	0.99976	0.99868	0.99877	0.99938	21.87060	9.29502	0.99878	0.99949	0.99975	0.99878	0.99881	0.99940
20	78	25.50427	9.30064	0.99868	0.99957	0.99979	0.99868	0.99883	0.99941	21.87060	8.87492	0.99878	0.99954	0.99977	0.99878	0.99887	0.99943
20	79	25.50427	8.84103	0.99868	0.99962	0.99981	0.99868	0.99889	0.99945	21.87060	8.45509	0.99878	0.99959	0.99979	0.99878	0.99893	0.99946
20	80	25.50427	8.38551	0.99868	0.99966	0.99983	0.99868	0.99895	0.99948	21.87060	8.03703	0.99878	0.99963	0.99981	0.99878	0.99898	0.99949
20	81	25.50427	7.93532	0.99868	0.99969	0.99985	0.99868	0.99901	0.99950	21.87060	7.62196	0.99878	0.99966	0.99983	0.99878	0.99904	0.99952
20	82	25.50427	7.49211	0.99868	0.99972	0.99986	0.99868	0.99906	0.99953	21.87060	7.21152	0.99878	0.99970	0.99985	0.99878	0.99909	0.99954
20	83	25.50427	7.05756	0.99868	0.99976	0.99988	0.99868	0.99911	0.99956	21.87060	6.80735	0.99878	0.99973	0.99987	0.99878	0.99914	0.99957
20	84	25.50427	6.63342	0.99868	0.99978	0.99989	0.99868	0.99916	0.99958	21.87060	6.41122	0.99878	0.99976	0.99988	0.99878	0.99918	0.99959
20	85	25.50427	6.22156	0.99868	0.99981	0.99990	0.99868	0.99921	0.99960	21.87060	6.02503	0.99878	0.99979	0.99989	0.99878	0.99923	0.99961
20	86	25.50427	5.82374	0.99868	0.99983	0.99991	0.99868	0.99925	0.99963	21.87060	5.65055	0.99878	0.99981	0.99991	0.99878	0.99927	0.99964
20	87	25.50427	5.44155	0.99868	0.99985	0.99992	0.99868	0.99930	0.99965	21.87060	5.28949	0.99878	0.99983	0.99992	0.99878	0.99931	0.99966
20	88	25.50427	5.07613	0.99868	0.99987	0.99993	0.99868	0.99934	0.99967	21.87060	4.94306	0.99878	0.99985	0.99993	0.99878	0.99935	0.99967
20	89	25.50427	4.72862	0.99868	0.99988	0.99994	0.99868	0.99937	0.99969	21.87060	4.61250	0.99878	0.99987	0.99994	0.99878	0.99938	0.99969
20	90	25.50427	4.40007	0.99868	0.99990	0.99995	0.99868	0.99941	0.99970	21.87060	4.29901	0.99878	0.99989	0.99994	0.99878	0.99942	0.99971
20	91	25.50427	4.09149	0.99868	0.99991	0.99996	0.99868	0.99944	0.99972	21.87060	4.00370	0.99878	0.99990	0.99995	0.99878	0.99945	0.99973
20	92	25.50427	3.80354	0.99868	0.99992	0.99996	0.99868	0.99947	0.99974	21.87060	3.72738	0.99878	0.99991	0.99996	0.99878	0.99948	0.99974
20	93	25.50427	3.53621	0.99868	0.99993	0.99997	0.99868	0.99950	0.99975	21.87060	3.47020	0.99878	0.99992	0.99996	0.99878	0.99951	0.99975
20	94	25.50427	3.28870	0.99868	0.99994	0.99997	0.99868	0.99953	0.99976	21.87060	3.23152	0.99878	0.99993	0.99997	0.99878	0.99954	0.99977
20	95	25.50427	3.05955	0.99868	0.99995	0.99997	0.99868	0.99955	0.99978	21.87060	3.01004	0.99878	0.99994	0.99997	0.99878	0.99956	0.99978
20	96	25.50427	2.84646	0.99868	0.99995	0.99998	0.99868	0.99958	0.99979	21.87060	2.80360	0.99878	0.99995	0.99997	0.99878	0.99958	0.99979
20	97	25.50427	2.65226	0.99868	0.99996	0.99998	0.99868	0.99960	0.99980	21.87060	2.61510	0.99878	0.99995	0.99998	0.99878	0.99961	0.99980
20	98	25.50427	2.47567	0.99868	0.99996	0.99998	0.99868	0.99962	0.99981	21.87060	2.44340	0.99878	0.99996	0.99998	0.99878	0.99963	0.99981
20	99	25.50427	2.31535	0.99868	0.99997	0.99998	0.99868	0.99964	0.99982	21.87060	2.28724	0.99878	0.99996	0.99998	0.99878	0.99965	0.99982
20	100	25.50427	2.16976	0.99868	0.99997	0.99999	0.99868	0.99966	0.99983	21.87060	2.14523	0.99878	0.99997	0.99998	0.99878	0.99967	0.99983
20	101	25.50427	2.03734	0.99868	0.99997	0.99999	0.99868	0.99968	0.99984	21.87060	2.01587	0.99878	0.99997	0.99999	0.99878	0.99968	0.99984
20	102	25.50427	1.91714	0.99868	0.99998	0.99999	0.99868	0.99970	0.99985	21.87060	1.89830	0.99878	0.99997	0.99999	0.99878	0.99970	0.99985
20	103	25.50427	1.80800	0.99868	0.99998	0.99999	0.99868	0.99971	0.99986	21.87060	1.79140	0.99878	0.99998	0.99999	0.99878	0.99971	0.99986
20	104	25.50427	1.70943	0.99868	0.99998	0.99999	0.99868	0.99972	0.99986	21.87060	1.69474	0.99878	0.99998	0.99999	0.99878	0.99973	0.99986
20	105	25.50427	1.62048	0.99868	0.99998	0.99999	0.99868	0.99974	0.99987	21.87060	1.60741	0.99878	0.99998	0.99999	0.99878	0.99974	0.99987
20	106	25.50427	1.54080	0.99868	0.99998	0.99999	0.99868	0.99975	0.99987	21.87060	1.52911	0.99878	0.99998	0.99999	0.99878	0.99975	0.99988
20	107	25.50427	1.47009	0.99868	0.99999	0.99999	0.99868	0.99976	0.99988	21.87060	1.45954	0.99878	0.99998	0.99999	0.99878	0.99976	0.99988
20	108	25.50427	1.40861	0.99868	0.99999	0.99999	0.99868	0.99977	0.99988	21.87060	1.39898	0.99878	0.99999	0.99999	0.99878	0.99977	0.99989

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
20	109	25.50427	1.35764	0.99868	0.99999	0.99999	0.99868	0.99978	0.99989	21.87060	1.34871	0.99878	0.99999	0.99999	0.99878	0.99978	0.99989
20	110	25.50427	1.32125	0.99868	0.99999	0.99999	0.99868	0.99978	0.99989	21.87060	1.31279	0.99878	0.99999	0.99999	0.99878	0.99978	0.99989
21	1	25.40994	26.72925	0.99867	0.94561	0.97204	0.99867	0.94532	0.97189	21.81274	22.57586	0.99879	0.96200	0.98063	0.99879	0.96183	0.98054
21	2	25.40994	26.68154	0.99867	0.94698	0.97277	0.99867	0.94668	0.97261	21.81274	22.55058	0.99879	0.96284	0.98107	0.99879	0.96267	0.98098
21	3	25.40994	26.63112	0.99867	0.94838	0.97351	0.99867	0.94807	0.97334	21.81274	22.52338	0.99879	0.96371	0.98152	0.99879	0.96353	0.98143
21	4	25.40994	26.57806	0.99867	0.94982	0.97426	0.99867	0.94949	0.97409	21.81274	22.49433	0.99879	0.96460	0.98198	0.99879	0.96441	0.98188
21	5	25.40994	26.52283	0.99867	0.95128	0.97503	0.99867	0.95094	0.97485	21.81274	22.46379	0.99879	0.96552	0.98246	0.99879	0.96532	0.98235
21	6	25.40994	26.46539	0.99867	0.95277	0.97582	0.99867	0.95241	0.97562	21.81274	22.43176	0.99879	0.96645	0.98294	0.99879	0.96625	0.98283
21	7	25.40994	26.40551	0.99867	0.95429	0.97661	0.99867	0.95391	0.97641	21.81274	22.39806	0.99879	0.96741	0.98343	0.99879	0.96719	0.98332
21	8	25.40994	26.34335	0.99867	0.95583	0.97741	0.99867	0.95542	0.97720	21.81274	22.36278	0.99879	0.96838	0.98394	0.99879	0.96815	0.98382
21	9	25.40994	26.27867	0.99867	0.95738	0.97823	0.99867	0.95695	0.97800	21.81274	22.32575	0.99879	0.96937	0.98445	0.99879	0.96913	0.98432
21	10	25.40994	26.21121	0.99867	0.95895	0.97904	0.99867	0.95850	0.97881	21.81274	22.28674	0.99879	0.97038	0.98496	0.99879	0.97012	0.98483
21	11	25.40994	26.14141	0.99867	0.96052	0.97986	0.99867	0.96005	0.97962	21.81274	22.24611	0.99879	0.97139	0.98549	0.99879	0.97112	0.98535
21	12	25.40994	26.06892	0.99867	0.96210	0.98068	0.99867	0.96160	0.98043	21.81274	22.20360	0.99879	0.97241	0.98601	0.99879	0.97213	0.98587
21	13	25.40994	25.99388	0.99867	0.96368	0.98150	0.99867	0.96316	0.98123	21.81274	22.15929	0.99879	0.97344	0.98654	0.99879	0.97314	0.98639
21	14	25.40994	25.91617	0.99867	0.96525	0.98232	0.99867	0.96470	0.98203	21.81274	22.11310	0.99879	0.97446	0.98707	0.99879	0.97415	0.98690
21	15	25.40994	25.83587	0.99867	0.96681	0.98313	0.99867	0.96624	0.98283	21.81274	22.06509	0.99879	0.97549	0.98759	0.99879	0.97516	0.98742
21	16	25.40994	25.75319	0.99867	0.96836	0.98392	0.99867	0.96776	0.98361	21.81274	22.01544	0.99879	0.97650	0.98811	0.99879	0.97616	0.98794
21	17	25.40994	25.66857	0.99867	0.96988	0.98471	0.99867	0.96925	0.98439	21.81274	21.96453	0.99879	0.97751	0.98863	0.99879	0.97715	0.98844
21	18	25.40994	25.58235	0.99867	0.97137	0.98548	0.99867	0.97072	0.98514	21.81274	21.91267	0.99879	0.97850	0.98914	0.99879	0.97813	0.98895
21	19	25.40994	25.49361	0.99867	0.97283	0.98623	0.99867	0.97216	0.98588	21.81274	21.85907	0.99879	0.97948	0.98963	0.99879	0.97910	0.98944
21	20	25.40994	25.40164	0.99867	0.97425	0.98696	0.99867	0.97356	0.98660	21.81274	21.80312	0.99879	0.98044	0.99012	0.99879	0.98004	0.98992
21	21	25.40994	25.30562	0.99867	0.97563	0.98766	0.99867	0.97492	0.98730	21.81274	21.74411	0.99879	0.98137	0.99060	0.99879	0.98096	0.99039
21	22	25.40994	25.20517	0.99867	0.97697	0.98835	0.99867	0.97623	0.98797	21.81274	21.68171	0.99879	0.98228	0.99106	0.99879	0.98186	0.99084
21	23	25.40994	25.09967	0.99867	0.97826	0.98901	0.99867	0.97750	0.98862	21.81274	21.61537	0.99879	0.98317	0.99151	0.99879	0.98272	0.99129
21	24	25.40994	24.98936	0.99867	0.97950	0.98964	0.99867	0.97872	0.98924	21.81274	21.54528	0.99879	0.98402	0.99195	0.99879	0.98356	0.99171
21	25	25.40994	24.87419	0.99867	0.98069	0.99025	0.99867	0.97988	0.98984	21.81274	21.47137	0.99879	0.98485	0.99237	0.99879	0.98437	0.99212
21	26	25.40994	24.75420	0.99867	0.98182	0.99083	0.99867	0.98100	0.99041	21.81274	21.39367	0.99879	0.98564	0.99277	0.99879	0.98515	0.99252
21	27	25.40994	24.62994	0.99867	0.98290	0.99138	0.99867	0.98205	0.99095	21.81274	21.31262	0.99879	0.98640	0.99315	0.99879	0.98589	0.99289
21	28	25.40994	24.50119	0.99867	0.98393	0.99190	0.99867	0.98306	0.99146	21.81274	21.22804	0.99879	0.98712	0.99352	0.99879	0.98660	0.99325
21	29	25.40994	24.36788	0.99867	0.98490	0.99239	0.99867	0.98401	0.99194	21.81274	21.13984	0.99879	0.98781	0.99387	0.99879	0.98727	0.99360
21	30	25.40994	24.23009	0.99867	0.98581	0.99286	0.99867	0.98491	0.99240	21.81274	21.04806	0.99879	0.98847	0.99420	0.99879	0.98791	0.99392
21	31	25.40994	24.08752	0.99867	0.98668	0.99329	0.99867	0.98576	0.99283	21.81274	20.95246	0.99879	0.98910	0.99452	0.99879	0.98852	0.99423
21	32	25.40994	23.94006	0.99867	0.98749	0.99371	0.99867	0.98656	0.99323	21.81274	20.85289	0.99879	0.98969	0.99482	0.99879	0.98910	0.99452
21	33	25.40994	23.78740	0.99867	0.98826	0.99409	0.99867	0.98731	0.99361	21.81274	20.74907	0.99879	0.99025	0.99510	0.99879	0.98965	0.99480
21	34	25.40994	23.62942	0.99867	0.98898	0.99446	0.99867	0.98802	0.99397	21.81274	20.64088	0.99879	0.99078	0.99537	0.99879	0.99017	0.99506
21	35	25.40994	23.46579	0.99867	0.98965	0.99480	0.99867	0.98868	0.99431	21.81274	20.52800	0.99879	0.99129	0.99562	0.99879	0.99066	0.99531
21	36	25.40994	23.29632	0.99867	0.99029	0.99512	0.99867	0.98930	0.99462	21.81274	20.41023	0.99879	0.99176	0.99586	0.99879	0.99112	0.99554
21	37	25.40994	23.12089	0.99867	0.99088	0.99542	0.99867	0.98989	0.99492	21.81274	20.28745	0.99879	0.99221	0.99609	0.99879	0.99156	0.99576
21	38	25.40994	22.93911	0.99867	0.99144	0.99570	0.99867	0.99044	0.99520	21.81274	20.15926	0.99879	0.99264	0.99631	0.99879	0.99198	0.99597
21	39	25.40994	22.75087	0.99867	0.99197	0.99597	0.99867	0.99096	0.99546	21.81274	20.02555	0.99879	0.99304	0.99651	0.99879	0.99237	0.99617

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Beneficiary</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuitant</u>	<u>Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuitant</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
21	40	25.40994		22.55572	0.99867	0.99246	0.99622	0.99867	0.99144	0.99570		21.81274		19.88587	0.99879	0.99342	0.99670	0.99879	0.99274	0.99636	
21	41	25.40994		22.35340	0.99867	0.99292	0.99645	0.99867	0.99190	0.99593		21.81274		19.73995	0.99879	0.99379	0.99688	0.99879	0.99309	0.99653	
21	42	25.40994		22.14385	0.99867	0.99336	0.99667	0.99867	0.99233	0.99615		21.81274		19.58769	0.99879	0.99413	0.99706	0.99879	0.99342	0.99670	
21	43	25.40994		21.92669	0.99867	0.99377	0.99687	0.99867	0.99273	0.99635		21.81274		19.42870	0.99879	0.99445	0.99722	0.99879	0.99374	0.99686	
21	44	25.40994		21.70178	0.99867	0.99415	0.99707	0.99867	0.99311	0.99655		21.81274		19.26280	0.99879	0.99476	0.99737	0.99879	0.99404	0.99701	
21	45	25.40994		21.46876	0.99867	0.99452	0.99725	0.99867	0.99347	0.99673		21.81274		19.08963	0.99879	0.99506	0.99752	0.99879	0.99432	0.99715	
21	46	25.40994		21.22763	0.99867	0.99486	0.99742	0.99867	0.99381	0.99690		21.81274		18.90911	0.99879	0.99533	0.99766	0.99879	0.99459	0.99729	
21	47	25.40994		20.97813	0.99867	0.99518	0.99758	0.99867	0.99413	0.99706		21.81274		18.72094	0.99879	0.99560	0.99779	0.99879	0.99485	0.99742	
21	48	25.40994		20.72003	0.99867	0.99548	0.99774	0.99867	0.99444	0.99721		21.81274		18.52488	0.99879	0.99585	0.99792	0.99879	0.99509	0.99754	
21	49	25.40994		20.45326	0.99867	0.99577	0.99788	0.99867	0.99472	0.99735		21.81274		18.32076	0.99879	0.99609	0.99804	0.99879	0.99532	0.99766	
21	50	25.40994		20.17742	0.99867	0.99604	0.99802	0.99867	0.99499	0.99749		21.81274		18.10816	0.99879	0.99631	0.99815	0.99879	0.99554	0.99777	
21	51	25.40994		19.89339	0.99867	0.99630	0.99814	0.99867	0.99525	0.99762		21.81274		17.88781	0.99879	0.99653	0.99826	0.99879	0.99575	0.99787	
21	52	25.40994		19.60122	0.99867	0.99654	0.99826	0.99867	0.99549	0.99774		21.81274		17.65967	0.99879	0.99674	0.99836	0.99879	0.99595	0.99797	
21	53	25.40994		19.30125	0.99867	0.99676	0.99838	0.99867	0.99572	0.99786		21.81274		17.42398	0.99879	0.99693	0.99846	0.99879	0.99614	0.99807	
21	54	25.40994		18.99375	0.99867	0.99697	0.99848	0.99867	0.99594	0.99797		21.81274		17.18091	0.99879	0.99711	0.99855	0.99879	0.99632	0.99816	
21	55	25.40994		18.67912	0.99867	0.99717	0.99858	0.99867	0.99614	0.99807		21.81274		16.93076	0.99879	0.99729	0.99864	0.99879	0.99650	0.99825	
21	56	25.40994		18.35803	0.99867	0.99736	0.99868	0.99867	0.99634	0.99817		21.81274		16.67407	0.99879	0.99745	0.99872	0.99879	0.99666	0.99833	
21	57	25.40994		18.02853	0.99867	0.99754	0.99877	0.99867	0.99652	0.99826		21.81274		16.40902	0.99879	0.99761	0.99880	0.99879	0.99681	0.99840	
21	58	25.40994		17.69065	0.99867	0.99770	0.99885	0.99867	0.99669	0.99834		21.81274		16.13552	0.99879	0.99776	0.99888	0.99879	0.99696	0.99848	
21	59	25.40994		17.34441	0.99867	0.99786	0.99893	0.99867	0.99686	0.99843		21.81274		15.85354	0.99879	0.99790	0.99895	0.99879	0.99710	0.99855	
21	60	25.40994		16.98967	0.99867	0.99801	0.99900	0.99867	0.99701	0.99850		21.81274		15.56284	0.99879	0.99803	0.99902	0.99879	0.99724	0.99862	
21	61	25.40994		16.62627	0.99867	0.99814	0.99907	0.99867	0.99716	0.99858		21.81274		15.26320	0.99879	0.99816	0.99908	0.99879	0.99736	0.99868	
21	62	25.40994		16.25423	0.99867	0.99827	0.99914	0.99867	0.99730	0.99865		21.81274		14.95454	0.99879	0.99828	0.99914	0.99879	0.99748	0.99874	
21	63	25.40994		15.87341	0.99867	0.99840	0.99920	0.99867	0.99743	0.99871		21.81274		14.63664	0.99879	0.99839	0.99920	0.99879	0.99760	0.99880	
21	64	25.40994		15.48353	0.99867	0.99851	0.99926	0.99867	0.99755	0.99878		21.81274		14.30913	0.99879	0.99850	0.99925	0.99879	0.99771	0.99885	
21	65	25.40994		15.08480	0.99867	0.99862	0.99931	0.99867	0.99767	0.99884		21.81274		13.97213	0.99879	0.99860	0.99930	0.99879	0.99782	0.99891	
21	66	25.40994		14.67724	0.99867	0.99872	0.99936	0.99867	0.99779	0.99889		21.81274		13.62552	0.99879	0.99870	0.99935	0.99879	0.99792	0.99896	
21	67	25.40994		14.26104	0.99867	0.99882	0.99941	0.99867	0.99790	0.99895		21.81274		13.26940	0.99879	0.99879	0.99940	0.99879	0.99801	0.99901	
21	68	25.40994		13.83657	0.99867	0.99891	0.99946	0.99867	0.99800	0.99900		21.81274		12.90401	0.99879	0.99888	0.99944	0.99879	0.99811	0.99905	
21	69	25.40994		13.40435	0.99867	0.99900	0.99950	0.99867	0.99810	0.99905		21.81274		12.52973	0.99879	0.99897	0.99948	0.99879	0.99820	0.99910	
21	70	25.40994		12.96501	0.99867	0.99908	0.99954	0.99867	0.99819	0.99910		21.81274		12.14706	0.99879	0.99905	0.99952	0.99879	0.99828	0.99914	
21	71	25.40994		12.51927	0.99867	0.99916	0.99958	0.99867	0.99829	0.99914		21.81274		11.75658	0.99879	0.99912	0.99956	0.99879	0.99837	0.99918	
21	72	25.40994		12.06792	0.99867	0.99923	0.99961	0.99867	0.99837	0.99919		21.81274		11.35893	0.99879	0.99919	0.99960	0.99879	0.99845	0.99922	
21	73	25.40994		11.61185	0.99867	0.99930	0.99965	0.99867	0.99846	0.99923		21.81274		10.95491	0.99879	0.99926	0.99963	0.99879	0.99853	0.99926	
21	74	25.40994		11.15217	0.99867	0.99936	0.99968	0.99867	0.99854	0.99927		21.81274		10.54549	0.99879	0.99932	0.99966	0.99879	0.99860	0.99930	
21	75	25.40994		10.68986	0.99867	0.99942	0.99971	0.99867	0.99862	0.99931		21.81274		10.13154	0.99879	0.99938	0.99969	0.99879	0.99867	0.99934	
21	76	25.40994		10.22626	0.99867	0.99947	0.99974	0.99867	0.99869	0.99935		21.81274		9.71428	0.99879	0.99944	0.99972	0.99879	0.99874	0.99937	
21	77	25.40994		9.76277	0.99867	0.99953	0.99976	0.99867	0.99877	0.99938		21.81274		9.29502	0.99879	0.99949	0.99975	0.99879	0.99881	0.99941	
21	78	25.40994		9.30064	0.99867	0.99957	0.99979	0.99867	0.99883	0.99942		21.81274		8.87492	0.99879	0.99954	0.99977	0.99879	0.99888	0.99944	
21	79	25.40994		8.84103	0.99867	0.99962	0.99981	0.99867	0.99890	0.99945		21.81274		8.45509	0.99879	0.99959	0.99979	0.99879	0.99894	0.99947	
21	80	25.40994		8.38551	0.99867	0.99966	0.99983	0.99867	0.99896	0.99948		21.81274		8.03703	0.99879	0.99963	0.99982	0.99879	0.99900	0.99950	

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
21	81	25.40994	7.93532	0.99867	0.99970	0.99985	0.99867	0.99902	0.99951	21.81274	7.62196	0.99879	0.99967	0.99983	0.99879	0.99905	0.99953
21	82	25.40994	7.49211	0.99867	0.99973	0.99986	0.99867	0.99908	0.99954	21.81274	7.21152	0.99879	0.99971	0.99985	0.99879	0.99911	0.99955
21	83	25.40994	7.05756	0.99867	0.99976	0.99988	0.99867	0.99914	0.99957	21.81274	6.80735	0.99879	0.99974	0.99987	0.99879	0.99916	0.99958
21	84	25.40994	6.63342	0.99867	0.99979	0.99989	0.99867	0.99919	0.99959	21.81274	6.41122	0.99879	0.99977	0.99988	0.99879	0.99921	0.99960
21	85	25.40994	6.22156	0.99867	0.99981	0.99991	0.99867	0.99924	0.99962	21.81274	6.02503	0.99879	0.99979	0.99990	0.99879	0.99926	0.99963
21	86	25.40994	5.82374	0.99867	0.99984	0.99992	0.99867	0.99928	0.99964	21.81274	5.65055	0.99879	0.99982	0.99991	0.99879	0.99930	0.99965
21	87	25.40994	5.44155	0.99867	0.99986	0.99993	0.99867	0.99933	0.99966	21.81274	5.28949	0.99879	0.99984	0.99992	0.99879	0.99934	0.99967
21	88	25.40994	5.07613	0.99867	0.99987	0.99994	0.99867	0.99937	0.99968	21.81274	4.94306	0.99879	0.99986	0.99993	0.99879	0.99938	0.99969
21	89	25.40994	4.72862	0.99867	0.99989	0.99994	0.99867	0.99941	0.99970	21.81274	4.61250	0.99879	0.99988	0.99994	0.99879	0.99942	0.99971
21	90	25.40994	4.40007	0.99867	0.99990	0.99995	0.99867	0.99944	0.99972	21.81274	4.29901	0.99879	0.99989	0.99995	0.99879	0.99945	0.99973
21	91	25.40994	4.09149	0.99867	0.99992	0.99996	0.99867	0.99947	0.99974	21.81274	4.00370	0.99879	0.99991	0.99995	0.99879	0.99948	0.99974
21	92	25.40994	3.80354	0.99867	0.99993	0.99996	0.99867	0.99951	0.99975	21.81274	3.72738	0.99879	0.99992	0.99996	0.99879	0.99951	0.99976
21	93	25.40994	3.53621	0.99867	0.99994	0.99997	0.99867	0.99954	0.99977	21.81274	3.47020	0.99879	0.99993	0.99996	0.99879	0.99954	0.99977
21	94	25.40994	3.28870	0.99867	0.99994	0.99997	0.99867	0.99956	0.99978	21.81274	3.23152	0.99879	0.99994	0.99997	0.99879	0.99957	0.99978
21	95	25.40994	3.05955	0.99867	0.99995	0.99998	0.99867	0.99959	0.99979	21.81274	3.01004	0.99879	0.99994	0.99997	0.99879	0.99959	0.99980
21	96	25.40994	2.84646	0.99867	0.99996	0.99998	0.99867	0.99961	0.99981	21.81274	2.80360	0.99879	0.99995	0.99998	0.99879	0.99962	0.99981
21	97	25.40994	2.65226	0.99867	0.99996	0.99998	0.99867	0.99963	0.99982	21.81274	2.61510	0.99879	0.99996	0.99998	0.99879	0.99964	0.99982
21	98	25.40994	2.47567	0.99867	0.99997	0.99998	0.99867	0.99965	0.99983	21.81274	2.44340	0.99879	0.99996	0.99998	0.99879	0.99966	0.99983
21	99	25.40994	2.31535	0.99867	0.99997	0.99999	0.99867	0.99967	0.99984	21.81274	2.28724	0.99879	0.99997	0.99998	0.99879	0.99968	0.99984
21	100	25.40994	2.16976	0.99867	0.99997	0.99999	0.99867	0.99969	0.99985	21.81274	2.14523	0.99879	0.99997	0.99998	0.99879	0.99969	0.99985
21	101	25.40994	2.03734	0.99867	0.99998	0.99999	0.99867	0.99971	0.99985	21.81274	2.01587	0.99879	0.99997	0.99999	0.99879	0.99971	0.99986
21	102	25.40994	1.91714	0.99867	0.99998	0.99999	0.99867	0.99972	0.99986	21.81274	1.89830	0.99879	0.99998	0.99999	0.99879	0.99973	0.99986
21	103	25.40994	1.80800	0.99867	0.99998	0.99999	0.99867	0.99974	0.99987	21.81274	1.79140	0.99879	0.99998	0.99999	0.99879	0.99974	0.99987
21	104	25.40994	1.70943	0.99867	0.99998	0.99999	0.99867	0.99975	0.99987	21.81274	1.69474	0.99879	0.99998	0.99999	0.99879	0.99975	0.99988
21	105	25.40994	1.62048	0.99867	0.99998	0.99999	0.99867	0.99976	0.99988	21.81274	1.60741	0.99879	0.99998	0.99999	0.99879	0.99976	0.99988
21	106	25.40994	1.54080	0.99867	0.99999	0.99999	0.99867	0.99977	0.99989	21.81274	1.52911	0.99879	0.99998	0.99999	0.99879	0.99977	0.99989
21	107	25.40994	1.47009	0.99867	0.99999	0.99999	0.99867	0.99978	0.99989	21.81274	1.45954	0.99879	0.99999	0.99999	0.99879	0.99978	0.99989
21	108	25.40994	1.40861	0.99867	0.99999	0.99999	0.99867	0.99979	0.99989	21.81274	1.39898	0.99879	0.99999	0.99999	0.99879	0.99979	0.99990
21	109	25.40994	1.35764	0.99867	0.99999	0.99999	0.99867	0.99980	0.99990	21.81274	1.34871	0.99879	0.99999	0.99999	0.99879	0.99980	0.99990
21	110	25.40994	1.32125	0.99867	0.99999	0.99999	0.99867	0.99980	0.99990	21.81274	1.31279	0.99879	0.99999	0.99999	0.99879	0.99980	0.99990
22	1	25.31151	26.72925	0.99865	0.94216	0.97022	0.99865	0.94186	0.97006	21.75177	22.57586	0.99877	0.95946	0.97931	0.99877	0.95929	0.97922
22	2	25.31151	26.68154	0.99865	0.94355	0.97095	0.99865	0.94324	0.97079	21.75177	22.55058	0.99877	0.96031	0.97976	0.99877	0.96014	0.97966
22	3	25.31151	26.63112	0.99865	0.94497	0.97171	0.99865	0.94465	0.97154	21.75177	22.52338	0.99877	0.96120	0.98022	0.99877	0.96101	0.98012
22	4	25.31151	26.57806	0.99865	0.94643	0.97248	0.99865	0.94610	0.97230	21.75177	22.49433	0.99877	0.96211	0.98069	0.99877	0.96192	0.98059
22	5	25.31151	26.52283	0.99865	0.94792	0.97327	0.99865	0.94757	0.97308	21.75177	22.46379	0.99877	0.96304	0.98117	0.99877	0.96284	0.98107
22	6	25.31151	26.46539	0.99865	0.94945	0.97407	0.99865	0.94908	0.97387	21.75177	22.43176	0.99877	0.96400	0.98167	0.99877	0.96379	0.98156
22	7	25.31151	26.40551	0.99865	0.95100	0.97488	0.99865	0.95061	0.97468	21.75177	22.39806	0.99877	0.96498	0.98218	0.99877	0.96476	0.98206
22	8	25.31151	26.34335	0.99865	0.95257	0.97571	0.99865	0.95216	0.97549	21.75177	22.36278	0.99877	0.96598	0.98270	0.99877	0.96575	0.98257
22	9	25.31151	26.27867	0.99865	0.95417	0.97655	0.99865	0.95373	0.97632	21.75177	22.32575	0.99877	0.96700	0.98322	0.99877	0.96675	0.98310
22	10	25.31151	26.21121	0.99865	0.95578	0.97739	0.99865	0.95532	0.97715	21.75177	22.28674	0.99877	0.96804	0.98376	0.99877	0.96777	0.98362
22	11	25.31151	26.14141	0.99865	0.95741	0.97824	0.99865	0.95692	0.97799	21.75177	22.24611	0.99877	0.96909	0.98430	0.99877	0.96881	0.98416

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
22	12	25.31151	26.06892	0.99865	0.95904	0.97909	0.99865	0.95854	0.97883	21.75177	22.20360	0.99877	0.97015	0.98485	0.99877	0.96986	0.98470
22	13	25.31151	25.99388	0.99865	0.96069	0.97995	0.99865	0.96015	0.97967	21.75177	22.15929	0.99877	0.97122	0.98540	0.99877	0.97091	0.98524
22	14	25.31151	25.91617	0.99865	0.96233	0.98080	0.99865	0.96176	0.98051	21.75177	22.11310	0.99877	0.97229	0.98595	0.99877	0.97197	0.98578
22	15	25.31151	25.83587	0.99865	0.96396	0.98165	0.99865	0.96337	0.98134	21.75177	22.06509	0.99877	0.97337	0.98650	0.99877	0.97303	0.98633
22	16	25.31151	25.75319	0.99865	0.96558	0.98249	0.99865	0.96497	0.98217	21.75177	22.01544	0.99877	0.97444	0.98705	0.99877	0.97408	0.98687
22	17	25.31151	25.66857	0.99865	0.96719	0.98332	0.99865	0.96654	0.98299	21.75177	21.96453	0.99877	0.97550	0.98760	0.99877	0.97513	0.98741
22	18	25.31151	25.58235	0.99865	0.96877	0.98414	0.99865	0.96810	0.98379	21.75177	21.91267	0.99877	0.97656	0.98814	0.99877	0.97617	0.98794
22	19	25.31151	25.49361	0.99865	0.97032	0.98493	0.99865	0.96963	0.98458	21.75177	21.85907	0.99877	0.97760	0.98867	0.99877	0.97720	0.98847
22	20	25.31151	25.40164	0.99865	0.97183	0.98572	0.99865	0.97112	0.98535	21.75177	21.80312	0.99877	0.97862	0.98920	0.99877	0.97821	0.98898
22	21	25.31151	25.30562	0.99865	0.97331	0.98648	0.99865	0.97258	0.98610	21.75177	21.74411	0.99877	0.97963	0.98971	0.99877	0.97919	0.98949
22	22	25.31151	25.20517	0.99865	0.97475	0.98722	0.99865	0.97399	0.98682	21.75177	21.68171	0.99877	0.98061	0.99021	0.99877	0.98016	0.98998
22	23	25.31151	25.09967	0.99865	0.97615	0.98793	0.99865	0.97536	0.98753	21.75177	21.61537	0.99877	0.98156	0.99070	0.99877	0.98110	0.99046
22	24	25.31151	24.98936	0.99865	0.97749	0.98862	0.99865	0.97668	0.98820	21.75177	21.54528	0.99877	0.98249	0.99117	0.99877	0.98201	0.99092
22	25	25.31151	24.87419	0.99865	0.97878	0.98928	0.99865	0.97794	0.98885	21.75177	21.47137	0.99877	0.98339	0.99162	0.99877	0.98289	0.99137
22	26	25.31151	24.75420	0.99865	0.98002	0.98991	0.99865	0.97916	0.98947	21.75177	21.39367	0.99877	0.98425	0.99206	0.99877	0.98373	0.99180
22	27	25.31151	24.62994	0.99865	0.98120	0.99051	0.99865	0.98031	0.99006	21.75177	21.31262	0.99877	0.98508	0.99249	0.99877	0.98455	0.99221
22	28	25.31151	24.50119	0.99865	0.98233	0.99109	0.99865	0.98141	0.99062	21.75177	21.22804	0.99877	0.98588	0.99289	0.99877	0.98532	0.99261
22	29	25.31151	24.36788	0.99865	0.98339	0.99163	0.99865	0.98246	0.99115	21.75177	21.13984	0.99877	0.98664	0.99327	0.99877	0.98607	0.99298
22	30	25.31151	24.23009	0.99865	0.98441	0.99214	0.99865	0.98345	0.99166	21.75177	21.04806	0.99877	0.98736	0.99364	0.99877	0.98677	0.99334
22	31	25.31151	24.08752	0.99865	0.98536	0.99263	0.99865	0.98439	0.99213	21.75177	20.95246	0.99877	0.98805	0.99399	0.99877	0.98745	0.99368
22	32	25.31151	23.94006	0.99865	0.98626	0.99308	0.99865	0.98527	0.99258	21.75177	20.85289	0.99877	0.98871	0.99432	0.99877	0.98809	0.99401
22	33	25.31151	23.78740	0.99865	0.98711	0.99351	0.99865	0.98610	0.99300	21.75177	20.74907	0.99877	0.98933	0.99464	0.99877	0.98869	0.99432
22	34	25.31151	23.62942	0.99865	0.98791	0.99392	0.99865	0.98689	0.99340	21.75177	20.64088	0.99877	0.98992	0.99493	0.99877	0.98927	0.99461
22	35	25.31151	23.46579	0.99865	0.98866	0.99430	0.99865	0.98762	0.99377	21.75177	20.52800	0.99877	0.99048	0.99522	0.99877	0.98981	0.99488
22	36	25.31151	23.29632	0.99865	0.98936	0.99465	0.99865	0.98832	0.99412	21.75177	20.41023	0.99877	0.99101	0.99548	0.99877	0.99033	0.99514
22	37	25.31151	23.12089	0.99865	0.99002	0.99499	0.99865	0.98897	0.99445	21.75177	20.28745	0.99877	0.99150	0.99573	0.99877	0.99081	0.99539
22	38	25.31151	22.93911	0.99865	0.99064	0.99530	0.99865	0.98958	0.99476	21.75177	20.15926	0.99877	0.99198	0.99597	0.99877	0.99127	0.99562
22	39	25.31151	22.75087	0.99865	0.99122	0.99559	0.99865	0.99015	0.99505	21.75177	20.02555	0.99877	0.99242	0.99620	0.99877	0.99171	0.99584
22	40	25.31151	22.55572	0.99865	0.99177	0.99587	0.99865	0.99069	0.99532	21.75177	19.88587	0.99877	0.99285	0.99641	0.99877	0.99212	0.99604
22	41	25.31151	22.35340	0.99865	0.99228	0.99613	0.99865	0.99119	0.99558	21.75177	19.73995	0.99877	0.99325	0.99661	0.99877	0.99251	0.99624
22	42	25.31151	22.14385	0.99865	0.99277	0.99637	0.99865	0.99167	0.99582	21.75177	19.58769	0.99877	0.99363	0.99680	0.99877	0.99288	0.99643
22	43	25.31151	21.92669	0.99865	0.99322	0.99660	0.99865	0.99212	0.99604	21.75177	19.42870	0.99877	0.99399	0.99698	0.99877	0.99323	0.99660
22	44	25.31151	21.70178	0.99865	0.99365	0.99681	0.99865	0.99254	0.99626	21.75177	19.26280	0.99877	0.99433	0.99716	0.99877	0.99356	0.99677
22	45	25.31151	21.46876	0.99865	0.99405	0.99701	0.99865	0.99294	0.99646	21.75177	19.08963	0.99877	0.99465	0.99732	0.99877	0.99387	0.99693
22	46	25.31151	21.22763	0.99865	0.99442	0.99720	0.99865	0.99331	0.99665	21.75177	18.90911	0.99877	0.99496	0.99747	0.99877	0.99417	0.99708
22	47	25.31151	20.97813	0.99865	0.99478	0.99738	0.99865	0.99367	0.99682	21.75177	18.72094	0.99877	0.99525	0.99762	0.99877	0.99445	0.99722
22	48	25.31151	20.72003	0.99865	0.99511	0.99755	0.99865	0.99400	0.99699	21.75177	18.52488	0.99877	0.99553	0.99776	0.99877	0.99472	0.99735
22	49	25.31151	20.45326	0.99865	0.99543	0.99771	0.99865	0.99432	0.99715	21.75177	18.32076	0.99877	0.99579	0.99789	0.99877	0.99498	0.99748
22	50	25.31151	20.17742	0.99865	0.99573	0.99786	0.99865	0.99462	0.99730	21.75177	18.10816	0.99877	0.99604	0.99802	0.99877	0.99522	0.99761
22	51	25.31151	19.89339	0.99865	0.99601	0.99800	0.99865	0.99490	0.99744	21.75177	17.88781	0.99877	0.99628	0.99813	0.99877	0.99545	0.99772
22	52	25.31151	19.60122	0.99865	0.99627	0.99813	0.99865	0.99517	0.99758	21.75177	17.65967	0.99877	0.99650	0.99825	0.99877	0.99567	0.99783

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
22	53	25.31151	19.30125	0.99865	0.99652	0.99826	0.99865	0.99542	0.99770	21.75177	17.42398	0.99877	0.99671	0.99835	0.99877	0.99588	0.99794				
22	54	25.31151	18.99375	0.99865	0.99675	0.99837	0.99865	0.99566	0.99782	21.75177	17.18091	0.99877	0.99691	0.99846	0.99877	0.99608	0.99804				
22	55	25.31151	18.67912	0.99865	0.99697	0.99848	0.99865	0.99588	0.99794	21.75177	16.93076	0.99877	0.99711	0.99855	0.99877	0.99627	0.99813				
22	56	25.31151	18.35803	0.99865	0.99718	0.99859	0.99865	0.99610	0.99805	21.75177	16.67407	0.99877	0.99729	0.99864	0.99877	0.99645	0.99822				
22	57	25.31151	18.02853	0.99865	0.99737	0.99868	0.99865	0.99630	0.99815	21.75177	16.40902	0.99877	0.99746	0.99873	0.99877	0.99662	0.99831				
22	58	25.31151	17.69065	0.99865	0.99755	0.99878	0.99865	0.99649	0.99824	21.75177	16.13552	0.99877	0.99762	0.99881	0.99877	0.99678	0.99839				
22	59	25.31151	17.34441	0.99865	0.99772	0.99886	0.99865	0.99667	0.99833	21.75177	15.85354	0.99877	0.99777	0.99889	0.99877	0.99694	0.99847				
22	60	25.31151	16.98967	0.99865	0.99788	0.99894	0.99865	0.99684	0.99842	21.75177	15.56284	0.99877	0.99792	0.99896	0.99877	0.99709	0.99854				
22	61	25.31151	16.62627	0.99865	0.99804	0.99902	0.99865	0.99700	0.99850	21.75177	15.26320	0.99877	0.99806	0.99903	0.99877	0.99723	0.99861				
22	62	25.31151	16.25423	0.99865	0.99818	0.99909	0.99865	0.99716	0.99858	21.75177	14.95454	0.99877	0.99819	0.99909	0.99877	0.99736	0.99868				
22	63	25.31151	15.87341	0.99865	0.99831	0.99915	0.99865	0.99730	0.99865	21.75177	14.63664	0.99877	0.99831	0.99915	0.99877	0.99749	0.99874				
22	64	25.31151	15.48353	0.99865	0.99843	0.99922	0.99865	0.99744	0.99872	21.75177	14.30913	0.99877	0.99843	0.99921	0.99877	0.99761	0.99880				
22	65	25.31151	15.08480	0.99865	0.99855	0.99928	0.99865	0.99757	0.99878	21.75177	13.97213	0.99877	0.99854	0.99927	0.99877	0.99772	0.99886				
22	66	25.31151	14.67724	0.99865	0.99866	0.99933	0.99865	0.99769	0.99884	21.75177	13.62552	0.99877	0.99864	0.99932	0.99877	0.99783	0.99891				
22	67	25.31151	14.26104	0.99865	0.99877	0.99938	0.99865	0.99781	0.99890	21.75177	13.26940	0.99877	0.99874	0.99937	0.99877	0.99794	0.99897				
22	68	25.31151	13.83657	0.99865	0.99887	0.99943	0.99865	0.99792	0.99896	21.75177	12.90401	0.99877	0.99884	0.99942	0.99877	0.99804	0.99902				
22	69	25.31151	13.40435	0.99865	0.99896	0.99948	0.99865	0.99803	0.99901	21.75177	12.52973	0.99877	0.99893	0.99946	0.99877	0.99814	0.99907				
22	70	25.31151	12.96501	0.99865	0.99904	0.99952	0.99865	0.99813	0.99907	21.75177	12.14706	0.99877	0.99901	0.99951	0.99877	0.99823	0.99911				
22	71	25.31151	12.51927	0.99865	0.99913	0.99956	0.99865	0.99823	0.99911	21.75177	11.75658	0.99877	0.99909	0.99955	0.99877	0.99832	0.99916				
22	72	25.31151	12.06792	0.99865	0.99920	0.99960	0.99865	0.99833	0.99916	21.75177	11.35893	0.99877	0.99917	0.99958	0.99877	0.99841	0.99920				
22	73	25.31151	11.61185	0.99865	0.99927	0.99964	0.99865	0.99842	0.99921	21.75177	10.95491	0.99877	0.99924	0.99962	0.99877	0.99849	0.99924				
22	74	25.31151	11.15217	0.99865	0.99934	0.99967	0.99865	0.99850	0.99925	21.75177	10.54549	0.99877	0.99931	0.99965	0.99877	0.99857	0.99928				
22	75	25.31151	10.68986	0.99865	0.99940	0.99970	0.99865	0.99859	0.99929	21.75177	10.13154	0.99877	0.99937	0.99969	0.99877	0.99865	0.99932				
22	76	25.31151	10.22626	0.99865	0.99946	0.99973	0.99865	0.99867	0.99933	21.75177	9.71428	0.99877	0.99943	0.99971	0.99877	0.99872	0.99936				
22	77	25.31151	9.76277	0.99865	0.99952	0.99976	0.99865	0.99875	0.99937	21.75177	9.29502	0.99877	0.99948	0.99974	0.99877	0.99879	0.99940				
22	78	25.31151	9.30064	0.99865	0.99957	0.99978	0.99865	0.99882	0.99941	21.75177	8.87492	0.99877	0.99954	0.99977	0.99877	0.99886	0.99943				
22	79	25.31151	8.84103	0.99865	0.99961	0.99981	0.99865	0.99889	0.99944	21.75177	8.45509	0.99877	0.99958	0.99979	0.99877	0.99893	0.99946				
22	80	25.31151	8.38551	0.99865	0.99965	0.99983	0.99865	0.99896	0.99948	21.75177	8.03703	0.99877	0.99963	0.99981	0.99877	0.99899	0.99950				
22	81	25.31151	7.93532	0.99865	0.99969	0.99985	0.99865	0.99902	0.99951	21.75177	7.62196	0.99877	0.99967	0.99983	0.99877	0.99905	0.99953				
22	82	25.31151	7.49211	0.99865	0.99973	0.99986	0.99865	0.99908	0.99954	21.75177	7.21152	0.99877	0.99971	0.99985	0.99877	0.99911	0.99956				
22	83	25.31151	7.05756	0.99865	0.99976	0.99988	0.99865	0.99914	0.99957	21.75177	6.80735	0.99877	0.99974	0.99987	0.99877	0.99917	0.99958				
22	84	25.31151	6.63342	0.99865	0.99979	0.99989	0.99865	0.99920	0.99960	21.75177	6.41122	0.99877	0.99977	0.99989	0.99877	0.99922	0.99961				
22	85	25.31151	6.22156	0.99865	0.99982	0.99991	0.99865	0.99925	0.99962	21.75177	6.02503	0.99877	0.99980	0.99990	0.99877	0.99927	0.99963				
22	86	25.31151	5.82374	0.99865	0.99984	0.99992	0.99865	0.99930	0.99965	21.75177	5.65055	0.99877	0.99982	0.99991	0.99877	0.99932	0.99966				
22	87	25.31151	5.44155	0.99865	0.99986	0.99993	0.99865	0.99934	0.99967	21.75177	5.28949	0.99877	0.99984	0.99992	0.99877	0.99936	0.99968				
22	88	25.31151	5.07613	0.99865	0.99988	0.99994	0.99865	0.99939	0.99969	21.75177	4.94306	0.99877	0.99986	0.99993	0.99877	0.99940	0.99970				
22	89	25.31151	4.72862	0.99865	0.99989	0.99995	0.99865	0.99943	0.99971	21.75177	4.61250	0.99877	0.99988	0.99994	0.99877	0.99944	0.99972				
22	90	25.31151	4.40007	0.99865	0.99991	0.99995	0.99865	0.99947	0.99973	21.75177	4.29901	0.99877	0.99990	0.99995	0.99877	0.99948	0.99974				
22	91	25.31151	4.09149	0.99865	0.99992	0.99996	0.99865	0.99950	0.99975	21.75177	4.00370	0.99877	0.99991	0.99995	0.99877	0.99951	0.99976				
22	92	25.31151	3.80354	0.99865	0.99993	0.99996	0.99865	0.99953	0.99977	21.75177	3.72738	0.99877	0.99992	0.99996	0.99877	0.99954	0.99977				
22	93	25.31151	3.53621	0.99865	0.99994	0.99997	0.99865	0.99956	0.99978	21.75177	3.47020	0.99877	0.99993	0.99997	0.99877	0.99957	0.99979				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
22	94	25.31151	3.28870	0.99865	0.99995	0.99997	0.99865	0.99959	0.99980	21.75177	3.23152	0.99877	0.99994	0.99997	0.99877	0.99960	0.99980
22	95	25.31151	3.05955	0.99865	0.99995	0.99998	0.99865	0.99962	0.99981	21.75177	3.01004	0.99877	0.99995	0.99997	0.99877	0.99962	0.99981
22	96	25.31151	2.84646	0.99865	0.99996	0.99998	0.99865	0.99964	0.99982	21.75177	2.80360	0.99877	0.99995	0.99998	0.99877	0.99965	0.99982
22	97	25.31151	2.65226	0.99865	0.99996	0.99998	0.99865	0.99966	0.99983	21.75177	2.61510	0.99877	0.99996	0.99998	0.99877	0.99967	0.99983
22	98	25.31151	2.47567	0.99865	0.99997	0.99998	0.99865	0.99968	0.99984	21.75177	2.44340	0.99877	0.99996	0.99998	0.99877	0.99969	0.99984
22	99	25.31151	2.31535	0.99865	0.99997	0.99999	0.99865	0.99970	0.99985	21.75177	2.28724	0.99877	0.99997	0.99998	0.99877	0.99971	0.99985
22	100	25.31151	2.16976	0.99865	0.99998	0.99999	0.99865	0.99972	0.99986	21.75177	2.14523	0.99877	0.99997	0.99999	0.99877	0.99972	0.99986
22	101	25.31151	2.03734	0.99865	0.99998	0.99999	0.99865	0.99974	0.99987	21.75177	2.01587	0.99877	0.99998	0.99999	0.99877	0.99974	0.99987
22	102	25.31151	1.91714	0.99865	0.99998	0.99999	0.99865	0.99975	0.99988	21.75177	1.89830	0.99877	0.99998	0.99999	0.99877	0.99975	0.99988
22	103	25.31151	1.80800	0.99865	0.99998	0.99999	0.99865	0.99976	0.99988	21.75177	1.79140	0.99877	0.99998	0.99999	0.99877	0.99977	0.99988
22	104	25.31151	1.70943	0.99865	0.99998	0.99999	0.99865	0.99978	0.99989	21.75177	1.69474	0.99877	0.99998	0.99999	0.99877	0.99978	0.99989
22	105	25.31151	1.62048	0.99865	0.99999	0.99999	0.99865	0.99979	0.99989	21.75177	1.60741	0.99877	0.99998	0.99999	0.99877	0.99979	0.99989
22	106	25.31151	1.54080	0.99865	0.99999	0.99999	0.99865	0.99980	0.99990	21.75177	1.52911	0.99877	0.99999	0.99999	0.99877	0.99980	0.99990
22	107	25.31151	1.47009	0.99865	0.99999	0.99999	0.99865	0.99981	0.99990	21.75177	1.45954	0.99877	0.99999	0.99999	0.99877	0.99981	0.99990
22	108	25.31151	1.40861	0.99865	0.99999	0.99999	0.99865	0.99981	0.99991	21.75177	1.39898	0.99877	0.99999	0.99999	0.99877	0.99982	0.99991
22	109	25.31151	1.35764	0.99865	0.99999	1.00000	0.99865	0.99982	0.99991	21.75177	1.34871	0.99877	0.99999	0.99999	0.99877	0.99982	0.99991
22	110	25.31151	1.32125	0.99865	0.99999	1.00000	0.99865	0.99982	0.99991	21.75177	1.31279	0.99877	0.99999	0.99999	0.99877	0.99983	0.99991
23	1	25.20860	26.72925	0.99859	0.93853	0.96829	0.99859	0.93823	0.96813	21.68735	22.57586	0.99872	0.95676	0.97790	0.99872	0.95658	0.97781
23	2	25.20860	26.68154	0.99859	0.93994	0.96904	0.99859	0.93963	0.96887	21.68735	22.55058	0.99872	0.95763	0.97836	0.99872	0.95745	0.97826
23	3	25.20860	26.63112	0.99859	0.94138	0.96981	0.99859	0.94106	0.96963	21.68735	22.52338	0.99872	0.95852	0.97882	0.99872	0.95834	0.97872
23	4	25.20860	26.57806	0.99859	0.94286	0.97059	0.99859	0.94252	0.97041	21.68735	22.49433	0.99872	0.95945	0.97931	0.99872	0.95925	0.97920
23	5	25.20860	26.52283	0.99859	0.94438	0.97139	0.99859	0.94402	0.97120	21.68735	22.46379	0.99872	0.96040	0.97980	0.99872	0.96020	0.97969
23	6	25.20860	26.46539	0.99859	0.94593	0.97221	0.99859	0.94555	0.97201	21.68735	22.43176	0.99872	0.96138	0.98031	0.99872	0.96116	0.98020
23	7	25.20860	26.40551	0.99859	0.94751	0.97305	0.99859	0.94711	0.97284	21.68735	22.39806	0.99872	0.96238	0.98083	0.99872	0.96215	0.98071
23	8	25.20860	26.34335	0.99859	0.94912	0.97389	0.99859	0.94870	0.97367	21.68735	22.36278	0.99872	0.96341	0.98136	0.99872	0.96317	0.98124
23	9	25.20860	26.27867	0.99859	0.95075	0.97475	0.99859	0.95031	0.97452	21.68735	22.32575	0.99872	0.96446	0.98191	0.99872	0.96420	0.98177
23	10	25.20860	26.21121	0.99859	0.95241	0.97562	0.99859	0.95194	0.97538	21.68735	22.28674	0.99872	0.96553	0.98246	0.99872	0.96525	0.98232
23	11	25.20860	26.14141	0.99859	0.95409	0.97650	0.99859	0.95359	0.97625	21.68735	22.24611	0.99872	0.96661	0.98302	0.99872	0.96632	0.98287
23	12	25.20860	26.06892	0.99859	0.95578	0.97739	0.99859	0.95526	0.97712	21.68735	22.20360	0.99872	0.96771	0.98359	0.99872	0.96741	0.98343
23	13	25.20860	25.99388	0.99859	0.95748	0.97828	0.99859	0.95693	0.97799	21.68735	22.15929	0.99872	0.96882	0.98416	0.99872	0.96850	0.98400
23	14	25.20860	25.91617	0.99859	0.95918	0.97917	0.99859	0.95861	0.97887	21.68735	22.11310	0.99872	0.96994	0.98474	0.99872	0.96961	0.98457
23	15	25.20860	25.83587	0.99859	0.96089	0.98005	0.99859	0.96029	0.97974	21.68735	22.06509	0.99872	0.97106	0.98532	0.99872	0.97071	0.98514
23	16	25.20860	25.75319	0.99859	0.96259	0.98094	0.99859	0.96196	0.98061	21.68735	22.01544	0.99872	0.97219	0.98590	0.99872	0.97182	0.98571
23	17	25.20860	25.66857	0.99859	0.96427	0.98181	0.99859	0.96361	0.98147	21.68735	21.96453	0.99872	0.97331	0.98648	0.99872	0.97293	0.98628
23	18	25.20860	25.58235	0.99859	0.96594	0.98267	0.99859	0.96525	0.98232	21.68735	21.91267	0.99872	0.97443	0.98705	0.99872	0.97402	0.98684
23	19	25.20860	25.49361	0.99859	0.96758	0.98352	0.99859	0.96687	0.98316	21.68735	21.85907	0.99872	0.97553	0.98761	0.99872	0.97511	0.98740
23	20	25.20860	25.40164	0.99859	0.96919	0.98436	0.99859	0.96846	0.98398	21.68735	21.80312	0.99872	0.97662	0.98817	0.99872	0.97619	0.98795
23	21	25.20860	25.30562	0.99859	0.97077	0.98517	0.99859	0.97001	0.98478	21.68735	21.74411	0.99872	0.97769	0.98872	0.99872	0.97724	0.98849
23	22	25.20860	25.20517	0.99859	0.97232	0.98596	0.99859	0.97152	0.98556	21.68735	21.68171	0.99872	0.97875	0.98926	0.99872	0.97828	0.98902
23	23	25.20860	25.09967	0.99859	0.97381	0.98673	0.99859	0.97299	0.98631	21.68735	21.61537	0.99872	0.97978	0.98979	0.99872	0.97929	0.98954
23	24	25.20860	24.98936	0.99859	0.97527	0.98748	0.99859	0.97442	0.98704	21.68735	21.54528	0.99872	0.98078	0.99030	0.99872	0.98027	0.99004

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
23	25	25.20860	24.87419	0.99859	0.97667	0.98820	0.99859	0.97579	0.98775	21.68735	21.47137	0.99872	0.98175	0.99079	0.99872	0.98123	0.99052
23	26	25.20860	24.75420	0.99859	0.97801	0.98888	0.99859	0.97710	0.98842	21.68735	21.39367	0.99872	0.98269	0.99127	0.99872	0.98215	0.99099
23	27	25.20860	24.62994	0.99859	0.97930	0.98954	0.99859	0.97837	0.98907	21.68735	21.31262	0.99872	0.98360	0.99173	0.99872	0.98304	0.99144
23	28	25.20860	24.50119	0.99859	0.98053	0.99017	0.99859	0.97957	0.98968	21.68735	21.22804	0.99872	0.98447	0.99218	0.99872	0.98389	0.99188
23	29	25.20860	24.36788	0.99859	0.98170	0.99077	0.99859	0.98072	0.99027	21.68735	21.13984	0.99872	0.98531	0.99260	0.99872	0.98470	0.99229
23	30	25.20860	24.23009	0.99859	0.98281	0.99133	0.99859	0.98181	0.99082	21.68735	21.04806	0.99872	0.98610	0.99300	0.99872	0.98548	0.99269
23	31	25.20860	24.08752	0.99859	0.98387	0.99187	0.99859	0.98284	0.99134	21.68735	20.95246	0.99872	0.98687	0.99339	0.99872	0.98622	0.99306
23	32	25.20860	23.94006	0.99859	0.98486	0.99237	0.99859	0.98381	0.99184	21.68735	20.85289	0.99872	0.98759	0.99376	0.99872	0.98693	0.99342
23	33	25.20860	23.78740	0.99859	0.98580	0.99285	0.99859	0.98473	0.99231	21.68735	20.74907	0.99872	0.98828	0.99410	0.99872	0.98760	0.99376
23	34	25.20860	23.62942	0.99859	0.98668	0.99330	0.99859	0.98560	0.99275	21.68735	20.64088	0.99872	0.98893	0.99443	0.99872	0.98824	0.99408
23	35	25.20860	23.46579	0.99859	0.98751	0.99372	0.99859	0.98642	0.99316	21.68735	20.52800	0.99872	0.98955	0.99475	0.99872	0.98884	0.99439
23	36	25.20860	23.29632	0.99859	0.98829	0.99411	0.99859	0.98718	0.99355	21.68735	20.41023	0.99872	0.99013	0.99504	0.99872	0.98941	0.99468
23	37	25.20860	23.12089	0.99859	0.98903	0.99448	0.99859	0.98791	0.99392	21.68735	20.28745	0.99872	0.99069	0.99532	0.99872	0.98995	0.99495
23	38	25.20860	22.93911	0.99859	0.98972	0.99483	0.99859	0.98858	0.99426	21.68735	20.15926	0.99872	0.99121	0.99559	0.99872	0.99046	0.99521
23	39	25.20860	22.75087	0.99859	0.99036	0.99516	0.99859	0.98922	0.99458	21.68735	20.02555	0.99872	0.99171	0.99584	0.99872	0.99094	0.99545
23	40	25.20860	22.55572	0.99859	0.99097	0.99546	0.99859	0.98982	0.99488	21.68735	19.88587	0.99872	0.99217	0.99607	0.99872	0.99140	0.99568
23	41	25.20860	22.35340	0.99859	0.99154	0.99575	0.99859	0.99038	0.99517	21.68735	19.73995	0.99872	0.99262	0.99630	0.99872	0.99183	0.99590
23	42	25.20860	22.14385	0.99859	0.99208	0.99602	0.99859	0.99091	0.99543	21.68735	19.58769	0.99872	0.99304	0.99651	0.99872	0.99224	0.99610
23	43	25.20860	21.92669	0.99859	0.99258	0.99628	0.99859	0.99140	0.99568	21.68735	19.42870	0.99872	0.99344	0.99671	0.99872	0.99263	0.99630
23	44	25.20860	21.70178	0.99859	0.99305	0.99651	0.99859	0.99187	0.99592	21.68735	19.26280	0.99872	0.99381	0.99690	0.99872	0.99299	0.99648
23	45	25.20860	21.46876	0.99859	0.99349	0.99674	0.99859	0.99231	0.99614	21.68735	19.08963	0.99872	0.99417	0.99708	0.99872	0.99334	0.99666
23	46	25.20860	21.22763	0.99859	0.99391	0.99695	0.99859	0.99273	0.99635	21.68735	18.90911	0.99872	0.99451	0.99725	0.99872	0.99367	0.99682
23	47	25.20860	20.97813	0.99859	0.99430	0.99714	0.99859	0.99312	0.99655	21.68735	18.72094	0.99872	0.99483	0.99741	0.99872	0.99398	0.99698
23	48	25.20860	20.72003	0.99859	0.99467	0.99733	0.99859	0.99349	0.99673	21.68735	18.52488	0.99872	0.99514	0.99756	0.99872	0.99428	0.99713
23	49	25.20860	20.45326	0.99859	0.99502	0.99751	0.99859	0.99384	0.99691	21.68735	18.32076	0.99872	0.99543	0.99771	0.99872	0.99456	0.99727
23	50	25.20860	20.17742	0.99859	0.99535	0.99767	0.99859	0.99417	0.99707	21.68735	18.10816	0.99872	0.99570	0.99785	0.99872	0.99483	0.99741
23	51	25.20860	19.89339	0.99859	0.99566	0.99783	0.99859	0.99448	0.99723	21.68735	17.88781	0.99872	0.99596	0.99798	0.99872	0.99509	0.99754
23	52	25.20860	19.60122	0.99859	0.99595	0.99797	0.99859	0.99477	0.99738	21.68735	17.65967	0.99872	0.99621	0.99810	0.99872	0.99533	0.99766
23	53	25.20860	19.30125	0.99859	0.99622	0.99811	0.99859	0.99505	0.99752	21.68735	17.42398	0.99872	0.99644	0.99822	0.99872	0.99556	0.99777
23	54	25.20860	18.99375	0.99859	0.99648	0.99824	0.99859	0.99531	0.99765	21.68735	17.18091	0.99872	0.99667	0.99833	0.99872	0.99578	0.99788
23	55	25.20860	18.67912	0.99859	0.99672	0.99836	0.99859	0.99556	0.99778	21.68735	16.93076	0.99872	0.99688	0.99844	0.99872	0.99599	0.99799
23	56	25.20860	18.35803	0.99859	0.99695	0.99847	0.99859	0.99580	0.99789	21.68735	16.67407	0.99872	0.99708	0.99854	0.99872	0.99619	0.99809
23	57	25.20860	18.02853	0.99859	0.99716	0.99858	0.99859	0.99602	0.99801	21.68735	16.40902	0.99872	0.99726	0.99863	0.99872	0.99637	0.99818
23	58	25.20860	17.69065	0.99859	0.99736	0.99868	0.99859	0.99623	0.99811	21.68735	16.13552	0.99872	0.99744	0.99872	0.99872	0.99655	0.99827
23	59	25.20860	17.34441	0.99859	0.99755	0.99877	0.99859	0.99643	0.99821	21.68735	15.85354	0.99872	0.99761	0.99880	0.99872	0.99672	0.99836
23	60	25.20860	16.98967	0.99859	0.99773	0.99886	0.99859	0.99662	0.99831	21.68735	15.56284	0.99872	0.99777	0.99888	0.99872	0.99688	0.99844
23	61	25.20860	16.62627	0.99859	0.99789	0.99894	0.99859	0.99680	0.99840	21.68735	15.26320	0.99872	0.99792	0.99896	0.99872	0.99704	0.99852
23	62	25.20860	16.25423	0.99859	0.99805	0.99902	0.99859	0.99696	0.99848	21.68735	14.95454	0.99872	0.99806	0.99903	0.99872	0.99718	0.99859
23	63	25.20860	15.87341	0.99859	0.99819	0.99909	0.99859	0.99712	0.99856	21.68735	14.63664	0.99872	0.99820	0.99910	0.99872	0.99732	0.99866
23	64	25.20860	15.48353	0.99859	0.99833	0.99916	0.99859	0.99727	0.99863	21.68735	14.30913	0.99872	0.99832	0.99916	0.99872	0.99746	0.99873
23	65	25.20860	15.08480	0.99859	0.99846	0.99923	0.99859	0.99742	0.99871	21.68735	13.97213	0.99872	0.99844	0.99922	0.99872	0.99758	0.99879

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
23	66	25.20860	14.67724	0.99859	0.99858	0.99929	0.99859	0.99755	0.99877	21.68735	13.62552	0.99872	0.99856	0.99928	0.99872	0.99770	0.99885
23	67	25.20860	14.26104	0.99859	0.99869	0.99934	0.99859	0.99768	0.99884	21.68735	13.26940	0.99872	0.99867	0.99933	0.99872	0.99782	0.99891
23	68	25.20860	13.83657	0.99859	0.99879	0.99940	0.99859	0.99780	0.99890	21.68735	12.90401	0.99872	0.99877	0.99938	0.99872	0.99793	0.99896
23	69	25.20860	13.40435	0.99859	0.99889	0.99945	0.99859	0.99792	0.99896	21.68735	12.52973	0.99872	0.99886	0.99943	0.99872	0.99803	0.99902
23	70	25.20860	12.96501	0.99859	0.99899	0.99949	0.99859	0.99803	0.99901	21.68735	12.14706	0.99872	0.99896	0.99948	0.99872	0.99813	0.99907
23	71	25.20860	12.51927	0.99859	0.99908	0.99954	0.99859	0.99814	0.99907	21.68735	11.75658	0.99872	0.99904	0.99952	0.99872	0.99823	0.99911
23	72	25.20860	12.06792	0.99859	0.99916	0.99958	0.99859	0.99824	0.99912	21.68735	11.35893	0.99872	0.99912	0.99956	0.99872	0.99832	0.99916
23	73	25.20860	11.61185	0.99859	0.99923	0.99962	0.99859	0.99834	0.99917	21.68735	10.95491	0.99872	0.99920	0.99960	0.99872	0.99841	0.99921
23	74	25.20860	11.15217	0.99859	0.99931	0.99965	0.99859	0.99843	0.99921	21.68735	10.54549	0.99872	0.99927	0.99964	0.99872	0.99850	0.99925
23	75	25.20860	10.68986	0.99859	0.99937	0.99969	0.99859	0.99852	0.99926	21.68735	10.13154	0.99872	0.99934	0.99967	0.99872	0.99858	0.99929
23	76	25.20860	10.22626	0.99859	0.99944	0.99972	0.99859	0.99861	0.99930	21.68735	9.71428	0.99872	0.99940	0.99970	0.99872	0.99866	0.99933
23	77	25.20860	9.76277	0.99859	0.99949	0.99975	0.99859	0.99869	0.99934	21.68735	9.29502	0.99872	0.99946	0.99973	0.99872	0.99874	0.99937
23	78	25.20860	9.30064	0.99859	0.99955	0.99977	0.99859	0.99877	0.99938	21.68735	8.87492	0.99872	0.99952	0.99976	0.99872	0.99882	0.99941
23	79	25.20860	8.84103	0.99859	0.99960	0.99980	0.99859	0.99885	0.99942	21.68735	8.45509	0.99872	0.99957	0.99978	0.99872	0.99889	0.99944
23	80	25.20860	8.38551	0.99859	0.99964	0.99982	0.99859	0.99892	0.99946	21.68735	8.03703	0.99872	0.99961	0.99981	0.99872	0.99896	0.99948
23	81	25.20860	7.93532	0.99859	0.99968	0.99984	0.99859	0.99899	0.99949	21.68735	7.62196	0.99872	0.99966	0.99983	0.99872	0.99902	0.99951
23	82	25.20860	7.49211	0.99859	0.99972	0.99986	0.99859	0.99905	0.99953	21.68735	7.21152	0.99872	0.99970	0.99985	0.99872	0.99908	0.99954
23	83	25.20860	7.05756	0.99859	0.99975	0.99988	0.99859	0.99912	0.99956	21.68735	6.80735	0.99872	0.99973	0.99987	0.99872	0.99914	0.99957
23	84	25.20860	6.63342	0.99859	0.99978	0.99989	0.99859	0.99918	0.99959	21.68735	6.41122	0.99872	0.99976	0.99988	0.99872	0.99920	0.99960
23	85	25.20860	6.22156	0.99859	0.99981	0.99991	0.99859	0.99923	0.99962	21.68735	6.02503	0.99872	0.99979	0.99990	0.99872	0.99925	0.99963
23	86	25.20860	5.82374	0.99859	0.99983	0.99992	0.99859	0.99928	0.99964	21.68735	5.65055	0.99872	0.99982	0.99991	0.99872	0.99930	0.99965
23	87	25.20860	5.44155	0.99859	0.99986	0.99993	0.99859	0.99933	0.99967	21.68735	5.28949	0.99872	0.99984	0.99992	0.99872	0.99935	0.99968
23	88	25.20860	5.07613	0.99859	0.99988	0.99994	0.99859	0.99938	0.99969	21.68735	4.94306	0.99872	0.99986	0.99993	0.99872	0.99940	0.99970
23	89	25.20860	4.72862	0.99859	0.99989	0.99995	0.99859	0.99942	0.99971	21.68735	4.61250	0.99872	0.99988	0.99994	0.99872	0.99944	0.99972
23	90	25.20860	4.40007	0.99859	0.99991	0.99995	0.99859	0.99946	0.99973	21.68735	4.29901	0.99872	0.99990	0.99995	0.99872	0.99948	0.99974
23	91	25.20860	4.09149	0.99859	0.99992	0.99996	0.99859	0.99950	0.99975	21.68735	4.00370	0.99872	0.99991	0.99995	0.99872	0.99951	0.99976
23	92	25.20860	3.80354	0.99859	0.99993	0.99996	0.99859	0.99954	0.99977	21.68735	3.72738	0.99872	0.99992	0.99996	0.99872	0.99954	0.99977
23	93	25.20860	3.53621	0.99859	0.99994	0.99997	0.99859	0.99957	0.99978	21.68735	3.47020	0.99872	0.99993	0.99997	0.99872	0.99958	0.99979
23	94	25.20860	3.28870	0.99859	0.99995	0.99997	0.99859	0.99960	0.99980	21.68735	3.23152	0.99872	0.99994	0.99997	0.99872	0.99960	0.99980
23	95	25.20860	3.05955	0.99859	0.99995	0.99998	0.99859	0.99962	0.99981	21.68735	3.01004	0.99872	0.99995	0.99997	0.99872	0.99963	0.99982
23	96	25.20860	2.84646	0.99859	0.99996	0.99998	0.99859	0.99965	0.99982	21.68735	2.80360	0.99872	0.99996	0.99998	0.99872	0.99966	0.99983
23	97	25.20860	2.65226	0.99859	0.99997	0.99998	0.99859	0.99967	0.99984	21.68735	2.61510	0.99872	0.99996	0.99998	0.99872	0.99968	0.99984
23	98	25.20860	2.47567	0.99859	0.99997	0.99998	0.99859	0.99969	0.99985	21.68735	2.44340	0.99872	0.99997	0.99998	0.99872	0.99970	0.99985
23	99	25.20860	2.31535	0.99859	0.99997	0.99999	0.99859	0.99971	0.99986	21.68735	2.28724	0.99872	0.99997	0.99999	0.99872	0.99972	0.99986
23	100	25.20860	2.16976	0.99859	0.99998	0.99999	0.99859	0.99973	0.99987	21.68735	2.14523	0.99872	0.99997	0.99999	0.99872	0.99973	0.99987
23	101	25.20860	2.03734	0.99859	0.99998	0.99999	0.99859	0.99975	0.99987	21.68735	2.01587	0.99872	0.99998	0.99999	0.99872	0.99975	0.99988
23	102	25.20860	1.91714	0.99859	0.99998	0.99999	0.99859	0.99976	0.99988	21.68735	1.89830	0.99872	0.99998	0.99999	0.99872	0.99977	0.99988
23	103	25.20860	1.80800	0.99859	0.99998	0.99999	0.99859	0.99978	0.99989	21.68735	1.79140	0.99872	0.99998	0.99999	0.99872	0.99978	0.99989
23	104	25.20860	1.70943	0.99859	0.99999	0.99999	0.99859	0.99979	0.99989	21.68735	1.69474	0.99872	0.99998	0.99999	0.99872	0.99979	0.99990
23	105	25.20860	1.62048	0.99859	0.99999	0.99999	0.99859	0.99980	0.99990	21.68735	1.60741	0.99872	0.99999	0.99999	0.99872	0.99980	0.99990
23	106	25.20860	1.54080	0.99859	0.99999	0.99999	0.99859	0.99981	0.99990	21.68735	1.52911	0.99872	0.99999	0.99999	0.99872	0.99981	0.99991

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
23	107	25.20860	1.47009	0.99859	0.99999	0.99999	0.99859	0.99982	0.99991	21.68735	1.45954	0.99872	0.99999	0.99999	0.99872	0.99982	0.99991
23	108	25.20860	1.40861	0.99859	0.99999	1.00000	0.99859	0.99983	0.99991	21.68735	1.39898	0.99872	0.99999	0.99999	0.99872	0.99983	0.99991
23	109	25.20860	1.35764	0.99859	0.99999	1.00000	0.99859	0.99983	0.99992	21.68735	1.34871	0.99872	0.99999	0.99999	0.99872	0.99983	0.99992
23	110	25.20860	1.32125	0.99859	0.99999	1.00000	0.99859	0.99984	0.99992	21.68735	1.31279	0.99872	0.99999	1.00000	0.99872	0.99984	0.99992
24	1	25.10116	26.72925	0.99850	0.93472	0.96626	0.99850	0.93442	0.96610	21.61943	22.57586	0.99864	0.95390	0.97640	0.99864	0.95372	0.97631
24	2	25.10116	26.68154	0.99850	0.93614	0.96702	0.99850	0.93583	0.96685	21.61943	22.55058	0.99864	0.95478	0.97687	0.99864	0.95459	0.97677
24	3	25.10116	26.63112	0.99850	0.93760	0.96780	0.99850	0.93727	0.96762	21.61943	22.52338	0.99864	0.95569	0.97734	0.99864	0.95549	0.97724
24	4	25.10116	26.57806	0.99850	0.93910	0.96860	0.99850	0.93876	0.96841	21.61943	22.49433	0.99864	0.95663	0.97783	0.99864	0.95642	0.97773
24	5	25.10116	26.52283	0.99850	0.94064	0.96941	0.99850	0.94028	0.96922	21.61943	22.46379	0.99864	0.95760	0.97834	0.99864	0.95738	0.97823
24	6	25.10116	26.46539	0.99850	0.94221	0.97025	0.99850	0.94183	0.97004	21.61943	22.43176	0.99864	0.95859	0.97886	0.99864	0.95837	0.97874
24	7	25.10116	26.40551	0.99850	0.94382	0.97110	0.99850	0.94342	0.97089	21.61943	22.39806	0.99864	0.95962	0.97939	0.99864	0.95938	0.97927
24	8	25.10116	26.34335	0.99850	0.94546	0.97197	0.99850	0.94504	0.97174	21.61943	22.36278	0.99864	0.96067	0.97994	0.99864	0.96042	0.97981
24	9	25.10116	26.27867	0.99850	0.94714	0.97285	0.99850	0.94669	0.97261	21.61943	22.32575	0.99864	0.96174	0.98050	0.99864	0.96148	0.98036
24	10	25.10116	26.21121	0.99850	0.94883	0.97375	0.99850	0.94836	0.97350	21.61943	22.28674	0.99864	0.96284	0.98107	0.99864	0.96256	0.98092
24	11	25.10116	26.14141	0.99850	0.95056	0.97465	0.99850	0.95006	0.97439	21.61943	22.24611	0.99864	0.96396	0.98165	0.99864	0.96366	0.98149
24	12	25.10116	26.06892	0.99850	0.95230	0.97557	0.99850	0.95177	0.97529	21.61943	22.20360	0.99864	0.96509	0.98224	0.99864	0.96478	0.98207
24	13	25.10116	25.99388	0.99850	0.95406	0.97649	0.99850	0.95350	0.97620	21.61943	22.15929	0.99864	0.96624	0.98283	0.99864	0.96591	0.98266
24	14	25.10116	25.91617	0.99850	0.95582	0.97741	0.99850	0.95524	0.97711	21.61943	22.11310	0.99864	0.96741	0.98343	0.99864	0.96706	0.98325
24	15	25.10116	25.83587	0.99850	0.95760	0.97834	0.99850	0.95698	0.97802	21.61943	22.06509	0.99864	0.96858	0.98404	0.99864	0.96821	0.98385
24	16	25.10116	25.75319	0.99850	0.95937	0.97926	0.99850	0.95872	0.97892	21.61943	22.01544	0.99864	0.96975	0.98464	0.99864	0.96937	0.98445
24	17	25.10116	25.66857	0.99850	0.96113	0.98018	0.99850	0.96045	0.97983	21.61943	21.96453	0.99864	0.97093	0.98525	0.99864	0.97053	0.98505
24	18	25.10116	25.58235	0.99850	0.96288	0.98109	0.99850	0.96218	0.98072	21.61943	21.91267	0.99864	0.97211	0.98586	0.99864	0.97169	0.98564
24	19	25.10116	25.49361	0.99850	0.96461	0.98199	0.99850	0.96388	0.98161	21.61943	21.85907	0.99864	0.97327	0.98646	0.99864	0.97284	0.98623
24	20	25.10116	25.40164	0.99850	0.96632	0.98287	0.99850	0.96556	0.98248	21.61943	21.80312	0.99864	0.97443	0.98705	0.99864	0.97398	0.98682
24	21	25.10116	25.30562	0.99850	0.96800	0.98374	0.99850	0.96721	0.98333	21.61943	21.74411	0.99864	0.97557	0.98764	0.99864	0.97510	0.98740
24	22	25.10116	25.20517	0.99850	0.96965	0.98459	0.99850	0.96882	0.98417	21.61943	21.68171	0.99864	0.97670	0.98821	0.99864	0.97621	0.98796
24	23	25.10116	25.09967	0.99850	0.97125	0.98542	0.99850	0.97040	0.98498	21.61943	21.61537	0.99864	0.97780	0.98878	0.99864	0.97730	0.98852
24	24	25.10116	24.98936	0.99850	0.97281	0.98622	0.99850	0.97193	0.98576	21.61943	21.54528	0.99864	0.97888	0.98933	0.99864	0.97835	0.98906
24	25	25.10116	24.87419	0.99850	0.97432	0.98700	0.99850	0.97341	0.98652	21.61943	21.47137	0.99864	0.97994	0.98987	0.99864	0.97938	0.98959
24	26	25.10116	24.75420	0.99850	0.97578	0.98774	0.99850	0.97483	0.98726	21.61943	21.39367	0.99864	0.98096	0.99039	0.99864	0.98038	0.99009
24	27	25.10116	24.62994	0.99850	0.97718	0.98846	0.99850	0.97620	0.98796	21.61943	21.31262	0.99864	0.98194	0.99089	0.99864	0.98135	0.99059
24	28	25.10116	24.50119	0.99850	0.97853	0.98915	0.99850	0.97752	0.98863	21.61943	21.22804	0.99864	0.98290	0.99137	0.99864	0.98228	0.99106
24	29	25.10116	24.36788	0.99850	0.97981	0.98980	0.99850	0.97877	0.98927	21.61943	21.13984	0.99864	0.98381	0.99184	0.99864	0.98317	0.99151
24	30	25.10116	24.23009	0.99850	0.98103	0.99042	0.99850	0.97997	0.98988	21.61943	21.04806	0.99864	0.98469	0.99228	0.99864	0.98402	0.99195
24	31	25.10116	24.08752	0.99850	0.98219	0.99101	0.99850	0.98110	0.99046	21.61943	20.95246	0.99864	0.98552	0.99271	0.99864	0.98484	0.99236
24	32	25.10116	23.94006	0.99850	0.98328	0.99157	0.99850	0.98217	0.99101	21.61943	20.85289	0.99864	0.98632	0.99311	0.99864	0.98562	0.99276
24	33	25.10116	23.78740	0.99850	0.98432	0.99210	0.99850	0.98319	0.99152	21.61943	20.74907	0.99864	0.98708	0.99350	0.99864	0.98636	0.99313
24	34	25.10116	23.62942	0.99850	0.98530	0.99259	0.99850	0.98415	0.99201	21.61943	20.64088	0.99864	0.98780	0.99386	0.99864	0.98706	0.99349
24	35	25.10116	23.46579	0.99850	0.98622	0.99306	0.99850	0.98505	0.99247	21.61943	20.52800	0.99864	0.98848	0.99421	0.99864	0.98773	0.99383
24	36	25.10116	23.29632	0.99850	0.98708	0.99350	0.99850	0.98590	0.99290	21.61943	20.41023	0.99864	0.98913	0.99454	0.99864	0.98836	0.99415
24	37	25.10116	23.12089	0.99850	0.98790	0.99391	0.99850	0.98670	0.99331	21.61943	20.28745	0.99864	0.98975	0.99485	0.99864	0.98896	0.99445

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
24	38	25.10116	22.93911	0.99850	0.98866	0.99430	0.99850	0.98745	0.99369	21.61943	20.15926	0.99864	0.99033	0.99514	0.99864	0.98953	0.99474		
24	39	25.10116	22.75087	0.99850	0.98938	0.99466	0.99850	0.98816	0.99404	21.61943	20.02555	0.99864	0.99088	0.99542	0.99864	0.99006	0.99501		
24	40	25.10116	22.55572	0.99850	0.99005	0.99500	0.99850	0.98882	0.99438	21.61943	19.88587	0.99864	0.99140	0.99568	0.99864	0.99057	0.99526		
24	41	25.10116	22.35340	0.99850	0.99069	0.99532	0.99850	0.98944	0.99469	21.61943	19.73995	0.99864	0.99189	0.99593	0.99864	0.99105	0.99550		
24	42	25.10116	22.14385	0.99850	0.99128	0.99562	0.99850	0.99003	0.99499	21.61943	19.58769	0.99864	0.99236	0.99616	0.99864	0.99150	0.99573		
24	43	25.10116	21.92669	0.99850	0.99184	0.99590	0.99850	0.99058	0.99527	21.61943	19.42870	0.99864	0.99280	0.99639	0.99864	0.99193	0.99595		
24	44	25.10116	21.70178	0.99850	0.99236	0.99617	0.99850	0.99110	0.99553	21.61943	19.26280	0.99864	0.99322	0.99660	0.99864	0.99234	0.99615		
24	45	25.10116	21.46876	0.99850	0.99285	0.99641	0.99850	0.99159	0.99578	21.61943	19.08963	0.99864	0.99361	0.99680	0.99864	0.99272	0.99635		
24	46	25.10116	21.22763	0.99850	0.99332	0.99665	0.99850	0.99205	0.99601	21.61943	18.90911	0.99864	0.99399	0.99699	0.99864	0.99309	0.99653		
24	47	25.10116	20.97813	0.99850	0.99375	0.99687	0.99850	0.99248	0.99622	21.61943	18.72094	0.99864	0.99434	0.99716	0.99864	0.99343	0.99670		
24	48	25.10116	20.72003	0.99850	0.99416	0.99707	0.99850	0.99289	0.99643	21.61943	18.52488	0.99864	0.99468	0.99733	0.99864	0.99376	0.99687		
24	49	25.10116	20.45326	0.99850	0.99455	0.99727	0.99850	0.99327	0.99662	21.61943	18.32076	0.99864	0.99500	0.99749	0.99864	0.99407	0.99703		
24	50	25.10116	20.17742	0.99850	0.99491	0.99745	0.99850	0.99364	0.99681	21.61943	18.10816	0.99864	0.99530	0.99765	0.99864	0.99437	0.99718		
24	51	25.10116	19.89339	0.99850	0.99525	0.99762	0.99850	0.99398	0.99698	21.61943	17.88781	0.99864	0.99559	0.99779	0.99864	0.99465	0.99732		
24	52	25.10116	19.60122	0.99850	0.99557	0.99778	0.99850	0.99430	0.99714	21.61943	17.65967	0.99864	0.99586	0.99793	0.99864	0.99492	0.99745		
24	53	25.10116	19.30125	0.99850	0.99587	0.99793	0.99850	0.99461	0.99730	21.61943	17.42398	0.99864	0.99612	0.99806	0.99864	0.99517	0.99758		
24	54	25.10116	18.99375	0.99850	0.99616	0.99808	0.99850	0.99490	0.99744	21.61943	17.18091	0.99864	0.99637	0.99818	0.99864	0.99541	0.99770		
24	55	25.10116	18.67912	0.99850	0.99642	0.99821	0.99850	0.99518	0.99758	21.61943	16.93076	0.99864	0.99660	0.99830	0.99864	0.99564	0.99782		
24	56	25.10116	18.35803	0.99850	0.99667	0.99833	0.99850	0.99544	0.99771	21.61943	16.67407	0.99864	0.99682	0.99841	0.99864	0.99586	0.99793		
24	57	25.10116	18.02853	0.99850	0.99691	0.99845	0.99850	0.99568	0.99784	21.61943	16.40902	0.99864	0.99703	0.99851	0.99864	0.99607	0.99803		
24	58	25.10116	17.69065	0.99850	0.99713	0.99856	0.99850	0.99592	0.99795	21.61943	16.13552	0.99864	0.99722	0.99861	0.99864	0.99627	0.99813		
24	59	25.10116	17.34441	0.99850	0.99734	0.99867	0.99850	0.99613	0.99806	21.61943	15.85354	0.99864	0.99741	0.99870	0.99864	0.99646	0.99822		
24	60	25.10116	16.98967	0.99850	0.99753	0.99876	0.99850	0.99634	0.99817	21.61943	15.56284	0.99864	0.99758	0.99879	0.99864	0.99663	0.99831		
24	61	25.10116	16.62627	0.99850	0.99771	0.99885	0.99850	0.99654	0.99827	21.61943	15.26320	0.99864	0.99775	0.99887	0.99864	0.99680	0.99840		
24	62	25.10116	16.25423	0.99850	0.99788	0.99894	0.99850	0.99672	0.99836	21.61943	14.95454	0.99864	0.99790	0.99895	0.99864	0.99696	0.99848		
24	63	25.10116	15.87341	0.99850	0.99804	0.99902	0.99850	0.99690	0.99845	21.61943	14.63664	0.99864	0.99805	0.99903	0.99864	0.99712	0.99856		
24	64	25.10116	15.48353	0.99850	0.99819	0.99910	0.99850	0.99706	0.99853	21.61943	14.30913	0.99864	0.99819	0.99910	0.99864	0.99726	0.99863		
24	65	25.10116	15.08480	0.99850	0.99833	0.99917	0.99850	0.99722	0.99861	21.61943	13.97213	0.99864	0.99832	0.99916	0.99864	0.99740	0.99870		
24	66	25.10116	14.67724	0.99850	0.99846	0.99923	0.99850	0.99737	0.99868	21.61943	13.62552	0.99864	0.99845	0.99922	0.99864	0.99753	0.99876		
24	67	25.10116	14.26104	0.99850	0.99859	0.99929	0.99850	0.99751	0.99875	21.61943	13.26940	0.99864	0.99856	0.99928	0.99864	0.99766	0.99883		
24	68	25.10116	13.83657	0.99850	0.99870	0.99935	0.99850	0.99764	0.99882	21.61943	12.90401	0.99864	0.99868	0.99934	0.99864	0.99778	0.99889		
24	69	25.10116	13.40435	0.99850	0.99881	0.99940	0.99850	0.99777	0.99888	21.61943	12.52973	0.99864	0.99878	0.99939	0.99864	0.99789	0.99895		
24	70	25.10116	12.96501	0.99850	0.99891	0.99946	0.99850	0.99789	0.99894	21.61943	12.14706	0.99864	0.99888	0.99944	0.99864	0.99800	0.99900		
24	71	25.10116	12.51927	0.99850	0.99901	0.99950	0.99850	0.99801	0.99900	21.61943	11.75658	0.99864	0.99897	0.99949	0.99864	0.99811	0.99905		
24	72	25.10116	12.06792	0.99850	0.99909	0.99955	0.99850	0.99812	0.99906	21.61943	11.35893	0.99864	0.99906	0.99953	0.99864	0.99821	0.99910		
24	73	25.10116	11.61185	0.99850	0.99918	0.99959	0.99850	0.99822	0.99911	21.61943	10.95491	0.99864	0.99914	0.99957	0.99864	0.99831	0.99915		
24	74	25.10116	11.15217	0.99850	0.99926	0.99963	0.99850	0.99832	0.99916	21.61943	10.54549	0.99864	0.99922	0.99961	0.99864	0.99840	0.99920		
24	75	25.10116	10.68986	0.99850	0.99933	0.99966	0.99850	0.99842	0.99921	21.61943	10.13154	0.99864	0.99929	0.99965	0.99864	0.99849	0.99924		
24	76	25.10116	10.22626	0.99850	0.99939	0.99970	0.99850	0.99851	0.99926	21.61943	9.71428	0.99864	0.99936	0.99968	0.99864	0.99858	0.99929		
24	77	25.10116	9.76277	0.99850	0.99946	0.99973	0.99850	0.99860	0.99930	21.61943	9.29502	0.99864	0.99942	0.99971	0.99864	0.99866	0.99933		
24	78	25.10116	9.30064	0.99850	0.99951	0.99976	0.99850	0.99869	0.99934	21.61943	8.87492	0.99864	0.99948	0.99974	0.99864	0.99874	0.99937		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
24	79	25.10116	8.84103	0.99850	0.99957	0.99978	0.99850	0.99877	0.99938	21.61943	8.45509	0.99864	0.99954	0.99977	0.99864	0.99882	0.99941
24	80	25.10116	8.38551	0.99850	0.99962	0.99981	0.99850	0.99885	0.99942	21.61943	8.03703	0.99864	0.99959	0.99979	0.99864	0.99889	0.99944
24	81	25.10116	7.93532	0.99850	0.99966	0.99983	0.99850	0.99892	0.99946	21.61943	7.62196	0.99864	0.99963	0.99982	0.99864	0.99896	0.99948
24	82	25.10116	7.49211	0.99850	0.99970	0.99985	0.99850	0.99899	0.99950	21.61943	7.21152	0.99864	0.99968	0.99984	0.99864	0.99903	0.99951
24	83	25.10116	7.05756	0.99850	0.99974	0.99987	0.99850	0.99906	0.99953	21.61943	6.80735	0.99864	0.99971	0.99986	0.99864	0.99909	0.99955
24	84	25.10116	6.63342	0.99850	0.99977	0.99988	0.99850	0.99913	0.99956	21.61943	6.41122	0.99864	0.99975	0.99987	0.99864	0.99915	0.99958
24	85	25.10116	6.22156	0.99850	0.99980	0.99990	0.99850	0.99919	0.99959	21.61943	6.02503	0.99864	0.99978	0.99989	0.99864	0.99921	0.99961
24	86	25.10116	5.82374	0.99850	0.99982	0.99991	0.99850	0.99924	0.99962	21.61943	5.65055	0.99864	0.99981	0.99990	0.99864	0.99927	0.99963
24	87	25.10116	5.44155	0.99850	0.99985	0.99992	0.99850	0.99930	0.99965	21.61943	5.28949	0.99864	0.99983	0.99992	0.99864	0.99932	0.99966
24	88	25.10116	5.07613	0.99850	0.99987	0.99993	0.99850	0.99935	0.99967	21.61943	4.94306	0.99864	0.99985	0.99993	0.99864	0.99936	0.99968
24	89	25.10116	4.72862	0.99850	0.99989	0.99994	0.99850	0.99940	0.99970	21.61943	4.61250	0.99864	0.99987	0.99994	0.99864	0.99941	0.99970
24	90	25.10116	4.40007	0.99850	0.99990	0.99995	0.99850	0.99944	0.99972	21.61943	4.29901	0.99864	0.99989	0.99995	0.99864	0.99945	0.99973
24	91	25.10116	4.09149	0.99850	0.99992	0.99996	0.99850	0.99948	0.99974	21.61943	4.00370	0.99864	0.99991	0.99995	0.99864	0.99949	0.99975
24	92	25.10116	3.80354	0.99850	0.99993	0.99996	0.99850	0.99952	0.99976	21.61943	3.72738	0.99864	0.99992	0.99996	0.99864	0.99953	0.99976
24	93	25.10116	3.53621	0.99850	0.99994	0.99997	0.99850	0.99955	0.99978	21.61943	3.47020	0.99864	0.99993	0.99996	0.99864	0.99956	0.99978
24	94	25.10116	3.28870	0.99850	0.99995	0.99997	0.99850	0.99958	0.99979	21.61943	3.23152	0.99864	0.99994	0.99997	0.99864	0.99959	0.99980
24	95	25.10116	3.05955	0.99850	0.99995	0.99998	0.99850	0.99961	0.99981	21.61943	3.01004	0.99864	0.99995	0.99997	0.99864	0.99962	0.99981
24	96	25.10116	2.84646	0.99850	0.99996	0.99998	0.99850	0.99964	0.99982	21.61943	2.80360	0.99864	0.99995	0.99998	0.99864	0.99965	0.99982
24	97	25.10116	2.65226	0.99850	0.99996	0.99998	0.99850	0.99966	0.99983	21.61943	2.61510	0.99864	0.99996	0.99998	0.99864	0.99967	0.99983
24	98	25.10116	2.47567	0.99850	0.99997	0.99998	0.99850	0.99969	0.99984	21.61943	2.44340	0.99864	0.99997	0.99998	0.99864	0.99969	0.99985
24	99	25.10116	2.31535	0.99850	0.99997	0.99999	0.99850	0.99971	0.99985	21.61943	2.28724	0.99864	0.99997	0.99998	0.99864	0.99971	0.99986
24	100	25.10116	2.16976	0.99850	0.99998	0.99999	0.99850	0.99973	0.99986	21.61943	2.14523	0.99864	0.99997	0.99999	0.99864	0.99973	0.99987
24	101	25.10116	2.03734	0.99850	0.99998	0.99999	0.99850	0.99974	0.99987	21.61943	2.01587	0.99864	0.99998	0.99999	0.99864	0.99975	0.99987
24	102	25.10116	1.91714	0.99850	0.99998	0.99999	0.99850	0.99976	0.99988	21.61943	1.89830	0.99864	0.99998	0.99999	0.99864	0.99976	0.99988
24	103	25.10116	1.80800	0.99850	0.99998	0.99999	0.99850	0.99977	0.99989	21.61943	1.79140	0.99864	0.99998	0.99999	0.99864	0.99978	0.99989
24	104	25.10116	1.70943	0.99850	0.99999	0.99999	0.99850	0.99979	0.99989	21.61943	1.69474	0.99864	0.99998	0.99999	0.99864	0.99979	0.99989
24	105	25.10116	1.62048	0.99850	0.99999	0.99999	0.99850	0.99980	0.99990	21.61943	1.60741	0.99864	0.99999	0.99999	0.99864	0.99980	0.99990
24	106	25.10116	1.54080	0.99850	0.99999	0.99999	0.99850	0.99981	0.99990	21.61943	1.52911	0.99864	0.99999	0.99999	0.99864	0.99981	0.99991
24	107	25.10116	1.47009	0.99850	0.99999	0.99999	0.99850	0.99982	0.99991	21.61943	1.45954	0.99864	0.99999	0.99999	0.99864	0.99982	0.99991
24	108	25.10116	1.40861	0.99850	0.99999	1.00000	0.99850	0.99983	0.99991	21.61943	1.39898	0.99864	0.99999	0.99999	0.99864	0.99983	0.99991
24	109	25.10116	1.35764	0.99850	0.99999	1.00000	0.99850	0.99983	0.99992	21.61943	1.34871	0.99864	0.99999	0.99999	0.99864	0.99983	0.99992
24	110	25.10116	1.32125	0.99850	0.99999	1.00000	0.99850	0.99984	0.99992	21.61943	1.31279	0.99864	0.99999	1.00000	0.99864	0.99984	0.99992
25	1	24.98948	26.72925	0.99839	0.93075	0.96413	0.99839	0.93044	0.96396	21.54823	22.57586	0.99854	0.95088	0.97482	0.99854	0.95070	0.97473
25	2	24.98948	26.68154	0.99839	0.93218	0.96490	0.99839	0.93186	0.96473	21.54823	22.55058	0.99854	0.95177	0.97529	0.99854	0.95158	0.97519
25	3	24.98948	26.63112	0.99839	0.93365	0.96569	0.99839	0.93332	0.96551	21.54823	22.52338	0.99854	0.95270	0.97577	0.99854	0.95250	0.97567
25	4	24.98948	26.57806	0.99839	0.93517	0.96650	0.99839	0.93482	0.96631	21.54823	22.49433	0.99854	0.95365	0.97627	0.99854	0.95344	0.97617
25	5	24.98948	26.52283	0.99839	0.93672	0.96733	0.99839	0.93636	0.96713	21.54823	22.46379	0.99854	0.95463	0.97679	0.99854	0.95441	0.97668
25	6	24.98948	26.46539	0.99839	0.93832	0.96818	0.99839	0.93793	0.96797	21.54823	22.43176	0.99854	0.95565	0.97732	0.99854	0.95542	0.97720
25	7	24.98948	26.40551	0.99839	0.93996	0.96905	0.99839	0.93955	0.96883	21.54823	22.39806	0.99854	0.95669	0.97787	0.99854	0.95645	0.97774
25	8	24.98948	26.34335	0.99839	0.94163	0.96994	0.99839	0.94119	0.96971	21.54823	22.36278	0.99854	0.95776	0.97842	0.99854	0.95750	0.97829
25	9	24.98948	26.27867	0.99839	0.94333	0.97084	0.99839	0.94287	0.97060	21.54823	22.32575	0.99854	0.95886	0.97900	0.99854	0.95859	0.97886

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
25	10	24.98948	26.21121	0.99839	0.94507	0.97176	0.99839	0.94458	0.97150	21.54823	22.28674	0.99854	0.95998	0.97958	0.99854	0.95970	0.97943
25	11	24.98948	26.14141	0.99839	0.94683	0.97269	0.99839	0.94632	0.97242	21.54823	22.24611	0.99854	0.96113	0.98018	0.99854	0.96083	0.98002
25	12	24.98948	26.06892	0.99839	0.94862	0.97363	0.99839	0.94808	0.97335	21.54823	22.20360	0.99854	0.96230	0.98079	0.99854	0.96198	0.98062
25	13	24.98948	25.99388	0.99839	0.95043	0.97459	0.99839	0.94986	0.97429	21.54823	22.15929	0.99854	0.96349	0.98141	0.99854	0.96315	0.98123
25	14	24.98948	25.91617	0.99839	0.95226	0.97554	0.99839	0.95165	0.97523	21.54823	22.11310	0.99854	0.96470	0.98203	0.99854	0.96434	0.98185
25	15	24.98948	25.83587	0.99839	0.95409	0.97651	0.99839	0.95346	0.97618	21.54823	22.06509	0.99854	0.96591	0.98266	0.99854	0.96554	0.98247
25	16	24.98948	25.75319	0.99839	0.95593	0.97747	0.99839	0.95527	0.97712	21.54823	22.01544	0.99854	0.96714	0.98330	0.99854	0.96674	0.98309
25	17	24.98948	25.66857	0.99839	0.95777	0.97843	0.99839	0.95708	0.97807	21.54823	21.96453	0.99854	0.96837	0.98393	0.99854	0.96796	0.98372
25	18	24.98948	25.58235	0.99839	0.95960	0.97939	0.99839	0.95888	0.97901	21.54823	21.91267	0.99854	0.96960	0.98457	0.99854	0.96917	0.98434
25	19	24.98948	25.49361	0.99839	0.96142	0.98033	0.99839	0.96067	0.97994	21.54823	21.85907	0.99854	0.97083	0.98520	0.99854	0.97038	0.98497
25	20	24.98948	25.40164	0.99839	0.96323	0.98127	0.99839	0.96244	0.98086	21.54823	21.80312	0.99854	0.97206	0.98583	0.99854	0.97159	0.98559
25	21	24.98948	25.30562	0.99839	0.96500	0.98219	0.99839	0.96419	0.98177	21.54823	21.74411	0.99854	0.97327	0.98645	0.99854	0.97278	0.98620
25	22	24.98948	25.20517	0.99839	0.96675	0.98309	0.99839	0.96590	0.98266	21.54823	21.68171	0.99854	0.97447	0.98707	0.99854	0.97396	0.98681
25	23	24.98948	25.09967	0.99839	0.96847	0.98398	0.99839	0.96758	0.98352	21.54823	21.61537	0.99854	0.97565	0.98767	0.99854	0.97512	0.98740
25	24	24.98948	24.98936	0.99839	0.97014	0.98484	0.99839	0.96922	0.98437	21.54823	21.54528	0.99854	0.97681	0.98827	0.99854	0.97626	0.98798
25	25	24.98948	24.87419	0.99839	0.97176	0.98568	0.99839	0.97081	0.98519	21.54823	21.47137	0.99854	0.97794	0.98885	0.99854	0.97736	0.98855
25	26	24.98948	24.75420	0.99839	0.97334	0.98649	0.99839	0.97235	0.98598	21.54823	21.39367	0.99854	0.97905	0.98941	0.99854	0.97844	0.98910
25	27	24.98948	24.62994	0.99839	0.97486	0.98727	0.99839	0.97383	0.98674	21.54823	21.31262	0.99854	0.98012	0.98996	0.99854	0.97949	0.98964
25	28	24.98948	24.50119	0.99839	0.97632	0.98802	0.99839	0.97526	0.98747	21.54823	21.22804	0.99854	0.98115	0.99049	0.99854	0.98050	0.99015
25	29	24.98948	24.36788	0.99839	0.97771	0.98873	0.99839	0.97662	0.98817	21.54823	21.13984	0.99854	0.98215	0.99099	0.99854	0.98147	0.99065
25	30	24.98948	24.23009	0.99839	0.97905	0.98941	0.99839	0.97793	0.98884	21.54823	21.04806	0.99854	0.98311	0.99148	0.99854	0.98241	0.99113
25	31	24.98948	24.08752	0.99839	0.98032	0.99006	0.99839	0.97917	0.98948	21.54823	20.95246	0.99854	0.98403	0.99195	0.99854	0.98331	0.99158
25	32	24.98948	23.94006	0.99839	0.98152	0.99068	0.99839	0.98035	0.99008	21.54823	20.85289	0.99854	0.98490	0.99239	0.99854	0.98416	0.99202
25	33	24.98948	23.78740	0.99839	0.98267	0.99126	0.99839	0.98147	0.99065	21.54823	20.74907	0.99854	0.98574	0.99282	0.99854	0.98498	0.99243
25	34	24.98948	23.62942	0.99839	0.98375	0.99181	0.99839	0.98253	0.99119	21.54823	20.64088	0.99854	0.98654	0.99322	0.99854	0.98575	0.99283
25	35	24.98948	23.46579	0.99839	0.98477	0.99232	0.99839	0.98353	0.99169	21.54823	20.52800	0.99854	0.98730	0.99361	0.99854	0.98649	0.99320
25	36	24.98948	23.29632	0.99839	0.98573	0.99281	0.99839	0.98447	0.99217	21.54823	20.41023	0.99854	0.98801	0.99397	0.99854	0.98719	0.99355
25	37	24.98948	23.12089	0.99839	0.98663	0.99327	0.99839	0.98535	0.99262	21.54823	20.28745	0.99854	0.98869	0.99432	0.99854	0.98785	0.99389
25	38	24.98948	22.93911	0.99839	0.98748	0.99370	0.99839	0.98619	0.99304	21.54823	20.15926	0.99854	0.98934	0.99464	0.99854	0.98848	0.99421
25	39	24.98948	22.75087	0.99839	0.98828	0.99410	0.99839	0.98697	0.99344	21.54823	20.02555	0.99854	0.98995	0.99495	0.99854	0.98908	0.99451
25	40	24.98948	22.55572	0.99839	0.98902	0.99448	0.99839	0.98770	0.99381	21.54823	19.88587	0.99854	0.99053	0.99524	0.99854	0.98964	0.99479
25	41	24.98948	22.35340	0.99839	0.98973	0.99484	0.99839	0.98840	0.99416	21.54823	19.73995	0.99854	0.99107	0.99552	0.99854	0.99017	0.99506
25	42	24.98948	22.14385	0.99839	0.99039	0.99517	0.99839	0.98905	0.99449	21.54823	19.58769	0.99854	0.99159	0.99578	0.99854	0.99067	0.99531
25	43	24.98948	21.92669	0.99839	0.99101	0.99548	0.99839	0.98966	0.99480	21.54823	19.42870	0.99854	0.99208	0.99602	0.99854	0.99115	0.99555
25	44	24.98948	21.70178	0.99839	0.99159	0.99578	0.99839	0.99023	0.99509	21.54823	19.26280	0.99854	0.99254	0.99626	0.99854	0.99160	0.99578
25	45	24.98948	21.46876	0.99839	0.99213	0.99605	0.99839	0.99077	0.99536	21.54823	19.08963	0.99854	0.99298	0.99648	0.99854	0.99202	0.99600
25	46	24.98948	21.22763	0.99839	0.99265	0.99631	0.99839	0.99128	0.99562	21.54823	18.90911	0.99854	0.99340	0.99669	0.99854	0.99243	0.99620
25	47	24.98948	20.97813	0.99839	0.99313	0.99655	0.99839	0.99176	0.99586	21.54823	18.72094	0.99854	0.99379	0.99689	0.99854	0.99281	0.99639
25	48	24.98948	20.72003	0.99839	0.99358	0.99678	0.99839	0.99221	0.99609	21.54823	18.52488	0.99854	0.99416	0.99707	0.99854	0.99317	0.99657
25	49	24.98948	20.45326	0.99839	0.99401	0.99700	0.99839	0.99264	0.99630	21.54823	18.32076	0.99854	0.99452	0.99725	0.99854	0.99352	0.99675
25	50	24.98948	20.17742	0.99839	0.99441	0.99720	0.99839	0.99304	0.99651	21.54823	18.10816	0.99854	0.99485	0.99742	0.99854	0.99384	0.99691

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
25	51	24.98948	19.89339	0.99839	0.99479	0.99739	0.99839	0.99342	0.99670	21.54823	17.88781	0.99854	0.99517	0.99758	0.99854	0.99416	0.99707
25	52	24.98948	19.60122	0.99839	0.99514	0.99757	0.99839	0.99378	0.99688	21.54823	17.65967	0.99854	0.99547	0.99773	0.99854	0.99445	0.99722
25	53	24.98948	19.30125	0.99839	0.99548	0.99773	0.99839	0.99412	0.99705	21.54823	17.42398	0.99854	0.99576	0.99787	0.99854	0.99473	0.99736
25	54	24.98948	18.99375	0.99839	0.99579	0.99789	0.99839	0.99444	0.99721	21.54823	17.18091	0.99854	0.99603	0.99801	0.99854	0.99500	0.99749
25	55	24.98948	18.67912	0.99839	0.99608	0.99804	0.99839	0.99474	0.99736	21.54823	16.93076	0.99854	0.99628	0.99814	0.99854	0.99525	0.99762
25	56	24.98948	18.35803	0.99839	0.99636	0.99818	0.99839	0.99503	0.99751	21.54823	16.67407	0.99854	0.99653	0.99826	0.99854	0.99549	0.99774
25	57	24.98948	18.02853	0.99839	0.99662	0.99831	0.99839	0.99530	0.99764	21.54823	16.40902	0.99854	0.99675	0.99837	0.99854	0.99572	0.99786
25	58	24.98948	17.69065	0.99839	0.99686	0.99843	0.99839	0.99555	0.99777	21.54823	16.13552	0.99854	0.99697	0.99848	0.99854	0.99594	0.99797
25	59	24.98948	17.34441	0.99839	0.99709	0.99854	0.99839	0.99580	0.99789	21.54823	15.85354	0.99854	0.99717	0.99859	0.99854	0.99615	0.99807
25	60	24.98948	16.98967	0.99839	0.99730	0.99865	0.99839	0.99603	0.99801	21.54823	15.56284	0.99854	0.99737	0.99868	0.99854	0.99635	0.99817
25	61	24.98948	16.62627	0.99839	0.99751	0.99875	0.99839	0.99624	0.99812	21.54823	15.26320	0.99854	0.99755	0.99877	0.99854	0.99653	0.99826
25	62	24.98948	16.25423	0.99839	0.99769	0.99885	0.99839	0.99645	0.99822	21.54823	14.95454	0.99854	0.99772	0.99886	0.99854	0.99671	0.99835
25	63	24.98948	15.87341	0.99839	0.99787	0.99893	0.99839	0.99664	0.99832	21.54823	14.63664	0.99854	0.99788	0.99894	0.99854	0.99688	0.99844
25	64	24.98948	15.48353	0.99839	0.99803	0.99902	0.99839	0.99682	0.99841	21.54823	14.30913	0.99854	0.99804	0.99902	0.99854	0.99704	0.99852
25	65	24.98948	15.08480	0.99839	0.99819	0.99909	0.99839	0.99699	0.99849	21.54823	13.97213	0.99854	0.99818	0.99909	0.99854	0.99719	0.99859
25	66	24.98948	14.67724	0.99839	0.99833	0.99917	0.99839	0.99715	0.99858	21.54823	13.62552	0.99854	0.99832	0.99916	0.99854	0.99733	0.99867
25	67	24.98948	14.26104	0.99839	0.99847	0.99923	0.99839	0.99731	0.99865	21.54823	13.26940	0.99854	0.99845	0.99922	0.99854	0.99747	0.99873
25	68	24.98948	13.83657	0.99839	0.99859	0.99930	0.99839	0.99745	0.99873	21.54823	12.90401	0.99854	0.99857	0.99928	0.99854	0.99760	0.99880
25	69	24.98948	13.40435	0.99839	0.99871	0.99935	0.99839	0.99759	0.99880	21.54823	12.52973	0.99854	0.99868	0.99934	0.99854	0.99773	0.99886
25	70	24.98948	12.96501	0.99839	0.99882	0.99941	0.99839	0.99773	0.99886	21.54823	12.14706	0.99854	0.99879	0.99939	0.99854	0.99785	0.99892
25	71	24.98948	12.51927	0.99839	0.99892	0.99946	0.99839	0.99785	0.99892	21.54823	11.75658	0.99854	0.99889	0.99944	0.99854	0.99796	0.99898
25	72	24.98948	12.06792	0.99839	0.99902	0.99951	0.99839	0.99797	0.99898	21.54823	11.35893	0.99854	0.99898	0.99949	0.99854	0.99807	0.99903
25	73	24.98948	11.61185	0.99839	0.99911	0.99956	0.99839	0.99808	0.99904	21.54823	10.95491	0.99854	0.99907	0.99954	0.99854	0.99818	0.99909
25	74	24.98948	11.15217	0.99839	0.99919	0.99960	0.99839	0.99819	0.99910	21.54823	10.54549	0.99854	0.99916	0.99958	0.99854	0.99828	0.99914
25	75	24.98948	10.68986	0.99839	0.99927	0.99964	0.99839	0.99830	0.99915	21.54823	10.13154	0.99854	0.99924	0.99962	0.99854	0.99837	0.99919
25	76	24.98948	10.22626	0.99839	0.99935	0.99967	0.99839	0.99840	0.99920	21.54823	9.71428	0.99854	0.99931	0.99965	0.99854	0.99847	0.99923
25	77	24.98948	9.76277	0.99839	0.99941	0.99971	0.99839	0.99850	0.99925	21.54823	9.29502	0.99854	0.99938	0.99969	0.99854	0.99856	0.99928
25	78	24.98948	9.30064	0.99839	0.99947	0.99974	0.99839	0.99859	0.99929	21.54823	8.87492	0.99854	0.99944	0.99972	0.99854	0.99864	0.99932
25	79	24.98948	8.84103	0.99839	0.99953	0.99977	0.99839	0.99868	0.99934	21.54823	8.45509	0.99854	0.99950	0.99975	0.99854	0.99873	0.99936
25	80	24.98948	8.38551	0.99839	0.99958	0.99979	0.99839	0.99876	0.99938	21.54823	8.03703	0.99854	0.99955	0.99978	0.99854	0.99880	0.99940
25	81	24.98948	7.93532	0.99839	0.99963	0.99982	0.99839	0.99884	0.99942	21.54823	7.62196	0.99854	0.99960	0.99980	0.99854	0.99888	0.99944
25	82	24.98948	7.49211	0.99839	0.99968	0.99984	0.99839	0.99892	0.99946	21.54823	7.21152	0.99854	0.99965	0.99982	0.99854	0.99895	0.99948
25	83	24.98948	7.05756	0.99839	0.99972	0.99986	0.99839	0.99899	0.99950	21.54823	6.80735	0.99854	0.99969	0.99985	0.99854	0.99902	0.99951
25	84	24.98948	6.63342	0.99839	0.99975	0.99988	0.99839	0.99906	0.99953	21.54823	6.41122	0.99854	0.99973	0.99986	0.99854	0.99909	0.99954
25	85	24.98948	6.22156	0.99839	0.99978	0.99989	0.99839	0.99913	0.99956	21.54823	6.02503	0.99854	0.99976	0.99988	0.99854	0.99915	0.99958
25	86	24.98948	5.82374	0.99839	0.99981	0.99991	0.99839	0.99919	0.99959	21.54823	5.65055	0.99854	0.99979	0.99990	0.99854	0.99921	0.99961
25	87	24.98948	5.44155	0.99839	0.99984	0.99992	0.99839	0.99925	0.99962	21.54823	5.28949	0.99854	0.99982	0.99991	0.99854	0.99927	0.99963
25	88	24.98948	5.07613	0.99839	0.99986	0.99993	0.99839	0.99930	0.99965	21.54823	4.94306	0.99854	0.99984	0.99992	0.99854	0.99932	0.99966
25	89	24.98948	4.72862	0.99839	0.99988	0.99994	0.99839	0.99935	0.99968	21.54823	4.61250	0.99854	0.99986	0.99993	0.99854	0.99937	0.99968
25	90	24.98948	4.40007	0.99839	0.99989	0.99995	0.99839	0.99940	0.99970	21.54823	4.29901	0.99854	0.99988	0.99994	0.99854	0.99941	0.99971
25	91	24.98948	4.09149	0.99839	0.99991	0.99995	0.99839	0.99944	0.99972	21.54823	4.00370	0.99854	0.99990	0.99995	0.99854	0.99946	0.99973

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
25	92	24.98948	3.80354	0.99839	0.99992	0.99996	0.99839	0.99948	0.99974	21.54823	3.72738	0.99854	0.99991	0.99996	0.99854	0.99949	0.99975
25	93	24.98948	3.53621	0.99839	0.99993	0.99997	0.99839	0.99952	0.99976	21.54823	3.47020	0.99854	0.99992	0.99996	0.99854	0.99953	0.99977
25	94	24.98948	3.28870	0.99839	0.99994	0.99997	0.99839	0.99956	0.99978	21.54823	3.23152	0.99854	0.99993	0.99997	0.99854	0.99957	0.99978
25	95	24.98948	3.05955	0.99839	0.99995	0.99997	0.99839	0.99959	0.99979	21.54823	3.01004	0.99854	0.99994	0.99997	0.99854	0.99960	0.99980
25	96	24.98948	2.84646	0.99839	0.99996	0.99998	0.99839	0.99962	0.99981	21.54823	2.80360	0.99854	0.99995	0.99998	0.99854	0.99962	0.99981
25	97	24.98948	2.65226	0.99839	0.99996	0.99998	0.99839	0.99965	0.99982	21.54823	2.61510	0.99854	0.99996	0.99998	0.99854	0.99965	0.99983
25	98	24.98948	2.47567	0.99839	0.99997	0.99998	0.99839	0.99967	0.99983	21.54823	2.44340	0.99854	0.99996	0.99998	0.99854	0.99968	0.99984
25	99	24.98948	2.31535	0.99839	0.99997	0.99999	0.99839	0.99969	0.99985	21.54823	2.28724	0.99854	0.99997	0.99998	0.99854	0.99970	0.99985
25	100	24.98948	2.16976	0.99839	0.99998	0.99999	0.99839	0.99971	0.99986	21.54823	2.14523	0.99854	0.99997	0.99999	0.99854	0.99972	0.99986
25	101	24.98948	2.03734	0.99839	0.99998	0.99999	0.99839	0.99973	0.99987	21.54823	2.01587	0.99854	0.99998	0.99999	0.99854	0.99974	0.99987
25	102	24.98948	1.91714	0.99839	0.99998	0.99999	0.99839	0.99975	0.99987	21.54823	1.89830	0.99854	0.99998	0.99999	0.99854	0.99975	0.99988
25	103	24.98948	1.80800	0.99839	0.99998	0.99999	0.99839	0.99976	0.99988	21.54823	1.79140	0.99854	0.99998	0.99999	0.99854	0.99977	0.99988
25	104	24.98948	1.70943	0.99839	0.99998	0.99999	0.99839	0.99978	0.99989	21.54823	1.69474	0.99854	0.99998	0.99999	0.99854	0.99978	0.99989
25	105	24.98948	1.62048	0.99839	0.99999	0.99999	0.99839	0.99979	0.99990	21.54823	1.60741	0.99854	0.99998	0.99999	0.99854	0.99979	0.99990
25	106	24.98948	1.54080	0.99839	0.99999	0.99999	0.99839	0.99980	0.99990	21.54823	1.52911	0.99854	0.99999	0.99999	0.99854	0.99980	0.99990
25	107	24.98948	1.47009	0.99839	0.99999	0.99999	0.99839	0.99981	0.99991	21.54823	1.45954	0.99854	0.99999	0.99999	0.99854	0.99981	0.99991
25	108	24.98948	1.40861	0.99839	0.99999	0.99999	0.99839	0.99982	0.99991	21.54823	1.39898	0.99854	0.99999	0.99999	0.99854	0.99982	0.99991
25	109	24.98948	1.35764	0.99839	0.99999	1.00000	0.99839	0.99983	0.99991	21.54823	1.34871	0.99854	0.99999	0.99999	0.99854	0.99983	0.99991
25	110	24.98948	1.32125	0.99839	0.99999	1.00000	0.99839	0.99983	0.99991	21.54823	1.31279	0.99854	0.99999	0.99999	0.99854	0.99983	0.99992
26	1	24.87330	26.72925	0.99826	0.92659	0.96190	0.99826	0.92627	0.96173	21.47352	22.57586	0.99841	0.94771	0.97315	0.99841	0.94752	0.97305
26	2	24.87330	26.68154	0.99826	0.92803	0.96267	0.99826	0.92770	0.96250	21.47352	22.55058	0.99841	0.94861	0.97363	0.99841	0.94841	0.97352
26	3	24.87330	26.63112	0.99826	0.92952	0.96347	0.99826	0.92918	0.96329	21.47352	22.52338	0.99841	0.94954	0.97412	0.99841	0.94934	0.97401
26	4	24.87330	26.57806	0.99826	0.93105	0.96429	0.99826	0.93069	0.96410	21.47352	22.49433	0.99841	0.95051	0.97462	0.99841	0.95029	0.97451
26	5	24.87330	26.52283	0.99826	0.93262	0.96514	0.99826	0.93225	0.96494	21.47352	22.46379	0.99841	0.95150	0.97515	0.99841	0.95128	0.97503
26	6	24.87330	26.46539	0.99826	0.93424	0.96600	0.99826	0.93384	0.96579	21.47352	22.43176	0.99841	0.95253	0.97569	0.99841	0.95230	0.97556
26	7	24.87330	26.40551	0.99826	0.93590	0.96689	0.99826	0.93548	0.96666	21.47352	22.39806	0.99841	0.95359	0.97625	0.99841	0.95334	0.97611
26	8	24.87330	26.34335	0.99826	0.93759	0.96779	0.99826	0.93715	0.96756	21.47352	22.36278	0.99841	0.95468	0.97682	0.99841	0.95442	0.97668
26	9	24.87330	26.27867	0.99826	0.93933	0.96871	0.99826	0.93886	0.96847	21.47352	22.32575	0.99841	0.95581	0.97740	0.99841	0.95553	0.97726
26	10	24.87330	26.21121	0.99826	0.94110	0.96966	0.99826	0.94061	0.96939	21.47352	22.28674	0.99841	0.95696	0.97800	0.99841	0.95666	0.97785
26	11	24.87330	26.14141	0.99826	0.94290	0.97061	0.99826	0.94238	0.97034	21.47352	22.24611	0.99841	0.95813	0.97862	0.99841	0.95782	0.97846
26	12	24.87330	26.06892	0.99826	0.94473	0.97158	0.99826	0.94418	0.97129	21.47352	22.20360	0.99841	0.95934	0.97925	0.99841	0.95901	0.97907
26	13	24.87330	25.99388	0.99826	0.94659	0.97256	0.99826	0.94601	0.97226	21.47352	22.15929	0.99841	0.96056	0.97988	0.99841	0.96021	0.97970
26	14	24.87330	25.91617	0.99826	0.94847	0.97355	0.99826	0.94786	0.97323	21.47352	22.11310	0.99841	0.96180	0.98053	0.99841	0.96144	0.98034
26	15	24.87330	25.83587	0.99826	0.95037	0.97455	0.99826	0.94972	0.97421	21.47352	22.06509	0.99841	0.96306	0.98118	0.99841	0.96268	0.98098
26	16	24.87330	25.75319	0.99826	0.95228	0.97555	0.99826	0.95160	0.97520	21.47352	22.01544	0.99841	0.96434	0.98185	0.99841	0.96393	0.98163
26	17	24.87330	25.66857	0.99826	0.95419	0.97656	0.99826	0.95348	0.97618	21.47352	21.96453	0.99841	0.96562	0.98251	0.99841	0.96519	0.98229
26	18	24.87330	25.58235	0.99826	0.95610	0.97756	0.99826	0.95535	0.97717	21.47352	21.91267	0.99841	0.96691	0.98318	0.99841	0.96646	0.98295
26	19	24.87330	25.49361	0.99826	0.95800	0.97855	0.99826	0.95723	0.97815	21.47352	21.85907	0.99841	0.96820	0.98384	0.99841	0.96773	0.98360
26	20	24.87330	25.40164	0.99826	0.95989	0.97954	0.99826	0.95909	0.97912	21.47352	21.80312	0.99841	0.96949	0.98451	0.99841	0.96900	0.98426
26	21	24.87330	25.30562	0.99826	0.96177	0.98051	0.99826	0.96093	0.98007	21.47352	21.74411	0.99841	0.97077	0.98517	0.99841	0.97026	0.98491
26	22	24.87330	25.20517	0.99826	0.96362	0.98147	0.99826	0.96274	0.98102	21.47352	21.68171	0.99841	0.97204	0.98582	0.99841	0.97151	0.98555

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Table with columns: Retiree Age, Beneficiary Age, Retiree Annuity Value, Beneficiary Annuity Value, Option 1 Factor, Option 2 Factor, Option 3 Factor, Option 4 Factor, Option 5 Factor, Option 6 Factor, Retiree Annuity Value, Beneficiary Annuity Value, Option 1 Factor, Option 2 Factor, Option 3 Factor, Option 4 Factor, Option 5 Factor, Option 6 Factor. Rows show data for ages 26 to 63.

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
26	64	24.87330	15.48353	0.99826	0.99785	0.99892	0.99826	0.99654	0.99827	21.47352	14.30913	0.99841	0.99786	0.99893	0.99841	0.99678	0.99838
26	65	24.87330	15.08480	0.99826	0.99802	0.99901	0.99826	0.99673	0.99836	21.47352	13.97213	0.99841	0.99801	0.99901	0.99841	0.99694	0.99847
26	66	24.87330	14.67724	0.99826	0.99818	0.99909	0.99826	0.99691	0.99845	21.47352	13.62552	0.99841	0.99816	0.99908	0.99841	0.99710	0.99855
26	67	24.87330	14.26104	0.99826	0.99833	0.99916	0.99826	0.99707	0.99854	21.47352	13.26940	0.99841	0.99830	0.99915	0.99841	0.99725	0.99862
26	68	24.87330	13.83657	0.99826	0.99846	0.99923	0.99826	0.99723	0.99862	21.47352	12.90401	0.99841	0.99844	0.99922	0.99841	0.99740	0.99870
26	69	24.87330	13.40435	0.99826	0.99859	0.99930	0.99826	0.99739	0.99869	21.47352	12.52973	0.99841	0.99856	0.99928	0.99841	0.99753	0.99876
26	70	24.87330	12.96501	0.99826	0.99871	0.99936	0.99826	0.99753	0.99876	21.47352	12.14706	0.99841	0.99868	0.99934	0.99841	0.99766	0.99883
26	71	24.87330	12.51927	0.99826	0.99883	0.99941	0.99826	0.99767	0.99883	21.47352	11.75658	0.99841	0.99879	0.99939	0.99841	0.99779	0.99889
26	72	24.87330	12.06792	0.99826	0.99893	0.99947	0.99826	0.99780	0.99890	21.47352	11.35893	0.99841	0.99889	0.99945	0.99841	0.99791	0.99895
26	73	24.87330	11.61185	0.99826	0.99903	0.99951	0.99826	0.99792	0.99896	21.47352	10.95491	0.99841	0.99899	0.99949	0.99841	0.99802	0.99901
26	74	24.87330	11.15217	0.99826	0.99912	0.99956	0.99826	0.99804	0.99902	21.47352	10.54549	0.99841	0.99908	0.99954	0.99841	0.99813	0.99906
26	75	24.87330	10.68986	0.99826	0.99921	0.99960	0.99826	0.99815	0.99908	21.47352	10.13154	0.99841	0.99917	0.99958	0.99841	0.99823	0.99912
26	76	24.87330	10.22626	0.99826	0.99929	0.99964	0.99826	0.99826	0.99913	21.47352	9.71428	0.99841	0.99925	0.99962	0.99841	0.99833	0.99917
26	77	24.87330	9.76277	0.99826	0.99936	0.99968	0.99826	0.99836	0.99918	21.47352	9.29502	0.99841	0.99932	0.99966	0.99841	0.99843	0.99921
26	78	24.87330	9.30064	0.99826	0.99943	0.99971	0.99826	0.99846	0.99923	21.47352	8.87492	0.99841	0.99939	0.99969	0.99841	0.99852	0.99926
26	79	24.87330	8.84103	0.99826	0.99949	0.99974	0.99826	0.99856	0.99928	21.47352	8.45509	0.99841	0.99945	0.99973	0.99841	0.99861	0.99931
26	80	24.87330	8.38551	0.99826	0.99954	0.99977	0.99826	0.99865	0.99932	21.47352	8.03703	0.99841	0.99951	0.99976	0.99841	0.99870	0.99935
26	81	24.87330	7.93532	0.99826	0.99960	0.99980	0.99826	0.99874	0.99937	21.47352	7.62196	0.99841	0.99957	0.99978	0.99841	0.99878	0.99939
26	82	24.87330	7.49211	0.99826	0.99964	0.99982	0.99826	0.99882	0.99941	21.47352	7.21152	0.99841	0.99962	0.99981	0.99841	0.99886	0.99943
26	83	24.87330	7.05756	0.99826	0.99969	0.99984	0.99826	0.99890	0.99945	21.47352	6.80735	0.99841	0.99966	0.99983	0.99841	0.99893	0.99947
26	84	24.87330	6.63342	0.99826	0.99973	0.99986	0.99826	0.99897	0.99949	21.47352	6.41122	0.99841	0.99970	0.99985	0.99841	0.99900	0.99950
26	85	24.87330	6.22156	0.99826	0.99976	0.99988	0.99826	0.99904	0.99952	21.47352	6.02503	0.99841	0.99974	0.99987	0.99841	0.99907	0.99954
26	86	24.87330	5.82374	0.99826	0.99979	0.99990	0.99826	0.99911	0.99956	21.47352	5.65055	0.99841	0.99977	0.99989	0.99841	0.99914	0.99957
26	87	24.87330	5.44155	0.99826	0.99982	0.99991	0.99826	0.99917	0.99959	21.47352	5.28949	0.99841	0.99980	0.99990	0.99841	0.99920	0.99960
26	88	24.87330	5.07613	0.99826	0.99984	0.99992	0.99826	0.99923	0.99962	21.47352	4.94306	0.99841	0.99983	0.99991	0.99841	0.99925	0.99963
26	89	24.87330	4.72862	0.99826	0.99986	0.99993	0.99826	0.99929	0.99964	21.47352	4.61250	0.99841	0.99985	0.99993	0.99841	0.99931	0.99965
26	90	24.87330	4.40007	0.99826	0.99988	0.99994	0.99826	0.99934	0.99967	21.47352	4.29901	0.99841	0.99987	0.99994	0.99841	0.99936	0.99968
26	91	24.87330	4.09149	0.99826	0.99990	0.99995	0.99826	0.99939	0.99969	21.47352	4.00370	0.99841	0.99989	0.99994	0.99841	0.99940	0.99970
26	92	24.87330	3.80354	0.99826	0.99991	0.99996	0.99826	0.99943	0.99972	21.47352	3.72738	0.99841	0.99990	0.99995	0.99841	0.99945	0.99972
26	93	24.87330	3.53621	0.99826	0.99993	0.99996	0.99826	0.99947	0.99974	21.47352	3.47020	0.99841	0.99992	0.99996	0.99841	0.99949	0.99974
26	94	24.87330	3.28870	0.99826	0.99994	0.99997	0.99826	0.99951	0.99976	21.47352	3.23152	0.99841	0.99993	0.99996	0.99841	0.99952	0.99976
26	95	24.87330	3.05955	0.99826	0.99994	0.99997	0.99826	0.99955	0.99977	21.47352	3.01004	0.99841	0.99994	0.99997	0.99841	0.99956	0.99978
26	96	24.87330	2.84646	0.99826	0.99995	0.99998	0.99826	0.99958	0.99979	21.47352	2.80360	0.99841	0.99995	0.99997	0.99841	0.99959	0.99979
26	97	24.87330	2.65226	0.99826	0.99996	0.99998	0.99826	0.99961	0.99980	21.47352	2.61510	0.99841	0.99995	0.99998	0.99841	0.99962	0.99981
26	98	24.87330	2.47567	0.99826	0.99996	0.99998	0.99826	0.99964	0.99982	21.47352	2.44340	0.99841	0.99996	0.99998	0.99841	0.99964	0.99982
26	99	24.87330	2.31535	0.99826	0.99997	0.99998	0.99826	0.99966	0.99983	21.47352	2.28724	0.99841	0.99996	0.99998	0.99841	0.99967	0.99983
26	100	24.87330	2.16976	0.99826	0.99997	0.99999	0.99826	0.99968	0.99984	21.47352	2.14523	0.99841	0.99997	0.99998	0.99841	0.99969	0.99984
26	101	24.87330	2.03734	0.99826	0.99998	0.99999	0.99826	0.99970	0.99985	21.47352	2.01587	0.99841	0.99997	0.99999	0.99841	0.99971	0.99985
26	102	24.87330	1.91714	0.99826	0.99998	0.99999	0.99826	0.99972	0.99986	21.47352	1.89830	0.99841	0.99998	0.99999	0.99841	0.99973	0.99986
26	103	24.87330	1.80800	0.99826	0.99998	0.99999	0.99826	0.99974	0.99987	21.47352	1.79140	0.99841	0.99998	0.99999	0.99841	0.99974	0.99987
26	104	24.87330	1.70943	0.99826	0.99998	0.99999	0.99826	0.99976	0.99988	21.47352	1.69474	0.99841	0.99998	0.99999	0.99841	0.99976	0.99988

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
26	105	24.87330	1.62048	0.99826	0.99998	0.99999	0.99826	0.99977	0.99988	21.47352	1.60741	0.99841	0.99998	0.99999	0.99841	0.99977	0.99989
26	106	24.87330	1.54080	0.99826	0.99999	0.99999	0.99826	0.99978	0.99989	21.47352	1.52911	0.99841	0.99998	0.99999	0.99841	0.99978	0.99989
26	107	24.87330	1.47009	0.99826	0.99999	0.99999	0.99826	0.99979	0.99990	21.47352	1.45954	0.99841	0.99999	0.99999	0.99841	0.99979	0.99990
26	108	24.87330	1.40861	0.99826	0.99999	0.99999	0.99826	0.99980	0.99990	21.47352	1.39898	0.99841	0.99999	0.99999	0.99841	0.99980	0.99990
26	109	24.87330	1.35764	0.99826	0.99999	0.99999	0.99826	0.99981	0.99990	21.47352	1.34871	0.99841	0.99999	0.99999	0.99841	0.99981	0.99991
26	110	24.87330	1.32125	0.99826	0.99999	1.00000	0.99826	0.99981	0.99991	21.47352	1.31279	0.99841	0.99999	0.99999	0.99841	0.99981	0.99991
27	1	24.75311	26.72925	0.99813	0.92227	0.95956	0.99813	0.92195	0.95939	21.39570	22.57586	0.99829	0.94439	0.97140	0.99829	0.94419	0.97130
27	2	24.75311	26.68154	0.99813	0.92372	0.96035	0.99813	0.92339	0.96017	21.39570	22.55058	0.99829	0.94530	0.97188	0.99829	0.94510	0.97177
27	3	24.75311	26.63112	0.99813	0.92522	0.96116	0.99813	0.92487	0.96097	21.39570	22.52338	0.99829	0.94624	0.97238	0.99829	0.94603	0.97227
27	4	24.75311	26.57806	0.99813	0.92676	0.96199	0.99813	0.92640	0.96180	21.39570	22.49433	0.99829	0.94722	0.97289	0.99829	0.94700	0.97278
27	5	24.75311	26.52283	0.99813	0.92835	0.96285	0.99813	0.92797	0.96264	21.39570	22.46379	0.99829	0.94823	0.97342	0.99829	0.94799	0.97330
27	6	24.75311	26.46539	0.99813	0.92999	0.96372	0.99813	0.92959	0.96351	21.39570	22.43176	0.99829	0.94927	0.97397	0.99829	0.94903	0.97385
27	7	24.75311	26.40551	0.99813	0.93166	0.96462	0.99813	0.93124	0.96440	21.39570	22.39806	0.99829	0.95035	0.97454	0.99829	0.95009	0.97441
27	8	24.75311	26.34335	0.99813	0.93338	0.96554	0.99813	0.93294	0.96531	21.39570	22.36278	0.99829	0.95146	0.97512	0.99829	0.95119	0.97498
27	9	24.75311	26.27867	0.99813	0.93515	0.96649	0.99813	0.93468	0.96623	21.39570	22.32575	0.99829	0.95260	0.97572	0.99829	0.95231	0.97557
27	10	24.75311	26.21121	0.99813	0.93695	0.96745	0.99813	0.93645	0.96718	21.39570	22.28674	0.99829	0.95377	0.97634	0.99829	0.95347	0.97618
27	11	24.75311	26.14141	0.99813	0.93879	0.96843	0.99813	0.93826	0.96815	21.39570	22.24611	0.99829	0.95498	0.97697	0.99829	0.95466	0.97680
27	12	24.75311	26.06892	0.99813	0.94066	0.96942	0.99813	0.94010	0.96913	21.39570	22.20360	0.99829	0.95621	0.97761	0.99829	0.95587	0.97744
27	13	24.75311	25.99388	0.99813	0.94256	0.97043	0.99813	0.94197	0.97012	21.39570	22.15929	0.99829	0.95747	0.97827	0.99829	0.95711	0.97808
27	14	24.75311	25.91617	0.99813	0.94449	0.97145	0.99813	0.94387	0.97112	21.39570	22.11310	0.99829	0.95875	0.97894	0.99829	0.95837	0.97874
27	15	24.75311	25.83587	0.99813	0.94645	0.97249	0.99813	0.94579	0.97214	21.39570	22.06509	0.99829	0.96005	0.97962	0.99829	0.95965	0.97941
27	16	24.75311	25.75319	0.99813	0.94841	0.97352	0.99813	0.94772	0.97316	21.39570	22.01544	0.99829	0.96137	0.98030	0.99829	0.96095	0.98008
27	17	24.75311	25.66857	0.99813	0.95039	0.97457	0.99813	0.94967	0.97418	21.39570	21.96453	0.99829	0.96270	0.98100	0.99829	0.96226	0.98077
27	18	24.75311	25.58235	0.99813	0.95238	0.97561	0.99813	0.95162	0.97521	21.39570	21.91267	0.99829	0.96404	0.98169	0.99829	0.96358	0.98145
27	19	24.75311	25.49361	0.99813	0.95436	0.97665	0.99813	0.95357	0.97623	21.39570	21.85907	0.99829	0.96539	0.98239	0.99829	0.96491	0.98214
27	20	24.75311	25.40164	0.99813	0.95634	0.97769	0.99813	0.95552	0.97725	21.39570	21.80312	0.99829	0.96674	0.98309	0.99829	0.96624	0.98283
27	21	24.75311	25.30562	0.99813	0.95831	0.97871	0.99813	0.95745	0.97826	21.39570	21.74411	0.99829	0.96809	0.98379	0.99829	0.96757	0.98352
27	22	24.75311	25.20517	0.99813	0.96027	0.97973	0.99813	0.95936	0.97926	21.39570	21.68171	0.99829	0.96944	0.98448	0.99829	0.96889	0.98420
27	23	24.75311	25.09967	0.99813	0.96219	0.98073	0.99813	0.96125	0.98024	21.39570	21.61537	0.99829	0.97077	0.98517	0.99829	0.97020	0.98487
27	24	24.75311	24.98936	0.99813	0.96409	0.98172	0.99813	0.96310	0.98121	21.39570	21.54528	0.99829	0.97209	0.98585	0.99829	0.97149	0.98554
27	25	24.75311	24.87419	0.99813	0.96595	0.98268	0.99813	0.96492	0.98215	21.39570	21.47137	0.99829	0.97339	0.98652	0.99829	0.97276	0.98619
27	26	24.75311	24.75420	0.99813	0.96776	0.98362	0.99813	0.96669	0.98306	21.39570	21.39367	0.99829	0.97467	0.98717	0.99829	0.97401	0.98683
27	27	24.75311	24.62994	0.99813	0.96952	0.98453	0.99813	0.96841	0.98395	21.39570	21.31262	0.99829	0.97591	0.98781	0.99829	0.97522	0.98746
27	28	24.75311	24.50119	0.99813	0.97123	0.98541	0.99813	0.97007	0.98481	21.39570	21.22804	0.99829	0.97713	0.98843	0.99829	0.97641	0.98806
27	29	24.75311	24.36788	0.99813	0.97288	0.98625	0.99813	0.97168	0.98564	21.39570	21.13984	0.99829	0.97831	0.98903	0.99829	0.97756	0.98865
27	30	24.75311	24.23009	0.99813	0.97446	0.98706	0.99813	0.97322	0.98643	21.39570	21.04806	0.99829	0.97944	0.98962	0.99829	0.97867	0.98922
27	31	24.75311	24.08752	0.99813	0.97597	0.98784	0.99813	0.97470	0.98719	21.39570	20.95246	0.99829	0.98054	0.99018	0.99829	0.97974	0.98976
27	32	24.75311	23.94006	0.99813	0.97742	0.98858	0.99813	0.97612	0.98791	21.39570	20.85289	0.99829	0.98160	0.99071	0.99829	0.98076	0.99029
27	33	24.75311	23.78740	0.99813	0.97880	0.98929	0.99813	0.97746	0.98860	21.39570	20.74907	0.99829	0.98261	0.99123	0.99829	0.98175	0.99079
27	34	24.75311	23.62942	0.99813	0.98011	0.98996	0.99813	0.97874	0.98926	21.39570	20.64088	0.99829	0.98357	0.99172	0.99829	0.98269	0.99127
27	35	24.75311	23.46579	0.99813	0.98135	0.99059	0.99813	0.97996	0.98988	21.39570	20.52800	0.99829	0.98450	0.99219	0.99829	0.98359	0.99173

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
27	36	24.75311	23.29632	0.99813	0.98253	0.99119	0.99813	0.98110	0.99046	21.39570	20.41023	0.99829	0.98537	0.99263	0.99829	0.98444	0.99216
27	37	24.75311	23.12089	0.99813	0.98363	0.99175	0.99813	0.98219	0.99101	21.39570	20.28745	0.99829	0.98621	0.99306	0.99829	0.98525	0.99257
27	38	24.75311	22.93911	0.99813	0.98468	0.99228	0.99813	0.98321	0.99153	21.39570	20.15926	0.99829	0.98700	0.99346	0.99829	0.98602	0.99296
27	39	24.75311	22.75087	0.99813	0.98566	0.99278	0.99813	0.98417	0.99202	21.39570	20.02555	0.99829	0.98775	0.99384	0.99829	0.98675	0.99333
27	40	24.75311	22.55572	0.99813	0.98658	0.99325	0.99813	0.98507	0.99248	21.39570	19.88587	0.99829	0.98846	0.99420	0.99829	0.98744	0.99368
27	41	24.75311	22.35340	0.99813	0.98745	0.99369	0.99813	0.98593	0.99291	21.39570	19.73995	0.99829	0.98914	0.99454	0.99829	0.98809	0.99401
27	42	24.75311	22.14385	0.99813	0.98826	0.99410	0.99813	0.98673	0.99332	21.39570	19.58769	0.99829	0.98977	0.99486	0.99829	0.98871	0.99432
27	43	24.75311	21.92669	0.99813	0.98903	0.99448	0.99813	0.98748	0.99370	21.39570	19.42870	0.99829	0.99038	0.99516	0.99829	0.98930	0.99462
27	44	24.75311	21.70178	0.99813	0.98975	0.99485	0.99813	0.98818	0.99406	21.39570	19.26280	0.99829	0.99095	0.99545	0.99829	0.98985	0.99490
27	45	24.75311	21.46876	0.99813	0.99042	0.99519	0.99813	0.98885	0.99439	21.39570	19.08963	0.99829	0.99149	0.99572	0.99829	0.99037	0.99516
27	46	24.75311	21.22763	0.99813	0.99105	0.99551	0.99813	0.98947	0.99471	21.39570	18.90911	0.99829	0.99200	0.99598	0.99829	0.99087	0.99541
27	47	24.75311	20.97813	0.99813	0.99165	0.99581	0.99813	0.99006	0.99501	21.39570	18.72094	0.99829	0.99248	0.99623	0.99829	0.99134	0.99565
27	48	24.75311	20.72003	0.99813	0.99220	0.99609	0.99813	0.99061	0.99528	21.39570	18.52488	0.99829	0.99294	0.99646	0.99829	0.99178	0.99587
27	49	24.75311	20.45326	0.99813	0.99273	0.99635	0.99813	0.99113	0.99555	21.39570	18.32076	0.99829	0.99337	0.99667	0.99829	0.99221	0.99609
27	50	24.75311	20.17742	0.99813	0.99322	0.99660	0.99813	0.99163	0.99580	21.39570	18.10816	0.99829	0.99378	0.99688	0.99829	0.99260	0.99629
27	51	24.75311	19.89339	0.99813	0.99368	0.99683	0.99813	0.99209	0.99603	21.39570	17.88781	0.99829	0.99417	0.99708	0.99829	0.99298	0.99648
27	52	24.75311	19.60122	0.99813	0.99412	0.99705	0.99813	0.99253	0.99625	21.39570	17.65967	0.99829	0.99454	0.99726	0.99829	0.99334	0.99666
27	53	24.75311	19.30125	0.99813	0.99453	0.99726	0.99813	0.99294	0.99646	21.39570	17.42398	0.99829	0.99488	0.99744	0.99829	0.99369	0.99683
27	54	24.75311	18.99375	0.99813	0.99491	0.99745	0.99813	0.99333	0.99665	21.39570	17.18091	0.99829	0.99521	0.99760	0.99829	0.99401	0.99700
27	55	24.75311	18.67912	0.99813	0.99527	0.99763	0.99813	0.99370	0.99684	21.39570	16.93076	0.99829	0.99553	0.99776	0.99829	0.99432	0.99715
27	56	24.75311	18.35803	0.99813	0.99561	0.99780	0.99813	0.99405	0.99702	21.39570	16.67407	0.99829	0.99582	0.99791	0.99829	0.99461	0.99730
27	57	24.75311	18.02853	0.99813	0.99592	0.99796	0.99813	0.99438	0.99718	21.39570	16.40902	0.99829	0.99610	0.99805	0.99829	0.99489	0.99744
27	58	24.75311	17.69065	0.99813	0.99622	0.99811	0.99813	0.99469	0.99734	21.39570	16.13552	0.99829	0.99636	0.99818	0.99829	0.99516	0.99757
27	59	24.75311	17.34441	0.99813	0.99650	0.99825	0.99813	0.99499	0.99749	21.39570	15.85354	0.99829	0.99661	0.99830	0.99829	0.99541	0.99770
27	60	24.75311	16.98967	0.99813	0.99676	0.99838	0.99813	0.99527	0.99763	21.39570	15.56284	0.99829	0.99685	0.99842	0.99829	0.99565	0.99782
27	61	24.75311	16.62627	0.99813	0.99701	0.99850	0.99813	0.99553	0.99776	21.39570	15.26320	0.99829	0.99707	0.99853	0.99829	0.99588	0.99794
27	62	24.75311	16.25423	0.99813	0.99724	0.99862	0.99813	0.99578	0.99788	21.39570	14.95454	0.99829	0.99728	0.99864	0.99829	0.99610	0.99804
27	63	24.75311	15.87341	0.99813	0.99745	0.99872	0.99813	0.99601	0.99800	21.39570	14.63664	0.99829	0.99748	0.99874	0.99829	0.99630	0.99815
27	64	24.75311	15.48353	0.99813	0.99765	0.99882	0.99813	0.99623	0.99811	21.39570	14.30913	0.99829	0.99766	0.99883	0.99829	0.99649	0.99824
27	65	24.75311	15.08480	0.99813	0.99784	0.99892	0.99813	0.99644	0.99822	21.39570	13.97213	0.99829	0.99784	0.99892	0.99829	0.99668	0.99834
27	66	24.75311	14.67724	0.99813	0.99801	0.99900	0.99813	0.99664	0.99832	21.39570	13.62552	0.99829	0.99800	0.99900	0.99829	0.99685	0.99842
27	67	24.75311	14.26104	0.99813	0.99818	0.99909	0.99813	0.99683	0.99841	21.39570	13.26940	0.99829	0.99816	0.99908	0.99829	0.99702	0.99851
27	68	24.75311	13.83657	0.99813	0.99833	0.99916	0.99813	0.99700	0.99850	21.39570	12.90401	0.99829	0.99830	0.99915	0.99829	0.99718	0.99859
27	69	24.75311	13.40435	0.99813	0.99847	0.99923	0.99813	0.99717	0.99858	21.39570	12.52973	0.99829	0.99844	0.99922	0.99829	0.99733	0.99866
27	70	24.75311	12.96501	0.99813	0.99860	0.99930	0.99813	0.99733	0.99866	21.39570	12.14706	0.99829	0.99857	0.99928	0.99829	0.99747	0.99873
27	71	24.75311	12.51927	0.99813	0.99872	0.99936	0.99813	0.99748	0.99874	21.39570	11.75658	0.99829	0.99869	0.99934	0.99829	0.99760	0.99880
27	72	24.75311	12.06792	0.99813	0.99884	0.99942	0.99813	0.99762	0.99881	21.39570	11.35893	0.99829	0.99880	0.99940	0.99829	0.99773	0.99887
27	73	24.75311	11.61185	0.99813	0.99895	0.99947	0.99813	0.99775	0.99887	21.39570	10.95491	0.99829	0.99890	0.99945	0.99829	0.99786	0.99893
27	74	24.75311	11.15217	0.99813	0.99905	0.99952	0.99813	0.99788	0.99894	21.39570	10.54549	0.99829	0.99900	0.99950	0.99829	0.99797	0.99899
27	75	24.75311	10.68986	0.99813	0.99914	0.99957	0.99813	0.99800	0.99900	21.39570	10.13154	0.99829	0.99910	0.99955	0.99829	0.99809	0.99904
27	76	24.75311	10.22626	0.99813	0.99922	0.99961	0.99813	0.99812	0.99906	21.39570	9.71428	0.99829	0.99918	0.99959	0.99829	0.99820	0.99910

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
27	77	24.75311	9.76277	0.99813	0.99930	0.99965	0.99813	0.99823	0.99911	21.39570	9.29502	0.99829	0.99926	0.99963	0.99829	0.99830	0.99915
27	78	24.75311	9.30064	0.99813	0.99938	0.99969	0.99813	0.99834	0.99917	21.39570	8.87492	0.99829	0.99934	0.99967	0.99829	0.99840	0.99920
27	79	24.75311	8.84103	0.99813	0.99944	0.99972	0.99813	0.99844	0.99922	21.39570	8.45509	0.99829	0.99941	0.99970	0.99829	0.99850	0.99925
27	80	24.75311	8.38551	0.99813	0.99950	0.99975	0.99813	0.99854	0.99927	21.39570	8.03703	0.99829	0.99947	0.99973	0.99829	0.99859	0.99929
27	81	24.75311	7.93532	0.99813	0.99956	0.99978	0.99813	0.99863	0.99931	21.39570	7.62196	0.99829	0.99953	0.99976	0.99829	0.99868	0.99934
27	82	24.75311	7.49211	0.99813	0.99961	0.99981	0.99813	0.99872	0.99936	21.39570	7.21152	0.99829	0.99958	0.99979	0.99829	0.99876	0.99938
27	83	24.75311	7.05756	0.99813	0.99966	0.99983	0.99813	0.99880	0.99940	21.39570	6.80735	0.99829	0.99963	0.99982	0.99829	0.99884	0.99942
27	84	24.75311	6.63342	0.99813	0.99970	0.99985	0.99813	0.99888	0.99944	21.39570	6.41122	0.99829	0.99968	0.99984	0.99829	0.99892	0.99946
27	85	24.75311	6.22156	0.99813	0.99974	0.99987	0.99813	0.99896	0.99948	21.39570	6.02503	0.99829	0.99972	0.99986	0.99829	0.99899	0.99949
27	86	24.75311	5.82374	0.99813	0.99977	0.99989	0.99813	0.99903	0.99952	21.39570	5.65055	0.99829	0.99975	0.99988	0.99829	0.99906	0.99953
27	87	24.75311	5.44155	0.99813	0.99980	0.99990	0.99813	0.99910	0.99955	21.39570	5.28949	0.99829	0.99978	0.99989	0.99829	0.99912	0.99956
27	88	24.75311	5.07613	0.99813	0.99983	0.99991	0.99813	0.99917	0.99958	21.39570	4.94306	0.99829	0.99981	0.99991	0.99829	0.99919	0.99959
27	89	24.75311	4.72862	0.99813	0.99985	0.99993	0.99813	0.99923	0.99961	21.39570	4.61250	0.99829	0.99984	0.99992	0.99829	0.99924	0.99962
27	90	24.75311	4.40007	0.99813	0.99987	0.99994	0.99813	0.99928	0.99964	21.39570	4.29901	0.99829	0.99986	0.99993	0.99829	0.99930	0.99965
27	91	24.75311	4.09149	0.99813	0.99989	0.99994	0.99813	0.99933	0.99967	21.39570	4.00370	0.99829	0.99988	0.99994	0.99829	0.99935	0.99967
27	92	24.75311	3.80354	0.99813	0.99991	0.99995	0.99813	0.99938	0.99969	21.39570	3.72738	0.99829	0.99989	0.99995	0.99829	0.99940	0.99970
27	93	24.75311	3.53621	0.99813	0.99992	0.99996	0.99813	0.99943	0.99971	21.39570	3.47020	0.99829	0.99991	0.99995	0.99829	0.99944	0.99972
27	94	24.75311	3.28870	0.99813	0.99993	0.99996	0.99813	0.99947	0.99973	21.39570	3.23152	0.99829	0.99992	0.99996	0.99829	0.99948	0.99974
27	95	24.75311	3.05955	0.99813	0.99994	0.99997	0.99813	0.99951	0.99975	21.39570	3.01004	0.99829	0.99993	0.99997	0.99829	0.99952	0.99976
27	96	24.75311	2.84646	0.99813	0.99995	0.99997	0.99813	0.99954	0.99977	21.39570	2.80360	0.99829	0.99994	0.99997	0.99829	0.99955	0.99978
27	97	24.75311	2.65226	0.99813	0.99995	0.99998	0.99813	0.99958	0.99979	21.39570	2.61510	0.99829	0.99995	0.99997	0.99829	0.99958	0.99979
27	98	24.75311	2.47567	0.99813	0.99996	0.99998	0.99813	0.99961	0.99980	21.39570	2.44340	0.99829	0.99996	0.99998	0.99829	0.99961	0.99981
27	99	24.75311	2.31535	0.99813	0.99997	0.99998	0.99813	0.99963	0.99982	21.39570	2.28724	0.99829	0.99996	0.99998	0.99829	0.99964	0.99982
27	100	24.75311	2.16976	0.99813	0.99997	0.99998	0.99813	0.99966	0.99983	21.39570	2.14523	0.99829	0.99997	0.99998	0.99829	0.99966	0.99983
27	101	24.75311	2.03734	0.99813	0.99997	0.99999	0.99813	0.99968	0.99984	21.39570	2.01587	0.99829	0.99997	0.99999	0.99829	0.99968	0.99984
27	102	24.75311	1.91714	0.99813	0.99998	0.99999	0.99813	0.99970	0.99985	21.39570	1.89830	0.99829	0.99997	0.99999	0.99829	0.99970	0.99985
27	103	24.75311	1.80800	0.99813	0.99998	0.99999	0.99813	0.99972	0.99986	21.39570	1.79140	0.99829	0.99998	0.99999	0.99829	0.99972	0.99986
27	104	24.75311	1.70943	0.99813	0.99998	0.99999	0.99813	0.99974	0.99987	21.39570	1.69474	0.99829	0.99998	0.99999	0.99829	0.99974	0.99987
27	105	24.75311	1.62048	0.99813	0.99998	0.99999	0.99813	0.99975	0.99988	21.39570	1.60741	0.99829	0.99998	0.99999	0.99829	0.99975	0.99988
27	106	24.75311	1.54080	0.99813	0.99999	0.99999	0.99813	0.99976	0.99988	21.39570	1.52911	0.99829	0.99998	0.99999	0.99829	0.99977	0.99988
27	107	24.75311	1.47009	0.99813	0.99999	0.99999	0.99813	0.99978	0.99989	21.39570	1.45954	0.99829	0.99998	0.99999	0.99829	0.99978	0.99989
27	108	24.75311	1.40861	0.99813	0.99999	0.99999	0.99813	0.99979	0.99989	21.39570	1.39898	0.99829	0.99999	0.99999	0.99829	0.99979	0.99989
27	109	24.75311	1.35764	0.99813	0.99999	0.99999	0.99813	0.99979	0.99990	21.39570	1.34871	0.99829	0.99999	0.99999	0.99829	0.99980	0.99990
27	110	24.75311	1.32125	0.99813	0.99999	0.99999	0.99813	0.99980	0.99990	21.39570	1.31279	0.99829	0.99999	0.99999	0.99829	0.99980	0.99990
28	1	24.62831	26.72925	0.99798	0.91777	0.95712	0.99798	0.91745	0.95695	21.31427	22.57586	0.99815	0.94091	0.96955	0.99815	0.94071	0.96945
28	2	24.62831	26.68154	0.99798	0.91923	0.95792	0.99798	0.91889	0.95773	21.31427	22.55058	0.99815	0.94182	0.97004	0.99815	0.94161	0.96993
28	3	24.62831	26.63112	0.99798	0.92074	0.95873	0.99798	0.92039	0.95854	21.31427	22.52338	0.99815	0.94277	0.97054	0.99815	0.94256	0.97043
28	4	24.62831	26.57806	0.99798	0.92229	0.95958	0.99798	0.92193	0.95938	21.31427	22.49433	0.99815	0.94376	0.97106	0.99815	0.94353	0.97095
28	5	24.62831	26.52283	0.99798	0.92389	0.96044	0.99798	0.92351	0.96023	21.31427	22.46379	0.99815	0.94478	0.97161	0.99815	0.94454	0.97148
28	6	24.62831	26.46539	0.99798	0.92554	0.96133	0.99798	0.92514	0.96111	21.31427	22.43176	0.99815	0.94583	0.97216	0.99815	0.94559	0.97203
28	7	24.62831	26.40551	0.99798	0.92724	0.96225	0.99798	0.92681	0.96202	21.31427	22.39806	0.99815	0.94693	0.97274	0.99815	0.94666	0.97260

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
28	8	24.62831	26.34335	0.99798	0.92898	0.96318	0.99798	0.92853	0.96294	21.31427	22.36278	0.99815	0.94805	0.97333	0.99815	0.94778	0.97319
28	9	24.62831	26.27867	0.99798	0.93077	0.96414	0.99798	0.93029	0.96389	21.31427	22.32575	0.99815	0.94921	0.97395	0.99815	0.94892	0.97379
28	10	24.62831	26.21121	0.99798	0.93260	0.96512	0.99798	0.93209	0.96485	21.31427	22.28674	0.99815	0.95041	0.97457	0.99815	0.95010	0.97441
28	11	24.62831	26.14141	0.99798	0.93447	0.96612	0.99798	0.93393	0.96584	21.31427	22.24611	0.99815	0.95164	0.97522	0.99815	0.95131	0.97505
28	12	24.62831	26.06892	0.99798	0.93638	0.96714	0.99798	0.93581	0.96684	21.31427	22.20360	0.99815	0.95290	0.97588	0.99815	0.95255	0.97570
28	13	24.62831	25.99388	0.99798	0.93832	0.96818	0.99798	0.93772	0.96786	21.31427	22.15929	0.99815	0.95419	0.97656	0.99815	0.95382	0.97636
28	14	24.62831	25.91617	0.99798	0.94030	0.96923	0.99798	0.93966	0.96889	21.31427	22.11310	0.99815	0.95550	0.97724	0.99815	0.95511	0.97704
28	15	24.62831	25.83587	0.99798	0.94230	0.97029	0.99798	0.94163	0.96994	21.31427	22.06509	0.99815	0.95684	0.97795	0.99815	0.95643	0.97773
28	16	24.62831	25.75319	0.99798	0.94433	0.97137	0.99798	0.94362	0.97099	21.31427	22.01544	0.99815	0.95821	0.97866	0.99815	0.95777	0.97843
28	17	24.62831	25.66857	0.99798	0.94637	0.97245	0.99798	0.94563	0.97206	21.31427	21.96453	0.99815	0.95959	0.97938	0.99815	0.95913	0.97914
28	18	24.62831	25.58235	0.99798	0.94843	0.97353	0.99798	0.94765	0.97312	21.31427	21.91267	0.99815	0.96098	0.98010	0.99815	0.96050	0.97985
28	19	24.62831	25.49361	0.99798	0.95049	0.97462	0.99798	0.94968	0.97419	21.31427	21.85907	0.99815	0.96238	0.98083	0.99815	0.96189	0.98057
28	20	24.62831	25.40164	0.99798	0.95256	0.97570	0.99798	0.95171	0.97526	21.31427	21.80312	0.99815	0.96380	0.98156	0.99815	0.96328	0.98130
28	21	24.62831	25.30562	0.99798	0.95462	0.97678	0.99798	0.95373	0.97632	21.31427	21.74411	0.99815	0.96521	0.98230	0.99815	0.96467	0.98202
28	22	24.62831	25.20517	0.99798	0.95666	0.97785	0.99798	0.95574	0.97737	21.31427	21.68171	0.99815	0.96663	0.98303	0.99815	0.96606	0.98274
28	23	24.62831	25.09967	0.99798	0.95870	0.97891	0.99798	0.95773	0.97841	21.31427	21.61537	0.99815	0.96804	0.98376	0.99815	0.96744	0.98345
28	24	24.62831	24.98936	0.99798	0.96070	0.97996	0.99798	0.95969	0.97943	21.31427	21.54528	0.99815	0.96944	0.98448	0.99815	0.96881	0.98416
28	25	24.62831	24.87419	0.99798	0.96268	0.98098	0.99798	0.96162	0.98043	21.31427	21.47137	0.99815	0.97082	0.98520	0.99815	0.97017	0.98486
28	26	24.62831	24.75420	0.99798	0.96461	0.98199	0.99798	0.96350	0.98141	21.31427	21.39367	0.99815	0.97219	0.98590	0.99815	0.97150	0.98554
28	27	24.62831	24.62994	0.99798	0.96650	0.98297	0.99798	0.96534	0.98237	21.31427	21.31262	0.99815	0.97352	0.98658	0.99815	0.97280	0.98621
28	28	24.62831	24.50119	0.99798	0.96834	0.98391	0.99798	0.96713	0.98329	21.31427	21.22804	0.99815	0.97483	0.98726	0.99815	0.97408	0.98687
28	29	24.62831	24.36788	0.99798	0.97011	0.98483	0.99798	0.96886	0.98419	21.31427	21.13984	0.99815	0.97610	0.98791	0.99815	0.97532	0.98750
28	30	24.62831	24.23009	0.99798	0.97183	0.98571	0.99798	0.97053	0.98505	21.31427	21.04806	0.99815	0.97734	0.98854	0.99815	0.97652	0.98812
28	31	24.62831	24.08752	0.99798	0.97347	0.98656	0.99798	0.97214	0.98587	21.31427	20.95246	0.99815	0.97853	0.98915	0.99815	0.97768	0.98872
28	32	24.62831	23.94006	0.99798	0.97505	0.98737	0.99798	0.97368	0.98666	21.31427	20.85289	0.99815	0.97968	0.98974	0.99815	0.97880	0.98929
28	33	24.62831	23.78740	0.99798	0.97656	0.98814	0.99798	0.97515	0.98742	21.31427	20.74907	0.99815	0.98079	0.99030	0.99815	0.97988	0.98984
28	34	24.62831	23.62942	0.99798	0.97800	0.98888	0.99798	0.97655	0.98814	21.31427	20.64088	0.99815	0.98185	0.99084	0.99815	0.98091	0.99036
28	35	24.62831	23.46579	0.99798	0.97936	0.98957	0.99798	0.97789	0.98882	21.31427	20.52800	0.99815	0.98287	0.99136	0.99815	0.98190	0.99087
28	36	24.62831	23.29632	0.99798	0.98066	0.99023	0.99798	0.97915	0.98946	21.31427	20.41023	0.99815	0.98383	0.99185	0.99815	0.98284	0.99135
28	37	24.62831	23.12089	0.99798	0.98188	0.99086	0.99798	0.98034	0.99007	21.31427	20.28745	0.99815	0.98476	0.99232	0.99815	0.98374	0.99180
28	38	24.62831	22.93911	0.99798	0.98304	0.99145	0.99798	0.98147	0.99065	21.31427	20.15926	0.99815	0.98563	0.99276	0.99815	0.98459	0.99223
28	39	24.62831	22.75087	0.99798	0.98412	0.99200	0.99798	0.98254	0.99119	21.31427	20.02555	0.99815	0.98646	0.99319	0.99815	0.98539	0.99264
28	40	24.62831	22.55572	0.99798	0.98515	0.99252	0.99798	0.98354	0.99170	21.31427	19.88587	0.99815	0.98725	0.99358	0.99815	0.98616	0.99303
28	41	24.62831	22.35340	0.99798	0.98611	0.99301	0.99798	0.98448	0.99218	21.31427	19.73995	0.99815	0.98800	0.99396	0.99815	0.98688	0.99340
28	42	24.62831	22.14385	0.99798	0.98702	0.99347	0.99798	0.98537	0.99263	21.31427	19.58769	0.99815	0.98871	0.99432	0.99815	0.98757	0.99375
28	43	24.62831	21.92669	0.99798	0.98787	0.99390	0.99798	0.98620	0.99305	21.31427	19.42870	0.99815	0.98937	0.99466	0.99815	0.98822	0.99407
28	44	24.62831	21.70178	0.99798	0.98866	0.99430	0.99798	0.98699	0.99345	21.31427	19.26280	0.99815	0.99001	0.99498	0.99815	0.98883	0.99438
28	45	24.62831	21.46876	0.99798	0.98941	0.99468	0.99798	0.98772	0.99382	21.31427	19.08963	0.99815	0.99061	0.99528	0.99815	0.98941	0.99468
28	46	24.62831	21.22763	0.99798	0.99012	0.99503	0.99798	0.98842	0.99417	21.31427	18.90911	0.99815	0.99117	0.99557	0.99815	0.98996	0.99496
28	47	24.62831	20.97813	0.99798	0.99077	0.99537	0.99798	0.98907	0.99450	21.31427	18.72094	0.99815	0.99171	0.99584	0.99815	0.99048	0.99522
28	48	24.62831	20.72003	0.99798	0.99139	0.99568	0.99798	0.98968	0.99481	21.31427	18.52488	0.99815	0.99222	0.99609	0.99815	0.99097	0.99547

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
28	49	24.62831	20.45326	0.99798	0.99197	0.99597	0.99798	0.99026	0.99511	21.31427	18.32076	0.99815	0.99270	0.99633	0.99815	0.99144	0.99570
28	50	24.62831	20.17742	0.99798	0.99252	0.99625	0.99798	0.99080	0.99538	21.31427	18.10816	0.99815	0.99315	0.99656	0.99815	0.99188	0.99592
28	51	24.62831	19.89339	0.99798	0.99303	0.99650	0.99798	0.99131	0.99564	21.31427	17.88781	0.99815	0.99358	0.99678	0.99815	0.99230	0.99614
28	52	24.62831	19.60122	0.99798	0.99351	0.99675	0.99798	0.99180	0.99588	21.31427	17.65967	0.99815	0.99399	0.99698	0.99815	0.99270	0.99634
28	53	24.62831	19.30125	0.99798	0.99397	0.99697	0.99798	0.99226	0.99611	21.31427	17.42398	0.99815	0.99437	0.99718	0.99815	0.99308	0.99653
28	54	24.62831	18.99375	0.99798	0.99439	0.99719	0.99798	0.99269	0.99633	21.31427	17.18091	0.99815	0.99474	0.99736	0.99815	0.99344	0.99671
28	55	24.62831	18.67912	0.99798	0.99479	0.99739	0.99798	0.99309	0.99654	21.31427	16.93076	0.99815	0.99508	0.99753	0.99815	0.99378	0.99688
28	56	24.62831	18.35803	0.99798	0.99516	0.99758	0.99798	0.99348	0.99673	21.31427	16.67407	0.99815	0.99541	0.99770	0.99815	0.99410	0.99704
28	57	24.62831	18.02853	0.99798	0.99551	0.99775	0.99798	0.99384	0.99691	21.31427	16.40902	0.99815	0.99572	0.99785	0.99815	0.99441	0.99720
28	58	24.62831	17.69065	0.99798	0.99584	0.99792	0.99798	0.99419	0.99709	21.31427	16.13552	0.99815	0.99601	0.99800	0.99815	0.99470	0.99734
28	59	24.62831	17.34441	0.99798	0.99615	0.99807	0.99798	0.99451	0.99725	21.31427	15.85354	0.99815	0.99628	0.99814	0.99815	0.99498	0.99748
28	60	24.62831	16.98967	0.99798	0.99644	0.99822	0.99798	0.99482	0.99740	21.31427	15.56284	0.99815	0.99654	0.99827	0.99815	0.99525	0.99762
28	61	24.62831	16.62627	0.99798	0.99671	0.99835	0.99798	0.99511	0.99755	21.31427	15.26320	0.99815	0.99679	0.99839	0.99815	0.99550	0.99774
28	62	24.62831	16.25423	0.99798	0.99697	0.99848	0.99798	0.99539	0.99769	21.31427	14.95454	0.99815	0.99702	0.99851	0.99815	0.99574	0.99786
28	63	24.62831	15.87341	0.99798	0.99720	0.99860	0.99798	0.99565	0.99782	21.31427	14.63664	0.99815	0.99724	0.99862	0.99815	0.99596	0.99798
28	64	24.62831	15.48353	0.99798	0.99742	0.99871	0.99798	0.99589	0.99794	21.31427	14.30913	0.99815	0.99744	0.99872	0.99815	0.99618	0.99809
28	65	24.62831	15.08480	0.99798	0.99763	0.99881	0.99798	0.99612	0.99806	21.31427	13.97213	0.99815	0.99763	0.99882	0.99815	0.99638	0.99819
28	66	24.62831	14.67724	0.99798	0.99782	0.99891	0.99798	0.99634	0.99817	21.31427	13.62552	0.99815	0.99781	0.99891	0.99815	0.99657	0.99828
28	67	24.62831	14.26104	0.99798	0.99800	0.99900	0.99798	0.99655	0.99827	21.31427	13.26940	0.99815	0.99798	0.99899	0.99815	0.99676	0.99838
28	68	24.62831	13.83657	0.99798	0.99817	0.99908	0.99798	0.99674	0.99837	21.31427	12.90401	0.99815	0.99814	0.99907	0.99815	0.99693	0.99846
28	69	24.62831	13.40435	0.99798	0.99833	0.99916	0.99798	0.99692	0.99846	21.31427	12.52973	0.99815	0.99829	0.99915	0.99815	0.99709	0.99854
28	70	24.62831	12.96501	0.99798	0.99847	0.99924	0.99798	0.99709	0.99855	21.31427	12.14706	0.99815	0.99844	0.99922	0.99815	0.99725	0.99862
28	71	24.62831	12.51927	0.99798	0.99861	0.99930	0.99798	0.99726	0.99863	21.31427	11.75658	0.99815	0.99857	0.99928	0.99815	0.99740	0.99870
28	72	24.62831	12.06792	0.99798	0.99873	0.99937	0.99798	0.99741	0.99870	21.31427	11.35893	0.99815	0.99869	0.99934	0.99815	0.99754	0.99877
28	73	24.62831	11.61185	0.99798	0.99885	0.99942	0.99798	0.99756	0.99878	21.31427	10.95491	0.99815	0.99881	0.99940	0.99815	0.99767	0.99884
28	74	24.62831	11.15217	0.99798	0.99896	0.99948	0.99798	0.99770	0.99885	21.31427	10.54549	0.99815	0.99891	0.99946	0.99815	0.99780	0.99890
28	75	24.62831	10.68986	0.99798	0.99906	0.99953	0.99798	0.99783	0.99891	21.31427	10.13154	0.99815	0.99901	0.99951	0.99815	0.99792	0.99896
28	76	24.62831	10.22626	0.99798	0.99915	0.99958	0.99798	0.99796	0.99898	21.31427	9.71428	0.99815	0.99911	0.99955	0.99815	0.99804	0.99902
28	77	24.62831	9.76277	0.99798	0.99924	0.99962	0.99798	0.99808	0.99904	21.31427	9.29502	0.99815	0.99919	0.99960	0.99815	0.99815	0.99908
28	78	24.62831	9.30064	0.99798	0.99932	0.99966	0.99798	0.99819	0.99909	21.31427	8.87492	0.99815	0.99928	0.99964	0.99815	0.99826	0.99913
28	79	24.62831	8.84103	0.99798	0.99939	0.99970	0.99798	0.99830	0.99915	21.31427	8.45509	0.99815	0.99935	0.99968	0.99815	0.99836	0.99918
28	80	24.62831	8.38551	0.99798	0.99946	0.99973	0.99798	0.99841	0.99920	21.31427	8.03703	0.99815	0.99942	0.99971	0.99815	0.99846	0.99923
28	81	24.62831	7.93532	0.99798	0.99952	0.99976	0.99798	0.99851	0.99925	21.31427	7.62196	0.99815	0.99948	0.99974	0.99815	0.99856	0.99928
28	82	24.62831	7.49211	0.99798	0.99957	0.99979	0.99798	0.99860	0.99930	21.31427	7.21152	0.99815	0.99954	0.99977	0.99815	0.99865	0.99932
28	83	24.62831	7.05756	0.99798	0.99963	0.99981	0.99798	0.99869	0.99935	21.31427	6.80735	0.99815	0.99960	0.99980	0.99815	0.99873	0.99937
28	84	24.62831	6.63342	0.99798	0.99967	0.99984	0.99798	0.99878	0.99939	21.31427	6.41122	0.99815	0.99964	0.99982	0.99815	0.99882	0.99941
28	85	24.62831	6.22156	0.99798	0.99971	0.99986	0.99798	0.99886	0.99943	21.31427	6.02503	0.99815	0.99969	0.99984	0.99815	0.99889	0.99945
28	86	24.62831	5.82374	0.99798	0.99975	0.99987	0.99798	0.99894	0.99947	21.31427	5.65055	0.99815	0.99973	0.99986	0.99815	0.99897	0.99948
28	87	24.62831	5.44155	0.99798	0.99978	0.99989	0.99798	0.99901	0.99951	21.31427	5.28949	0.99815	0.99976	0.99988	0.99815	0.99904	0.99952
28	88	24.62831	5.07613	0.99798	0.99981	0.99991	0.99798	0.99908	0.99954	21.31427	4.94306	0.99815	0.99979	0.99990	0.99815	0.99911	0.99955
28	89	24.62831	4.72862	0.99798	0.99984	0.99992	0.99798	0.99915	0.99957	21.31427	4.61250	0.99815	0.99982	0.99991	0.99815	0.99917	0.99958

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
28	90	24.62831	4.40007	0.99798	0.99986	0.99993	0.99798	0.99921	0.99960	21.31427	4.29901	0.99815	0.99984	0.99992	0.99815	0.99923	0.99961
28	91	24.62831	4.09149	0.99798	0.99988	0.99994	0.99798	0.99927	0.99963	21.31427	4.00370	0.99815	0.99987	0.99993	0.99815	0.99928	0.99964
28	92	24.62831	3.80354	0.99798	0.99989	0.99995	0.99798	0.99932	0.99966	21.31427	3.72738	0.99815	0.99988	0.99994	0.99815	0.99933	0.99967
28	93	24.62831	3.53621	0.99798	0.99991	0.99995	0.99798	0.99937	0.99968	21.31427	3.47020	0.99815	0.99990	0.99995	0.99815	0.99938	0.99969
28	94	24.62831	3.28870	0.99798	0.99992	0.99996	0.99798	0.99941	0.99971	21.31427	3.23152	0.99815	0.99991	0.99996	0.99815	0.99942	0.99971
28	95	24.62831	3.05955	0.99798	0.99993	0.99997	0.99798	0.99945	0.99973	21.31427	3.01004	0.99815	0.99992	0.99996	0.99815	0.99946	0.99973
28	96	24.62831	2.84646	0.99798	0.99994	0.99997	0.99798	0.99949	0.99975	21.31427	2.80360	0.99815	0.99993	0.99997	0.99815	0.99950	0.99975
28	97	24.62831	2.65226	0.99798	0.99995	0.99997	0.99798	0.99953	0.99976	21.31427	2.61510	0.99815	0.99994	0.99997	0.99815	0.99954	0.99977
28	98	24.62831	2.47567	0.99798	0.99996	0.99998	0.99798	0.99956	0.99978	21.31427	2.44340	0.99815	0.99995	0.99998	0.99815	0.99957	0.99978
28	99	24.62831	2.31535	0.99798	0.99996	0.99998	0.99798	0.99959	0.99980	21.31427	2.28724	0.99815	0.99996	0.99998	0.99815	0.99960	0.99980
28	100	24.62831	2.16976	0.99798	0.99997	0.99998	0.99798	0.99962	0.99981	21.31427	2.14523	0.99815	0.99996	0.99998	0.99815	0.99962	0.99981
28	101	24.62831	2.03734	0.99798	0.99997	0.99999	0.99798	0.99964	0.99982	21.31427	2.01587	0.99815	0.99997	0.99998	0.99815	0.99965	0.99982
28	102	24.62831	1.91714	0.99798	0.99997	0.99999	0.99798	0.99967	0.99983	21.31427	1.89830	0.99815	0.99997	0.99999	0.99815	0.99967	0.99984
28	103	24.62831	1.80800	0.99798	0.99998	0.99999	0.99798	0.99969	0.99984	21.31427	1.79140	0.99815	0.99997	0.99999	0.99815	0.99969	0.99985
28	104	24.62831	1.70943	0.99798	0.99998	0.99999	0.99798	0.99971	0.99985	21.31427	1.69474	0.99815	0.99998	0.99999	0.99815	0.99971	0.99985
28	105	24.62831	1.62048	0.99798	0.99998	0.99999	0.99798	0.99972	0.99986	21.31427	1.60741	0.99815	0.99998	0.99999	0.99815	0.99973	0.99986
28	106	24.62831	1.54080	0.99798	0.99998	0.99999	0.99798	0.99974	0.99987	21.31427	1.52911	0.99815	0.99998	0.99999	0.99815	0.99974	0.99987
28	107	24.62831	1.47009	0.99798	0.99999	0.99999	0.99798	0.99975	0.99988	21.31427	1.45954	0.99815	0.99998	0.99999	0.99815	0.99975	0.99988
28	108	24.62831	1.40861	0.99798	0.99999	0.99999	0.99798	0.99976	0.99988	21.31427	1.39898	0.99815	0.99998	0.99999	0.99815	0.99976	0.99988
28	109	24.62831	1.35764	0.99798	0.99999	0.99999	0.99798	0.99977	0.99988	21.31427	1.34871	0.99815	0.99999	0.99999	0.99815	0.99977	0.99989
28	110	24.62831	1.32125	0.99798	0.99999	0.99999	0.99798	0.99978	0.99989	21.31427	1.31279	0.99815	0.99999	0.99999	0.99815	0.99978	0.99989
29	1	24.49901	26.72925	0.99783	0.91310	0.95457	0.99783	0.91277	0.95439	21.22928	22.57586	0.99801	0.93726	0.96761	0.99801	0.93705	0.96750
29	2	24.49901	26.68154	0.99783	0.91456	0.95537	0.99783	0.91422	0.95519	21.22928	22.55058	0.99801	0.93818	0.96810	0.99801	0.93797	0.96799
29	3	24.49901	26.63112	0.99783	0.91607	0.95620	0.99783	0.91572	0.95601	21.22928	22.52338	0.99801	0.93914	0.96861	0.99801	0.93892	0.96850
29	4	24.49901	26.57806	0.99783	0.91764	0.95705	0.99783	0.91727	0.95685	21.22928	22.49433	0.99801	0.94013	0.96914	0.99801	0.93990	0.96902
29	5	24.49901	26.52283	0.99783	0.91925	0.95793	0.99783	0.91886	0.95772	21.22928	22.46379	0.99801	0.94116	0.96969	0.99801	0.94092	0.96956
29	6	24.49901	26.46539	0.99783	0.92092	0.95883	0.99783	0.92051	0.95861	21.22928	22.43176	0.99801	0.94223	0.97026	0.99801	0.94198	0.97012
29	7	24.49901	26.40551	0.99783	0.92263	0.95976	0.99783	0.92219	0.95952	21.22928	22.39806	0.99801	0.94334	0.97084	0.99801	0.94307	0.97070
29	8	24.49901	26.34335	0.99783	0.92439	0.96071	0.99783	0.92393	0.96046	21.22928	22.36278	0.99801	0.94448	0.97145	0.99801	0.94420	0.97130
29	9	24.49901	26.27867	0.99783	0.92620	0.96168	0.99783	0.92571	0.96142	21.22928	22.32575	0.99801	0.94566	0.97207	0.99801	0.94536	0.97191
29	10	24.49901	26.21121	0.99783	0.92805	0.96268	0.99783	0.92754	0.96241	21.22928	22.28674	0.99801	0.94687	0.97271	0.99801	0.94656	0.97254
29	11	24.49901	26.14141	0.99783	0.92995	0.96370	0.99783	0.92940	0.96341	21.22928	22.24611	0.99801	0.94812	0.97337	0.99801	0.94779	0.97319
29	12	24.49901	26.06892	0.99783	0.93189	0.96474	0.99783	0.93131	0.96444	21.22928	22.20360	0.99801	0.94941	0.97405	0.99801	0.94905	0.97386
29	13	24.49901	25.99388	0.99783	0.93387	0.96581	0.99783	0.93326	0.96548	21.22928	22.15929	0.99801	0.95073	0.97474	0.99801	0.95035	0.97454
29	14	24.49901	25.91617	0.99783	0.93589	0.96688	0.99783	0.93525	0.96654	21.22928	22.11310	0.99801	0.95208	0.97545	0.99801	0.95167	0.97524
29	15	24.49901	25.83587	0.99783	0.93794	0.96798	0.99783	0.93726	0.96761	21.22928	22.06509	0.99801	0.95345	0.97617	0.99801	0.95303	0.97595
29	16	24.49901	25.75319	0.99783	0.94002	0.96908	0.99783	0.93930	0.96870	21.22928	22.01544	0.99801	0.95485	0.97691	0.99801	0.95441	0.97667
29	17	24.49901	25.66857	0.99783	0.94213	0.97020	0.99783	0.94137	0.96980	21.22928	21.96453	0.99801	0.95628	0.97765	0.99801	0.95581	0.97741
29	18	24.49901	25.58235	0.99783	0.94425	0.97133	0.99783	0.94346	0.97091	21.22928	21.91267	0.99801	0.95772	0.97840	0.99801	0.95723	0.97815
29	19	24.49901	25.49361	0.99783	0.94638	0.97245	0.99783	0.94556	0.97202	21.22928	21.85907	0.99801	0.95918	0.97916	0.99801	0.95867	0.97890
29	20	24.49901	25.40164	0.99783	0.94853	0.97358	0.99783	0.94766	0.97313	21.22928	21.80312	0.99801	0.96065	0.97993	0.99801	0.96012	0.97965

**BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
29	21	24.49901	25.30562	0.99783	0.95068	0.97471	0.99783	0.94977	0.97424	21.22928	21.74411	0.99801	0.96213	0.98070	0.99801	0.96157	0.98041	
29	22	24.49901	25.20517	0.99783	0.95282	0.97584	0.99783	0.95187	0.97534	21.22928	21.68171	0.99801	0.96362	0.98147	0.99801	0.96303	0.98117	
29	23	24.49901	25.09967	0.99783	0.95495	0.97696	0.99783	0.95396	0.97644	21.22928	21.61537	0.99801	0.96510	0.98224	0.99801	0.96449	0.98192	
29	24	24.49901	24.98936	0.99783	0.95707	0.97806	0.99783	0.95602	0.97752	21.22928	21.54528	0.99801	0.96658	0.98301	0.99801	0.96593	0.98267	
29	25	24.49901	24.87419	0.99783	0.95916	0.97915	0.99783	0.95806	0.97858	21.22928	21.47137	0.99801	0.96805	0.98377	0.99801	0.96737	0.98341	
29	26	24.49901	24.75420	0.99783	0.96122	0.98022	0.99783	0.96007	0.97963	21.22928	21.39367	0.99801	0.96950	0.98451	0.99801	0.96878	0.98414	
29	27	24.49901	24.62994	0.99783	0.96323	0.98127	0.99783	0.96203	0.98065	21.22928	21.31262	0.99801	0.97093	0.98525	0.99801	0.97018	0.98486	
29	28	24.49901	24.50119	0.99783	0.96519	0.98229	0.99783	0.96394	0.98164	21.22928	21.22804	0.99801	0.97233	0.98597	0.99801	0.97154	0.98557	
29	29	24.49901	24.36788	0.99783	0.96710	0.98328	0.99783	0.96580	0.98260	21.22928	21.13984	0.99801	0.97370	0.98668	0.99801	0.97288	0.98625	
29	30	24.49901	24.23009	0.99783	0.96895	0.98423	0.99783	0.96760	0.98354	21.22928	21.04806	0.99801	0.97504	0.98736	0.99801	0.97418	0.98692	
29	31	24.49901	24.08752	0.99783	0.97074	0.98515	0.99783	0.96934	0.98443	21.22928	20.95246	0.99801	0.97633	0.98803	0.99801	0.97544	0.98757	
29	32	24.49901	23.94006	0.99783	0.97246	0.98604	0.99783	0.97102	0.98529	21.22928	20.85289	0.99801	0.97759	0.98867	0.99801	0.97666	0.98819	
29	33	24.49901	23.78740	0.99783	0.97410	0.98688	0.99783	0.97262	0.98612	21.22928	20.74907	0.99801	0.97879	0.98928	0.99801	0.97783	0.98879	
29	34	24.49901	23.62942	0.99783	0.97567	0.98769	0.99783	0.97415	0.98691	21.22928	20.64088	0.99801	0.97996	0.98988	0.99801	0.97896	0.98937	
29	35	24.49901	23.46579	0.99783	0.97717	0.98845	0.99783	0.97561	0.98765	21.22928	20.52800	0.99801	0.98107	0.99044	0.99801	0.98004	0.98992	
29	36	24.49901	23.29632	0.99783	0.97859	0.98918	0.99783	0.97700	0.98836	21.22928	20.41023	0.99801	0.98213	0.99099	0.99801	0.98108	0.99045	
29	37	24.49901	23.12089	0.99783	0.97994	0.98987	0.99783	0.97831	0.98904	21.22928	20.28745	0.99801	0.98315	0.99150	0.99801	0.98206	0.99095	
29	38	24.49901	22.93911	0.99783	0.98122	0.99052	0.99783	0.97956	0.98967	21.22928	20.15926	0.99801	0.98412	0.99199	0.99801	0.98300	0.99143	
29	39	24.49901	22.75087	0.99783	0.98242	0.99113	0.99783	0.98073	0.99027	21.22928	20.02555	0.99801	0.98504	0.99246	0.99801	0.98390	0.99188	
29	40	24.49901	22.55572	0.99783	0.98356	0.99171	0.99783	0.98184	0.99084	21.22928	19.88587	0.99801	0.98591	0.99291	0.99801	0.98474	0.99231	
29	41	24.49901	22.35340	0.99783	0.98463	0.99225	0.99783	0.98289	0.99137	21.22928	19.73995	0.99801	0.98674	0.99332	0.99801	0.98555	0.99272	
29	42	24.49901	22.14385	0.99783	0.98563	0.99276	0.99783	0.98387	0.99187	21.22928	19.58769	0.99801	0.98752	0.99372	0.99801	0.98631	0.99311	
29	43	24.49901	21.92669	0.99783	0.98658	0.99324	0.99783	0.98480	0.99234	21.22928	19.42870	0.99801	0.98827	0.99410	0.99801	0.98703	0.99347	
29	44	24.49901	21.70178	0.99783	0.98746	0.99369	0.99783	0.98567	0.99278	21.22928	19.26280	0.99801	0.98897	0.99445	0.99801	0.98771	0.99382	
29	45	24.49901	21.46876	0.99783	0.98829	0.99411	0.99783	0.98648	0.99320	21.22928	19.08963	0.99801	0.98963	0.99479	0.99801	0.98835	0.99414	
29	46	24.49901	21.22763	0.99783	0.98907	0.99451	0.99783	0.98725	0.99358	21.22928	18.90911	0.99801	0.99026	0.99511	0.99801	0.98896	0.99445	
29	47	24.49901	20.97813	0.99783	0.98989	0.99488	0.99783	0.98797	0.99395	21.22928	18.72094	0.99801	0.99086	0.99541	0.99801	0.98954	0.99474	
29	48	24.49901	20.72003	0.99783	0.99049	0.99522	0.99783	0.98865	0.99429	21.22928	18.52488	0.99801	0.99142	0.99569	0.99801	0.99008	0.99502	
29	49	24.49901	20.45326	0.99783	0.99114	0.99555	0.99783	0.98929	0.99462	21.22928	18.32076	0.99801	0.99195	0.99596	0.99801	0.99060	0.99528	
29	50	24.49901	20.17742	0.99783	0.99175	0.99586	0.99783	0.98989	0.99492	21.22928	18.10816	0.99801	0.99245	0.99621	0.99801	0.99109	0.99552	
29	51	24.49901	19.89339	0.99783	0.99231	0.99614	0.99783	0.99046	0.99521	21.22928	17.88781	0.99801	0.99293	0.99645	0.99801	0.99155	0.99576	
29	52	24.49901	19.60122	0.99783	0.99285	0.99641	0.99783	0.99100	0.99548	21.22928	17.65967	0.99801	0.99338	0.99668	0.99801	0.99199	0.99598	
29	53	24.49901	19.30125	0.99783	0.99335	0.99666	0.99783	0.99150	0.99573	21.22928	17.42398	0.99801	0.99381	0.99689	0.99801	0.99241	0.99619	
29	54	24.49901	18.99375	0.99783	0.99382	0.99690	0.99783	0.99198	0.99597	21.22928	17.18091	0.99801	0.99421	0.99710	0.99801	0.99280	0.99639	
29	55	24.49901	18.67912	0.99783	0.99426	0.99712	0.99783	0.99243	0.99620	21.22928	16.93076	0.99801	0.99459	0.99729	0.99801	0.99318	0.99658	
29	56	24.49901	18.35803	0.99783	0.99467	0.99733	0.99783	0.99285	0.99641	21.22928	16.67407	0.99801	0.99495	0.99747	0.99801	0.99354	0.99676	
29	57	24.49901	18.02853	0.99783	0.99506	0.99752	0.99783	0.99326	0.99662	21.22928	16.40902	0.99801	0.99529	0.99764	0.99801	0.99388	0.99693	
29	58	24.49901	17.69065	0.99783	0.99543	0.99771	0.99783	0.99364	0.99681	21.22928	16.13552	0.99801	0.99561	0.99780	0.99801	0.99420	0.99709	
29	59	24.49901	17.34441	0.99783	0.99577	0.99788	0.99783	0.99400	0.99699	21.22928	15.85354	0.99801	0.99592	0.99795	0.99801	0.99451	0.99725	
29	60	24.49901	16.98967	0.99783	0.99609	0.99804	0.99783	0.99434	0.99716	21.22928	15.56284	0.99801	0.99621	0.99810	0.99801	0.99480	0.99740	
29	61	24.49901	16.62627	0.99783	0.99639	0.99819	0.99783	0.99466	0.99732	21.22928	15.26320	0.99801	0.99648	0.99823	0.99801	0.99508	0.99753	

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
29	62	24.49901	16.25423	0.99783	0.99667	0.99833	0.99783	0.99496	0.99747	21.22928	14.95454	0.99801	0.99673	0.99836	0.99801	0.99534	0.99767
29	63	24.49901	15.87341	0.99783	0.99693	0.99846	0.99783	0.99525	0.99762	21.22928	14.63664	0.99801	0.99697	0.99848	0.99801	0.99559	0.99779
29	64	24.49901	15.48353	0.99783	0.99718	0.99859	0.99783	0.99552	0.99775	21.22928	14.30913	0.99801	0.99720	0.99860	0.99801	0.99583	0.99791
29	65	24.49901	15.08480	0.99783	0.99740	0.99870	0.99783	0.99577	0.99788	21.22928	13.97213	0.99801	0.99741	0.99870	0.99801	0.99606	0.99802
29	66	24.49901	14.67724	0.99783	0.99762	0.99881	0.99783	0.99601	0.99800	21.22928	13.62552	0.99801	0.99761	0.99880	0.99801	0.99627	0.99813
29	67	24.49901	14.26104	0.99783	0.99782	0.99891	0.99783	0.99624	0.99812	21.22928	13.26940	0.99801	0.99780	0.99890	0.99801	0.99647	0.99823
29	68	24.49901	13.83657	0.99783	0.99800	0.99900	0.99783	0.99645	0.99822	21.22928	12.90401	0.99801	0.99798	0.99899	0.99801	0.99666	0.99833
29	69	24.49901	13.40435	0.99783	0.99817	0.99909	0.99783	0.99665	0.99832	21.22928	12.52973	0.99801	0.99814	0.99907	0.99801	0.99684	0.99842
29	70	24.49901	12.96501	0.99783	0.99833	0.99917	0.99783	0.99684	0.99842	21.22928	12.14706	0.99801	0.99829	0.99915	0.99801	0.99701	0.99850
29	71	24.49901	12.51927	0.99783	0.99848	0.99924	0.99783	0.99702	0.99851	21.22928	11.75658	0.99801	0.99844	0.99922	0.99801	0.99718	0.99859
29	72	24.49901	12.06792	0.99783	0.99862	0.99931	0.99783	0.99719	0.99859	21.22928	11.35893	0.99801	0.99857	0.99929	0.99801	0.99733	0.99866
29	73	24.49901	11.61185	0.99783	0.99875	0.99937	0.99783	0.99735	0.99867	21.22928	10.95491	0.99801	0.99870	0.99935	0.99801	0.99748	0.99874
29	74	24.49901	11.15217	0.99783	0.99887	0.99943	0.99783	0.99750	0.99875	21.22928	10.54549	0.99801	0.99882	0.99941	0.99801	0.99762	0.99881
29	75	24.49901	10.68986	0.99783	0.99897	0.99949	0.99783	0.99765	0.99882	21.22928	10.13154	0.99801	0.99893	0.99946	0.99801	0.99775	0.99887
29	76	24.49901	10.22626	0.99783	0.99908	0.99954	0.99783	0.99778	0.99889	21.22928	9.71428	0.99801	0.99903	0.99951	0.99801	0.99788	0.99894
29	77	24.49901	9.76277	0.99783	0.99917	0.99958	0.99783	0.99791	0.99896	21.22928	9.29502	0.99801	0.99912	0.99956	0.99801	0.99800	0.99900
29	78	24.49901	9.30064	0.99783	0.99926	0.99963	0.99783	0.99804	0.99902	21.22928	8.87492	0.99801	0.99921	0.99961	0.99801	0.99811	0.99906
29	79	24.49901	8.84103	0.99783	0.99934	0.99967	0.99783	0.99816	0.99908	21.22928	8.45509	0.99801	0.99929	0.99965	0.99801	0.99822	0.99911
29	80	24.49901	8.38551	0.99783	0.99941	0.99970	0.99783	0.99827	0.99913	21.22928	8.03703	0.99801	0.99937	0.99968	0.99801	0.99833	0.99916
29	81	24.49901	7.93532	0.99783	0.99947	0.99974	0.99783	0.99838	0.99919	21.22928	7.62196	0.99801	0.99944	0.99972	0.99801	0.99843	0.99921
29	82	24.49901	7.49211	0.99783	0.99954	0.99977	0.99783	0.99848	0.99924	21.22928	7.21152	0.99801	0.99950	0.99975	0.99801	0.99853	0.99926
29	83	24.49901	7.05756	0.99783	0.99959	0.99980	0.99783	0.99858	0.99929	21.22928	6.80735	0.99801	0.99956	0.99978	0.99801	0.99862	0.99931
29	84	24.49901	6.63342	0.99783	0.99964	0.99982	0.99783	0.99867	0.99933	21.22928	6.41122	0.99801	0.99961	0.99981	0.99801	0.99871	0.99935
29	85	24.49901	6.22156	0.99783	0.99968	0.99984	0.99783	0.99876	0.99938	21.22928	6.02503	0.99801	0.99966	0.99983	0.99801	0.99879	0.99940
29	86	24.49901	5.82374	0.99783	0.99972	0.99986	0.99783	0.99884	0.99942	21.22928	5.65055	0.99801	0.99970	0.99985	0.99801	0.99887	0.99944
29	87	24.49901	5.44155	0.99783	0.99976	0.99988	0.99783	0.99892	0.99946	21.22928	5.28949	0.99801	0.99974	0.99987	0.99801	0.99895	0.99947
29	88	24.49901	5.07613	0.99783	0.99979	0.99990	0.99783	0.99900	0.99950	21.22928	4.94306	0.99801	0.99977	0.99989	0.99801	0.99902	0.99951
29	89	24.49901	4.72862	0.99783	0.99982	0.99991	0.99783	0.99907	0.99953	21.22928	4.61250	0.99801	0.99980	0.99990	0.99801	0.99909	0.99954
29	90	24.49901	4.40007	0.99783	0.99984	0.99992	0.99783	0.99913	0.99957	21.22928	4.29901	0.99801	0.99983	0.99991	0.99801	0.99915	0.99958
29	91	24.49901	4.09149	0.99783	0.99987	0.99993	0.99783	0.99919	0.99960	21.22928	4.00370	0.99801	0.99985	0.99993	0.99801	0.99921	0.99960
29	92	24.49901	3.80354	0.99783	0.99988	0.99994	0.99783	0.99925	0.99962	21.22928	3.72738	0.99801	0.99987	0.99994	0.99801	0.99927	0.99963
29	93	24.49901	3.53621	0.99783	0.99990	0.99995	0.99783	0.99930	0.99965	21.22928	3.47020	0.99801	0.99989	0.99994	0.99801	0.99932	0.99966
29	94	24.49901	3.28870	0.99783	0.99991	0.99996	0.99783	0.99935	0.99968	21.22928	3.23152	0.99801	0.99990	0.99995	0.99801	0.99936	0.99968
29	95	24.49901	3.05955	0.99783	0.99992	0.99996	0.99940	0.99940	0.99970	21.22928	3.01004	0.99801	0.99992	0.99996	0.99801	0.99941	0.99970
29	96	24.49901	2.84646	0.99783	0.99993	0.99997	0.99783	0.99944	0.99972	21.22928	2.80360	0.99801	0.99993	0.99996	0.99801	0.99945	0.99972
29	97	24.49901	2.65226	0.99783	0.99994	0.99997	0.99783	0.99948	0.99974	21.22928	2.61510	0.99801	0.99994	0.99997	0.99801	0.99949	0.99974
29	98	24.49901	2.47567	0.99783	0.99995	0.99998	0.99783	0.99951	0.99976	21.22928	2.44340	0.99801	0.99994	0.99997	0.99801	0.99952	0.99976
29	99	24.49901	2.31535	0.99783	0.99996	0.99998	0.99783	0.99955	0.99977	21.22928	2.28724	0.99801	0.99995	0.99998	0.99801	0.99955	0.99978
29	100	24.49901	2.16976	0.99783	0.99996	0.99998	0.99783	0.99958	0.99979	21.22928	2.14523	0.99801	0.99996	0.99998	0.99801	0.99958	0.99979
29	101	24.49901	2.03734	0.99783	0.99997	0.99998	0.99783	0.99960	0.99980	21.22928	2.01587	0.99801	0.99996	0.99998	0.99801	0.99961	0.99980
29	102	24.49901	1.91714	0.99783	0.99997	0.99999	0.99783	0.99963	0.99981	21.22928	1.89830	0.99801	0.99997	0.99998	0.99801	0.99963	0.99982

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Beneficiary</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuit Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuit Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
29	103	24.49901	1.80800	0.99783	0.99997	0.99999	0.99783	0.99965	0.99983			21.22928	1.79140	0.99801	0.99997	0.99999	0.99801	0.99966	0.99983		
29	104	24.49901	1.70943	0.99783	0.99998	0.99999	0.99783	0.99967	0.99984			21.22928	1.69474	0.99801	0.99997	0.99999	0.99801	0.99968	0.99984		
29	105	24.49901	1.62048	0.99783	0.99998	0.99999	0.99783	0.99969	0.99985			21.22928	1.60741	0.99801	0.99998	0.99999	0.99801	0.99969	0.99985		
29	106	24.49901	1.54080	0.99783	0.99998	0.99999	0.99783	0.99971	0.99985			21.22928	1.52911	0.99801	0.99998	0.99999	0.99801	0.99971	0.99986		
29	107	24.49901	1.47009	0.99783	0.99998	0.99999	0.99783	0.99972	0.99986			21.22928	1.45954	0.99801	0.99998	0.99999	0.99801	0.99972	0.99986		
29	108	24.49901	1.40861	0.99783	0.99998	0.99999	0.99783	0.99973	0.99987			21.22928	1.39898	0.99801	0.99998	0.99999	0.99801	0.99974	0.99987		
29	109	24.49901	1.35764	0.99783	0.99999	0.99999	0.99783	0.99974	0.99987			21.22928	1.34871	0.99801	0.99998	0.99999	0.99801	0.99975	0.99987		
29	110	24.49901	1.32125	0.99783	0.99999	0.99999	0.99783	0.99975	0.99987			21.22928	1.31279	0.99801	0.99998	0.99999	0.99801	0.99975	0.99988		
30	1	24.36525	26.72925	0.99767	0.90825	0.95192	0.99767	0.90791	0.95173			21.14075	22.57586	0.99786	0.93345	0.96558	0.99786	0.93324	0.96547		
30	2	24.36525	26.68154	0.99767	0.90971	0.95272	0.99767	0.90937	0.95253			21.14075	22.55058	0.99786	0.93438	0.96608	0.99786	0.93416	0.96596		
30	3	24.36525	26.63112	0.99767	0.91124	0.95356	0.99767	0.91088	0.95336			21.14075	22.52338	0.99786	0.93534	0.96659	0.99786	0.93512	0.96647		
30	4	24.36525	26.57806	0.99767	0.91281	0.95442	0.99767	0.91243	0.95421			21.14075	22.49433	0.99786	0.93635	0.96713	0.99786	0.93611	0.96700		
30	5	24.36525	26.52283	0.99767	0.91443	0.95530	0.99767	0.91404	0.95509			21.14075	22.46379	0.99786	0.93739	0.96768	0.99786	0.93714	0.96755		
30	6	24.36525	26.46539	0.99767	0.91610	0.95622	0.99767	0.91569	0.95599			21.14075	22.43176	0.99786	0.93846	0.96826	0.99786	0.93820	0.96812		
30	7	24.36525	26.40551	0.99767	0.91783	0.95715	0.99767	0.91739	0.95692			21.14075	22.39806	0.99786	0.93958	0.96885	0.99786	0.93931	0.96870		
30	8	24.36525	26.34335	0.99767	0.91961	0.95812	0.99767	0.91914	0.95787			21.14075	22.36278	0.99786	0.94074	0.96946	0.99786	0.94045	0.96931		
30	9	24.36525	26.27867	0.99767	0.92143	0.95911	0.99767	0.92094	0.95884			21.14075	22.32575	0.99786	0.94193	0.97010	0.99786	0.94162	0.96993		
30	10	24.36525	26.21121	0.99767	0.92331	0.96013	0.99767	0.92279	0.95984			21.14075	22.28674	0.99786	0.94317	0.97075	0.99786	0.94284	0.97058		
30	11	24.36525	26.14141	0.99767	0.92523	0.96117	0.99767	0.92468	0.96087			21.14075	22.24611	0.99786	0.94444	0.97142	0.99786	0.94409	0.97124		
30	12	24.36525	26.06892	0.99767	0.92720	0.96223	0.99767	0.92662	0.96191			21.14075	22.20360	0.99786	0.94574	0.97212	0.99786	0.94538	0.97192		
30	13	24.36525	25.99388	0.99767	0.92922	0.96331	0.99767	0.92860	0.96298			21.14075	22.15929	0.99786	0.94709	0.97283	0.99786	0.94670	0.97262		
30	14	24.36525	25.91617	0.99767	0.93128	0.96442	0.99767	0.93062	0.96406			21.14075	22.11310	0.99786	0.94847	0.97355	0.99786	0.94806	0.97334		
30	15	24.36525	25.83587	0.99767	0.93337	0.96554	0.99767	0.93268	0.96517			21.14075	22.06509	0.99786	0.94988	0.97429	0.99786	0.94944	0.97407		
30	16	24.36525	25.75319	0.99767	0.93550	0.96668	0.99767	0.93477	0.96629			21.14075	22.01544	0.99786	0.95132	0.97505	0.99786	0.95086	0.97481		
30	17	24.36525	25.66857	0.99767	0.93766	0.96783	0.99767	0.93689	0.96742			21.14075	21.96453	0.99786	0.95278	0.97582	0.99786	0.95230	0.97557		
30	18	24.36525	25.58235	0.99767	0.93985	0.96899	0.99767	0.93904	0.96856			21.14075	21.91267	0.99786	0.95427	0.97660	0.99786	0.95377	0.97634		
30	19	24.36525	25.49361	0.99767	0.94205	0.97016	0.99767	0.94121	0.96971			21.14075	21.85907	0.99786	0.95578	0.97739	0.99786	0.95526	0.97712		
30	20	24.36525	25.40164	0.99767	0.94427	0.97134	0.99767	0.94339	0.97087			21.14075	21.80312	0.99786	0.95731	0.97819	0.99786	0.95676	0.97790		
30	21	24.36525	25.30562	0.99767	0.94650	0.97251	0.99767	0.94558	0.97203			21.14075	21.74411	0.99786	0.95885	0.97899	0.99786	0.95827	0.97869		
30	22	24.36525	25.20517	0.99767	0.94873	0.97369	0.99767	0.94776	0.97318			21.14075	21.68171	0.99786	0.96040	0.97980	0.99786	0.95980	0.97949		
30	23	24.36525	25.09967	0.99767	0.95097	0.97487	0.99767	0.94995	0.97433			21.14075	21.61537	0.99786	0.96196	0.98061	0.99786	0.96132	0.98028		
30	24	24.36525	24.98936	0.99767	0.95319	0.97603	0.99767	0.95212	0.97547			21.14075	21.54528	0.99786	0.96352	0.98142	0.99786	0.96285	0.98107		
30	25	24.36525	24.87419	0.99767	0.95539	0.97719	0.99767	0.95426	0.97660			21.14075	21.47137	0.99786	0.96507	0.98222	0.99786	0.96436	0.98186		
30	26	24.36525	24.75420	0.99767	0.95757	0.97832	0.99767	0.95638	0.97770			21.14075	21.39367	0.99786	0.96661	0.98302	0.99786	0.96586	0.98264		
30	27	24.36525	24.62994	0.99767	0.95971	0.97944	0.99767	0.95846	0.97879			21.14075	21.31262	0.99786	0.96813	0.98381	0.99786	0.96735	0.98340		
30	28	24.36525	24.50119	0.99767	0.96180	0.98053	0.99767	0.96050	0.97985			21.14075	21.22804	0.99786	0.96963	0.98458	0.99786	0.96881	0.98416		
30	29	24.36525	24.36788	0.99767	0.96385	0.98159	0.99767	0.96249	0.98089			21.14075	21.13984	0.99786	0.97110	0.98534	0.99786	0.97024	0.98489		
30	30	24.36525	24.23009	0.99767	0.96584	0.98262	0.99767	0.96443	0.98189			21.14075	21.04806	0.99786	0.97254	0.98608	0.99786	0.97164	0.98561		
30	31	24.36525	24.08752	0.99767	0.96776	0.98362	0.99767	0.96630	0.98286			21.14075	20.95246	0.99786	0.97394	0.98680	0.99786	0.97300	0.98631		
30	32	24.36525	23.94006	0.99767	0.96962	0.98458	0.99767	0.96811	0.98380			21.14075	20.85289	0.99786	0.97529	0.98749	0.99786	0.97432	0.98699		
30	33	24.36525	23.78740	0.99767	0.97141	0.98550	0.99767	0.96985	0.98470			21.14075	20.74907	0.99786	0.97661	0.98817	0.99786	0.97560	0.98765		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
30	34	24.36525	23.62942	0.99767	0.97312	0.98638	0.99767	0.97152	0.98556	21.14075	20.64088	0.99786	0.97788	0.98881	0.99786	0.97683	0.98828
30	35	24.36525	23.46579	0.99767	0.97476	0.98722	0.99767	0.97312	0.98638	21.14075	20.52800	0.99786	0.97909	0.98944	0.99786	0.97801	0.98888
30	36	24.36525	23.29632	0.99767	0.97632	0.98802	0.99767	0.97464	0.98716	21.14075	20.41023	0.99786	0.98026	0.99003	0.99786	0.97915	0.98946
30	37	24.36525	23.12089	0.99767	0.97781	0.98878	0.99767	0.97608	0.98790	21.14075	20.28745	0.99786	0.98138	0.99060	0.99786	0.98023	0.99002
30	38	24.36525	22.93911	0.99767	0.97921	0.98950	0.99767	0.97745	0.98860	21.14075	20.15926	0.99786	0.98245	0.99115	0.99786	0.98126	0.99054
30	39	24.36525	22.75087	0.99767	0.98054	0.99018	0.99767	0.97875	0.98926	21.14075	20.02555	0.99786	0.98346	0.99166	0.99786	0.98225	0.99104
30	40	24.36525	22.55572	0.99767	0.98180	0.99082	0.99767	0.97997	0.98989	21.14075	19.88587	0.99786	0.98443	0.99215	0.99786	0.98318	0.99152
30	41	24.36525	22.35340	0.99767	0.98298	0.99142	0.99767	0.98113	0.99048	21.14075	19.73995	0.99786	0.98535	0.99262	0.99786	0.98407	0.99197
30	42	24.36525	22.14385	0.99767	0.98410	0.99199	0.99767	0.98222	0.99103	21.14075	19.58769	0.99786	0.98622	0.99306	0.99786	0.98491	0.99240
30	43	24.36525	21.92669	0.99767	0.98515	0.99252	0.99767	0.98324	0.99155	21.14075	19.42870	0.99786	0.98704	0.99348	0.99786	0.98571	0.99280
30	44	24.36525	21.70178	0.99767	0.98613	0.99302	0.99767	0.98421	0.99204	21.14075	19.26280	0.99786	0.98782	0.99387	0.99786	0.98647	0.99319
30	45	24.36525	21.46876	0.99767	0.98705	0.99349	0.99767	0.98512	0.99250	21.14075	19.08963	0.99786	0.98856	0.99425	0.99786	0.98718	0.99355
30	46	24.36525	21.22763	0.99767	0.98792	0.99392	0.99767	0.98597	0.99293	21.14075	18.90911	0.99786	0.98926	0.99460	0.99786	0.98786	0.99389
30	47	24.36525	20.97813	0.99767	0.98874	0.99434	0.99767	0.98677	0.99334	21.14075	18.72094	0.99786	0.98992	0.99493	0.99786	0.98850	0.99421
30	48	24.36525	20.72003	0.99767	0.98950	0.99472	0.99767	0.98752	0.99372	21.14075	18.52488	0.99786	0.99054	0.99525	0.99786	0.98910	0.99452
30	49	24.36525	20.45326	0.99767	0.99022	0.99508	0.99767	0.98823	0.99408	21.14075	18.32076	0.99786	0.99113	0.99555	0.99786	0.98967	0.99481
30	50	24.36525	20.17742	0.99767	0.99089	0.99542	0.99767	0.98890	0.99442	21.14075	18.10816	0.99786	0.99169	0.99583	0.99786	0.99021	0.99508
30	51	24.36525	19.89339	0.99767	0.99152	0.99574	0.99767	0.98953	0.99474	21.14075	17.88781	0.99786	0.99222	0.99609	0.99786	0.99073	0.99534
30	52	24.36525	19.60122	0.99767	0.99211	0.99604	0.99767	0.99012	0.99503	21.14075	17.65967	0.99786	0.99272	0.99634	0.99786	0.99122	0.99559
30	53	24.36525	19.30125	0.99767	0.99267	0.99632	0.99767	0.99068	0.99532	21.14075	17.42398	0.99786	0.99319	0.99658	0.99786	0.99168	0.99582
30	54	24.36525	18.99375	0.99767	0.99319	0.99658	0.99767	0.99120	0.99558	21.14075	17.18091	0.99786	0.99363	0.99681	0.99786	0.99212	0.99604
30	55	24.36525	18.67912	0.99767	0.99368	0.99683	0.99767	0.99170	0.99583	21.14075	16.93076	0.99786	0.99405	0.99702	0.99786	0.99253	0.99625
30	56	24.36525	18.35803	0.99767	0.99413	0.99706	0.99767	0.99217	0.99607	21.14075	16.67407	0.99786	0.99445	0.99722	0.99786	0.99293	0.99645
30	57	24.36525	18.02853	0.99767	0.99456	0.99727	0.99767	0.99261	0.99629	21.14075	16.40902	0.99786	0.99483	0.99741	0.99786	0.99330	0.99664
30	58	24.36525	17.69065	0.99767	0.99497	0.99748	0.99767	0.99303	0.99650	21.14075	16.13552	0.99786	0.99518	0.99759	0.99786	0.99366	0.99682
30	59	24.36525	17.34441	0.99767	0.99535	0.99767	0.99767	0.99343	0.99670	21.14075	15.85354	0.99786	0.99552	0.99776	0.99786	0.99400	0.99699
30	60	24.36525	16.98967	0.99767	0.99570	0.99785	0.99767	0.99381	0.99689	21.14075	15.56284	0.99786	0.99584	0.99791	0.99786	0.99432	0.99715
30	61	24.36525	16.62627	0.99767	0.99603	0.99801	0.99767	0.99416	0.99707	21.14075	15.26320	0.99786	0.99614	0.99806	0.99786	0.99463	0.99731
30	62	24.36525	16.25423	0.99767	0.99634	0.99817	0.99767	0.99450	0.99724	21.14075	14.95454	0.99786	0.99642	0.99821	0.99786	0.99492	0.99745
30	63	24.36525	15.87341	0.99767	0.99663	0.99831	0.99767	0.99481	0.99740	21.14075	14.63664	0.99786	0.99668	0.99834	0.99786	0.99520	0.99759
30	64	24.36525	15.48353	0.99767	0.99690	0.99845	0.99767	0.99511	0.99755	21.14075	14.30913	0.99786	0.99693	0.99847	0.99786	0.99546	0.99772
30	65	24.36525	15.08480	0.99767	0.99716	0.99858	0.99767	0.99539	0.99769	21.14075	13.97213	0.99786	0.99717	0.99858	0.99786	0.99571	0.99785
30	66	24.36525	14.67724	0.99767	0.99739	0.99869	0.99767	0.99566	0.99783	21.14075	13.62552	0.99786	0.99739	0.99869	0.99786	0.99594	0.99797
30	67	24.36525	14.26104	0.99767	0.99761	0.99880	0.99767	0.99591	0.99795	21.14075	13.26940	0.99786	0.99760	0.99880	0.99786	0.99616	0.99808
30	68	24.36525	13.83657	0.99767	0.99782	0.99891	0.99767	0.99615	0.99807	21.14075	12.90401	0.99786	0.99779	0.99889	0.99786	0.99637	0.99818
30	69	24.36525	13.40435	0.99767	0.99801	0.99900	0.99767	0.99637	0.99818	21.14075	12.52973	0.99786	0.99797	0.99899	0.99786	0.99657	0.99828
30	70	24.36525	12.96501	0.99767	0.99818	0.99909	0.99767	0.99658	0.99829	21.14075	12.14706	0.99786	0.99814	0.99907	0.99786	0.99676	0.99838
30	71	24.36525	12.51927	0.99767	0.99835	0.99917	0.99767	0.99677	0.99838	21.14075	11.75658	0.99786	0.99830	0.99915	0.99786	0.99694	0.99847
30	72	24.36525	12.06792	0.99767	0.99850	0.99925	0.99767	0.99696	0.99848	21.14075	11.35893	0.99786	0.99845	0.99922	0.99786	0.99711	0.99855
30	73	24.36525	11.61185	0.99767	0.99864	0.99932	0.99767	0.99714	0.99857	21.14075	10.95491	0.99786	0.99859	0.99929	0.99786	0.99727	0.99863
30	74	24.36525	11.15217	0.99767	0.99877	0.99938	0.99767	0.99730	0.99865	21.14075	10.54549	0.99786	0.99872	0.99936	0.99786	0.99742	0.99871

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
30	75	24.36525	10.68986	0.99767	0.99889	0.99944	0.99767	0.99746	0.99873	21.14075	10.13154	0.99786	0.99883	0.99942	0.99786	0.99757	0.99878
30	76	24.36525	10.22626	0.99767	0.99900	0.99950	0.99767	0.99761	0.99880	21.14075	9.71428	0.99786	0.99895	0.99947	0.99786	0.99770	0.99885
30	77	24.36525	9.76277	0.99767	0.99910	0.99955	0.99767	0.99775	0.99887	21.14075	9.29502	0.99786	0.99905	0.99952	0.99786	0.99783	0.99892
30	78	24.36525	9.30064	0.99767	0.99919	0.99960	0.99767	0.99788	0.99894	21.14075	8.87492	0.99786	0.99914	0.99957	0.99786	0.99796	0.99898
30	79	24.36525	8.84103	0.99767	0.99928	0.99964	0.99767	0.99801	0.99900	21.14075	8.45509	0.99786	0.99923	0.99962	0.99786	0.99808	0.99904
30	80	24.36525	8.38551	0.99767	0.99936	0.99968	0.99767	0.99813	0.99906	21.14075	8.03703	0.99786	0.99931	0.99966	0.99786	0.99819	0.99910
30	81	24.36525	7.93532	0.99767	0.99943	0.99971	0.99767	0.99824	0.99912	21.14075	7.62196	0.99786	0.99939	0.99969	0.99786	0.99830	0.99915
30	82	24.36525	7.49211	0.99767	0.99949	0.99975	0.99767	0.99835	0.99918	21.14075	7.21152	0.99786	0.99946	0.99973	0.99786	0.99841	0.99920
30	83	24.36525	7.05756	0.99767	0.99955	0.99978	0.99767	0.99846	0.99923	21.14075	6.80735	0.99786	0.99952	0.99976	0.99786	0.99850	0.99925
30	84	24.36525	6.63342	0.99767	0.99961	0.99980	0.99767	0.99856	0.99928	21.14075	6.41122	0.99786	0.99958	0.99979	0.99786	0.99860	0.99930
30	85	24.36525	6.22156	0.99767	0.99966	0.99983	0.99767	0.99865	0.99933	21.14075	6.02503	0.99786	0.99963	0.99981	0.99786	0.99869	0.99934
30	86	24.36525	5.82374	0.99767	0.99970	0.99985	0.99767	0.99874	0.99937	21.14075	5.65055	0.99786	0.99967	0.99984	0.99786	0.99877	0.99939
30	87	24.36525	5.44155	0.99767	0.99974	0.99987	0.99767	0.99883	0.99941	21.14075	5.28949	0.99786	0.99971	0.99986	0.99786	0.99886	0.99943
30	88	24.36525	5.07613	0.99767	0.99977	0.99989	0.99767	0.99891	0.99945	21.14075	4.94306	0.99786	0.99975	0.99988	0.99786	0.99893	0.99947
30	89	24.36525	4.72862	0.99767	0.99980	0.99990	0.99767	0.99898	0.99949	21.14075	4.61250	0.99786	0.99978	0.99989	0.99786	0.99900	0.99950
30	90	24.36525	4.40007	0.99767	0.99983	0.99991	0.99767	0.99905	0.99953	21.14075	4.29901	0.99786	0.99981	0.99991	0.99786	0.99907	0.99954
30	91	24.36525	4.09149	0.99767	0.99985	0.99993	0.99767	0.99912	0.99956	21.14075	4.00370	0.99786	0.99984	0.99992	0.99786	0.99914	0.99957
30	92	24.36525	3.80354	0.99767	0.99987	0.99994	0.99767	0.99918	0.99959	21.14075	3.72738	0.99786	0.99986	0.99993	0.99786	0.99920	0.99960
30	93	24.36525	3.53621	0.99767	0.99989	0.99994	0.99767	0.99924	0.99962	21.14075	3.47020	0.99786	0.99988	0.99994	0.99786	0.99925	0.99963
30	94	24.36525	3.28870	0.99767	0.99990	0.99995	0.99767	0.99929	0.99964	21.14075	3.23152	0.99786	0.99989	0.99995	0.99786	0.99930	0.99965
30	95	24.36525	3.05955	0.99767	0.99992	0.99996	0.99767	0.99934	0.99967	21.14075	3.01004	0.99786	0.99991	0.99995	0.99786	0.99935	0.99967
30	96	24.36525	2.84646	0.99767	0.99993	0.99996	0.99767	0.99938	0.99969	21.14075	2.80360	0.99786	0.99992	0.99996	0.99786	0.99939	0.99970
30	97	24.36525	2.65226	0.99767	0.99994	0.99997	0.99767	0.99943	0.99971	21.14075	2.61510	0.99786	0.99993	0.99997	0.99786	0.99943	0.99972
30	98	24.36525	2.47567	0.99767	0.99995	0.99997	0.99767	0.99946	0.99973	21.14075	2.44340	0.99786	0.99994	0.99997	0.99786	0.99947	0.99974
30	99	24.36525	2.31535	0.99767	0.99995	0.99998	0.99767	0.99950	0.99975	21.14075	2.28724	0.99786	0.99995	0.99997	0.99786	0.99951	0.99975
30	100	24.36525	2.16976	0.99767	0.99996	0.99998	0.99767	0.99953	0.99977	21.14075	2.14523	0.99786	0.99995	0.99998	0.99786	0.99954	0.99977
30	101	24.36525	2.03734	0.99767	0.99996	0.99998	0.99767	0.99956	0.99978	21.14075	2.01587	0.99786	0.99996	0.99998	0.99786	0.99957	0.99978
30	102	24.36525	1.91714	0.99767	0.99997	0.99998	0.99767	0.99959	0.99979	21.14075	1.89830	0.99786	0.99996	0.99998	0.99786	0.99959	0.99980
30	103	24.36525	1.80800	0.99767	0.99997	0.99999	0.99767	0.99961	0.99981	21.14075	1.79140	0.99786	0.99997	0.99998	0.99786	0.99962	0.99981
30	104	24.36525	1.70943	0.99767	0.99997	0.99999	0.99767	0.99964	0.99982	21.14075	1.69474	0.99786	0.99997	0.99999	0.99786	0.99964	0.99982
30	105	24.36525	1.62048	0.99767	0.99998	0.99999	0.99767	0.99966	0.99983	21.14075	1.60741	0.99786	0.99997	0.99999	0.99786	0.99966	0.99983
30	106	24.36525	1.54080	0.99767	0.99998	0.99999	0.99767	0.99967	0.99984	21.14075	1.52911	0.99786	0.99998	0.99999	0.99786	0.99968	0.99984
30	107	24.36525	1.47009	0.99767	0.99998	0.99999	0.99767	0.99969	0.99984	21.14075	1.45954	0.99786	0.99998	0.99999	0.99786	0.99969	0.99985
30	108	24.36525	1.40861	0.99767	0.99998	0.99999	0.99767	0.99970	0.99985	21.14075	1.39898	0.99786	0.99998	0.99999	0.99786	0.99971	0.99985
30	109	24.36525	1.35764	0.99767	0.99998	0.99999	0.99767	0.99971	0.99986	21.14075	1.34871	0.99786	0.99998	0.99999	0.99786	0.99972	0.99986
30	110	24.36525	1.32125	0.99767	0.99998	0.99999	0.99767	0.99972	0.99986	21.14075	1.31279	0.99786	0.99998	0.99999	0.99786	0.99972	0.99986
31	1	24.22701	26.72925	0.99752	0.90322	0.94915	0.99752	0.90288	0.94896	21.04865	22.57586	0.99772	0.92948	0.96345	0.99772	0.92926	0.96334
31	2	24.22701	26.68154	0.99752	0.90469	0.94996	0.99752	0.90434	0.94977	21.04865	22.55058	0.99772	0.93041	0.96395	0.99772	0.93019	0.96383
31	3	24.22701	26.63112	0.99752	0.90622	0.95080	0.99752	0.90585	0.95060	21.04865	22.52338	0.99772	0.93138	0.96447	0.99772	0.93115	0.96435
31	4	24.22701	26.57806	0.99752	0.90780	0.95167	0.99752	0.90742	0.95146	21.04865	22.49433	0.99772	0.93239	0.96501	0.99772	0.93215	0.96488
31	5	24.22701	26.52283	0.99752	0.90943	0.95257	0.99752	0.90903	0.95235	21.04865	22.46379	0.99772	0.93344	0.96557	0.99772	0.93319	0.96544

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
31	6	24.22701	26.46539	0.99752	0.91111	0.95349	0.99752	0.91069	0.95326	21.04865	22.43176	0.99772	0.93453	0.96616	0.99772	0.93426	0.96601
31	7	24.22701	26.40551	0.99752	0.91285	0.95444	0.99752	0.91240	0.95420	21.04865	22.39806	0.99772	0.93566	0.96676	0.99772	0.93537	0.96661
31	8	24.22701	26.34335	0.99752	0.91464	0.95542	0.99752	0.91417	0.95516	21.04865	22.36278	0.99772	0.93682	0.96738	0.99772	0.93653	0.96722
31	9	24.22701	26.27867	0.99752	0.91648	0.95642	0.99752	0.91598	0.95615	21.04865	22.32575	0.99772	0.93803	0.96803	0.99772	0.93772	0.96786
31	10	24.22701	26.21121	0.99752	0.91838	0.95745	0.99752	0.91785	0.95717	21.04865	22.28674	0.99772	0.93928	0.96869	0.99772	0.93895	0.96851
31	11	24.22701	26.14141	0.99752	0.92032	0.95851	0.99752	0.91976	0.95821	21.04865	22.24611	0.99772	0.94057	0.96938	0.99772	0.94022	0.96919
31	12	24.22701	26.06892	0.99752	0.92232	0.95959	0.99752	0.92173	0.95927	21.04865	22.20360	0.99772	0.94190	0.97008	0.99772	0.94153	0.96988
31	13	24.22701	25.99388	0.99752	0.92437	0.96070	0.99752	0.92374	0.96036	21.04865	22.15929	0.99772	0.94327	0.97081	0.99772	0.94287	0.97060
31	14	24.22701	25.91617	0.99752	0.92646	0.96182	0.99752	0.92579	0.96147	21.04865	22.11310	0.99772	0.94468	0.97155	0.99772	0.94426	0.97133
31	15	24.22701	25.83587	0.99752	0.92859	0.96297	0.99752	0.92789	0.96260	21.04865	22.06509	0.99772	0.94612	0.97231	0.99772	0.94567	0.97208
31	16	24.22701	25.75319	0.99752	0.93077	0.96414	0.99752	0.93003	0.96374	21.04865	22.01544	0.99772	0.94759	0.97309	0.99772	0.94712	0.97284
31	17	24.22701	25.66857	0.99752	0.93298	0.96533	0.99752	0.93220	0.96491	21.04865	21.96453	0.99772	0.94910	0.97388	0.99772	0.94860	0.97362
31	18	24.22701	25.58235	0.99752	0.93522	0.96652	0.99752	0.93440	0.96609	21.04865	21.91267	0.99772	0.95063	0.97469	0.99772	0.95011	0.97442
31	19	24.22701	25.49361	0.99752	0.93748	0.96773	0.99752	0.93663	0.96728	21.04865	21.85907	0.99772	0.95219	0.97551	0.99772	0.95165	0.97522
31	20	24.22701	25.40164	0.99752	0.93977	0.96895	0.99752	0.93888	0.96848	21.04865	21.80312	0.99772	0.95377	0.97634	0.99772	0.95320	0.97604
31	21	24.22701	25.30562	0.99752	0.94208	0.97018	0.99752	0.94114	0.96968	21.04865	21.74411	0.99772	0.95537	0.97717	0.99772	0.95478	0.97686
31	22	24.22701	25.20517	0.99752	0.94440	0.97141	0.99752	0.94342	0.97088	21.04865	21.68171	0.99772	0.95698	0.97802	0.99772	0.95636	0.97769
31	23	24.22701	25.09967	0.99752	0.94673	0.97264	0.99752	0.94569	0.97209	21.04865	21.61537	0.99772	0.95861	0.97887	0.99772	0.95796	0.97853
31	24	24.22701	24.98936	0.99752	0.94905	0.97386	0.99752	0.94796	0.97328	21.04865	21.54528	0.99772	0.96024	0.97972	0.99772	0.95955	0.97936
31	25	24.22701	24.87419	0.99752	0.95137	0.97508	0.99752	0.95021	0.97447	21.04865	21.47137	0.99772	0.96188	0.98057	0.99772	0.96115	0.98019
31	26	24.22701	24.75420	0.99752	0.95366	0.97628	0.99752	0.95244	0.97564	21.04865	21.39367	0.99772	0.96351	0.98141	0.99772	0.96273	0.98101
31	27	24.22701	24.62994	0.99752	0.95592	0.97747	0.99752	0.95465	0.97680	21.04865	21.31262	0.99772	0.96512	0.98225	0.99772	0.96431	0.98183
31	28	24.22701	24.50119	0.99752	0.95815	0.97863	0.99752	0.95681	0.97793	21.04865	21.22804	0.99772	0.96671	0.98308	0.99772	0.96586	0.98263
31	29	24.22701	24.36788	0.99752	0.96033	0.97976	0.99752	0.95893	0.97904	21.04865	21.13984	0.99772	0.96829	0.98389	0.99772	0.96739	0.98342
31	30	24.22701	24.23009	0.99752	0.96246	0.98087	0.99752	0.96100	0.98011	21.04865	21.04806	0.99772	0.96983	0.98468	0.99772	0.96889	0.98420
31	31	24.22701	24.08752	0.99752	0.96453	0.98195	0.99752	0.96301	0.98116	21.04865	20.95246	0.99772	0.97133	0.98546	0.99772	0.97035	0.98495
31	32	24.22701	23.94006	0.99752	0.96654	0.98298	0.99752	0.96496	0.98217	21.04865	20.85289	0.99772	0.97280	0.98621	0.99772	0.97178	0.98569
31	33	24.22701	23.78740	0.99752	0.96848	0.98399	0.99752	0.96685	0.98314	21.04865	20.74907	0.99772	0.97423	0.98694	0.99772	0.97316	0.98640
31	34	24.22701	23.62942	0.99752	0.97034	0.98495	0.99752	0.96866	0.98408	21.04865	20.64088	0.99772	0.97561	0.98765	0.99772	0.97450	0.98709
31	35	24.22701	23.46579	0.99752	0.97213	0.98587	0.99752	0.97040	0.98498	21.04865	20.52800	0.99772	0.97693	0.98833	0.99772	0.97579	0.98775
31	36	24.22701	23.29632	0.99752	0.97383	0.98674	0.99752	0.97206	0.98583	21.04865	20.41023	0.99772	0.97821	0.98899	0.99772	0.97703	0.98838
31	37	24.22701	23.12089	0.99752	0.97546	0.98758	0.99752	0.97364	0.98664	21.04865	20.28745	0.99772	0.97944	0.98961	0.99772	0.97822	0.98899
31	38	24.22701	22.93911	0.99752	0.97701	0.98837	0.99752	0.97514	0.98742	21.04865	20.15926	0.99772	0.98061	0.99021	0.99772	0.97936	0.98957
31	39	24.22701	22.75087	0.99752	0.97847	0.98912	0.99752	0.97657	0.98815	21.04865	20.02555	0.99772	0.98173	0.99078	0.99772	0.98044	0.99012
31	40	24.22701	22.55572	0.99752	0.97986	0.98983	0.99752	0.97792	0.98884	21.04865	19.88587	0.99772	0.98280	0.99133	0.99772	0.98148	0.99065
31	41	24.22701	22.35340	0.99752	0.98117	0.99050	0.99752	0.97920	0.98949	21.04865	19.73995	0.99772	0.98381	0.99184	0.99772	0.98246	0.99115
31	42	24.22701	22.14385	0.99752	0.98241	0.99112	0.99752	0.98041	0.99011	21.04865	19.58769	0.99772	0.98478	0.99233	0.99772	0.98339	0.99162
31	43	24.22701	21.92669	0.99752	0.98357	0.99172	0.99752	0.98154	0.99068	21.04865	19.42870	0.99772	0.98569	0.99279	0.99772	0.98427	0.99207
31	44	24.22701	21.70178	0.99752	0.98466	0.99227	0.99752	0.98261	0.99123	21.04865	19.26280	0.99772	0.98656	0.99323	0.99772	0.98511	0.99250
31	45	24.22701	21.46876	0.99752	0.98569	0.99279	0.99752	0.98361	0.99174	21.04865	19.08963	0.99772	0.98737	0.99365	0.99772	0.98590	0.99290
31	46	24.22701	21.22763	0.99752	0.98665	0.99328	0.99752	0.98456	0.99222	21.04865	18.90911	0.99772	0.98815	0.99404	0.99772	0.98665	0.99328

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Beneficiary</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
31	47	24.22701	20.97813	0.99752	0.98756	0.99374	0.99752	0.98545	0.99267			21.04865	18.72094	0.99772	0.98888	0.99441	0.99772	0.98736	0.99364		
31	48	24.22701	20.72003	0.99752	0.98841	0.99417	0.99752	0.98628	0.99309			21.04865	18.52488	0.99772	0.98957	0.99476	0.99772	0.98803	0.99398		
31	49	24.22701	20.45326	0.99752	0.98920	0.99457	0.99752	0.98707	0.99349			21.04865	18.32076	0.99772	0.99023	0.99509	0.99772	0.98866	0.99430		
31	50	24.22701	20.17742	0.99752	0.98995	0.99495	0.99752	0.98781	0.99387			21.04865	18.10816	0.99772	0.99085	0.99540	0.99772	0.98926	0.99460		
31	51	24.22701	19.89339	0.99752	0.99065	0.99530	0.99752	0.98850	0.99422			21.04865	17.88781	0.99772	0.99143	0.99570	0.99772	0.98983	0.99489		
31	52	24.22701	19.60122	0.99752	0.99131	0.99563	0.99752	0.98916	0.99455			21.04865	17.65967	0.99772	0.99199	0.99598	0.99772	0.99037	0.99516		
31	53	24.22701	19.30125	0.99752	0.99192	0.99594	0.99752	0.98978	0.99486			21.04865	17.42398	0.99772	0.99251	0.99624	0.99772	0.99088	0.99542		
31	54	24.22701	18.99375	0.99752	0.99250	0.99624	0.99752	0.99036	0.99516			21.04865	17.18091	0.99772	0.99300	0.99649	0.99772	0.99137	0.99566		
31	55	24.22701	18.67912	0.99752	0.99304	0.99651	0.99752	0.99091	0.99543			21.04865	16.93076	0.99772	0.99347	0.99672	0.99772	0.99183	0.99590		
31	56	24.22701	18.35803	0.99752	0.99355	0.99676	0.99752	0.99143	0.99570			21.04865	16.67407	0.99772	0.99391	0.99695	0.99772	0.99226	0.99612		
31	57	24.22701	18.02853	0.99752	0.99402	0.99700	0.99752	0.99192	0.99594			21.04865	16.40902	0.99772	0.99433	0.99715	0.99772	0.99268	0.99633		
31	58	24.22701	17.69065	0.99752	0.99447	0.99723	0.99752	0.99238	0.99618			21.04865	16.13552	0.99772	0.99472	0.99735	0.99772	0.99307	0.99652		
31	59	24.22701	17.34441	0.99752	0.99489	0.99744	0.99752	0.99282	0.99640			21.04865	15.85354	0.99772	0.99509	0.99754	0.99772	0.99345	0.99671		
31	60	24.22701	16.98967	0.99752	0.99528	0.99763	0.99752	0.99324	0.99661			21.04865	15.56284	0.99772	0.99544	0.99771	0.99772	0.99380	0.99689		
31	61	24.22701	16.62627	0.99752	0.99565	0.99782	0.99752	0.99363	0.99680			21.04865	15.26320	0.99772	0.99577	0.99788	0.99772	0.99414	0.99706		
31	62	24.22701	16.25423	0.99752	0.99599	0.99799	0.99752	0.99400	0.99699			21.04865	14.95454	0.99772	0.99608	0.99804	0.99772	0.99446	0.99722		
31	63	24.22701	15.87341	0.99752	0.99631	0.99815	0.99752	0.99435	0.99717			21.04865	14.63664	0.99772	0.99638	0.99818	0.99772	0.99477	0.99738		
31	64	24.22701	15.48353	0.99752	0.99661	0.99830	0.99752	0.99468	0.99733			21.04865	14.30913	0.99772	0.99665	0.99832	0.99772	0.99506	0.99752		
31	65	24.22701	15.08480	0.99752	0.99689	0.99844	0.99752	0.99499	0.99749			21.04865	13.97213	0.99772	0.99691	0.99845	0.99772	0.99533	0.99766		
31	66	24.22701	14.67724	0.99752	0.99715	0.99857	0.99752	0.99528	0.99764			21.04865	13.62552	0.99772	0.99716	0.99858	0.99772	0.99559	0.99779		
31	67	24.22701	14.26104	0.99752	0.99739	0.99870	0.99752	0.99556	0.99778			21.04865	13.26940	0.99772	0.99738	0.99869	0.99772	0.99584	0.99792		
31	68	24.22701	13.83657	0.99752	0.99762	0.99881	0.99752	0.99582	0.99791			21.04865	12.90401	0.99772	0.99760	0.99880	0.99772	0.99607	0.99803		
31	69	24.22701	13.40435	0.99752	0.99783	0.99891	0.99752	0.99607	0.99803			21.04865	12.52973	0.99772	0.99780	0.99890	0.99772	0.99629	0.99814		
31	70	24.22701	12.96501	0.99752	0.99802	0.99901	0.99752	0.99630	0.99815			21.04865	12.14706	0.99772	0.99798	0.99899	0.99772	0.99650	0.99825		
31	71	24.22701	12.51927	0.99752	0.99820	0.99910	0.99752	0.99652	0.99825			21.04865	11.75658	0.99772	0.99816	0.99908	0.99772	0.99670	0.99835		
31	72	24.22701	12.06792	0.99752	0.99837	0.99918	0.99752	0.99672	0.99836			21.04865	11.35893	0.99772	0.99832	0.99916	0.99772	0.99688	0.99844		
31	73	24.22701	11.61185	0.99752	0.99852	0.99926	0.99752	0.99691	0.99845			21.04865	10.95491	0.99772	0.99847	0.99924	0.99772	0.99706	0.99853		
31	74	24.22701	11.15217	0.99752	0.99866	0.99933	0.99752	0.99709	0.99854			21.04865	10.54549	0.99772	0.99861	0.99931	0.99772	0.99722	0.99861		
31	75	24.22701	10.68986	0.99752	0.99879	0.99940	0.99752	0.99726	0.99863			21.04865	10.13154	0.99772	0.99874	0.99937	0.99772	0.99738	0.99869		
31	76	24.22701	10.22626	0.99752	0.99891	0.99946	0.99752	0.99743	0.99871			21.04865	9.71428	0.99772	0.99886	0.99943	0.99772	0.99753	0.99876		
31	77	24.22701	9.76277	0.99752	0.99903	0.99951	0.99752	0.99758	0.99879			21.04865	9.29502	0.99772	0.99897	0.99949	0.99772	0.99767	0.99884		
31	78	24.22701	9.30064	0.99752	0.99913	0.99956	0.99752	0.99772	0.99886			21.04865	8.87492	0.99772	0.99908	0.99954	0.99772	0.99781	0.99890		
31	79	24.22701	8.84103	0.99752	0.99922	0.99961	0.99752	0.99786	0.99893			21.04865	8.45509	0.99772	0.99917	0.99959	0.99772	0.99794	0.99897		
31	80	24.22701	8.38551	0.99752	0.99931	0.99965	0.99752	0.99799	0.99899			21.04865	8.03703	0.99772	0.99926	0.99963	0.99772	0.99806	0.99903		
31	81	24.22701	7.93532	0.99752	0.99938	0.99969	0.99752	0.99812	0.99906			21.04865	7.62196	0.99772	0.99934	0.99967	0.99772	0.99818	0.99909		
31	82	24.22701	7.49211	0.99752	0.99945	0.99973	0.99752	0.99823	0.99912			21.04865	7.21152	0.99772	0.99941	0.99971	0.99772	0.99829	0.99914		
31	83	24.22701	7.05756	0.99752	0.99952	0.99976	0.99752	0.99835	0.99917			21.04865	6.80735	0.99772	0.99948	0.99974	0.99772	0.99839	0.99920		
31	84	24.22701	6.63342	0.99752	0.99958	0.99979	0.99752	0.99845	0.99923			21.04865	6.41122	0.99772	0.99954	0.99977	0.99772	0.99850	0.99925		
31	85	24.22701	6.22156	0.99752	0.99963	0.99981	0.99752	0.99855	0.99928			21.04865	6.02503	0.99772	0.99960	0.99980	0.99772	0.99859	0.99930		
31	86	24.22701	5.82374	0.99752	0.99968	0.99984	0.99752	0.99865	0.99932			21.04865	5.65055	0.99772	0.99965	0.99982	0.99772	0.99868	0.99934		
31	87	24.22701	5.44155	0.99752	0.99972	0.99986	0.99752	0.99874	0.99937			21.04865	5.28949	0.99772	0.99969	0.99985	0.99772	0.99877	0.99938		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
31	88	24.22701	5.07613	0.99752	0.99975	0.99988	0.99752	0.99882	0.99941	21.04865	4.94306	0.99772	0.99973	0.99987	0.99772	0.99885	0.99943
31	89	24.22701	4.72862	0.99752	0.99979	0.99989	0.99752	0.99890	0.99945	21.04865	4.61250	0.99772	0.99977	0.99988	0.99772	0.99893	0.99946
31	90	24.22701	4.40007	0.99752	0.99981	0.99991	0.99752	0.99898	0.99949	21.04865	4.29901	0.99772	0.99980	0.99990	0.99772	0.99900	0.99950
31	91	24.22701	4.09149	0.99752	0.99984	0.99992	0.99752	0.99905	0.99952	21.04865	4.00370	0.99772	0.99982	0.99991	0.99772	0.99907	0.99953
31	92	24.22701	3.80354	0.99752	0.99986	0.99993	0.99752	0.99912	0.99956	21.04865	3.72738	0.99772	0.99985	0.99992	0.99772	0.99913	0.99957
31	93	24.22701	3.53621	0.99752	0.99988	0.99994	0.99752	0.99918	0.99959	21.04865	3.47020	0.99772	0.99987	0.99993	0.99772	0.99919	0.99960
31	94	24.22701	3.28870	0.99752	0.99990	0.99995	0.99752	0.99923	0.99962	21.04865	3.23152	0.99772	0.99988	0.99994	0.99772	0.99925	0.99962
31	95	24.22701	3.05955	0.99752	0.99991	0.99995	0.99752	0.99929	0.99964	21.04865	3.01004	0.99772	0.99990	0.99995	0.99772	0.99930	0.99965
31	96	24.22701	2.84646	0.99752	0.99992	0.99996	0.99752	0.99934	0.99967	21.04865	2.80360	0.99772	0.99991	0.99996	0.99772	0.99935	0.99967
31	97	24.22701	2.65226	0.99752	0.99993	0.99997	0.99752	0.99938	0.99969	21.04865	2.61510	0.99772	0.99992	0.99996	0.99772	0.99939	0.99969
31	98	24.22701	2.47567	0.99752	0.99994	0.99997	0.99752	0.99942	0.99971	21.04865	2.44340	0.99772	0.99993	0.99997	0.99772	0.99943	0.99971
31	99	24.22701	2.31535	0.99752	0.99995	0.99997	0.99752	0.99946	0.99973	21.04865	2.28724	0.99772	0.99994	0.99997	0.99772	0.99947	0.99973
31	100	24.22701	2.16976	0.99752	0.99995	0.99998	0.99752	0.99949	0.99975	21.04865	2.14523	0.99772	0.99995	0.99997	0.99772	0.99950	0.99975
31	101	24.22701	2.03734	0.99752	0.99996	0.99998	0.99752	0.99953	0.99976	21.04865	2.01587	0.99772	0.99996	0.99998	0.99772	0.99953	0.99977
31	102	24.22701	1.91714	0.99752	0.99996	0.99998	0.99752	0.99955	0.99978	21.04865	1.89830	0.99772	0.99996	0.99998	0.99772	0.99956	0.99978
31	103	24.22701	1.80800	0.99752	0.99997	0.99998	0.99752	0.99958	0.99979	21.04865	1.79140	0.99772	0.99996	0.99998	0.99772	0.99959	0.99979
31	104	24.22701	1.70943	0.99752	0.99997	0.99999	0.99752	0.99961	0.99980	21.04865	1.69474	0.99772	0.99997	0.99998	0.99772	0.99961	0.99981
31	105	24.22701	1.62048	0.99752	0.99998	0.99999	0.99752	0.99963	0.99981	21.04865	1.60741	0.99772	0.99997	0.99999	0.99772	0.99963	0.99982
31	106	24.22701	1.54080	0.99752	0.99998	0.99999	0.99752	0.99965	0.99982	21.04865	1.52911	0.99772	0.99997	0.99999	0.99772	0.99965	0.99983
31	107	24.22701	1.47009	0.99752	0.99998	0.99999	0.99752	0.99966	0.99983	21.04865	1.45954	0.99772	0.99998	0.99999	0.99772	0.99967	0.99983
31	108	24.22701	1.40861	0.99752	0.99998	0.99999	0.99752	0.99968	0.99984	21.04865	1.39898	0.99772	0.99998	0.99999	0.99772	0.99968	0.99984
31	109	24.22701	1.35764	0.99752	0.99998	0.99999	0.99752	0.99969	0.99984	21.04865	1.34871	0.99772	0.99998	0.99999	0.99772	0.99969	0.99985
31	110	24.22701	1.32125	0.99752	0.99998	0.99999	0.99752	0.99970	0.99985	21.04865	1.31279	0.99772	0.99998	0.99999	0.99772	0.99970	0.99985
32	1	24.08383	26.72925	0.99736	0.89800	0.94626	0.99736	0.89766	0.94607	20.95258	22.57586	0.99757	0.92533	0.96122	0.99757	0.92511	0.96110
32	2	24.08383	26.68154	0.99736	0.89948	0.94708	0.99736	0.89912	0.94688	20.95258	22.55058	0.99757	0.92627	0.96172	0.99757	0.92604	0.96160
32	3	24.08383	26.63112	0.99736	0.90101	0.94793	0.99736	0.90064	0.94772	20.95258	22.52338	0.99757	0.92724	0.96225	0.99757	0.92700	0.96212
32	4	24.08383	26.57806	0.99736	0.90259	0.94880	0.99736	0.90221	0.94859	20.95258	22.49433	0.99757	0.92826	0.96279	0.99757	0.92801	0.96266
32	5	24.08383	26.52283	0.99736	0.90423	0.94970	0.99736	0.90382	0.94948	20.95258	22.46379	0.99757	0.92931	0.96336	0.99757	0.92905	0.96322
32	6	24.08383	26.46539	0.99736	0.90592	0.95064	0.99736	0.90549	0.95040	20.95258	22.43176	0.99757	0.93041	0.96395	0.99757	0.93013	0.96380
32	7	24.08383	26.40551	0.99736	0.90766	0.95160	0.99736	0.90722	0.95135	20.95258	22.39806	0.99757	0.93154	0.96456	0.99757	0.93126	0.96440
32	8	24.08383	26.34335	0.99736	0.90947	0.95259	0.99736	0.90899	0.95233	20.95258	22.36278	0.99757	0.93272	0.96519	0.99757	0.93242	0.96503
32	9	24.08383	26.27867	0.99736	0.91132	0.95360	0.99736	0.91082	0.95333	20.95258	22.32575	0.99757	0.93395	0.96584	0.99757	0.93362	0.96567
32	10	24.08383	26.21121	0.99736	0.91323	0.95465	0.99736	0.91270	0.95436	20.95258	22.28674	0.99757	0.93521	0.96652	0.99757	0.93487	0.96634
32	11	24.08383	26.14141	0.99736	0.91520	0.95572	0.99736	0.91464	0.95542	20.95258	22.24611	0.99757	0.93652	0.96722	0.99757	0.93616	0.96702
32	12	24.08383	26.06892	0.99736	0.91722	0.95682	0.99736	0.91662	0.95650	20.95258	22.20360	0.99757	0.93787	0.96794	0.99757	0.93748	0.96773
32	13	24.08383	25.99388	0.99736	0.91929	0.95795	0.99736	0.91866	0.95761	20.95258	22.15929	0.99757	0.93926	0.96868	0.99757	0.93885	0.96846
32	14	24.08383	25.91617	0.99736	0.92142	0.95910	0.99736	0.92074	0.95874	20.95258	22.11310	0.99757	0.94069	0.96944	0.99757	0.94026	0.96921
32	15	24.08383	25.83587	0.99736	0.92359	0.96028	0.99736	0.92288	0.95989	20.95258	22.06509	0.99757	0.94216	0.97022	0.99757	0.94170	0.96998
32	16	24.08383	25.75319	0.99736	0.92580	0.96147	0.99736	0.92505	0.96107	20.95258	22.01544	0.99757	0.94366	0.97102	0.99757	0.94318	0.97076
32	17	24.08383	25.66857	0.99736	0.92806	0.96269	0.99736	0.92727	0.96226	20.95258	21.96453	0.99757	0.94520	0.97183	0.99757	0.94470	0.97156
32	18	24.08383	25.58235	0.99736	0.93035	0.96392	0.99736	0.92952	0.96347	20.95258	21.91267	0.99757	0.94678	0.97266	0.99757	0.94625	0.97238

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Retiree		Beneficiary	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity		Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Age	Age	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Factor	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Factor
32	19	24.08383	25.49361	0.99736	0.93268	0.96517	0.99736	0.93181	0.96470		20.95258	21.85907	0.99757	0.94838	0.97351	0.99757	0.94783	0.97321	
32	20	24.08383	25.40164	0.99736	0.93503	0.96642	0.99736	0.93412	0.96594		20.95258	21.80312	0.99757	0.95001	0.97436	0.99757	0.94943	0.97406	
32	21	24.08383	25.30562	0.99736	0.93741	0.96770	0.99736	0.93646	0.96719		20.95258	21.74411	0.99757	0.95166	0.97523	0.99757	0.95106	0.97492	
32	22	24.08383	25.20517	0.99736	0.93982	0.96897	0.99736	0.93881	0.96844		20.95258	21.68171	0.99757	0.95334	0.97611	0.99757	0.95270	0.97578	
32	23	24.08383	25.09967	0.99736	0.94223	0.97026	0.99736	0.94117	0.96969		20.95258	21.61537	0.99757	0.95504	0.97700	0.99757	0.95436	0.97665	
32	24	24.08383	24.98936	0.99736	0.94465	0.97154	0.99736	0.94353	0.97095		20.95258	21.54528	0.99757	0.95674	0.97789	0.99757	0.95603	0.97752	
32	25	24.08383	24.87419	0.99736	0.94707	0.97282	0.99736	0.94589	0.97219		20.95258	21.47137	0.99757	0.95846	0.97879	0.99757	0.95770	0.97840	
32	26	24.08383	24.75420	0.99736	0.94948	0.97408	0.99736	0.94823	0.97343		20.95258	21.39367	0.99757	0.96017	0.97968	0.99757	0.95937	0.97927	
32	27	24.08383	24.62994	0.99736	0.95186	0.97534	0.99736	0.95055	0.97465		20.95258	21.31262	0.99757	0.96187	0.98057	0.99757	0.96103	0.98013	
32	28	24.08383	24.50119	0.99736	0.95422	0.97657	0.99736	0.95284	0.97585		20.95258	21.22804	0.99757	0.96357	0.98145	0.99757	0.96268	0.98098	
32	29	24.08383	24.36788	0.99736	0.95654	0.97779	0.99736	0.95509	0.97703		20.95258	21.13984	0.99757	0.96524	0.98231	0.99757	0.96431	0.98183	
32	30	24.08383	24.23009	0.99736	0.95881	0.97897	0.99736	0.95730	0.97818		20.95258	21.04806	0.99757	0.96689	0.98316	0.99757	0.96591	0.98266	
32	31	24.08383	24.08752	0.99736	0.96102	0.98012	0.99736	0.95945	0.97931		20.95258	20.95246	0.99757	0.96850	0.98400	0.99757	0.96748	0.98347	
32	32	24.08383	23.94006	0.99736	0.96318	0.98125	0.99736	0.96154	0.98040		20.95258	20.85289	0.99757	0.97008	0.98481	0.99757	0.96901	0.98426	
32	33	24.08383	23.78740	0.99736	0.96527	0.98233	0.99736	0.96357	0.98145		20.95258	20.74907	0.99757	0.97162	0.98561	0.99757	0.97051	0.98503	
32	34	24.08383	23.62942	0.99736	0.96729	0.98337	0.99736	0.96553	0.98246		20.95258	20.64088	0.99757	0.97312	0.98637	0.99757	0.97196	0.98578	
32	35	24.08383	23.46579	0.99736	0.96923	0.98437	0.99736	0.96742	0.98344		20.95258	20.52800	0.99757	0.97456	0.98712	0.99757	0.97336	0.98650	
32	36	24.08383	23.29632	0.99736	0.97109	0.98533	0.99736	0.96923	0.98437		20.95258	20.41023	0.99757	0.97596	0.98783	0.99757	0.97471	0.98719	
32	37	24.08383	23.12089	0.99736	0.97287	0.98625	0.99736	0.97095	0.98526		20.95258	20.28745	0.99757	0.97730	0.98852	0.99757	0.97601	0.98786	
32	38	24.08383	22.93911	0.99736	0.97457	0.98712	0.99736	0.97260	0.98611		20.95258	20.15926	0.99757	0.97859	0.98918	0.99757	0.97726	0.98850	
32	39	24.08383	22.75087	0.99736	0.97618	0.98795	0.99736	0.97417	0.98692		20.95258	20.02555	0.99757	0.97982	0.98981	0.99757	0.97845	0.98911	
32	40	24.08383	22.55572	0.99736	0.97771	0.98873	0.99736	0.97566	0.98768		20.95258	19.88587	0.99757	0.98100	0.99041	0.99757	0.97959	0.98969	
32	41	24.08383	22.35340	0.99736	0.97916	0.98947	0.99736	0.97707	0.98840		20.95258	19.73995	0.99757	0.98212	0.99098	0.99757	0.98067	0.99024	
32	42	24.08383	22.14385	0.99736	0.98052	0.99017	0.99736	0.97840	0.98908		20.95258	19.58769	0.99757	0.98318	0.99152	0.99757	0.98170	0.99077	
32	43	24.08383	21.92669	0.99736	0.98181	0.99082	0.99736	0.97965	0.98972		20.95258	19.42870	0.99757	0.98419	0.99203	0.99757	0.98268	0.99126	
32	44	24.08383	21.70178	0.99736	0.98303	0.99144	0.99736	0.98084	0.99033		20.95258	19.26280	0.99757	0.98515	0.99252	0.99757	0.98360	0.99173	
32	45	24.08383	21.46876	0.99736	0.98417	0.99202	0.99736	0.98195	0.99089		20.95258	19.08963	0.99757	0.98606	0.99298	0.99757	0.98448	0.99218	
32	46	24.08383	21.22763	0.99736	0.98524	0.99256	0.99736	0.98300	0.99143		20.95258	18.90911	0.99757	0.98692	0.99342	0.99757	0.98531	0.99260	
32	47	24.08383	20.97813	0.99736	0.98624	0.99307	0.99736	0.98398	0.99193		20.95258	18.72094	0.99757	0.98773	0.99383	0.99757	0.98610	0.99300	
32	48	24.08383	20.72003	0.99736	0.98719	0.99355	0.99736	0.98491	0.99240		20.95258	18.52488	0.99757	0.98850	0.99422	0.99757	0.98684	0.99338	
32	49	24.08383	20.45326	0.99736	0.98807	0.99400	0.99736	0.98578	0.99284		20.95258	18.32076	0.99757	0.98923	0.99458	0.99757	0.98755	0.99373	
32	50	24.08383	20.17742	0.99736	0.98890	0.99442	0.99736	0.98660	0.99326		20.95258	18.10816	0.99757	0.98992	0.99493	0.99757	0.98821	0.99407	
32	51	24.08383	19.89339	0.99736	0.98968	0.99481	0.99736	0.98737	0.99365		20.95258	17.88781	0.99757	0.99056	0.99526	0.99757	0.98884	0.99439	
32	52	24.08383	19.60122	0.99736	0.99041	0.99518	0.99736	0.98810	0.99401		20.95258	17.65967	0.99757	0.99118	0.99557	0.99757	0.98944	0.99469	
32	53	24.08383	19.30125	0.99736	0.99109	0.99553	0.99736	0.98878	0.99436		20.95258	17.42398	0.99757	0.99176	0.99586	0.99757	0.99001	0.99498	
32	54	24.08383	18.99375	0.99736	0.99173	0.99585	0.99736	0.98943	0.99469		20.95258	17.18091	0.99757	0.99230	0.99614	0.99757	0.99054	0.99525	
32	55	24.08383	18.67912	0.99736	0.99233	0.99615	0.99736	0.99004	0.99499		20.95258	16.93076	0.99757	0.99282	0.99640	0.99757	0.99105	0.99550	
32	56	24.08383	18.35803	0.99736	0.99289	0.99643	0.99736	0.99061	0.99528		20.95258	16.67407	0.99757	0.99331	0.99664	0.99757	0.99153	0.99575	
32	57	24.08383	18.02853	0.99736	0.99342	0.99670	0.99736	0.99115	0.99556		20.95258	16.40902	0.99757	0.99377	0.99687	0.99757	0.99199	0.99598	
32	58	24.08383	17.69065	0.99736	0.99392	0.99695	0.99736	0.99167	0.99582		20.95258	16.13552	0.99757	0.99420	0.99709	0.99757	0.99243	0.99620	
32	59	24.08383	17.34441	0.99736	0.99438	0.99718	0.99736	0.99215	0.99606		20.95258	15.85354	0.99757	0.99461	0.99730	0.99757	0.99284	0.99641	

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
32	60	24.08383	16.98967	0.99736	0.99481	0.99740	0.99736	0.99261	0.99629	20.95258	15.56284	0.99757	0.99500	0.99749	0.99757	0.99323	0.99661				
32	61	24.08383	16.62627	0.99736	0.99522	0.99760	0.99736	0.99304	0.99651	20.95258	15.26320	0.99757	0.99537	0.99768	0.99757	0.99361	0.99679				
32	62	24.08383	16.25423	0.99736	0.99560	0.99779	0.99736	0.99345	0.99671	20.95258	14.95454	0.99757	0.99571	0.99785	0.99757	0.99396	0.99697				
32	63	24.08383	15.87341	0.99736	0.99595	0.99797	0.99736	0.99384	0.99691	20.95258	14.63664	0.99757	0.99603	0.99801	0.99757	0.99430	0.99714				
32	64	24.08383	15.48353	0.99736	0.99629	0.99814	0.99736	0.99420	0.99709	20.95258	14.30913	0.99757	0.99634	0.99817	0.99757	0.99462	0.99730				
32	65	24.08383	15.08480	0.99736	0.99660	0.99829	0.99736	0.99455	0.99727	20.95258	13.97213	0.99757	0.99663	0.99831	0.99757	0.99492	0.99746				
32	66	24.08383	14.67724	0.99736	0.99688	0.99844	0.99736	0.99487	0.99743	20.95258	13.62552	0.99757	0.99690	0.99845	0.99757	0.99521	0.99760				
32	67	24.08383	14.26104	0.99736	0.99715	0.99857	0.99736	0.99518	0.99758	20.95258	13.26940	0.99757	0.99715	0.99857	0.99757	0.99548	0.99774				
32	68	24.08383	13.83657	0.99736	0.99740	0.99870	0.99736	0.99547	0.99773	20.95258	12.90401	0.99757	0.99738	0.99869	0.99757	0.99574	0.99787				
32	69	24.08383	13.40435	0.99736	0.99763	0.99882	0.99736	0.99574	0.99786	20.95258	12.52973	0.99757	0.99760	0.99880	0.99757	0.99599	0.99799				
32	70	24.08383	12.96501	0.99736	0.99785	0.99892	0.99736	0.99599	0.99799	20.95258	12.14706	0.99757	0.99781	0.99890	0.99757	0.99622	0.99810				
32	71	24.08383	12.51927	0.99736	0.99805	0.99902	0.99736	0.99623	0.99811	20.95258	11.75658	0.99757	0.99800	0.99900	0.99757	0.99643	0.99821				
32	72	24.08383	12.06792	0.99736	0.99823	0.99911	0.99736	0.99646	0.99823	20.95258	11.35893	0.99757	0.99818	0.99909	0.99757	0.99664	0.99832				
32	73	24.08383	11.61185	0.99736	0.99840	0.99920	0.99736	0.99667	0.99833	20.95258	10.95491	0.99757	0.99835	0.99917	0.99757	0.99683	0.99841				
32	74	24.08383	11.15217	0.99736	0.99855	0.99928	0.99736	0.99687	0.99843	20.95258	10.54549	0.99757	0.99850	0.99925	0.99757	0.99701	0.99850				
32	75	24.08383	10.68986	0.99736	0.99870	0.99935	0.99736	0.99706	0.99853	20.95258	10.13154	0.99757	0.99864	0.99932	0.99757	0.99719	0.99859				
32	76	24.08383	10.22626	0.99736	0.99883	0.99941	0.99736	0.99723	0.99862	20.95258	9.71428	0.99757	0.99877	0.99939	0.99757	0.99735	0.99867				
32	77	24.08383	9.76277	0.99736	0.99895	0.99947	0.99736	0.99740	0.99870	20.95258	9.29502	0.99757	0.99889	0.99945	0.99757	0.99750	0.99875				
32	78	24.08383	9.30064	0.99736	0.99906	0.99953	0.99736	0.99756	0.99878	20.95258	8.87492	0.99757	0.99901	0.99950	0.99757	0.99765	0.99882				
32	79	24.08383	8.84103	0.99736	0.99916	0.99958	0.99736	0.99771	0.99885	20.95258	8.45509	0.99757	0.99911	0.99955	0.99757	0.99779	0.99889				
32	80	24.08383	8.38551	0.99736	0.99925	0.99963	0.99736	0.99785	0.99892	20.95258	8.03703	0.99757	0.99920	0.99960	0.99757	0.99792	0.99896				
32	81	24.08383	7.93532	0.99736	0.99934	0.99967	0.99736	0.99798	0.99899	20.95258	7.62196	0.99757	0.99929	0.99965	0.99757	0.99805	0.99902				
32	82	24.08383	7.49211	0.99736	0.99941	0.99971	0.99736	0.99811	0.99905	20.95258	7.21152	0.99757	0.99937	0.99968	0.99757	0.99817	0.99908				
32	83	24.08383	7.05756	0.99736	0.99948	0.99974	0.99736	0.99823	0.99911	20.95258	6.80735	0.99757	0.99944	0.99972	0.99757	0.99828	0.99914				
32	84	24.08383	6.63342	0.99736	0.99954	0.99977	0.99736	0.99834	0.99917	20.95258	6.41122	0.99757	0.99951	0.99975	0.99757	0.99839	0.99919				
32	85	24.08383	6.22156	0.99736	0.99960	0.99980	0.99736	0.99845	0.99922	20.95258	6.02503	0.99757	0.99957	0.99978	0.99757	0.99849	0.99925				
32	86	24.08383	5.82374	0.99736	0.99965	0.99983	0.99736	0.99855	0.99928	20.95258	5.65055	0.99757	0.99962	0.99981	0.99757	0.99859	0.99929				
32	87	24.08383	5.44155	0.99736	0.99969	0.99985	0.99736	0.99865	0.99932	20.95258	5.28949	0.99757	0.99967	0.99983	0.99757	0.99868	0.99934				
32	88	24.08383	5.07613	0.99736	0.99973	0.99987	0.99736	0.99874	0.99937	20.95258	4.94306	0.99757	0.99971	0.99985	0.99757	0.99877	0.99938				
32	89	24.08383	4.72862	0.99736	0.99977	0.99988	0.99736	0.99883	0.99941	20.95258	4.61250	0.99757	0.99975	0.99987	0.99757	0.99885	0.99943				
32	90	24.08383	4.40007	0.99736	0.99980	0.99990	0.99736	0.99891	0.99945	20.95258	4.29901	0.99757	0.99978	0.99989	0.99757	0.99893	0.99946				
32	91	24.08383	4.09149	0.99736	0.99983	0.99991	0.99736	0.99898	0.99949	20.95258	4.00370	0.99757	0.99981	0.99990	0.99757	0.99900	0.99950				
32	92	24.08383	3.80354	0.99736	0.99985	0.99993	0.99736	0.99905	0.99953	20.95258	3.72738	0.99757	0.99983	0.99992	0.99757	0.99907	0.99953				
32	93	24.08383	3.53621	0.99736	0.99987	0.99994	0.99736	0.99912	0.99956	20.95258	3.47020	0.99757	0.99986	0.99993	0.99757	0.99913	0.99957				
32	94	24.08383	3.28870	0.99736	0.99989	0.99994	0.99736	0.99918	0.99959	20.95258	3.23152	0.99757	0.99988	0.99994	0.99757	0.99919	0.99960				
32	95	24.08383	3.05955	0.99736	0.99990	0.99995	0.99736	0.99923	0.99962	20.95258	3.01004	0.99757	0.99989	0.99995	0.99757	0.99925	0.99962				
32	96	24.08383	2.84646	0.99736	0.99992	0.99996	0.99736	0.99929	0.99964	20.95258	2.80360	0.99757	0.99991	0.99995	0.99757	0.99930	0.99965				
32	97	24.08383	2.65226	0.99736	0.99993	0.99996	0.99736	0.99933	0.99967	20.95258	2.61510	0.99757	0.99992	0.99996	0.99757	0.99934	0.99967				
32	98	24.08383	2.47567	0.99736	0.99994	0.99997	0.99736	0.99938	0.99969	20.95258	2.44340	0.99757	0.99993	0.99996	0.99757	0.99939	0.99969				
32	99	24.08383	2.31535	0.99736	0.99994	0.99997	0.99736	0.99942	0.99971	20.95258	2.28724	0.99757	0.99994	0.99997	0.99757	0.99943	0.99971				
32	100	24.08383	2.16976	0.99736	0.99995	0.99998	0.99736	0.99946	0.99973	20.95258	2.14523	0.99757	0.99995	0.99997	0.99757	0.99946	0.99973				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
33	32	23.93555	23.94006	0.99720	0.95953	0.97935	0.99720	0.95784	0.97846	20.85236	20.85289	0.99742	0.96712	0.98329	0.99742	0.96600	0.98271
33	33	23.93555	23.78740	0.99720	0.96178	0.98052	0.99720	0.96001	0.97960	20.85236	20.74907	0.99742	0.96878	0.98414	0.99742	0.96761	0.98354
33	34	23.93555	23.62942	0.99720	0.96396	0.98165	0.99720	0.96213	0.98070	20.85236	20.64088	0.99742	0.97039	0.98497	0.99742	0.96918	0.98435
33	35	23.93555	23.46579	0.99720	0.96606	0.98274	0.99720	0.96417	0.98176	20.85236	20.52800	0.99742	0.97196	0.98578	0.99742	0.97070	0.98513
33	36	23.93555	23.29632	0.99720	0.96808	0.98378	0.99720	0.96613	0.98277	20.85236	20.41023	0.99742	0.97348	0.98656	0.99742	0.97217	0.98589
33	37	23.93555	23.12089	0.99720	0.97003	0.98478	0.99720	0.96801	0.98375	20.85236	20.28745	0.99742	0.97494	0.98731	0.99742	0.97359	0.98662
33	38	23.93555	22.93911	0.99720	0.97188	0.98574	0.99720	0.96981	0.98467	20.85236	20.15926	0.99742	0.97635	0.98804	0.99742	0.97495	0.98732
33	39	23.93555	22.75087	0.99720	0.97365	0.98665	0.99720	0.97153	0.98556	20.85236	20.02555	0.99742	0.97771	0.98873	0.99742	0.97626	0.98799
33	40	23.93555	22.55572	0.99720	0.97533	0.98751	0.99720	0.97316	0.98640	20.85236	19.88587	0.99742	0.97900	0.98939	0.99742	0.97751	0.98862
33	41	23.93555	22.35340	0.99720	0.97693	0.98833	0.99720	0.97471	0.98719	20.85236	19.73995	0.99742	0.98023	0.99002	0.99742	0.97870	0.98923
33	42	23.93555	22.14385	0.99720	0.97844	0.98910	0.99720	0.97618	0.98795	20.85236	19.58769	0.99742	0.98141	0.99062	0.99742	0.97983	0.98981
33	43	23.93555	21.92669	0.99720	0.97986	0.98983	0.99720	0.97757	0.98866	20.85236	19.42870	0.99742	0.98253	0.99119	0.99742	0.98091	0.99037
33	44	23.93555	21.70178	0.99720	0.98121	0.99051	0.99720	0.97887	0.98932	20.85236	19.26280	0.99742	0.98359	0.99173	0.99742	0.98194	0.99089
33	45	23.93555	21.46876	0.99720	0.98247	0.99116	0.99720	0.98011	0.98995	20.85236	19.08963	0.99742	0.98460	0.99224	0.99742	0.98291	0.99138
33	46	23.93555	21.22763	0.99720	0.98366	0.99176	0.99720	0.98127	0.99055	20.85236	18.90911	0.99742	0.98555	0.99272	0.99742	0.98383	0.99185
33	47	23.93555	20.97813	0.99720	0.98478	0.99233	0.99720	0.98236	0.99110	20.85236	18.72094	0.99742	0.98645	0.99318	0.99742	0.98470	0.99229
33	48	23.93555	20.72003	0.99720	0.98583	0.99286	0.99720	0.98339	0.99163	20.85236	18.52488	0.99742	0.98731	0.99361	0.99742	0.98553	0.99271
33	49	23.93555	20.45326	0.99720	0.98681	0.99336	0.99720	0.98436	0.99212	20.85236	18.32076	0.99742	0.98811	0.99402	0.99742	0.98631	0.99311
33	50	23.93555	20.17742	0.99720	0.98773	0.99383	0.99720	0.98527	0.99258	20.85236	18.10816	0.99742	0.98888	0.99441	0.99742	0.98705	0.99348
33	51	23.93555	19.89339	0.99720	0.98860	0.99427	0.99720	0.98612	0.99301	20.85236	17.88781	0.99742	0.98960	0.99477	0.99742	0.98775	0.99384
33	52	23.93555	19.60122	0.99720	0.98941	0.99468	0.99720	0.98693	0.99342	20.85236	17.65967	0.99742	0.99028	0.99512	0.99742	0.98841	0.99417
33	53	23.93555	19.30125	0.99720	0.99017	0.99506	0.99720	0.98768	0.99380	20.85236	17.42398	0.99742	0.99092	0.99544	0.99742	0.98903	0.99449
33	54	23.93555	18.99375	0.99720	0.99088	0.99542	0.99720	0.98840	0.99417	20.85236	17.18091	0.99742	0.99153	0.99575	0.99742	0.98963	0.99479
33	55	23.93555	18.67912	0.99720	0.99154	0.99575	0.99720	0.98907	0.99451	20.85236	16.93076	0.99742	0.99210	0.99603	0.99742	0.99019	0.99507
33	56	23.93555	18.35803	0.99720	0.99217	0.99607	0.99720	0.98971	0.99483	20.85236	16.67407	0.99742	0.99264	0.99631	0.99742	0.99072	0.99534
33	57	23.93555	18.02853	0.99720	0.99275	0.99636	0.99720	0.99031	0.99513	20.85236	16.40902	0.99742	0.99315	0.99656	0.99742	0.99123	0.99560
33	58	23.93555	17.69065	0.99720	0.99330	0.99664	0.99720	0.99087	0.99541	20.85236	16.13552	0.99742	0.99363	0.99680	0.99742	0.99171	0.99584
33	59	23.93555	17.34441	0.99720	0.99381	0.99690	0.99720	0.99141	0.99568	20.85236	15.85354	0.99742	0.99408	0.99703	0.99742	0.99217	0.99607
33	60	23.93555	16.98967	0.99720	0.99429	0.99714	0.99720	0.99191	0.99594	20.85236	15.56284	0.99742	0.99451	0.99725	0.99742	0.99260	0.99629
33	61	23.93555	16.62627	0.99720	0.99474	0.99736	0.99720	0.99239	0.99618	20.85236	15.26320	0.99742	0.99492	0.99745	0.99742	0.99302	0.99650
33	62	23.93555	16.25423	0.99720	0.99516	0.99758	0.99720	0.99284	0.99641	20.85236	14.95454	0.99742	0.99530	0.99764	0.99742	0.99341	0.99669
33	63	23.93555	15.87341	0.99720	0.99556	0.99777	0.99720	0.99327	0.99662	20.85236	14.63664	0.99742	0.99566	0.99782	0.99742	0.99378	0.99688
33	64	23.93555	15.48353	0.99720	0.99592	0.99796	0.99720	0.99367	0.99683	20.85236	14.30913	0.99742	0.99599	0.99799	0.99742	0.99414	0.99706
33	65	23.93555	15.08480	0.99720	0.99627	0.99813	0.99720	0.99405	0.99702	20.85236	13.97213	0.99742	0.99631	0.99815	0.99742	0.99447	0.99723
33	66	23.93555	14.67724	0.99720	0.99659	0.99829	0.99720	0.99441	0.99720	20.85236	13.62552	0.99742	0.99661	0.99830	0.99742	0.99479	0.99739
33	67	23.93555	14.26104	0.99720	0.99688	0.99844	0.99720	0.99475	0.99737	20.85236	13.26940	0.99742	0.99689	0.99844	0.99742	0.99509	0.99754
33	68	23.93555	13.83657	0.99720	0.99716	0.99858	0.99720	0.99507	0.99753	20.85236	12.90401	0.99742	0.99715	0.99857	0.99742	0.99538	0.99768
33	69	23.93555	13.40435	0.99720	0.99742	0.99871	0.99720	0.99537	0.99768	20.85236	12.52973	0.99742	0.99739	0.99869	0.99742	0.99565	0.99782
33	70	23.93555	12.96501	0.99720	0.99765	0.99883	0.99720	0.99566	0.99782	20.85236	12.14706	0.99742	0.99762	0.99881	0.99742	0.99590	0.99795
33	71	23.93555	12.51927	0.99720	0.99787	0.99893	0.99720	0.99592	0.99796	20.85236	11.75658	0.99742	0.99783	0.99891	0.99742	0.99614	0.99807
33	72	23.93555	12.06792	0.99720	0.99807	0.99904	0.99720	0.99617	0.99808	20.85236	11.35893	0.99742	0.99803	0.99901	0.99742	0.99637	0.99818

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
33	73	23.93555	11.61185	0.99720	0.99826	0.99913	0.99720	0.99641	0.99820	20.85236	10.95491	0.99742	0.99821	0.99910	0.99742	0.99658	0.99829
33	74	23.93555	11.15217	0.99720	0.99843	0.99921	0.99720	0.99663	0.99831	20.85236	10.54549	0.99742	0.99838	0.99919	0.99742	0.99678	0.99839
33	75	23.93555	10.68986	0.99720	0.99859	0.99929	0.99720	0.99683	0.99841	20.85236	10.13154	0.99742	0.99853	0.99926	0.99742	0.99697	0.99848
33	76	23.93555	10.22626	0.99720	0.99873	0.99937	0.99720	0.99703	0.99851	20.85236	9.71428	0.99742	0.99867	0.99934	0.99742	0.99715	0.99857
33	77	23.93555	9.76277	0.99720	0.99886	0.99943	0.99720	0.99721	0.99860	20.85236	9.29502	0.99742	0.99881	0.99940	0.99742	0.99732	0.99866
33	78	23.93555	9.30064	0.99720	0.99898	0.99949	0.99720	0.99738	0.99869	20.85236	8.87492	0.99742	0.99893	0.99946	0.99742	0.99748	0.99874
33	79	23.93555	8.84103	0.99720	0.99909	0.99955	0.99720	0.99754	0.99877	20.85236	8.45509	0.99742	0.99904	0.99952	0.99742	0.99763	0.99881
33	80	23.93555	8.38551	0.99720	0.99919	0.99960	0.99720	0.99770	0.99885	20.85236	8.03703	0.99742	0.99914	0.99957	0.99742	0.99777	0.99889
33	81	23.93555	7.93532	0.99720	0.99928	0.99964	0.99720	0.99784	0.99892	20.85236	7.62196	0.99742	0.99924	0.99962	0.99742	0.99791	0.99895
33	82	23.93555	7.49211	0.99720	0.99937	0.99968	0.99720	0.99798	0.99899	20.85236	7.21152	0.99742	0.99932	0.99966	0.99742	0.99804	0.99902
33	83	23.93555	7.05756	0.99720	0.99944	0.99972	0.99720	0.99811	0.99905	20.85236	6.80735	0.99742	0.99940	0.99970	0.99742	0.99816	0.99908
33	84	23.93555	6.63342	0.99720	0.99951	0.99975	0.99720	0.99823	0.99911	20.85236	6.41122	0.99742	0.99947	0.99974	0.99742	0.99828	0.99914
33	85	23.93555	6.22156	0.99720	0.99957	0.99978	0.99720	0.99834	0.99917	20.85236	6.02503	0.99742	0.99953	0.99977	0.99742	0.99839	0.99919
33	86	23.93555	5.82374	0.99720	0.99962	0.99981	0.99720	0.99845	0.99923	20.85236	5.65055	0.99742	0.99959	0.99980	0.99742	0.99849	0.99925
33	87	23.93555	5.44155	0.99720	0.99967	0.99984	0.99720	0.99855	0.99928	20.85236	5.28949	0.99742	0.99964	0.99982	0.99742	0.99859	0.99929
33	88	23.93555	5.07613	0.99720	0.99971	0.99986	0.99720	0.99865	0.99933	20.85236	4.94306	0.99742	0.99969	0.99984	0.99742	0.99868	0.99934
33	89	23.93555	4.72862	0.99720	0.99975	0.99988	0.99720	0.99874	0.99937	20.85236	4.61250	0.99742	0.99973	0.99986	0.99742	0.99877	0.99939
33	90	23.93555	4.40007	0.99720	0.99978	0.99989	0.99720	0.99883	0.99941	20.85236	4.29901	0.99742	0.99976	0.99988	0.99742	0.99885	0.99943
33	91	23.93555	4.09149	0.99720	0.99981	0.99991	0.99720	0.99891	0.99945	20.85236	4.00370	0.99742	0.99979	0.99990	0.99742	0.99893	0.99947
33	92	23.93555	3.80354	0.99720	0.99984	0.99992	0.99720	0.99898	0.99949	20.85236	3.72738	0.99742	0.99982	0.99991	0.99742	0.99900	0.99950
33	93	23.93555	3.53621	0.99720	0.99986	0.99993	0.99720	0.99905	0.99953	20.85236	3.47020	0.99742	0.99985	0.99992	0.99742	0.99907	0.99953
33	94	23.93555	3.28870	0.99720	0.99988	0.99994	0.99720	0.99912	0.99956	20.85236	3.23152	0.99742	0.99987	0.99993	0.99742	0.99913	0.99957
33	95	23.93555	3.05955	0.99720	0.99989	0.99995	0.99720	0.99918	0.99959	20.85236	3.01004	0.99742	0.99988	0.99994	0.99742	0.99919	0.99960
33	96	23.93555	2.84646	0.99720	0.99991	0.99995	0.99720	0.99923	0.99962	20.85236	2.80360	0.99742	0.99990	0.99995	0.99742	0.99925	0.99962
33	97	23.93555	2.65226	0.99720	0.99992	0.99996	0.99720	0.99928	0.99964	20.85236	2.61510	0.99742	0.99991	0.99996	0.99742	0.99930	0.99965
33	98	23.93555	2.47567	0.99720	0.99993	0.99997	0.99720	0.99933	0.99967	20.85236	2.44340	0.99742	0.99992	0.99996	0.99742	0.99934	0.99967
33	99	23.93555	2.31535	0.99720	0.99994	0.99997	0.99720	0.99937	0.99969	20.85236	2.28724	0.99742	0.99993	0.99997	0.99742	0.99938	0.99969
33	100	23.93555	2.16976	0.99720	0.99995	0.99997	0.99720	0.99941	0.99971	20.85236	2.14523	0.99742	0.99994	0.99997	0.99742	0.99942	0.99971
33	101	23.93555	2.03734	0.99720	0.99995	0.99998	0.99720	0.99945	0.99973	20.85236	2.01587	0.99742	0.99995	0.99997	0.99742	0.99946	0.99973
33	102	23.93555	1.91714	0.99720	0.99996	0.99998	0.99720	0.99948	0.99974	20.85236	1.89830	0.99742	0.99995	0.99998	0.99742	0.99949	0.99975
33	103	23.93555	1.80800	0.99720	0.99996	0.99998	0.99720	0.99952	0.99976	20.85236	1.79140	0.99742	0.99996	0.99998	0.99742	0.99952	0.99976
33	104	23.93555	1.70943	0.99720	0.99997	0.99998	0.99720	0.99954	0.99977	20.85236	1.69474	0.99742	0.99996	0.99998	0.99742	0.99955	0.99977
33	105	23.93555	1.62048	0.99720	0.99997	0.99999	0.99720	0.99957	0.99978	20.85236	1.60741	0.99742	0.99997	0.99998	0.99742	0.99957	0.99979
33	106	23.93555	1.54080	0.99720	0.99997	0.99999	0.99720	0.99959	0.99980	20.85236	1.52911	0.99742	0.99997	0.99999	0.99742	0.99960	0.99980
33	107	23.93555	1.47009	0.99720	0.99998	0.99999	0.99720	0.99961	0.99981	20.85236	1.45954	0.99742	0.99997	0.99999	0.99742	0.99961	0.99981
33	108	23.93555	1.40861	0.99720	0.99998	0.99999	0.99720	0.99963	0.99981	20.85236	1.39898	0.99742	0.99998	0.99999	0.99742	0.99963	0.99982
33	109	23.93555	1.35764	0.99720	0.99998	0.99999	0.99720	0.99964	0.99982	20.85236	1.34871	0.99742	0.99998	0.99999	0.99742	0.99964	0.99982
33	110	23.93555	1.32125	0.99720	0.99998	0.99999	0.99720	0.99965	0.99982	20.85236	1.31279	0.99742	0.99998	0.99999	0.99742	0.99965	0.99983
34	1	23.78199	26.72925	0.99702	0.88697	0.94010	0.99702	0.88662	0.93990	20.74782	22.57586	0.99726	0.91646	0.95641	0.99726	0.91623	0.95628
34	2	23.78199	26.68154	0.99702	0.88845	0.94093	0.99702	0.88808	0.94072	20.74782	22.55058	0.99726	0.91740	0.95692	0.99726	0.91716	0.95679
34	3	23.78199	26.63112	0.99702	0.88998	0.94179	0.99702	0.88960	0.94158	20.74782	22.52338	0.99726	0.91838	0.95746	0.99726	0.91814	0.95732

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**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
34	4	23.78199	26.57806	0.99702	0.89157	0.94268	0.99702	0.89117	0.94246	20.74782	22.49433	0.99726	0.91941	0.95801	0.99726	0.91915	0.95787
34	5	23.78199	26.52283	0.99702	0.89321	0.94359	0.99702	0.89280	0.94336	20.74782	22.46379	0.99726	0.92047	0.95859	0.99726	0.92020	0.95844
34	6	23.78199	26.46539	0.99702	0.89491	0.94454	0.99702	0.89448	0.94430	20.74782	22.43176	0.99726	0.92158	0.95919	0.99726	0.92130	0.95904
34	7	23.78199	26.40551	0.99702	0.89667	0.94552	0.99702	0.89622	0.94527	20.74782	22.39806	0.99726	0.92274	0.95982	0.99726	0.92244	0.95965
34	8	23.78199	26.34335	0.99702	0.89849	0.94653	0.99702	0.89801	0.94626	20.74782	22.36278	0.99726	0.92393	0.96046	0.99726	0.92362	0.96029
34	9	23.78199	26.27867	0.99702	0.90037	0.94757	0.99702	0.89986	0.94729	20.74782	22.32575	0.99726	0.92518	0.96113	0.99726	0.92484	0.96095
34	10	23.78199	26.21121	0.99702	0.90231	0.94865	0.99702	0.90177	0.94835	20.74782	22.28674	0.99726	0.92646	0.96183	0.99726	0.92611	0.96164
34	11	23.78199	26.14141	0.99702	0.90431	0.94975	0.99702	0.90373	0.94943	20.74782	22.24611	0.99726	0.92780	0.96255	0.99726	0.92742	0.96234
34	12	23.78199	26.06892	0.99702	0.90636	0.95088	0.99702	0.90575	0.95055	20.74782	22.20360	0.99726	0.92918	0.96329	0.99726	0.92878	0.96308
34	13	23.78199	25.99388	0.99702	0.90848	0.95204	0.99702	0.90783	0.95169	20.74782	22.15929	0.99726	0.93061	0.96406	0.99726	0.93019	0.96383
34	14	23.78199	25.91617	0.99702	0.91065	0.95324	0.99702	0.90996	0.95286	20.74782	22.11310	0.99726	0.93208	0.96485	0.99726	0.93163	0.96461
34	15	23.78199	25.83587	0.99702	0.91288	0.95446	0.99702	0.91215	0.95406	20.74782	22.06509	0.99726	0.93360	0.96566	0.99726	0.93313	0.96541
34	16	23.78199	25.75319	0.99702	0.91517	0.95570	0.99702	0.91440	0.95528	20.74782	22.01544	0.99726	0.93517	0.96650	0.99726	0.93466	0.96623
34	17	23.78199	25.66857	0.99702	0.91750	0.95698	0.99702	0.91669	0.95653	20.74782	21.96453	0.99726	0.93677	0.96735	0.99726	0.93624	0.96707
34	18	23.78199	25.58235	0.99702	0.91988	0.95827	0.99702	0.91903	0.95781	20.74782	21.91267	0.99726	0.93841	0.96823	0.99726	0.93786	0.96793
34	19	23.78199	25.49361	0.99702	0.92231	0.95958	0.99702	0.92142	0.95910	20.74782	21.85907	0.99726	0.94010	0.96912	0.99726	0.93952	0.96882
34	20	23.78199	25.40164	0.99702	0.92478	0.96092	0.99702	0.92385	0.96042	20.74782	21.80312	0.99726	0.94182	0.97004	0.99726	0.94121	0.96972
34	21	23.78199	25.30562	0.99702	0.92729	0.96227	0.99702	0.92631	0.96175	20.74782	21.74411	0.99726	0.94357	0.97097	0.99726	0.94294	0.97063
34	22	23.78199	25.20517	0.99702	0.92984	0.96364	0.99702	0.92881	0.96309	20.74782	21.68171	0.99726	0.94536	0.97191	0.99726	0.94470	0.97156
34	23	23.78199	25.09967	0.99702	0.93242	0.96503	0.99702	0.93132	0.96444	20.74782	21.61537	0.99726	0.94718	0.97288	0.99726	0.94648	0.97250
34	24	23.78199	24.98936	0.99702	0.93502	0.96642	0.99702	0.93386	0.96580	20.74782	21.54528	0.99726	0.94903	0.97385	0.99726	0.94828	0.97345
34	25	23.78199	24.87419	0.99702	0.93763	0.96781	0.99702	0.93641	0.96716	20.74782	21.47137	0.99726	0.95089	0.97483	0.99726	0.95010	0.97441
34	26	23.78199	24.75420	0.99702	0.94026	0.96921	0.99702	0.93896	0.96852	20.74782	21.39367	0.99726	0.95277	0.97581	0.99726	0.95192	0.97537
34	27	23.78199	24.62994	0.99702	0.94287	0.97060	0.99702	0.94150	0.96987	20.74782	21.31262	0.99726	0.95465	0.97680	0.99726	0.95375	0.97633
34	28	23.78199	24.50119	0.99702	0.94548	0.97198	0.99702	0.94403	0.97121	20.74782	21.22804	0.99726	0.95653	0.97778	0.99726	0.95558	0.97729
34	29	23.78199	24.36788	0.99702	0.94806	0.97334	0.99702	0.94653	0.97253	20.74782	21.13984	0.99726	0.95840	0.97876	0.99726	0.95740	0.97824
34	30	23.78199	24.23009	0.99702	0.95061	0.97468	0.99702	0.94901	0.97384	20.74782	21.04806	0.99726	0.96026	0.97973	0.99726	0.95920	0.97918
34	31	23.78199	24.08752	0.99702	0.95312	0.97600	0.99702	0.95144	0.97512	20.74782	20.95246	0.99726	0.96210	0.98068	0.99726	0.96099	0.98011
34	32	23.78199	23.94006	0.99702	0.95559	0.97729	0.99702	0.95383	0.97637	20.74782	20.85289	0.99726	0.96391	0.98162	0.99726	0.96274	0.98102
34	33	23.78199	23.78740	0.99702	0.95799	0.97854	0.99702	0.95616	0.97759	20.74782	20.74907	0.99726	0.96568	0.98254	0.99726	0.96447	0.98191
34	34	23.78199	23.62942	0.99702	0.96033	0.97976	0.99702	0.95842	0.97877	20.74782	20.64088	0.99726	0.96742	0.98344	0.99726	0.96615	0.98278
34	35	23.78199	23.46579	0.99702	0.96260	0.98094	0.99702	0.96062	0.97991	20.74782	20.52800	0.99726	0.96912	0.98432	0.99726	0.96779	0.98363
34	36	23.78199	23.29632	0.99702	0.96479	0.98208	0.99702	0.96274	0.98102	20.74782	20.41023	0.99726	0.97076	0.98516	0.99726	0.96938	0.98445
34	37	23.78199	23.12089	0.99702	0.96690	0.98317	0.99702	0.96479	0.98208	20.74782	20.28745	0.99726	0.97235	0.98598	0.99726	0.97092	0.98525
34	38	23.78199	22.93911	0.99702	0.96892	0.98422	0.99702	0.96675	0.98309	20.74782	20.15926	0.99726	0.97389	0.98677	0.99726	0.97241	0.98601
34	39	23.78199	22.75087	0.99702	0.97086	0.98521	0.99702	0.96862	0.98406	20.74782	20.02555	0.99726	0.97537	0.98753	0.99726	0.97384	0.98675
34	40	23.78199	22.55572	0.99702	0.97270	0.98616	0.99702	0.97041	0.98498	20.74782	19.88587	0.99726	0.97679	0.98826	0.99726	0.97521	0.98745
34	41	23.78199	22.35340	0.99702	0.97446	0.98706	0.99702	0.97211	0.98586	20.74782	19.73995	0.99726	0.97815	0.98895	0.99726	0.97652	0.98812
34	42	23.78199	22.14385	0.99702	0.97612	0.98792	0.99702	0.97373	0.98669	20.74782	19.58769	0.99726	0.97945	0.98962	0.99726	0.97777	0.98876
34	43	23.78199	21.92669	0.99702	0.97770	0.98872	0.99702	0.97526	0.98747	20.74782	19.42870	0.99726	0.98068	0.99025	0.99726	0.97896	0.98937
34	44	23.78199	21.70178	0.99702	0.97918	0.98948	0.99702	0.97670	0.98821	20.74782	19.26280	0.99726	0.98186	0.99084	0.99726	0.98010	0.98995

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
35	58	23.62301	17.69065	0.99683	0.99184	0.99591	0.99683	0.98902	0.99448	20.63881	16.13552	0.99708	0.99228	0.99612	0.99708	0.99005	0.99500				
35	59	23.62301	17.34441	0.99683	0.99248	0.99622	0.99683	0.98967	0.99481	20.63881	15.85354	0.99708	0.99284	0.99641	0.99708	0.99061	0.99528				
35	60	23.62301	16.98967	0.99683	0.99307	0.99652	0.99683	0.99029	0.99512	20.63881	15.56284	0.99708	0.99336	0.99667	0.99708	0.99114	0.99555				
35	61	23.62301	16.62627	0.99683	0.99362	0.99680	0.99683	0.99088	0.99542	20.63881	15.26320	0.99708	0.99386	0.99692	0.99708	0.99164	0.99580				
35	62	23.62301	16.25423	0.99683	0.99414	0.99706	0.99683	0.99143	0.99570	20.63881	14.95454	0.99708	0.99432	0.99715	0.99708	0.99212	0.99604				
35	63	23.62301	15.87341	0.99683	0.99462	0.99730	0.99683	0.99195	0.99596	20.63881	14.63664	0.99708	0.99476	0.99737	0.99708	0.99258	0.99627				
35	64	23.62301	15.48353	0.99683	0.99507	0.99753	0.99683	0.99244	0.99621	20.63881	14.30913	0.99708	0.99518	0.99758	0.99708	0.99301	0.99649				
35	65	23.62301	15.08480	0.99683	0.99549	0.99774	0.99683	0.99291	0.99644	20.63881	13.97213	0.99708	0.99556	0.99778	0.99708	0.99342	0.99670				
35	66	23.62301	14.67724	0.99683	0.99588	0.99794	0.99683	0.99335	0.99666	20.63881	13.62552	0.99708	0.99593	0.99796	0.99708	0.99381	0.99689				
35	67	23.62301	14.26104	0.99683	0.99625	0.99812	0.99683	0.99376	0.99687	20.63881	13.26940	0.99708	0.99627	0.99813	0.99708	0.99418	0.99708				
35	68	23.62301	13.83657	0.99683	0.99659	0.99829	0.99683	0.99416	0.99707	20.63881	12.90401	0.99708	0.99659	0.99829	0.99708	0.99453	0.99726				
35	69	23.62301	13.40435	0.99683	0.99690	0.99845	0.99683	0.99453	0.99726	20.63881	12.52973	0.99708	0.99689	0.99844	0.99708	0.99486	0.99742				
35	70	23.62301	12.96501	0.99683	0.99719	0.99860	0.99683	0.99487	0.99743	20.63881	12.14706	0.99708	0.99717	0.99858	0.99708	0.99517	0.99758				
35	71	23.62301	12.51927	0.99683	0.99746	0.99873	0.99683	0.99520	0.99759	20.63881	11.75658	0.99708	0.99742	0.99871	0.99708	0.99547	0.99773				
35	72	23.62301	12.06792	0.99683	0.99771	0.99885	0.99683	0.99551	0.99775	20.63881	11.35893	0.99708	0.99766	0.99883	0.99708	0.99574	0.99787				
35	73	23.62301	11.61185	0.99683	0.99794	0.99897	0.99683	0.99579	0.99789	20.63881	10.95491	0.99708	0.99788	0.99894	0.99708	0.99601	0.99800				
35	74	23.62301	11.15217	0.99683	0.99815	0.99907	0.99683	0.99606	0.99803	20.63881	10.54549	0.99708	0.99809	0.99904	0.99708	0.99625	0.99812				
35	75	23.62301	10.68986	0.99683	0.99834	0.99917	0.99683	0.99632	0.99815	20.63881	10.13154	0.99708	0.99828	0.99914	0.99708	0.99648	0.99824				
35	76	23.62301	10.22626	0.99683	0.99851	0.99925	0.99683	0.99655	0.99827	20.63881	9.71428	0.99708	0.99845	0.99922	0.99708	0.99670	0.99835				
35	77	23.62301	9.76277	0.99683	0.99867	0.99933	0.99683	0.99677	0.99838	20.63881	9.29502	0.99708	0.99861	0.99930	0.99708	0.99691	0.99845				
35	78	23.62301	9.30064	0.99683	0.99881	0.99941	0.99683	0.99698	0.99849	20.63881	8.87492	0.99708	0.99875	0.99938	0.99708	0.99710	0.99855				
35	79	23.62301	8.84103	0.99683	0.99894	0.99947	0.99683	0.99718	0.99859	20.63881	8.45509	0.99708	0.99889	0.99944	0.99708	0.99728	0.99864				
35	80	23.62301	8.38551	0.99683	0.99906	0.99953	0.99683	0.99736	0.99868	20.63881	8.03703	0.99708	0.99901	0.99950	0.99708	0.99745	0.99872				
35	81	23.62301	7.93532	0.99683	0.99917	0.99959	0.99683	0.99753	0.99876	20.63881	7.62196	0.99708	0.99912	0.99956	0.99708	0.99761	0.99880				
35	82	23.62301	7.49211	0.99683	0.99927	0.99963	0.99683	0.99769	0.99884	20.63881	7.21152	0.99708	0.99922	0.99961	0.99708	0.99776	0.99888				
35	83	23.62301	7.05756	0.99683	0.99936	0.99968	0.99683	0.99784	0.99892	20.63881	6.80735	0.99708	0.99931	0.99965	0.99708	0.99790	0.99895				
35	84	23.62301	6.63342	0.99683	0.99943	0.99972	0.99683	0.99798	0.99899	20.63881	6.41122	0.99708	0.99939	0.99970	0.99708	0.99804	0.99902				
35	85	23.62301	6.22156	0.99683	0.99950	0.99975	0.99683	0.99811	0.99906	20.63881	6.02503	0.99708	0.99946	0.99973	0.99708	0.99817	0.99908				
35	86	23.62301	5.82374	0.99683	0.99957	0.99978	0.99683	0.99824	0.99912	20.63881	5.65055	0.99708	0.99953	0.99977	0.99708	0.99829	0.99914				
35	87	23.62301	5.44155	0.99683	0.99962	0.99981	0.99683	0.99836	0.99918	20.63881	5.28949	0.99708	0.99959	0.99979	0.99708	0.99840	0.99920				
35	88	23.62301	5.07613	0.99683	0.99967	0.99984	0.99683	0.99847	0.99923	20.63881	4.94306	0.99708	0.99964	0.99982	0.99708	0.99850	0.99925				
35	89	23.62301	4.72862	0.99683	0.99971	0.99986	0.99683	0.99857	0.99929	20.63881	4.61250	0.99708	0.99969	0.99984	0.99708	0.99860	0.99930				
35	90	23.62301	4.40007	0.99683	0.99975	0.99988	0.99683	0.99867	0.99933	20.63881	4.29901	0.99708	0.99973	0.99986	0.99708	0.99870	0.99935				
35	91	23.62301	4.09149	0.99683	0.99979	0.99989	0.99683	0.99876	0.99938	20.63881	4.00370	0.99708	0.99976	0.99988	0.99708	0.99878	0.99939				
35	92	23.62301	3.80354	0.99683	0.99981	0.99991	0.99683	0.99884	0.99942	20.63881	3.72738	0.99708	0.99980	0.99990	0.99708	0.99887	0.99943				
35	93	23.62301	3.53621	0.99683	0.99984	0.99992	0.99683	0.99892	0.99946	20.63881	3.47020	0.99708	0.99982	0.99991	0.99708	0.99894	0.99947				
35	94	23.62301	3.28870	0.99683	0.99986	0.99993	0.99683	0.99900	0.99950	20.63881	3.23152	0.99708	0.99985	0.99992	0.99708	0.99901	0.99951				
35	95	23.62301	3.05955	0.99683	0.99988	0.99994	0.99683	0.99906	0.99953	20.63881	3.01004	0.99708	0.99987	0.99993	0.99708	0.99908	0.99954				
35	96	23.62301	2.84646	0.99683	0.99989	0.99995	0.99683	0.99913	0.99956	20.63881	2.80360	0.99708	0.99988	0.99994	0.99708	0.99914	0.99957				
35	97	23.62301	2.65226	0.99683	0.99991	0.99995	0.99683	0.99918	0.99959	20.63881	2.61510	0.99708	0.99990	0.99995	0.99708	0.99920	0.99960				
35	98	23.62301	2.47567	0.99683	0.99992	0.99996	0.99683	0.99924	0.99962	20.63881	2.44340	0.99708	0.99991	0.99996	0.99708	0.99925	0.99962				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
35	99	23.62301	2.31535	0.99683	0.99993	0.99997	0.99683	0.99929	0.99964	20.63881	2.28724	0.99708	0.99992	0.99996	0.99708	0.99930	0.99965
35	100	23.62301	2.16976	0.99683	0.99994	0.99997	0.99683	0.99933	0.99967	20.63881	2.14523	0.99708	0.99993	0.99997	0.99708	0.99934	0.99967
35	101	23.62301	2.03734	0.99683	0.99995	0.99997	0.99683	0.99937	0.99969	20.63881	2.01587	0.99708	0.99994	0.99997	0.99708	0.99938	0.99969
35	102	23.62301	1.91714	0.99683	0.99995	0.99998	0.99683	0.99941	0.99971	20.63881	1.89830	0.99708	0.99995	0.99997	0.99708	0.99942	0.99971
35	103	23.62301	1.80800	0.99683	0.99996	0.99998	0.99683	0.99945	0.99972	20.63881	1.79140	0.99708	0.99995	0.99998	0.99708	0.99945	0.99973
35	104	23.62301	1.70943	0.99683	0.99996	0.99998	0.99683	0.99948	0.99974	20.63881	1.69474	0.99708	0.99996	0.99998	0.99708	0.99948	0.99974
35	105	23.62301	1.62048	0.99683	0.99997	0.99998	0.99683	0.99951	0.99975	20.63881	1.60741	0.99708	0.99996	0.99998	0.99708	0.99951	0.99976
35	106	23.62301	1.54080	0.99683	0.99997	0.99998	0.99683	0.99953	0.99977	20.63881	1.52911	0.99708	0.99997	0.99998	0.99708	0.99954	0.99977
35	107	23.62301	1.47009	0.99683	0.99997	0.99999	0.99683	0.99955	0.99978	20.63881	1.45954	0.99708	0.99997	0.99998	0.99708	0.99956	0.99978
35	108	23.62301	1.40861	0.99683	0.99997	0.99999	0.99683	0.99957	0.99979	20.63881	1.39898	0.99708	0.99997	0.99999	0.99708	0.99958	0.99979
35	109	23.62301	1.35764	0.99683	0.99998	0.99999	0.99683	0.99959	0.99979	20.63881	1.34871	0.99708	0.99997	0.99999	0.99708	0.99959	0.99980
35	110	23.62301	1.32125	0.99683	0.99998	0.99999	0.99683	0.99960	0.99980	20.63881	1.31279	0.99708	0.99997	0.99999	0.99708	0.99960	0.99980
36	1	23.45830	26.72925	0.99661	0.87510	0.93339	0.99661	0.87474	0.93318	20.52504	22.57586	0.99689	0.90678	0.95111	0.99689	0.90653	0.95098
36	2	23.45830	26.68154	0.99661	0.87657	0.93423	0.99661	0.87620	0.93402	20.52504	22.55058	0.99689	0.90772	0.95163	0.99689	0.90747	0.95149
36	3	23.45830	26.63112	0.99661	0.87810	0.93509	0.99661	0.87772	0.93488	20.52504	22.52338	0.99689	0.90871	0.95217	0.99689	0.90845	0.95203
36	4	23.45830	26.57806	0.99661	0.87969	0.93600	0.99661	0.87929	0.93577	20.52504	22.49433	0.99689	0.90974	0.95274	0.99689	0.90947	0.95259
36	5	23.45830	26.52283	0.99661	0.88134	0.93693	0.99661	0.88092	0.93669	20.52504	22.46379	0.99689	0.91081	0.95332	0.99689	0.91053	0.95317
36	6	23.45830	26.46539	0.99661	0.88304	0.93789	0.99661	0.88260	0.93764	20.52504	22.43176	0.99689	0.91193	0.95394	0.99689	0.91163	0.95377
36	7	23.45830	26.40551	0.99661	0.88481	0.93889	0.99661	0.88434	0.93862	20.52504	22.39806	0.99689	0.91309	0.95457	0.99689	0.91278	0.95440
36	8	23.45830	26.34335	0.99661	0.88664	0.93991	0.99661	0.88615	0.93964	20.52504	22.36278	0.99689	0.91430	0.95523	0.99689	0.91397	0.95505
36	9	23.45830	26.27867	0.99661	0.88853	0.94097	0.99661	0.88801	0.94068	20.52504	22.32575	0.99689	0.91556	0.95592	0.99689	0.91521	0.95573
36	10	23.45830	26.21121	0.99661	0.89048	0.94207	0.99661	0.88993	0.94176	20.52504	22.28674	0.99689	0.91687	0.95663	0.99689	0.91650	0.95643
36	11	23.45830	26.14141	0.99661	0.89250	0.94320	0.99661	0.89192	0.94287	20.52504	22.24611	0.99689	0.91823	0.95737	0.99689	0.91784	0.95716
36	12	23.45830	26.06892	0.99661	0.89458	0.94436	0.99661	0.89396	0.94401	20.52504	22.20360	0.99689	0.91964	0.95814	0.99689	0.91922	0.95791
36	13	23.45830	25.99388	0.99661	0.89673	0.94555	0.99661	0.89607	0.94519	20.52504	22.15929	0.99689	0.92109	0.95893	0.99689	0.92065	0.95869
36	14	23.45830	25.91617	0.99661	0.89894	0.94678	0.99661	0.89824	0.94639	20.52504	22.11310	0.99689	0.92260	0.95974	0.99689	0.92213	0.95949
36	15	23.45830	25.83587	0.99661	0.90122	0.94804	0.99661	0.90048	0.94763	20.52504	22.06509	0.99689	0.92416	0.96059	0.99689	0.92367	0.96032
36	16	23.45830	25.75319	0.99661	0.90355	0.94933	0.99661	0.90277	0.94890	20.52504	22.01544	0.99689	0.92577	0.96145	0.99689	0.92525	0.96117
36	17	23.45830	25.66857	0.99661	0.90595	0.95065	0.99661	0.90512	0.95020	20.52504	21.96453	0.99689	0.92743	0.96235	0.99689	0.92688	0.96205
36	18	23.45830	25.58235	0.99661	0.90840	0.95200	0.99661	0.90754	0.95153	20.52504	21.91267	0.99689	0.92913	0.96326	0.99689	0.92855	0.96295
36	19	23.45830	25.49361	0.99661	0.91091	0.95338	0.99661	0.91000	0.95288	20.52504	21.85907	0.99689	0.93088	0.96420	0.99689	0.93028	0.96388
36	20	23.45830	25.40164	0.99661	0.91347	0.95478	0.99661	0.91252	0.95426	20.52504	21.80312	0.99689	0.93268	0.96517	0.99689	0.93205	0.96483
36	21	23.45830	25.30562	0.99661	0.91609	0.95621	0.99661	0.91509	0.95566	20.52504	21.74411	0.99689	0.93452	0.96615	0.99689	0.93386	0.96580
36	22	23.45830	25.20517	0.99661	0.91876	0.95766	0.99661	0.91771	0.95709	20.52504	21.68171	0.99689	0.93641	0.96716	0.99689	0.93571	0.96679
36	23	23.45830	25.09967	0.99661	0.92148	0.95914	0.99661	0.92036	0.95853	20.52504	21.61537	0.99689	0.93834	0.96819	0.99689	0.93760	0.96780
36	24	23.45830	24.98936	0.99661	0.92424	0.96063	0.99661	0.92305	0.95999	20.52504	21.54528	0.99689	0.94031	0.96923	0.99689	0.93952	0.96882
36	25	23.45830	24.87419	0.99661	0.92703	0.96213	0.99661	0.92577	0.96145	20.52504	21.47137	0.99689	0.94230	0.97030	0.99689	0.94147	0.96985
36	26	23.45830	24.75420	0.99661	0.92985	0.96365	0.99661	0.92850	0.96293	20.52504	21.39367	0.99689	0.94433	0.97137	0.99689	0.94344	0.97090
36	27	23.45830	24.62994	0.99661	0.93268	0.96516	0.99661	0.93125	0.96440	20.52504	21.31262	0.99689	0.94637	0.97245	0.99689	0.94543	0.97195
36	28	23.45830	24.50119	0.99661	0.93551	0.96668	0.99661	0.93400	0.96587	20.52504	21.22804	0.99689	0.94843	0.97353	0.99689	0.94743	0.97301
36	29	23.45830	24.36788	0.99661	0.93834	0.96819	0.99661	0.93675	0.96734	20.52504	21.13984	0.99689	0.95050	0.97462	0.99689	0.94943	0.97406

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Beneficiary</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
36	30	23.45830	24.23009	0.99661	0.94116	0.96969	0.99661	0.93948	0.96879			20.52504	21.04806	0.99689	0.95256	0.97570	0.99689	0.95144	0.97511		
36	31	23.45830	24.08752	0.99661	0.94396	0.97117	0.99661	0.94218	0.97023			20.52504	20.95246	0.99689	0.95462	0.97678	0.99689	0.95343	0.97616		
36	32	23.45830	23.94006	0.99661	0.94672	0.97263	0.99661	0.94486	0.97165			20.52504	20.85289	0.99689	0.95666	0.97785	0.99689	0.95541	0.97720		
36	33	23.45830	23.78740	0.99661	0.94944	0.97407	0.99661	0.94749	0.97304			20.52504	20.74907	0.99689	0.95868	0.97890	0.99689	0.95736	0.97822		
36	34	23.45830	23.62942	0.99661	0.95211	0.97547	0.99661	0.95007	0.97440			20.52504	20.64088	0.99689	0.96067	0.97994	0.99689	0.95929	0.97922		
36	35	23.45830	23.46579	0.99661	0.95472	0.97684	0.99661	0.95259	0.97572			20.52504	20.52800	0.99689	0.96262	0.98096	0.99689	0.96118	0.98020		
36	36	23.45830	23.29632	0.99661	0.95726	0.97816	0.99661	0.95504	0.97701			20.52504	20.41023	0.99689	0.96454	0.98195	0.99689	0.96303	0.98116		
36	37	23.45830	23.12089	0.99661	0.95973	0.97945	0.99661	0.95742	0.97825			20.52504	20.28745	0.99689	0.96640	0.98291	0.99689	0.96483	0.98210		
36	38	23.45830	22.93911	0.99661	0.96211	0.98069	0.99661	0.95972	0.97945			20.52504	20.15926	0.99689	0.96821	0.98385	0.99689	0.96658	0.98300		
36	39	23.45830	22.75087	0.99661	0.96440	0.98188	0.99661	0.96194	0.98060			20.52504	20.02555	0.99689	0.96997	0.98476	0.99689	0.96827	0.98388		
36	40	23.45830	22.55572	0.99661	0.96660	0.98302	0.99661	0.96406	0.98170			20.52504	19.88587	0.99689	0.97166	0.98563	0.99689	0.96990	0.98472		
36	41	23.45830	22.35340	0.99661	0.96871	0.98410	0.99661	0.96610	0.98276			20.52504	19.73995	0.99689	0.97330	0.98647	0.99689	0.97147	0.98553		
36	42	23.45830	22.14385	0.99661	0.97071	0.98514	0.99661	0.96804	0.98376			20.52504	19.58769	0.99689	0.97486	0.98727	0.99689	0.97298	0.98630		
36	43	23.45830	21.92669	0.99661	0.97262	0.98612	0.99661	0.96989	0.98471			20.52504	19.42870	0.99689	0.97636	0.98804	0.99689	0.97442	0.98704		
36	44	23.45830	21.70178	0.99661	0.97443	0.98705	0.99661	0.97164	0.98562			20.52504	19.26280	0.99689	0.97779	0.98877	0.99689	0.97580	0.98775		
36	45	23.45830	21.46876	0.99661	0.97615	0.98793	0.99661	0.97330	0.98647			20.52504	19.08963	0.99689	0.97915	0.98947	0.99689	0.97711	0.98842		
36	46	23.45830	21.22763	0.99661	0.97777	0.98876	0.99661	0.97487	0.98728			20.52504	18.90911	0.99689	0.98045	0.99013	0.99689	0.97835	0.98906		
36	47	23.45830	20.97813	0.99661	0.97929	0.98954	0.99661	0.97636	0.98804			20.52504	18.72094	0.99689	0.98168	0.99075	0.99689	0.97954	0.98966		
36	48	23.45830	20.72003	0.99661	0.98073	0.99027	0.99661	0.97775	0.98875			20.52504	18.52488	0.99689	0.98284	0.99135	0.99689	0.98066	0.99024		
36	49	23.45830	20.45326	0.99661	0.98208	0.99096	0.99661	0.97907	0.98943			20.52504	18.32076	0.99689	0.98395	0.99191	0.99689	0.98172	0.99078		
36	50	23.45830	20.17742	0.99661	0.98335	0.99160	0.99661	0.98031	0.99006			20.52504	18.10816	0.99689	0.98499	0.99244	0.99689	0.98273	0.99129		
36	51	23.45830	19.89339	0.99661	0.98454	0.99221	0.99661	0.98148	0.99065			20.52504	17.88781	0.99689	0.98598	0.99294	0.99689	0.98368	0.99177		
36	52	23.45830	19.60122	0.99661	0.98565	0.99277	0.99661	0.98258	0.99121			20.52504	17.65967	0.99689	0.98691	0.99341	0.99689	0.98459	0.99223		
36	53	23.45830	19.30125	0.99661	0.98669	0.99330	0.99661	0.98361	0.99174			20.52504	17.42398	0.99689	0.98779	0.99386	0.99689	0.98544	0.99267		
36	54	23.45830	18.99375	0.99661	0.98767	0.99380	0.99661	0.98458	0.99223			20.52504	17.18091	0.99689	0.98862	0.99428	0.99689	0.98625	0.99308		
36	55	23.45830	18.67912	0.99661	0.98858	0.99426	0.99661	0.98550	0.99270			20.52504	16.93076	0.99689	0.98940	0.99467	0.99689	0.98701	0.99346		
36	56	23.45830	18.35803	0.99661	0.98944	0.99469	0.99661	0.98636	0.99313			20.52504	16.67407	0.99689	0.99014	0.99504	0.99689	0.98774	0.99383		
36	57	23.45830	18.02853	0.99661	0.99024	0.99509	0.99661	0.98717	0.99354			20.52504	16.40902	0.99689	0.99083	0.99539	0.99689	0.98842	0.99418		
36	58	23.45830	17.69065	0.99661	0.99099	0.99547	0.99661	0.98794	0.99393			20.52504	16.13552	0.99689	0.99148	0.99572	0.99689	0.98907	0.99451		
36	59	23.45830	17.34441	0.99661	0.99169	0.99583	0.99661	0.98866	0.99430			20.52504	15.85354	0.99689	0.99210	0.99604	0.99689	0.98969	0.99482		
36	60	23.45830	16.98967	0.99661	0.99234	0.99616	0.99661	0.98934	0.99464			20.52504	15.56284	0.99689	0.99268	0.99633	0.99689	0.99028	0.99512		
36	61	23.45830	16.62627	0.99661	0.99296	0.99647	0.99661	0.98999	0.99497			20.52504	15.26320	0.99689	0.99323	0.99660	0.99689	0.99084	0.99540		
36	62	23.45830	16.25423	0.99661	0.99353	0.99675	0.99661	0.99060	0.99528			20.52504	14.95454	0.99689	0.99375	0.99686	0.99689	0.99137	0.99566		
36	63	23.45830	15.87341	0.99661	0.99406	0.99702	0.99661	0.99118	0.99557			20.52504	14.63664	0.99689	0.99424	0.99711	0.99689	0.99187	0.99592		
36	64	23.45830	15.48353	0.99661	0.99457	0.99728	0.99661	0.99172	0.99584			20.52504	14.30913	0.99689	0.99469	0.99734	0.99689	0.99235	0.99616		
36	65	23.45830	15.08480	0.99661	0.99503	0.99751	0.99661	0.99224	0.99610			20.52504	13.97213	0.99689	0.99512	0.99756	0.99689	0.99280	0.99639		
36	66	23.45830	14.67724	0.99661	0.99547	0.99773	0.99661	0.99272	0.99635			20.52504	13.62552	0.99689	0.99553	0.99776	0.99689	0.99323	0.99660		
36	67	23.45830	14.26104	0.99661	0.99587	0.99793	0.99661	0.99318	0.99658			20.52504	13.26940	0.99689	0.99591	0.99795	0.99689	0.99364	0.99681		
36	68	23.45830	13.83657	0.99661	0.99625	0.99812	0.99661	0.99362	0.99680			20.52504	12.90401	0.99689	0.99626	0.99813	0.99689	0.99403	0.99701		
36	69	23.45830	13.40435	0.99661	0.99660	0.99830	0.99661	0.99403	0.99700			20.52504	12.52973	0.99689	0.99659	0.99829	0.99689	0.99440	0.99719		
36	70	23.45830	12.96501	0.99661	0.99692	0.99846	0.99661	0.99441	0.99720			20.52504	12.14706	0.99689	0.99690	0.99845	0.99689	0.99474	0.99736		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
36	71	23.45830	12.51927	0.99661	0.99722	0.99861	0.99661	0.99478	0.99738	20.52504	11.75658	0.99689	0.99718	0.99859	0.99689	0.99507	0.99753
36	72	23.45830	12.06792	0.99661	0.99749	0.99875	0.99661	0.99512	0.99755	20.52504	11.35893	0.99689	0.99745	0.99872	0.99689	0.99538	0.99768
36	73	23.45830	11.61185	0.99661	0.99775	0.99887	0.99661	0.99544	0.99771	20.52504	10.95491	0.99689	0.99769	0.99885	0.99689	0.99567	0.99783
36	74	23.45830	11.15217	0.99661	0.99798	0.99899	0.99661	0.99573	0.99786	20.52504	10.54549	0.99689	0.99792	0.99896	0.99689	0.99594	0.99797
36	75	23.45830	10.68986	0.99661	0.99819	0.99909	0.99661	0.99602	0.99800	20.52504	10.13154	0.99689	0.99813	0.99906	0.99689	0.99620	0.99810
36	76	23.45830	10.22626	0.99661	0.99838	0.99919	0.99661	0.99628	0.99814	20.52504	9.71428	0.99689	0.99832	0.99916	0.99689	0.99644	0.99822
36	77	23.45830	9.76277	0.99661	0.99855	0.99928	0.99661	0.99652	0.99826	20.52504	9.29502	0.99689	0.99849	0.99925	0.99689	0.99667	0.99833
36	78	23.45830	9.30064	0.99661	0.99871	0.99936	0.99661	0.99675	0.99837	20.52504	8.87492	0.99689	0.99865	0.99933	0.99689	0.99688	0.99844
36	79	23.45830	8.84103	0.99661	0.99886	0.99943	0.99661	0.99697	0.99848	20.52504	8.45509	0.99689	0.99880	0.99940	0.99689	0.99708	0.99854
36	80	23.45830	8.38551	0.99661	0.99899	0.99949	0.99661	0.99717	0.99858	20.52504	8.03703	0.99689	0.99893	0.99947	0.99689	0.99727	0.99863
36	81	23.45830	7.93532	0.99661	0.99911	0.99955	0.99661	0.99735	0.99867	20.52504	7.62196	0.99689	0.99905	0.99953	0.99689	0.99744	0.99872
36	82	23.45830	7.49211	0.99661	0.99921	0.99961	0.99661	0.99753	0.99876	20.52504	7.21152	0.99689	0.99916	0.99958	0.99689	0.99761	0.99880
36	83	23.45830	7.05756	0.99661	0.99931	0.99965	0.99661	0.99769	0.99884	20.52504	6.80735	0.99689	0.99926	0.99963	0.99689	0.99776	0.99888
36	84	23.45830	6.63342	0.99661	0.99939	0.99970	0.99661	0.99785	0.99892	20.52504	6.41122	0.99689	0.99935	0.99967	0.99689	0.99791	0.99895
36	85	23.45830	6.22156	0.99661	0.99947	0.99973	0.99661	0.99799	0.99899	20.52504	6.02503	0.99689	0.99943	0.99971	0.99689	0.99805	0.99902
36	86	23.45830	5.82374	0.99661	0.99953	0.99977	0.99661	0.99812	0.99906	20.52504	5.65055	0.99689	0.99950	0.99975	0.99689	0.99817	0.99909
36	87	23.45830	5.44155	0.99661	0.99959	0.99980	0.99661	0.99825	0.99912	20.52504	5.28949	0.99689	0.99956	0.99978	0.99689	0.99829	0.99915
36	88	23.45830	5.07613	0.99661	0.99965	0.99982	0.99661	0.99837	0.99918	20.52504	4.94306	0.99689	0.99962	0.99981	0.99689	0.99841	0.99920
36	89	23.45830	4.72862	0.99661	0.99969	0.99985	0.99661	0.99848	0.99924	20.52504	4.61250	0.99689	0.99967	0.99983	0.99689	0.99851	0.99926
36	90	23.45830	4.40007	0.99661	0.99973	0.99987	0.99661	0.99858	0.99929	20.52504	4.29901	0.99689	0.99971	0.99985	0.99689	0.99861	0.99931
36	91	23.45830	4.09149	0.99661	0.99977	0.99988	0.99661	0.99868	0.99934	20.52504	4.00370	0.99689	0.99975	0.99987	0.99689	0.99871	0.99935
36	92	23.45830	3.80354	0.99661	0.99980	0.99990	0.99661	0.99877	0.99938	20.52504	3.72738	0.99689	0.99978	0.99989	0.99689	0.99879	0.99940
36	93	23.45830	3.53621	0.99661	0.99983	0.99991	0.99661	0.99885	0.99943	20.52504	3.47020	0.99689	0.99981	0.99990	0.99689	0.99887	0.99944
36	94	23.45830	3.28870	0.99661	0.99985	0.99993	0.99661	0.99893	0.99947	20.52504	3.23152	0.99689	0.99983	0.99992	0.99689	0.99895	0.99947
36	95	23.45830	3.05955	0.99661	0.99987	0.99993	0.99661	0.99900	0.99950	20.52504	3.01004	0.99689	0.99986	0.99993	0.99689	0.99902	0.99951
36	96	23.45830	2.84646	0.99661	0.99989	0.99994	0.99661	0.99907	0.99953	20.52504	2.80360	0.99689	0.99987	0.99994	0.99689	0.99908	0.99954
36	97	23.45830	2.65226	0.99661	0.99990	0.99995	0.99661	0.99913	0.99957	20.52504	2.61510	0.99689	0.99989	0.99995	0.99689	0.99914	0.99957
36	98	23.45830	2.47567	0.99661	0.99991	0.99996	0.99661	0.99919	0.99959	20.52504	2.44340	0.99689	0.99990	0.99995	0.99689	0.99920	0.99960
36	99	23.45830	2.31535	0.99661	0.99992	0.99996	0.99661	0.99924	0.99962	20.52504	2.28724	0.99689	0.99992	0.99996	0.99689	0.99925	0.99963
36	100	23.45830	2.16976	0.99661	0.99993	0.99997	0.99661	0.99929	0.99964	20.52504	2.14523	0.99689	0.99993	0.99996	0.99689	0.99930	0.99965
36	101	23.45830	2.03734	0.99661	0.99994	0.99997	0.99661	0.99933	0.99967	20.52504	2.01587	0.99689	0.99994	0.99997	0.99689	0.99934	0.99967
36	102	23.45830	1.91714	0.99661	0.99995	0.99997	0.99661	0.99937	0.99969	20.52504	1.89830	0.99689	0.99994	0.99997	0.99689	0.99938	0.99969
36	103	23.45830	1.80800	0.99661	0.99995	0.99998	0.99661	0.99941	0.99970	20.52504	1.79140	0.99689	0.99995	0.99997	0.99689	0.99942	0.99971
36	104	23.45830	1.70943	0.99661	0.99996	0.99998	0.99661	0.99944	0.99972	20.52504	1.69474	0.99689	0.99995	0.99998	0.99689	0.99945	0.99972
36	105	23.45830	1.62048	0.99661	0.99996	0.99998	0.99661	0.99947	0.99974	20.52504	1.60741	0.99689	0.99996	0.99998	0.99689	0.99948	0.99974
36	106	23.45830	1.54080	0.99661	0.99997	0.99998	0.99661	0.99950	0.99975	20.52504	1.52911	0.99689	0.99996	0.99998	0.99689	0.99951	0.99975
36	107	23.45830	1.47009	0.99661	0.99997	0.99999	0.99661	0.99952	0.99976	20.52504	1.45954	0.99689	0.99997	0.99998	0.99689	0.99953	0.99976
36	108	23.45830	1.40861	0.99661	0.99997	0.99999	0.99661	0.99954	0.99977	20.52504	1.39898	0.99689	0.99997	0.99998	0.99689	0.99955	0.99977
36	109	23.45830	1.35764	0.99661	0.99997	0.99999	0.99661	0.99956	0.99978	20.52504	1.34871	0.99689	0.99997	0.99999	0.99689	0.99956	0.99978
36	110	23.45830	1.32125	0.99661	0.99998	0.99999	0.99661	0.99957	0.99978	20.52504	1.31279	0.99689	0.99997	0.99999	0.99689	0.99957	0.99979
37	1	23.28781	26.72925	0.99637	0.86883	0.92981	0.99637	0.86846	0.92960	20.40643	22.57586	0.99668	0.90161	0.94826	0.99668	0.90136	0.94812

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
37	2	23.28781	26.68154	0.99637	0.87030	0.93065	0.99637	0.86993	0.93044	20.40643	22.55058	0.99668	0.90256	0.94878	0.99668	0.90230	0.94864
37	3	23.28781	26.63112	0.99637	0.87183	0.93153	0.99637	0.87144	0.93131	20.40643	22.52338	0.99668	0.90354	0.94933	0.99668	0.90328	0.94918
37	4	23.28781	26.57806	0.99637	0.87342	0.93243	0.99637	0.87301	0.93220	20.40643	22.49433	0.99668	0.90458	0.94990	0.99668	0.90430	0.94975
37	5	23.28781	26.52283	0.99637	0.87506	0.93337	0.99637	0.87464	0.93313	20.40643	22.46379	0.99668	0.90565	0.95049	0.99668	0.90536	0.95033
37	6	23.28781	26.46539	0.99637	0.87677	0.93434	0.99637	0.87632	0.93409	20.40643	22.43176	0.99668	0.90677	0.95111	0.99668	0.90647	0.95094
37	7	23.28781	26.40551	0.99637	0.87854	0.93534	0.99637	0.87807	0.93508	20.40643	22.39806	0.99668	0.90794	0.95175	0.99668	0.90762	0.95157
37	8	23.28781	26.34335	0.99637	0.88037	0.93638	0.99637	0.87987	0.93610	20.40643	22.36278	0.99668	0.90916	0.95242	0.99668	0.90882	0.95223
37	9	23.28781	26.27867	0.99637	0.88226	0.93745	0.99637	0.88174	0.93715	20.40643	22.32575	0.99668	0.91042	0.95311	0.99668	0.91007	0.95292
37	10	23.28781	26.21121	0.99637	0.88422	0.93855	0.99637	0.88366	0.93824	20.40643	22.28674	0.99668	0.91174	0.95383	0.99668	0.91136	0.95362
37	11	23.28781	26.14141	0.99637	0.88625	0.93969	0.99637	0.88566	0.93936	20.40643	22.24611	0.99668	0.91310	0.95458	0.99668	0.91270	0.95436
37	12	23.28781	26.06892	0.99637	0.88834	0.94087	0.99637	0.88771	0.94052	20.40643	22.20360	0.99668	0.91452	0.95535	0.99668	0.91410	0.95512
37	13	23.28781	25.99388	0.99637	0.89050	0.94208	0.99637	0.88983	0.94170	20.40643	22.15929	0.99668	0.91599	0.95615	0.99668	0.91554	0.95591
37	14	23.28781	25.91617	0.99637	0.89272	0.94332	0.99637	0.89202	0.94293	20.40643	22.11310	0.99668	0.91751	0.95698	0.99668	0.91704	0.95672
37	15	23.28781	25.83587	0.99637	0.89501	0.94460	0.99637	0.89427	0.94418	20.40643	22.06509	0.99668	0.91909	0.95784	0.99668	0.91858	0.95756
37	16	23.28781	25.75319	0.99637	0.89737	0.94591	0.99637	0.89658	0.94547	20.40643	22.01544	0.99668	0.92072	0.95872	0.99668	0.92018	0.95843
37	17	23.28781	25.66857	0.99637	0.89979	0.94725	0.99637	0.89896	0.94679	20.40643	21.96453	0.99668	0.92240	0.95963	0.99668	0.92183	0.95933
37	18	23.28781	25.58235	0.99637	0.90227	0.94862	0.99637	0.90140	0.94814	20.40643	21.91267	0.99668	0.92412	0.96057	0.99668	0.92354	0.96025
37	19	23.28781	25.49361	0.99637	0.90481	0.95003	0.99637	0.90390	0.94952	20.40643	21.85907	0.99668	0.92590	0.96153	0.99668	0.92529	0.96120
37	20	23.28781	25.40164	0.99637	0.90741	0.95146	0.99637	0.90646	0.95093	20.40643	21.80312	0.99668	0.92773	0.96251	0.99668	0.92709	0.96217
37	21	23.28781	25.30562	0.99637	0.91008	0.95292	0.99637	0.90907	0.95237	20.40643	21.74411	0.99668	0.92961	0.96352	0.99668	0.92894	0.96316
37	22	23.28781	25.20517	0.99637	0.91280	0.95441	0.99637	0.91174	0.95383	20.40643	21.68171	0.99668	0.93155	0.96456	0.99668	0.93084	0.96418
37	23	23.28781	25.09967	0.99637	0.91558	0.95593	0.99637	0.91445	0.95532	20.40643	21.61537	0.99668	0.93352	0.96562	0.99668	0.93277	0.96522
37	24	23.28781	24.98936	0.99637	0.91841	0.95747	0.99637	0.91721	0.95682	20.40643	21.54528	0.99668	0.93555	0.96670	0.99668	0.93475	0.96627
37	25	23.28781	24.87419	0.99637	0.92128	0.95903	0.99637	0.92000	0.95833	20.40643	21.47137	0.99668	0.93761	0.96780	0.99668	0.93676	0.96735
37	26	23.28781	24.75420	0.99637	0.92418	0.96060	0.99637	0.92282	0.95986	20.40643	21.39367	0.99668	0.93970	0.96891	0.99668	0.93879	0.96843
37	27	23.28781	24.62994	0.99637	0.92710	0.96217	0.99637	0.92566	0.96139	20.40643	21.31262	0.99668	0.94182	0.97004	0.99668	0.94086	0.96953
37	28	23.28781	24.50119	0.99637	0.93005	0.96376	0.99637	0.92851	0.96293	20.40643	21.22804	0.99668	0.94396	0.97117	0.99668	0.94294	0.97063
37	29	23.28781	24.36788	0.99637	0.93300	0.96534	0.99637	0.93137	0.96446	20.40643	21.13984	0.99668	0.94612	0.97231	0.99668	0.94503	0.97174
37	30	23.28781	24.23009	0.99637	0.93594	0.96691	0.99637	0.93422	0.96599	20.40643	21.04806	0.99668	0.94828	0.97345	0.99668	0.94712	0.97284
37	31	23.28781	24.08752	0.99637	0.93888	0.96847	0.99637	0.93706	0.96751	20.40643	20.95246	0.99668	0.95044	0.97459	0.99668	0.94922	0.97395
37	32	23.28781	23.94006	0.99637	0.94179	0.97002	0.99637	0.93987	0.96900	20.40643	20.85289	0.99668	0.95260	0.97572	0.99668	0.95131	0.97505
37	33	23.28781	23.78740	0.99637	0.94466	0.97154	0.99637	0.94265	0.97048	20.40643	20.74907	0.99668	0.95474	0.97685	0.99668	0.95338	0.97613
37	34	23.28781	23.62942	0.99637	0.94750	0.97304	0.99637	0.94539	0.97193	20.40643	20.64088	0.99668	0.95686	0.97795	0.99668	0.95542	0.97720
37	35	23.28781	23.46579	0.99637	0.95028	0.97450	0.99637	0.94807	0.97334	20.40643	20.52800	0.99668	0.95895	0.97904	0.99668	0.95744	0.97826
37	36	23.28781	23.29632	0.99637	0.95300	0.97593	0.99637	0.95070	0.97472	20.40643	20.41023	0.99668	0.96100	0.98011	0.99668	0.95942	0.97929
37	37	23.28781	23.12089	0.99637	0.95564	0.97732	0.99637	0.95325	0.97606	20.40643	20.28745	0.99668	0.96300	0.98115	0.99668	0.96136	0.98030
37	38	23.28781	22.93911	0.99637	0.95821	0.97866	0.99637	0.95573	0.97736	20.40643	20.15926	0.99668	0.96496	0.98217	0.99668	0.96324	0.98128
37	39	23.28781	22.75087	0.99637	0.96069	0.97995	0.99637	0.95812	0.97861	20.40643	20.02555	0.99668	0.96686	0.98315	0.99668	0.96508	0.98223
37	40	23.28781	22.55572	0.99637	0.96308	0.98120	0.99637	0.96043	0.97981	20.40643	19.88587	0.99668	0.96871	0.98410	0.99668	0.96685	0.98315
37	41	23.28781	22.35340	0.99637	0.96538	0.98239	0.99637	0.96264	0.98096	20.40643	19.73995	0.99668	0.97049	0.98502	0.99668	0.96856	0.98403
37	42	23.28781	22.14385	0.99637	0.96758	0.98352	0.99637	0.96476	0.98206	20.40643	19.58769	0.99668	0.97220	0.98590	0.99668	0.97021	0.98488

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Beneficiary</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
37	43	23.28781	21.92669	0.99637	0.96967	0.98460	0.99637	0.96678	0.98311	20.40643	19.42870	0.99668	0.97384	0.98675	0.99668	0.97179	0.98569				
37	44	23.28781	21.70178	0.99637	0.97166	0.98563	0.99637	0.96871	0.98410	20.40643	19.26280	0.99668	0.97542	0.98756	0.99668	0.97330	0.98647				
37	45	23.28781	21.46876	0.99637	0.97355	0.98660	0.99637	0.97053	0.98505	20.40643	19.08963	0.99668	0.97692	0.98832	0.99668	0.97474	0.98721				
37	46	23.28781	21.22763	0.99637	0.97534	0.98752	0.99637	0.97227	0.98594	20.40643	18.90911	0.99668	0.97835	0.98906	0.99668	0.97612	0.98792				
37	47	23.28781	20.97813	0.99637	0.97703	0.98838	0.99637	0.97390	0.98678	20.40643	18.72094	0.99668	0.97971	0.98975	0.99668	0.97743	0.98858				
37	48	23.28781	20.72003	0.99637	0.97862	0.98920	0.99637	0.97545	0.98757	20.40643	18.52488	0.99668	0.98100	0.99041	0.99668	0.97867	0.98922				
37	49	23.28781	20.45326	0.99637	0.98012	0.98996	0.99637	0.97691	0.98832	20.40643	18.32076	0.99668	0.98223	0.99103	0.99668	0.97985	0.98982				
37	50	23.28781	20.17742	0.99637	0.98153	0.99068	0.99637	0.97828	0.98902	20.40643	18.10816	0.99668	0.98339	0.99162	0.99668	0.98096	0.99039				
37	51	23.28781	19.89339	0.99637	0.98285	0.99135	0.99637	0.97958	0.98968	20.40643	17.88781	0.99668	0.98448	0.99218	0.99668	0.98202	0.99093				
37	52	23.28781	19.60122	0.99637	0.98409	0.99198	0.99637	0.98079	0.99030	20.40643	17.65967	0.99668	0.98552	0.99271	0.99668	0.98302	0.99144				
37	53	23.28781	19.30125	0.99637	0.98525	0.99257	0.99637	0.98194	0.99089	20.40643	17.42398	0.99668	0.98649	0.99320	0.99668	0.98397	0.99192				
37	54	23.28781	18.99375	0.99637	0.98634	0.99312	0.99637	0.98302	0.99144	20.40643	17.18091	0.99668	0.98741	0.99367	0.99668	0.98486	0.99237				
37	55	23.28781	18.67912	0.99637	0.98735	0.99364	0.99637	0.98403	0.99195	20.40643	16.93076	0.99668	0.98828	0.99411	0.99668	0.98571	0.99280				
37	56	23.28781	18.35803	0.99637	0.98830	0.99412	0.99637	0.98499	0.99244	20.40643	16.67407	0.99668	0.98910	0.99452	0.99668	0.98651	0.99321				
37	57	23.28781	18.02853	0.99637	0.98919	0.99457	0.99637	0.98589	0.99289	20.40643	16.40902	0.99668	0.98987	0.99491	0.99668	0.98727	0.99360				
37	58	23.28781	17.69065	0.99637	0.99003	0.99499	0.99637	0.98674	0.99332	20.40643	16.13552	0.99668	0.99060	0.99528	0.99668	0.98800	0.99396				
37	59	23.28781	17.34441	0.99637	0.99080	0.99538	0.99637	0.98754	0.99373	20.40643	15.85354	0.99668	0.99128	0.99562	0.99668	0.98868	0.99431				
37	60	23.28781	16.98967	0.99637	0.99153	0.99575	0.99637	0.98829	0.99411	20.40643	15.56284	0.99668	0.99193	0.99595	0.99668	0.98933	0.99464				
37	61	23.28781	16.62627	0.99637	0.99221	0.99609	0.99637	0.98901	0.99447	20.40643	15.26320	0.99668	0.99254	0.99625	0.99668	0.98995	0.99495				
37	62	23.28781	16.25423	0.99637	0.99285	0.99641	0.99637	0.98968	0.99481	20.40643	14.95454	0.99668	0.99311	0.99654	0.99668	0.99053	0.99524				
37	63	23.28781	15.87341	0.99637	0.99344	0.99671	0.99637	0.99032	0.99514	20.40643	14.63664	0.99668	0.99365	0.99681	0.99668	0.99109	0.99552				
37	64	23.28781	15.48353	0.99637	0.99400	0.99699	0.99637	0.99092	0.99544	20.40643	14.30913	0.99668	0.99415	0.99707	0.99668	0.99162	0.99579				
37	65	23.28781	15.08480	0.99637	0.99452	0.99725	0.99637	0.99149	0.99573	20.40643	13.97213	0.99668	0.99463	0.99731	0.99668	0.99212	0.99604				
37	66	23.28781	14.67724	0.99637	0.99500	0.99749	0.99637	0.99203	0.99600	20.40643	13.62552	0.99668	0.99508	0.99753	0.99668	0.99259	0.99628				
37	67	23.28781	14.26104	0.99637	0.99545	0.99772	0.99637	0.99254	0.99626	20.40643	13.26940	0.99668	0.99550	0.99774	0.99668	0.99305	0.99651				
37	68	23.28781	13.83657	0.99637	0.99587	0.99793	0.99637	0.99302	0.99650	20.40643	12.90401	0.99668	0.99589	0.99794	0.99668	0.99347	0.99673				
37	69	23.28781	13.40435	0.99637	0.99626	0.99813	0.99637	0.99347	0.99673	20.40643	12.52973	0.99668	0.99626	0.99812	0.99668	0.99388	0.99693				
37	70	23.28781	12.96501	0.99637	0.99662	0.99831	0.99637	0.99390	0.99694	20.40643	12.14706	0.99668	0.99660	0.99830	0.99668	0.99427	0.99712				
37	71	23.28781	12.51927	0.99637	0.99695	0.99847	0.99637	0.99430	0.99714	20.40643	11.75658	0.99668	0.99692	0.99846	0.99668	0.99463	0.99731				
37	72	23.28781	12.06792	0.99637	0.99725	0.99862	0.99637	0.99468	0.99733	20.40643	11.35893	0.99668	0.99721	0.99860	0.99668	0.99497	0.99748				
37	73	23.28781	11.61185	0.99637	0.99753	0.99876	0.99637	0.99504	0.99751	20.40643	10.95491	0.99668	0.99748	0.99874	0.99668	0.99529	0.99764				
37	74	23.28781	11.15217	0.99637	0.99779	0.99889	0.99637	0.99537	0.99768	20.40643	10.54549	0.99668	0.99773	0.99886	0.99668	0.99560	0.99779				
37	75	23.28781	10.68986	0.99637	0.99802	0.99901	0.99637	0.99568	0.99784	20.40643	10.13154	0.99668	0.99796	0.99898	0.99668	0.99588	0.99794				
37	76	23.28781	10.22626	0.99637	0.99823	0.99912	0.99637	0.99597	0.99798	20.40643	9.71428	0.99668	0.99817	0.99909	0.99668	0.99615	0.99807				
37	77	23.28781	9.76277	0.99637	0.99843	0.99921	0.99637	0.99624	0.99812	20.40643	9.29502	0.99668	0.99837	0.99918	0.99668	0.99640	0.99820				
37	78	23.28781	9.30064	0.99637	0.99860	0.99930	0.99637	0.99650	0.99825	20.40643	8.87492	0.99668	0.99854	0.99927	0.99668	0.99664	0.99832				
37	79	23.28781	8.84103	0.99637	0.99876	0.99938	0.99637	0.99674	0.99837	20.40643	8.45509	0.99668	0.99870	0.99935	0.99668	0.99686	0.99843				
37	80	23.28781	8.38551	0.99637	0.99891	0.99945	0.99637	0.99696	0.99848	20.40643	8.03703	0.99668	0.99885	0.99942	0.99668	0.99707	0.99853				
37	81	23.28781	7.93532	0.99637	0.99903	0.99952	0.99637	0.99716	0.99858	20.40643	7.62196	0.99668	0.99898	0.99949	0.99668	0.99726	0.99863				
37	82	23.28781	7.49211	0.99637	0.99915	0.99957	0.99637	0.99736	0.99868	20.40643	7.21152	0.99668	0.99910	0.99955	0.99668	0.99744	0.99872				
37	83	23.28781	7.05756	0.99637	0.99925	0.99963	0.99637	0.99754	0.99877	20.40643	6.80735	0.99668	0.99920	0.99960	0.99668	0.99761	0.99880				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
37	84	23.28781	6.63342	0.99637	0.99935	0.99967	0.99637	0.99770	0.99885	20.40643	6.41122	0.99668	0.99930	0.99965	0.99668	0.99777	0.99888
37	85	23.28781	6.22156	0.99637	0.99943	0.99971	0.99637	0.99786	0.99893	20.40643	6.02503	0.99668	0.99939	0.99969	0.99668	0.99792	0.99896
37	86	23.28781	5.82374	0.99637	0.99950	0.99975	0.99637	0.99801	0.99900	20.40643	5.65055	0.99668	0.99946	0.99973	0.99668	0.99806	0.99903
37	87	23.28781	5.44155	0.99637	0.99957	0.99978	0.99637	0.99814	0.99907	20.40643	5.28949	0.99668	0.99953	0.99977	0.99668	0.99819	0.99909
37	88	23.28781	5.07613	0.99637	0.99962	0.99981	0.99637	0.99827	0.99913	20.40643	4.94306	0.99668	0.99959	0.99980	0.99668	0.99831	0.99915
37	89	23.28781	4.72862	0.99637	0.99967	0.99984	0.99637	0.99839	0.99919	20.40643	4.61250	0.99668	0.99964	0.99982	0.99668	0.99842	0.99921
37	90	23.28781	4.40007	0.99637	0.99972	0.99986	0.99637	0.99850	0.99925	20.40643	4.29901	0.99668	0.99969	0.99985	0.99668	0.99853	0.99926
37	91	23.28781	4.09149	0.99637	0.99975	0.99988	0.99637	0.99860	0.99930	20.40643	4.00370	0.99668	0.99973	0.99987	0.99668	0.99863	0.99931
37	92	23.28781	3.80354	0.99637	0.99979	0.99989	0.99637	0.99870	0.99935	20.40643	3.72738	0.99668	0.99977	0.99988	0.99668	0.99872	0.99936
37	93	23.28781	3.53621	0.99637	0.99982	0.99991	0.99637	0.99878	0.99939	20.40643	3.47020	0.99668	0.99980	0.99990	0.99668	0.99881	0.99940
37	94	23.28781	3.28870	0.99637	0.99984	0.99992	0.99637	0.99887	0.99943	20.40643	3.23152	0.99668	0.99982	0.99991	0.99668	0.99889	0.99944
37	95	23.28781	3.05955	0.99637	0.99986	0.99993	0.99637	0.99894	0.99947	20.40643	3.01004	0.99668	0.99985	0.99992	0.99668	0.99896	0.99948
37	96	23.28781	2.84646	0.99637	0.99988	0.99994	0.99637	0.99901	0.99951	20.40643	2.80360	0.99668	0.99987	0.99993	0.99668	0.99903	0.99951
37	97	23.28781	2.65226	0.99637	0.99990	0.99995	0.99637	0.99908	0.99954	20.40643	2.61510	0.99668	0.99988	0.99994	0.99668	0.99909	0.99955
37	98	23.28781	2.47567	0.99637	0.99991	0.99995	0.99637	0.99914	0.99957	20.40643	2.44340	0.99668	0.99990	0.99995	0.99668	0.99915	0.99958
37	99	23.28781	2.31535	0.99637	0.99992	0.99996	0.99637	0.99919	0.99960	20.40643	2.28724	0.99668	0.99991	0.99996	0.99668	0.99921	0.99960
37	100	23.28781	2.16976	0.99637	0.99993	0.99996	0.99637	0.99925	0.99962	20.40643	2.14523	0.99668	0.99992	0.99996	0.99668	0.99926	0.99963
37	101	23.28781	2.03734	0.99637	0.99994	0.99997	0.99637	0.99929	0.99965	20.40643	2.01587	0.99668	0.99993	0.99997	0.99668	0.99930	0.99965
37	102	23.28781	1.91714	0.99637	0.99995	0.99997	0.99637	0.99933	0.99967	20.40643	1.89830	0.99668	0.99994	0.99997	0.99668	0.99934	0.99967
37	103	23.28781	1.80800	0.99637	0.99995	0.99998	0.99637	0.99937	0.99969	20.40643	1.79140	0.99668	0.99995	0.99997	0.99668	0.99938	0.99969
37	104	23.28781	1.70943	0.99637	0.99996	0.99998	0.99637	0.99941	0.99970	20.40643	1.69474	0.99668	0.99995	0.99998	0.99668	0.99942	0.99971
37	105	23.28781	1.62048	0.99637	0.99996	0.99998	0.99637	0.99944	0.99972	20.40643	1.60741	0.99668	0.99996	0.99998	0.99668	0.99945	0.99972
37	106	23.28781	1.54080	0.99637	0.99996	0.99998	0.99637	0.99947	0.99974	20.40643	1.52911	0.99668	0.99996	0.99998	0.99668	0.99948	0.99974
37	107	23.28781	1.47009	0.99637	0.99997	0.99998	0.99637	0.99950	0.99975	20.40643	1.45954	0.99668	0.99996	0.99998	0.99668	0.99950	0.99975
37	108	23.28781	1.40861	0.99637	0.99997	0.99999	0.99637	0.99952	0.99976	20.40643	1.39898	0.99668	0.99997	0.99998	0.99668	0.99952	0.99976
37	109	23.28781	1.35764	0.99637	0.99997	0.99999	0.99637	0.99953	0.99977	20.40643	1.34871	0.99668	0.99997	0.99998	0.99668	0.99954	0.99977
37	110	23.28781	1.32125	0.99637	0.99997	0.99999	0.99637	0.99954	0.99977	20.40643	1.31279	0.99668	0.99997	0.99999	0.99668	0.99955	0.99977
38	1	23.11117	26.72925	0.99610	0.86233	0.92608	0.99610	0.86196	0.92586	20.28261	22.57586	0.99644	0.89621	0.94527	0.99644	0.89596	0.94512
38	2	23.11117	26.68154	0.99610	0.86379	0.92692	0.99610	0.86342	0.92670	20.28261	22.55058	0.99644	0.89716	0.94579	0.99644	0.89690	0.94565
38	3	23.11117	26.63112	0.99610	0.86532	0.92780	0.99610	0.86493	0.92757	20.28261	22.52338	0.99644	0.89815	0.94634	0.99644	0.89788	0.94619
38	4	23.11117	26.57806	0.99610	0.86690	0.92871	0.99610	0.86650	0.92847	20.28261	22.49433	0.99644	0.89918	0.94691	0.99644	0.89890	0.94676
38	5	23.11117	26.52283	0.99610	0.86855	0.92965	0.99610	0.86812	0.92941	20.28261	22.46379	0.99644	0.90026	0.94751	0.99644	0.89996	0.94735
38	6	23.11117	26.46539	0.99610	0.87025	0.93063	0.99610	0.86980	0.93037	20.28261	22.43176	0.99644	0.90138	0.94813	0.99644	0.90107	0.94796
38	7	23.11117	26.40551	0.99610	0.87202	0.93164	0.99610	0.87155	0.93137	20.28261	22.39806	0.99644	0.90255	0.94878	0.99644	0.90223	0.94860
38	8	23.11117	26.34335	0.99610	0.87385	0.93268	0.99610	0.87335	0.93239	20.28261	22.36278	0.99644	0.90377	0.94945	0.99644	0.90343	0.94926
38	9	23.11117	26.27867	0.99610	0.87575	0.93376	0.99610	0.87522	0.93346	20.28261	22.32575	0.99644	0.90504	0.95015	0.99644	0.90468	0.94995
38	10	23.11117	26.21121	0.99610	0.87771	0.93487	0.99610	0.87715	0.93455	20.28261	22.28674	0.99644	0.90636	0.95088	0.99644	0.90598	0.95067
38	11	23.11117	26.14141	0.99610	0.87974	0.93602	0.99610	0.87915	0.93569	20.28261	22.24611	0.99644	0.90773	0.95164	0.99644	0.90733	0.95141
38	12	23.11117	26.06892	0.99610	0.88184	0.93721	0.99610	0.88121	0.93685	20.28261	22.20360	0.99644	0.90916	0.95242	0.99644	0.90873	0.95218
38	13	23.11117	25.99388	0.99610	0.88400	0.93843	0.99610	0.88334	0.93805	20.28261	22.15929	0.99644	0.91064	0.95323	0.99644	0.91018	0.95298
38	14	23.11117	25.91617	0.99610	0.88624	0.93969	0.99610	0.88553	0.93929	20.28261	22.11310	0.99644	0.91218	0.95407	0.99644	0.91169	0.95381

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
38	15	23.11117	25.83587	0.99610	0.88855	0.94098	0.99610	0.88779	0.94056	20.28261	22.06509	0.99644	0.91377	0.95494	0.99644	0.91325	0.95466
38	16	23.11117	25.75319	0.99610	0.89092	0.94231	0.99610	0.89012	0.94187	20.28261	22.01544	0.99644	0.91541	0.95584	0.99644	0.91487	0.95554
38	17	23.11117	25.66857	0.99610	0.89336	0.94368	0.99610	0.89252	0.94321	20.28261	21.96453	0.99644	0.91711	0.95676	0.99644	0.91654	0.95645
38	18	23.11117	25.58235	0.99610	0.89586	0.94507	0.99610	0.89499	0.94458	20.28261	21.91267	0.99644	0.91886	0.95771	0.99644	0.91826	0.95739
38	19	23.11117	25.49361	0.99610	0.89843	0.94650	0.99610	0.89752	0.94599	20.28261	21.85907	0.99644	0.92066	0.95869	0.99644	0.92004	0.95836
38	20	23.11117	25.40164	0.99610	0.90107	0.94796	0.99610	0.90011	0.94743	20.28261	21.80312	0.99644	0.92252	0.95970	0.99644	0.92187	0.95935
38	21	23.11117	25.30562	0.99610	0.90378	0.94946	0.99610	0.90277	0.94890	20.28261	21.74411	0.99644	0.92444	0.96074	0.99644	0.92376	0.96037
38	22	23.11117	25.20517	0.99610	0.90655	0.95098	0.99610	0.90548	0.95039	20.28261	21.68171	0.99644	0.92641	0.96180	0.99644	0.92569	0.96141
38	23	23.11117	25.09967	0.99610	0.90938	0.95254	0.99610	0.90824	0.95192	20.28261	21.61537	0.99644	0.92843	0.96289	0.99644	0.92767	0.96248
38	24	23.11117	24.98936	0.99610	0.91227	0.95412	0.99610	0.91106	0.95346	20.28261	21.54528	0.99644	0.93051	0.96400	0.99644	0.92969	0.96357
38	25	23.11117	24.87419	0.99610	0.91521	0.95573	0.99610	0.91392	0.95502	20.28261	21.47137	0.99644	0.93263	0.96514	0.99644	0.93176	0.96467
38	26	23.11117	24.75420	0.99610	0.91819	0.95735	0.99610	0.91682	0.95660	20.28261	21.39367	0.99644	0.93479	0.96629	0.99644	0.93386	0.96580
38	27	23.11117	24.62994	0.99610	0.92121	0.95899	0.99610	0.91974	0.95819	20.28261	21.31262	0.99644	0.93698	0.96746	0.99644	0.93599	0.96694
38	28	23.11117	24.50119	0.99610	0.92425	0.96063	0.99610	0.92269	0.95979	20.28261	21.22804	0.99644	0.93920	0.96865	0.99644	0.93815	0.96809
38	29	23.11117	24.36788	0.99610	0.92731	0.96228	0.99610	0.92565	0.96139	20.28261	21.13984	0.99644	0.94144	0.96984	0.99644	0.94032	0.96924
38	30	23.11117	24.23009	0.99610	0.93038	0.96393	0.99610	0.92862	0.96299	20.28261	21.04806	0.99644	0.94370	0.97103	0.99644	0.94251	0.97040
38	31	23.11117	24.08752	0.99610	0.93344	0.96557	0.99610	0.93158	0.96458	20.28261	20.95246	0.99644	0.94596	0.97223	0.99644	0.94470	0.97157
38	32	23.11117	23.94006	0.99610	0.93649	0.96720	0.99610	0.93453	0.96616	20.28261	20.85289	0.99644	0.94823	0.97343	0.99644	0.94690	0.97272
38	33	23.11117	23.78740	0.99610	0.93952	0.96882	0.99610	0.93746	0.96772	20.28261	20.74907	0.99644	0.95049	0.97462	0.99644	0.94908	0.97388
38	34	23.11117	23.62942	0.99610	0.94252	0.97041	0.99610	0.94035	0.96926	20.28261	20.64088	0.99644	0.95273	0.97579	0.99644	0.95125	0.97502
38	35	23.11117	23.46579	0.99610	0.94547	0.97197	0.99610	0.94320	0.97077	20.28261	20.52800	0.99644	0.95495	0.97696	0.99644	0.95339	0.97614
38	36	23.11117	23.29632	0.99610	0.94837	0.97350	0.99610	0.94599	0.97224	20.28261	20.41023	0.99644	0.95714	0.97810	0.99644	0.95550	0.97725
38	37	23.11117	23.12089	0.99610	0.95120	0.97499	0.99610	0.94872	0.97368	20.28261	20.28745	0.99644	0.95929	0.97922	0.99644	0.95758	0.97833
38	38	23.11117	22.93911	0.99610	0.95396	0.97644	0.99610	0.95137	0.97508	20.28261	20.15926	0.99644	0.96140	0.98032	0.99644	0.95961	0.97939
38	39	23.11117	22.75087	0.99610	0.95663	0.97784	0.99610	0.95395	0.97643	20.28261	20.02555	0.99644	0.96346	0.98139	0.99644	0.96158	0.98042
38	40	23.11117	22.55572	0.99610	0.95922	0.97919	0.99610	0.95644	0.97774	20.28261	19.88587	0.99644	0.96545	0.98242	0.99644	0.96350	0.98141
38	41	23.11117	22.35340	0.99610	0.96172	0.98049	0.99610	0.95884	0.97899	20.28261	19.73995	0.99644	0.96739	0.98342	0.99644	0.96536	0.98238
38	42	23.11117	22.14385	0.99610	0.96411	0.98173	0.99610	0.96115	0.98019	20.28261	19.58769	0.99644	0.96926	0.98439	0.99644	0.96716	0.98330
38	43	23.11117	21.92669	0.99610	0.96640	0.98291	0.99610	0.96336	0.98134	20.28261	19.42870	0.99644	0.97106	0.98532	0.99644	0.96888	0.98420
38	44	23.11117	21.70178	0.99610	0.96859	0.98404	0.99610	0.96546	0.98243	20.28261	19.26280	0.99644	0.97278	0.98620	0.99644	0.97054	0.98505
38	45	23.11117	21.46876	0.99610	0.97067	0.98512	0.99610	0.96747	0.98347	20.28261	19.08963	0.99644	0.97444	0.98705	0.99644	0.97213	0.98587
38	46	23.11117	21.22763	0.99610	0.97264	0.98613	0.99610	0.96938	0.98445	20.28261	18.90911	0.99644	0.97601	0.98786	0.99644	0.97364	0.98664
38	47	23.11117	20.97813	0.99610	0.97451	0.98709	0.99610	0.97118	0.98538	20.28261	18.72094	0.99644	0.97752	0.98863	0.99644	0.97508	0.98738
38	48	23.11117	20.72003	0.99610	0.97627	0.98799	0.99610	0.97289	0.98626	20.28261	18.52488	0.99644	0.97895	0.98936	0.99644	0.97645	0.98809
38	49	23.11117	20.45326	0.99610	0.97793	0.98884	0.99610	0.97450	0.98709	20.28261	18.32076	0.99644	0.98030	0.99005	0.99644	0.97776	0.98875
38	50	23.11117	20.17742	0.99610	0.97950	0.98964	0.99610	0.97602	0.98787	20.28261	18.10816	0.99644	0.98159	0.99071	0.99644	0.97899	0.98938
38	51	23.11117	19.89339	0.99610	0.98097	0.99039	0.99610	0.97746	0.98860	20.28261	17.88781	0.99644	0.98281	0.99133	0.99644	0.98016	0.98998
38	52	23.11117	19.60122	0.99610	0.98234	0.99109	0.99610	0.97881	0.98929	20.28261	17.65967	0.99644	0.98396	0.99191	0.99644	0.98127	0.99055
38	53	23.11117	19.30125	0.99610	0.98363	0.99175	0.99610	0.98008	0.98994	20.28261	17.42398	0.99644	0.98504	0.99246	0.99644	0.98232	0.99108
38	54	23.11117	18.99375	0.99610	0.98484	0.99236	0.99610	0.98127	0.99055	20.28261	17.18091	0.99644	0.98606	0.99298	0.99644	0.98332	0.99159
38	55	23.11117	18.67912	0.99610	0.98597	0.99294	0.99610	0.98240	0.99112	20.28261	16.93076	0.99644	0.98703	0.99347	0.99644	0.98426	0.99207

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
38	56	23.11117	18.35803	0.99610	0.98703	0.99347	0.99610	0.98346	0.99166	20.28261	16.67407	0.99644	0.98794	0.99393	0.99644	0.98515	0.99252				
38	57	23.11117	18.02853	0.99610	0.98802	0.99397	0.99610	0.98446	0.99217	20.28261	16.40902	0.99644	0.98879	0.99436	0.99644	0.98599	0.99295				
38	58	23.11117	17.69065	0.99610	0.98895	0.99444	0.99610	0.98540	0.99264	20.28261	16.13552	0.99644	0.98960	0.99477	0.99644	0.98679	0.99335				
38	59	23.11117	17.34441	0.99610	0.98981	0.99488	0.99610	0.98628	0.99309	20.28261	15.85354	0.99644	0.99036	0.99516	0.99644	0.98755	0.99373				
38	60	23.11117	16.98967	0.99610	0.99062	0.99529	0.99610	0.98712	0.99352	20.28261	15.56284	0.99644	0.99108	0.99552	0.99644	0.98827	0.99410				
38	61	23.11117	16.62627	0.99610	0.99138	0.99567	0.99610	0.98791	0.99392	20.28261	15.26320	0.99644	0.99175	0.99586	0.99644	0.98895	0.99444				
38	62	23.11117	16.25423	0.99610	0.99208	0.99603	0.99610	0.98866	0.99430	20.28261	14.95454	0.99644	0.99239	0.99618	0.99644	0.98960	0.99477				
38	63	23.11117	15.87341	0.99610	0.99275	0.99636	0.99610	0.98936	0.99465	20.28261	14.63664	0.99644	0.99298	0.99648	0.99644	0.99021	0.99508				
38	64	23.11117	15.48353	0.99610	0.99336	0.99667	0.99610	0.99003	0.99499	20.28261	14.30913	0.99644	0.99355	0.99676	0.99644	0.99079	0.99538				
38	65	23.11117	15.08480	0.99610	0.99394	0.99696	0.99610	0.99066	0.99531	20.28261	13.97213	0.99644	0.99408	0.99703	0.99644	0.99135	0.99566				
38	66	23.11117	14.67724	0.99610	0.99448	0.99723	0.99610	0.99125	0.99561	20.28261	13.62552	0.99644	0.99457	0.99728	0.99644	0.99188	0.99592				
38	67	23.11117	14.26104	0.99610	0.99498	0.99748	0.99610	0.99182	0.99589	20.28261	13.26940	0.99644	0.99504	0.99751	0.99644	0.99238	0.99617				
38	68	23.11117	13.83657	0.99610	0.99544	0.99771	0.99610	0.99235	0.99616	20.28261	12.90401	0.99644	0.99547	0.99773	0.99644	0.99285	0.99641				
38	69	23.11117	13.40435	0.99610	0.99587	0.99793	0.99610	0.99285	0.99641	20.28261	12.52973	0.99644	0.99588	0.99794	0.99644	0.99330	0.99664				
38	70	23.11117	12.96501	0.99610	0.99627	0.99813	0.99610	0.99332	0.99665	20.28261	12.14706	0.99644	0.99626	0.99813	0.99644	0.99373	0.99685				
38	71	23.11117	12.51927	0.99610	0.99664	0.99832	0.99610	0.99377	0.99687	20.28261	11.75658	0.99644	0.99661	0.99830	0.99644	0.99413	0.99706				
38	72	23.11117	12.06792	0.99610	0.99697	0.99849	0.99610	0.99419	0.99709	20.28261	11.35893	0.99644	0.99694	0.99847	0.99644	0.99451	0.99725				
38	73	23.11117	11.61185	0.99610	0.99729	0.99864	0.99610	0.99458	0.99728	20.28261	10.95491	0.99644	0.99724	0.99862	0.99644	0.99487	0.99743				
38	74	23.11117	11.15217	0.99610	0.99757	0.99878	0.99610	0.99495	0.99747	20.28261	10.54549	0.99644	0.99752	0.99876	0.99644	0.99521	0.99760				
38	75	23.11117	10.68986	0.99610	0.99783	0.99891	0.99610	0.99530	0.99765	20.28261	10.13154	0.99644	0.99777	0.99888	0.99644	0.99553	0.99776				
38	76	23.11117	10.22626	0.99610	0.99807	0.99903	0.99610	0.99563	0.99781	20.28261	9.71428	0.99644	0.99800	0.99900	0.99644	0.99583	0.99791				
38	77	23.11117	9.76277	0.99610	0.99828	0.99914	0.99610	0.99593	0.99796	20.28261	9.29502	0.99644	0.99822	0.99911	0.99644	0.99611	0.99805				
38	78	23.11117	9.30064	0.99610	0.99848	0.99924	0.99610	0.99621	0.99810	20.28261	8.87492	0.99644	0.99841	0.99921	0.99644	0.99637	0.99818				
38	79	23.11117	8.84103	0.99610	0.99865	0.99933	0.99610	0.99648	0.99823	20.28261	8.45509	0.99644	0.99859	0.99929	0.99644	0.99661	0.99830				
38	80	23.11117	8.38551	0.99610	0.99881	0.99941	0.99610	0.99672	0.99836	20.28261	8.03703	0.99644	0.99875	0.99937	0.99644	0.99684	0.99842				
38	81	23.11117	7.93532	0.99610	0.99895	0.99948	0.99610	0.99695	0.99847	20.28261	7.62196	0.99644	0.99890	0.99945	0.99644	0.99706	0.99853				
38	82	23.11117	7.49211	0.99610	0.99908	0.99954	0.99610	0.99716	0.99858	20.28261	7.21152	0.99644	0.99903	0.99951	0.99644	0.99726	0.99863				
38	83	23.11117	7.05756	0.99610	0.99919	0.99960	0.99610	0.99736	0.99868	20.28261	6.80735	0.99644	0.99914	0.99957	0.99644	0.99744	0.99872				
38	84	23.11117	6.63342	0.99610	0.99930	0.99965	0.99610	0.99754	0.99877	20.28261	6.41122	0.99644	0.99925	0.99962	0.99644	0.99762	0.99881				
38	85	23.11117	6.22156	0.99610	0.99939	0.99969	0.99610	0.99771	0.99886	20.28261	6.02503	0.99644	0.99934	0.99967	0.99644	0.99778	0.99889				
38	86	23.11117	5.82374	0.99610	0.99946	0.99973	0.99610	0.99787	0.99894	20.28261	5.65055	0.99644	0.99942	0.99971	0.99644	0.99793	0.99896				
38	87	23.11117	5.44155	0.99610	0.99953	0.99977	0.99610	0.99802	0.99901	20.28261	5.28949	0.99644	0.99950	0.99975	0.99644	0.99807	0.99903				
38	88	23.11117	5.07613	0.99610	0.99960	0.99980	0.99610	0.99816	0.99908	20.28261	4.94306	0.99644	0.99956	0.99978	0.99644	0.99820	0.99910				
38	89	23.11117	4.72862	0.99610	0.99965	0.99982	0.99610	0.99829	0.99914	20.28261	4.61250	0.99644	0.99962	0.99981	0.99644	0.99833	0.99916				
38	90	23.11117	4.40007	0.99610	0.99970	0.99985	0.99610	0.99840	0.99920	20.28261	4.29901	0.99644	0.99967	0.99983	0.99644	0.99844	0.99922				
38	91	23.11117	4.09149	0.99610	0.99974	0.99987	0.99610	0.99852	0.99926	20.28261	4.00370	0.99644	0.99971	0.99986	0.99644	0.99855	0.99927				
38	92	23.11117	3.80354	0.99610	0.99977	0.99989	0.99610	0.99862	0.99931	20.28261	3.72738	0.99644	0.99975	0.99988	0.99644	0.99864	0.99932				
38	93	23.11117	3.53621	0.99610	0.99980	0.99990	0.99610	0.99871	0.99936	20.28261	3.47020	0.99644	0.99978	0.99989	0.99644	0.99874	0.99937				
38	94	23.11117	3.28870	0.99610	0.99983	0.99991	0.99610	0.99880	0.99940	20.28261	3.23152	0.99644	0.99981	0.99991	0.99644	0.99882	0.99941				
38	95	23.11117	3.05955	0.99610	0.99985	0.99993	0.99610	0.99888	0.99944	20.28261	3.01004	0.99644	0.99984	0.99992	0.99644	0.99890	0.99945				
38	96	23.11117	2.84646	0.99610	0.99987	0.99994	0.99610	0.99896	0.99948	20.28261	2.80360	0.99644	0.99986	0.99993	0.99644	0.99897	0.99949				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Beneficiary</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
38	97	23.11117	2.65226	0.99610	0.99989	0.99994	0.99610	0.99902	0.99951	20.28261	2.61510	0.99644	0.99988	0.99994	0.99644	0.99904	0.99952				
38	98	23.11117	2.47567	0.99610	0.99990	0.99995	0.99610	0.99909	0.99954	20.28261	2.44340	0.99644	0.99989	0.99995	0.99644	0.99910	0.99955				
38	99	23.11117	2.31535	0.99610	0.99991	0.99996	0.99610	0.99915	0.99957	20.28261	2.28724	0.99644	0.99991	0.99995	0.99644	0.99916	0.99958				
38	100	23.11117	2.16976	0.99610	0.99992	0.99996	0.99610	0.99920	0.99960	20.28261	2.14523	0.99644	0.99992	0.99996	0.99644	0.99921	0.99961				
38	101	23.11117	2.03734	0.99610	0.99993	0.99997	0.99610	0.99925	0.99962	20.28261	2.01587	0.99644	0.99993	0.99996	0.99644	0.99926	0.99963				
38	102	23.11117	1.91714	0.99610	0.99994	0.99997	0.99610	0.99930	0.99965	20.28261	1.89830	0.99644	0.99993	0.99997	0.99644	0.99930	0.99965				
38	103	23.11117	1.80800	0.99610	0.99995	0.99997	0.99610	0.99934	0.99967	20.28261	1.79140	0.99644	0.99994	0.99997	0.99644	0.99934	0.99967				
38	104	23.11117	1.70943	0.99610	0.99995	0.99998	0.99610	0.99937	0.99969	20.28261	1.69474	0.99644	0.99995	0.99997	0.99644	0.99938	0.99969				
38	105	23.11117	1.62048	0.99610	0.99996	0.99998	0.99610	0.99941	0.99970	20.28261	1.60741	0.99644	0.99995	0.99998	0.99644	0.99942	0.99971				
38	106	23.11117	1.54080	0.99610	0.99996	0.99998	0.99610	0.99944	0.99972	20.28261	1.52911	0.99644	0.99996	0.99998	0.99644	0.99945	0.99972				
38	107	23.11117	1.47009	0.99610	0.99997	0.99998	0.99610	0.99947	0.99973	20.28261	1.45954	0.99644	0.99996	0.99998	0.99644	0.99947	0.99974				
38	108	23.11117	1.40861	0.99610	0.99997	0.99998	0.99610	0.99949	0.99974	20.28261	1.39898	0.99644	0.99997	0.99998	0.99644	0.99949	0.99975				
38	109	23.11117	1.35764	0.99610	0.99997	0.99999	0.99610	0.99950	0.99975	20.28261	1.34871	0.99644	0.99997	0.99998	0.99644	0.99951	0.99975				
38	110	23.11117	1.32125	0.99610	0.99997	0.99999	0.99610	0.99952	0.99976	20.28261	1.31279	0.99644	0.99997	0.99998	0.99644	0.99952	0.99976				
39	1	22.92820	26.72925	0.99579	0.85558	0.92217	0.99579	0.85521	0.92196	20.15342	22.57586	0.99617	0.89057	0.94212	0.99617	0.89031	0.94197				
39	2	22.92820	26.68154	0.99579	0.85705	0.92302	0.99579	0.85667	0.92280	20.15342	22.55058	0.99617	0.89152	0.94265	0.99617	0.89125	0.94250				
39	3	22.92820	26.63112	0.99579	0.85857	0.92390	0.99579	0.85817	0.92367	20.15342	22.52338	0.99617	0.89251	0.94320	0.99617	0.89223	0.94305				
39	4	22.92820	26.57806	0.99579	0.86015	0.92482	0.99579	0.85974	0.92458	20.15342	22.49433	0.99617	0.89354	0.94378	0.99617	0.89325	0.94362				
39	5	22.92820	26.52283	0.99579	0.86179	0.92576	0.99579	0.86136	0.92552	20.15342	22.46379	0.99617	0.89462	0.94438	0.99617	0.89432	0.94421				
39	6	22.92820	26.46539	0.99579	0.86349	0.92675	0.99579	0.86304	0.92649	20.15342	22.43176	0.99617	0.89574	0.94500	0.99617	0.89543	0.94483				
39	7	22.92820	26.40551	0.99579	0.86526	0.92776	0.99579	0.86478	0.92749	20.15342	22.39806	0.99617	0.89691	0.94566	0.99617	0.89658	0.94547				
39	8	22.92820	26.34335	0.99579	0.86708	0.92881	0.99579	0.86658	0.92852	20.15342	22.36278	0.99617	0.89814	0.94633	0.99617	0.89779	0.94614				
39	9	22.92820	26.27867	0.99579	0.86898	0.92990	0.99579	0.86845	0.92959	20.15342	22.32575	0.99617	0.89941	0.94704	0.99617	0.89904	0.94684				
39	10	22.92820	26.21121	0.99579	0.87095	0.93102	0.99579	0.87038	0.93070	20.15342	22.28674	0.99617	0.90074	0.94778	0.99617	0.90034	0.94756				
39	11	22.92820	26.14141	0.99579	0.87298	0.93218	0.99579	0.87238	0.93184	20.15342	22.24611	0.99617	0.90211	0.94854	0.99617	0.90170	0.94831				
39	12	22.92820	26.06892	0.99579	0.87508	0.93338	0.99579	0.87445	0.93302	20.15342	22.20360	0.99617	0.90355	0.94933	0.99617	0.90311	0.94909				
39	13	22.92820	25.99388	0.99579	0.87725	0.93461	0.99579	0.87658	0.93423	20.15342	22.15929	0.99617	0.90504	0.95015	0.99617	0.90457	0.94989				
39	14	22.92820	25.91617	0.99579	0.87950	0.93589	0.99579	0.87878	0.93548	20.15342	22.11310	0.99617	0.90658	0.95100	0.99617	0.90609	0.95073				
39	15	22.92820	25.83587	0.99579	0.88181	0.93720	0.99579	0.88106	0.93677	20.15342	22.06509	0.99617	0.90819	0.95188	0.99617	0.90766	0.95160				
39	16	22.92820	25.75319	0.99579	0.88420	0.93854	0.99579	0.88340	0.93809	20.15342	22.01544	0.99617	0.90984	0.95279	0.99617	0.90929	0.95249				
39	17	22.92820	25.66857	0.99579	0.88666	0.93992	0.99579	0.88582	0.93945	20.15342	21.96453	0.99617	0.91156	0.95373	0.99617	0.91098	0.95342				
39	18	22.92820	25.58235	0.99579	0.88918	0.94134	0.99579	0.88830	0.94085	20.15342	21.91267	0.99617	0.91333	0.95470	0.99617	0.91272	0.95437				
39	19	22.92820	25.49361	0.99579	0.89178	0.94279	0.99579	0.89086	0.94228	20.15342	21.85907	0.99617	0.91516	0.95570	0.99617	0.91452	0.95535				
39	20	22.92820	25.40164	0.99579	0.89444	0.94428	0.99579	0.89348	0.94374	20.15342	21.80312	0.99617	0.91704	0.95673	0.99617	0.91638	0.95637				
39	21	22.92820	25.30562	0.99579	0.89718	0.94581	0.99579	0.89617	0.94524	20.15342	21.74411	0.99617	0.91899	0.95778	0.99617	0.91830	0.95741				
39	22	22.92820	25.20517	0.99579	0.89999	0.94737	0.99579	0.89892	0.94677	20.15342	21.68171	0.99617	0.92100	0.95887	0.99617	0.92027	0.95848				
39	23	22.92820	25.09967	0.99579	0.90288	0.94896	0.99579	0.90173	0.94833	20.15342	21.61537	0.99617	0.92306	0.95999	0.99617	0.92229	0.95957				
39	24	22.92820	24.98936	0.99579	0.90582	0.95058	0.99579	0.90460	0.94991	20.15342	21.54528	0.99617	0.92518	0.96114	0.99617	0.92436	0.96069				
39	25	22.92820	24.87419	0.99579	0.90882	0.95223	0.99579	0.90752	0.95152	20.15342	21.47137	0.99617	0.92735	0.96231	0.99617	0.92647	0.96183				
39	26	22.92820	24.75420	0.99579	0.91188	0.95391	0.99579	0.91049	0.95315	20.15342	21.39367	0.99617	0.92957	0.96350	0.99617	0.92863	0.96299				
39	27	22.92820	24.62994	0.99579	0.91498	0.95560	0.99579	0.91350	0.95479	20.15342	21.31262	0.99617	0.93183	0.96471	0.99617	0.93082	0.96417				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
Retiree	Beneficiary	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Age	Age	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor
39	28	22.92820	24.50119	0.99579	0.91811	0.95731	0.99579	0.91653	0.95645	20.15342	21.22804	0.99617	0.93413	0.96594	0.99617	0.93305	0.96537
39	29	22.92820	24.36788	0.99579	0.92127	0.95902	0.99579	0.91960	0.95811	20.15342	21.13984	0.99617	0.93645	0.96718	0.99617	0.93531	0.96657
39	30	22.92820	24.23009	0.99579	0.92446	0.96074	0.99579	0.92267	0.95978	20.15342	21.04806	0.99617	0.93880	0.96843	0.99617	0.93758	0.96779
39	31	22.92820	24.08752	0.99579	0.92764	0.96246	0.99579	0.92576	0.96145	20.15342	20.95246	0.99617	0.94116	0.96969	0.99617	0.93987	0.96900
39	32	22.92820	23.94006	0.99579	0.93083	0.96418	0.99579	0.92883	0.96310	20.15342	20.85289	0.99617	0.94354	0.97095	0.99617	0.94217	0.97022
39	33	22.92820	23.78740	0.99579	0.93401	0.96588	0.99579	0.93190	0.96475	20.15342	20.74907	0.99617	0.94591	0.97220	0.99617	0.94446	0.97144
39	34	22.92820	23.62942	0.99579	0.93716	0.96756	0.99579	0.93494	0.96638	20.15342	20.64088	0.99617	0.94828	0.97345	0.99617	0.94675	0.97265
39	35	22.92820	23.46579	0.99579	0.94028	0.96922	0.99579	0.93795	0.96798	20.15342	20.52800	0.99617	0.95063	0.97469	0.99617	0.94902	0.97384
39	36	22.92820	23.29632	0.99579	0.94336	0.97085	0.99579	0.94091	0.96955	20.15342	20.41023	0.99617	0.95296	0.97591	0.99617	0.95126	0.97502
39	37	22.92820	23.12089	0.99579	0.94638	0.97245	0.99579	0.94381	0.97109	20.15342	20.28745	0.99617	0.95526	0.97712	0.99617	0.95347	0.97618
39	38	22.92820	22.93911	0.99579	0.94933	0.97401	0.99579	0.94665	0.97259	20.15342	20.15926	0.99617	0.95752	0.97830	0.99617	0.95565	0.97732
39	39	22.92820	22.75087	0.99579	0.95220	0.97552	0.99579	0.94941	0.97405	20.15342	20.02555	0.99617	0.95973	0.97945	0.99617	0.95777	0.97843
39	40	22.92820	22.55572	0.99579	0.95500	0.97698	0.99579	0.95210	0.97546	20.15342	19.88587	0.99617	0.96189	0.98057	0.99617	0.95984	0.97951
39	41	22.92820	22.35340	0.99579	0.95770	0.97839	0.99579	0.95469	0.97682	20.15342	19.73995	0.99617	0.96398	0.98166	0.99617	0.96185	0.98056
39	42	22.92820	22.14385	0.99579	0.96030	0.97975	0.99579	0.95719	0.97813	20.15342	19.58769	0.99617	0.96602	0.98271	0.99617	0.96380	0.98157
39	43	22.92820	21.92669	0.99579	0.96280	0.98105	0.99579	0.95959	0.97938	20.15342	19.42870	0.99617	0.96798	0.98373	0.99617	0.96568	0.98254
39	44	22.92820	21.70178	0.99579	0.96519	0.98229	0.99579	0.96189	0.98058	20.15342	19.26280	0.99617	0.96987	0.98470	0.99617	0.96750	0.98348
39	45	22.92820	21.46876	0.99579	0.96747	0.98347	0.99579	0.96409	0.98172	20.15342	19.08963	0.99617	0.97168	0.98564	0.99617	0.96923	0.98438
39	46	22.92820	21.22763	0.99579	0.96964	0.98459	0.99579	0.96618	0.98280	20.15342	18.90911	0.99617	0.97342	0.98653	0.99617	0.97089	0.98523
39	47	22.92820	20.97813	0.99579	0.97170	0.98565	0.99579	0.96817	0.98383	20.15342	18.72094	0.99617	0.97508	0.98738	0.99617	0.97248	0.98605
39	48	22.92820	20.72003	0.99579	0.97365	0.98665	0.99579	0.97005	0.98480	20.15342	18.52488	0.99617	0.97665	0.98819	0.99617	0.97400	0.98683
39	49	22.92820	20.45326	0.99579	0.97549	0.98759	0.99579	0.97183	0.98571	20.15342	18.32076	0.99617	0.97816	0.98896	0.99617	0.97543	0.98756
39	50	22.92820	20.17742	0.99579	0.97722	0.98848	0.99579	0.97351	0.98658	20.15342	18.10816	0.99617	0.97958	0.98969	0.99617	0.97680	0.98826
39	51	22.92820	19.89339	0.99579	0.97885	0.98931	0.99579	0.97510	0.98739	20.15342	17.88781	0.99617	0.98093	0.99037	0.99617	0.97810	0.98893
39	52	22.92820	19.60122	0.99579	0.98038	0.99009	0.99579	0.97659	0.98816	20.15342	17.65967	0.99617	0.98221	0.99102	0.99617	0.97933	0.98956
39	53	22.92820	19.30125	0.99579	0.98182	0.99083	0.99579	0.97800	0.98888	20.15342	17.42398	0.99617	0.98341	0.99164	0.99617	0.98049	0.99015
39	54	22.92820	18.99375	0.99579	0.98316	0.99151	0.99579	0.97933	0.98956	20.15342	17.18091	0.99617	0.98455	0.99221	0.99617	0.98159	0.99071
39	55	22.92820	18.67912	0.99579	0.98442	0.99215	0.99579	0.98058	0.99019	20.15342	16.93076	0.99617	0.98562	0.99276	0.99617	0.98264	0.99124
39	56	22.92820	18.35803	0.99579	0.98560	0.99275	0.99579	0.98175	0.99079	20.15342	16.67407	0.99617	0.98663	0.99327	0.99617	0.98362	0.99174
39	57	22.92820	18.02853	0.99579	0.98670	0.99331	0.99579	0.98286	0.99136	20.15342	16.40902	0.99617	0.98758	0.99375	0.99617	0.98456	0.99222
39	58	22.92820	17.69065	0.99579	0.98773	0.99383	0.99579	0.98390	0.99189	20.15342	16.13552	0.99617	0.98848	0.99421	0.99617	0.98544	0.99267
39	59	22.92820	17.34441	0.99579	0.98870	0.99432	0.99579	0.98488	0.99238	20.15342	15.85354	0.99617	0.98933	0.99463	0.99617	0.98628	0.99309
39	60	22.92820	16.98967	0.99579	0.98960	0.99477	0.99579	0.98581	0.99285	20.15342	15.56284	0.99617	0.99012	0.99504	0.99617	0.98708	0.99350
39	61	22.92820	16.62627	0.99579	0.99044	0.99520	0.99579	0.98669	0.99330	20.15342	15.26320	0.99617	0.99087	0.99541	0.99617	0.98783	0.99388
39	62	22.92820	16.25423	0.99579	0.99122	0.99559	0.99579	0.98751	0.99372	20.15342	14.95454	0.99617	0.99158	0.99577	0.99617	0.98855	0.99424
39	63	22.92820	15.87341	0.99579	0.99196	0.99596	0.99579	0.98829	0.99411	20.15342	14.63664	0.99617	0.99224	0.99610	0.99617	0.98923	0.99459
39	64	22.92820	15.48353	0.99579	0.99264	0.99631	0.99579	0.98903	0.99448	20.15342	14.30913	0.99617	0.99286	0.99642	0.99617	0.98988	0.99491
39	65	22.92820	15.08480	0.99579	0.99328	0.99663	0.99579	0.98972	0.99484	20.15342	13.97213	0.99617	0.99345	0.99671	0.99617	0.99049	0.99522
39	66	22.92820	14.67724	0.99579	0.99388	0.99693	0.99579	0.99038	0.99517	20.15342	13.62552	0.99617	0.99400	0.99699	0.99617	0.99107	0.99552
39	67	22.92820	14.26104	0.99579	0.99444	0.99721	0.99579	0.99100	0.99548	20.15342	13.26940	0.99617	0.99452	0.99725	0.99617	0.99163	0.99580
39	68	22.92820	13.83657	0.99579	0.99495	0.99747	0.99579	0.99159	0.99578	20.15342	12.90401	0.99617	0.99500	0.99749	0.99617	0.99215	0.99606

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
39	69	22.92820	13.40435	0.99579	0.99543	0.99771	0.99579	0.99215	0.99606	20.15342	12.52973	0.99617	0.99545	0.99772	0.99617	0.99265	0.99631
39	70	22.92820	12.96501	0.99579	0.99587	0.99793	0.99579	0.99267	0.99632	20.15342	12.14706	0.99617	0.99587	0.99793	0.99617	0.99312	0.99655
39	71	22.92820	12.51927	0.99579	0.99628	0.99814	0.99579	0.99317	0.99657	20.15342	11.75658	0.99617	0.99626	0.99813	0.99617	0.99357	0.99678
39	72	22.92820	12.06792	0.99579	0.99666	0.99833	0.99579	0.99364	0.99681	20.15342	11.35893	0.99617	0.99663	0.99831	0.99617	0.99399	0.99699
39	73	22.92820	11.61185	0.99579	0.99701	0.99850	0.99579	0.99407	0.99703	20.15342	10.95491	0.99617	0.99696	0.99848	0.99617	0.99439	0.99719
39	74	22.92820	11.15217	0.99579	0.99733	0.99866	0.99579	0.99449	0.99724	20.15342	10.54549	0.99617	0.99727	0.99863	0.99617	0.99477	0.99738
39	75	22.92820	10.68986	0.99579	0.99761	0.99881	0.99579	0.99487	0.99743	20.15342	10.13154	0.99617	0.99755	0.99878	0.99617	0.99512	0.99756
39	76	22.92820	10.22626	0.99579	0.99788	0.99894	0.99579	0.99523	0.99761	20.15342	9.71428	0.99617	0.99781	0.99891	0.99617	0.99546	0.99772
39	77	22.92820	9.76277	0.99579	0.99812	0.99906	0.99579	0.99557	0.99778	20.15342	9.29502	0.99617	0.99805	0.99903	0.99617	0.99577	0.99788
39	78	22.92820	9.30064	0.99579	0.99833	0.99917	0.99579	0.99589	0.99794	20.15342	8.87492	0.99617	0.99827	0.99913	0.99617	0.99606	0.99803
39	79	22.92820	8.84103	0.99579	0.99853	0.99926	0.99579	0.99618	0.99809	20.15342	8.45509	0.99617	0.99846	0.99923	0.99617	0.99633	0.99816
39	80	22.92820	8.38551	0.99579	0.99871	0.99935	0.99579	0.99645	0.99822	20.15342	8.03703	0.99617	0.99864	0.99932	0.99617	0.99659	0.99829
39	81	22.92820	7.93532	0.99579	0.99886	0.99943	0.99579	0.99671	0.99835	20.15342	7.62196	0.99617	0.99880	0.99940	0.99617	0.99683	0.99841
39	82	22.92820	7.49211	0.99579	0.99900	0.99950	0.99579	0.99695	0.99847	20.15342	7.21152	0.99617	0.99895	0.99947	0.99617	0.99705	0.99852
39	83	22.92820	7.05756	0.99579	0.99913	0.99956	0.99579	0.99716	0.99858	20.15342	6.80735	0.99617	0.99907	0.99954	0.99617	0.99726	0.99863
39	84	22.92820	6.63342	0.99579	0.99924	0.99962	0.99579	0.99737	0.99868	20.15342	6.41122	0.99617	0.99919	0.99959	0.99617	0.99745	0.99872
39	85	22.92820	6.22156	0.99579	0.99934	0.99967	0.99579	0.99756	0.99878	20.15342	6.02503	0.99617	0.99929	0.99965	0.99617	0.99763	0.99881
39	86	22.92820	5.82374	0.99579	0.99942	0.99971	0.99579	0.99773	0.99886	20.15342	5.65055	0.99617	0.99938	0.99969	0.99617	0.99779	0.99889
39	87	22.92820	5.44155	0.99579	0.99950	0.99975	0.99579	0.99789	0.99894	20.15342	5.28949	0.99617	0.99946	0.99973	0.99617	0.99795	0.99897
39	88	22.92820	5.07613	0.99579	0.99957	0.99978	0.99579	0.99804	0.99902	20.15342	4.94306	0.99617	0.99953	0.99977	0.99617	0.99809	0.99904
39	89	22.92820	4.72862	0.99579	0.99962	0.99981	0.99579	0.99818	0.99909	20.15342	4.61250	0.99617	0.99959	0.99980	0.99617	0.99822	0.99911
39	90	22.92820	4.40007	0.99579	0.99968	0.99984	0.99579	0.99831	0.99915	20.15342	4.29901	0.99617	0.99965	0.99982	0.99617	0.99834	0.99917
39	91	22.92820	4.09149	0.99579	0.99972	0.99986	0.99579	0.99843	0.99921	20.15342	4.00370	0.99617	0.99969	0.99985	0.99617	0.99846	0.99923
39	92	22.92820	3.80354	0.99579	0.99976	0.99988	0.99579	0.99854	0.99927	20.15342	3.72738	0.99617	0.99973	0.99987	0.99617	0.99856	0.99928
39	93	22.92820	3.53621	0.99579	0.99979	0.99989	0.99579	0.99864	0.99932	20.15342	3.47020	0.99617	0.99977	0.99988	0.99617	0.99866	0.99933
39	94	22.92820	3.28870	0.99579	0.99982	0.99991	0.99579	0.99873	0.99936	20.15342	3.23152	0.99617	0.99980	0.99990	0.99617	0.99875	0.99938
39	95	22.92820	3.05955	0.99579	0.99984	0.99992	0.99579	0.99882	0.99941	20.15342	3.01004	0.99617	0.99983	0.99991	0.99617	0.99884	0.99942
39	96	22.92820	2.84646	0.99579	0.99986	0.99993	0.99579	0.99890	0.99945	20.15342	2.80360	0.99617	0.99985	0.99992	0.99617	0.99891	0.99946
39	97	22.92820	2.65226	0.99579	0.99988	0.99994	0.99579	0.99897	0.99948	20.15342	2.61510	0.99617	0.99987	0.99993	0.99617	0.99899	0.99949
39	98	22.92820	2.47567	0.99579	0.99990	0.99995	0.99579	0.99904	0.99952	20.15342	2.44340	0.99617	0.99988	0.99994	0.99617	0.99905	0.99953
39	99	22.92820	2.31535	0.99579	0.99991	0.99995	0.99579	0.99910	0.99955	20.15342	2.28724	0.99617	0.99990	0.99995	0.99617	0.99911	0.99956
39	100	22.92820	2.16976	0.99579	0.99992	0.99996	0.99579	0.99916	0.99958	20.15342	2.14523	0.99617	0.99991	0.99996	0.99617	0.99917	0.99958
39	101	22.92820	2.03734	0.99579	0.99993	0.99996	0.99579	0.99921	0.99960	20.15342	2.01587	0.99617	0.99992	0.99996	0.99617	0.99922	0.99961
39	102	22.92820	1.91714	0.99579	0.99994	0.99997	0.99579	0.99926	0.99963	20.15342	1.89830	0.99617	0.99993	0.99997	0.99617	0.99926	0.99963
39	103	22.92820	1.80800	0.99579	0.99994	0.99997	0.99579	0.99930	0.99965	20.15342	1.79140	0.99617	0.99994	0.99997	0.99617	0.99931	0.99965
39	104	22.92820	1.70943	0.99579	0.99995	0.99998	0.99579	0.99934	0.99967	20.15342	1.69474	0.99617	0.99995	0.99997	0.99617	0.99935	0.99967
39	105	22.92820	1.62048	0.99579	0.99996	0.99998	0.99579	0.99938	0.99969	20.15342	1.60741	0.99617	0.99995	0.99998	0.99617	0.99938	0.99969
39	106	22.92820	1.54080	0.99579	0.99996	0.99998	0.99579	0.99941	0.99970	20.15342	1.52911	0.99617	0.99996	0.99998	0.99617	0.99941	0.99971
39	107	22.92820	1.47009	0.99579	0.99996	0.99998	0.99579	0.99944	0.99972	20.15342	1.45954	0.99617	0.99996	0.99998	0.99617	0.99944	0.99972
39	108	22.92820	1.40861	0.99579	0.99997	0.99998	0.99579	0.99946	0.99973	20.15342	1.39898	0.99617	0.99996	0.99998	0.99617	0.99946	0.99973
39	109	22.92820	1.35764	0.99579	0.99997	0.99998	0.99579	0.99948	0.99974	20.15342	1.34871	0.99617	0.99997	0.99998	0.99617	0.99948	0.99974

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Retiree	Beneficiary	Retiree Annuity	Beneficiary Annuity Value	Option 1 Factor	Option 2 Factor	Option 3 Factor	Option 4 Factor	Option 5 Factor	Option 6 Factor	Retiree Annuity	Beneficiary Annuity Value	Option 1 Factor	Option 2 Factor	Option 3 Factor	Option 4 Factor	Option 5 Factor	Option 6 Factor
39	110	22.92820	1.32125	0.99579	0.99997	0.99999	0.99579	0.99949	0.99974	20.15342	1.31279	0.99617	0.99997	0.99998	0.99617	0.99949	0.99975
40	1	22.73866	26.72925	0.99544	0.84859	0.91810	0.99544	0.84822	0.91788	20.01859	22.57586	0.99586	0.88468	0.93881	0.99586	0.88442	0.93866
40	2	22.73866	26.68154	0.99544	0.85005	0.91895	0.99544	0.84966	0.91872	20.01859	22.55058	0.99586	0.88562	0.93934	0.99586	0.88535	0.93919
40	3	22.73866	26.63112	0.99544	0.85156	0.91983	0.99544	0.85117	0.91960	20.01859	22.52338	0.99586	0.88661	0.93990	0.99586	0.88633	0.93974
40	4	22.73866	26.57806	0.99544	0.85314	0.92075	0.99544	0.85273	0.92051	20.01859	22.49433	0.99586	0.88764	0.94048	0.99586	0.88735	0.94032
40	5	22.73866	26.52283	0.99544	0.85478	0.92170	0.99544	0.85434	0.92145	20.01859	22.46379	0.99586	0.88872	0.94108	0.99586	0.88842	0.94091
40	6	22.73866	26.46539	0.99544	0.85647	0.92269	0.99544	0.85602	0.92242	20.01859	22.43176	0.99586	0.88985	0.94171	0.99586	0.88953	0.94153
40	7	22.73866	26.40551	0.99544	0.85823	0.92371	0.99544	0.85776	0.92343	20.01859	22.39806	0.99586	0.89102	0.94237	0.99586	0.89069	0.94218
40	8	22.73866	26.34335	0.99544	0.86006	0.92477	0.99544	0.85956	0.92447	20.01859	22.36278	0.99586	0.89224	0.94305	0.99586	0.89189	0.94286
40	9	22.73866	26.27867	0.99544	0.86196	0.92586	0.99544	0.86142	0.92555	20.01859	22.32575	0.99586	0.89352	0.94377	0.99586	0.89315	0.94356
40	10	22.73866	26.21121	0.99544	0.86392	0.92699	0.99544	0.86335	0.92667	20.01859	22.28674	0.99586	0.89485	0.94451	0.99586	0.89445	0.94429
40	11	22.73866	26.14141	0.99544	0.86595	0.92816	0.99544	0.86535	0.92782	20.01859	22.24611	0.99586	0.89623	0.94528	0.99586	0.89581	0.94504
40	12	22.73866	26.06892	0.99544	0.86806	0.92937	0.99544	0.86742	0.92900	20.01859	22.20360	0.99586	0.89767	0.94608	0.99586	0.89723	0.94583
40	13	22.73866	25.99388	0.99544	0.87023	0.93061	0.99544	0.86956	0.93023	20.01859	22.15929	0.99586	0.89917	0.94691	0.99586	0.89870	0.94664
40	14	22.73866	25.91617	0.99544	0.87248	0.93190	0.99544	0.87177	0.93149	20.01859	22.11310	0.99586	0.90072	0.94777	0.99586	0.90022	0.94749
40	15	22.73866	25.83587	0.99544	0.87481	0.93322	0.99544	0.87405	0.93279	20.01859	22.06509	0.99586	0.90234	0.94866	0.99586	0.90180	0.94837
40	16	22.73866	25.75319	0.99544	0.87720	0.93459	0.99544	0.87640	0.93413	20.01859	22.01544	0.99586	0.90401	0.94958	0.99586	0.90345	0.94927
40	17	22.73866	25.66857	0.99544	0.87967	0.93599	0.99544	0.87883	0.93551	20.01859	21.96453	0.99586	0.90574	0.95054	0.99586	0.90515	0.95021
40	18	22.73866	25.58235	0.99544	0.88221	0.93742	0.99544	0.88133	0.93692	20.01859	21.91267	0.99586	0.90752	0.95152	0.99586	0.90691	0.95118
40	19	22.73866	25.49361	0.99544	0.88483	0.93890	0.99544	0.88390	0.93838	20.01859	21.85907	0.99586	0.90937	0.95253	0.99586	0.90873	0.95218
40	20	22.73866	25.40164	0.99544	0.88752	0.94041	0.99544	0.88655	0.93986	20.01859	21.80312	0.99586	0.91128	0.95358	0.99586	0.91061	0.95321
40	21	22.73866	25.30562	0.99544	0.89029	0.94196	0.99544	0.88927	0.94139	20.01859	21.74411	0.99586	0.91325	0.95466	0.99586	0.91255	0.95428
40	22	22.73866	25.20517	0.99544	0.89314	0.94355	0.99544	0.89206	0.94295	20.01859	21.68171	0.99586	0.91529	0.95577	0.99586	0.91455	0.95537
40	23	22.73866	25.09967	0.99544	0.89606	0.94518	0.99544	0.89491	0.94454	20.01859	21.61537	0.99586	0.91739	0.95692	0.99586	0.91661	0.95649
40	24	22.73866	24.98936	0.99544	0.89905	0.94684	0.99544	0.89783	0.94617	20.01859	21.54528	0.99586	0.91956	0.95809	0.99586	0.91872	0.95764
40	25	22.73866	24.87419	0.99544	0.90211	0.94854	0.99544	0.90081	0.94782	20.01859	21.47137	0.99586	0.92178	0.95930	0.99586	0.92088	0.95881
40	26	22.73866	24.75420	0.99544	0.90523	0.95026	0.99544	0.90384	0.94949	20.01859	21.39367	0.99586	0.92405	0.96053	0.99586	0.92309	0.96001
40	27	22.73866	24.62994	0.99544	0.90841	0.95201	0.99544	0.90692	0.95119	20.01859	21.31262	0.99586	0.92637	0.96178	0.99586	0.92535	0.96123
40	28	22.73866	24.50119	0.99544	0.91163	0.95377	0.99544	0.91003	0.95290	20.01859	21.22804	0.99586	0.92874	0.96305	0.99586	0.92764	0.96246
40	29	22.73866	24.36788	0.99544	0.91489	0.95555	0.99544	0.91319	0.95462	20.01859	21.13984	0.99586	0.93114	0.96434	0.99586	0.92997	0.96371
40	30	22.73866	24.23009	0.99544	0.91817	0.95734	0.99544	0.91637	0.95636	20.01859	21.04806	0.99586	0.93357	0.96565	0.99586	0.93233	0.96498
40	31	22.73866	24.08752	0.99544	0.92148	0.95914	0.99544	0.91956	0.95810	20.01859	20.95246	0.99586	0.93603	0.96696	0.99586	0.93471	0.96625
40	32	22.73866	23.94006	0.99544	0.92480	0.96093	0.99544	0.92276	0.95983	20.01859	20.85289	0.99586	0.93851	0.96828	0.99586	0.93710	0.96753
40	33	22.73866	23.78740	0.99544	0.92812	0.96272	0.99544	0.92596	0.96156	20.01859	20.74907	0.99586	0.94100	0.96960	0.99586	0.93950	0.96881
40	34	22.73866	23.62942	0.99544	0.93142	0.96449	0.99544	0.92915	0.96327	20.01859	20.64088	0.99586	0.94349	0.97092	0.99586	0.94191	0.97008
40	35	22.73866	23.46579	0.99544	0.93471	0.96625	0.99544	0.93231	0.96497	20.01859	20.52800	0.99586	0.94597	0.97223	0.99586	0.94430	0.97135
40	36	22.73866	23.29632	0.99544	0.93795	0.96798	0.99544	0.93543	0.96664	20.01859	20.41023	0.99586	0.94843	0.97354	0.99586	0.94667	0.97261
40	37	22.73866	23.12089	0.99544	0.94116	0.96969	0.99544	0.93851	0.96828	20.01859	20.28745	0.99586	0.95088	0.97482	0.99586	0.94902	0.97385
40	38	22.73866	22.93911	0.99544	0.94430	0.97135	0.99544	0.94153	0.96989	20.01859	20.15926	0.99586	0.95329	0.97609	0.99586	0.95134	0.97506
40	39	22.73866	22.75087	0.99544	0.94738	0.97298	0.99544	0.94449	0.97145	20.01859	20.02555	0.99586	0.95566	0.97733	0.99586	0.95362	0.97626
40	40	22.73866	22.55572	0.99544	0.95038	0.97456	0.99544	0.94736	0.97297	20.01859	19.88587	0.99586	0.95798	0.97854	0.99586	0.95584	0.97742

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
40	41	22.73866	22.35340	0.99544	0.95329	0.97609	0.99544	0.95016	0.97444	20.01859	19.73995	0.99586	0.96024	0.97972	0.99586	0.95801	0.97856
40	42	22.73866	22.14385	0.99544	0.95611	0.97756	0.99544	0.95286	0.97586	20.01859	19.58769	0.99586	0.96245	0.98086	0.99586	0.96012	0.97966
40	43	22.73866	21.92669	0.99544	0.95882	0.97898	0.99544	0.95546	0.97722	20.01859	19.42870	0.99586	0.96458	0.98197	0.99586	0.96217	0.98072
40	44	22.73866	21.70178	0.99544	0.96143	0.98034	0.99544	0.95797	0.97853	20.01859	19.26280	0.99586	0.96664	0.98304	0.99586	0.96414	0.98174
40	45	22.73866	21.46876	0.99544	0.96393	0.98163	0.99544	0.96036	0.97978	20.01859	19.08963	0.99586	0.96863	0.98406	0.99586	0.96604	0.98272
40	46	22.73866	21.22763	0.99544	0.96631	0.98286	0.99544	0.96265	0.98097	20.01859	18.90911	0.99586	0.97053	0.98505	0.99586	0.96786	0.98367
40	47	22.73866	20.97813	0.99544	0.96857	0.98403	0.99544	0.96483	0.98210	20.01859	18.72094	0.99586	0.97236	0.98598	0.99586	0.96960	0.98457
40	48	22.73866	20.72003	0.99544	0.97072	0.98514	0.99544	0.96690	0.98317	20.01859	18.52488	0.99586	0.97410	0.98688	0.99586	0.97127	0.98542
40	49	22.73866	20.45326	0.99544	0.97275	0.98619	0.99544	0.96886	0.98418	20.01859	18.32076	0.99586	0.97576	0.98773	0.99586	0.97285	0.98624
40	50	22.73866	20.17742	0.99544	0.97467	0.98718	0.99544	0.97072	0.98514	20.01859	18.10816	0.99586	0.97733	0.98854	0.99586	0.97436	0.98701
40	51	22.73866	19.89339	0.99544	0.97648	0.98810	0.99544	0.97247	0.98604	20.01859	17.88781	0.99586	0.97883	0.98930	0.99586	0.97580	0.98775
40	52	22.73866	19.60122	0.99544	0.97819	0.98897	0.99544	0.97413	0.98689	20.01859	17.65967	0.99586	0.98025	0.99002	0.99586	0.97716	0.98845
40	53	22.73866	19.30125	0.99544	0.97978	0.98979	0.99544	0.97569	0.98770	20.01859	17.42398	0.99586	0.98159	0.99071	0.99586	0.97845	0.98911
40	54	22.73866	18.99375	0.99544	0.98128	0.99055	0.99544	0.97716	0.98845	20.01859	17.18091	0.99586	0.98285	0.99135	0.99586	0.97967	0.98973
40	55	22.73866	18.67912	0.99544	0.98268	0.99126	0.99544	0.97854	0.98916	20.01859	16.93076	0.99586	0.98404	0.99196	0.99586	0.98083	0.99032
40	56	22.73866	18.35803	0.99544	0.98399	0.99193	0.99544	0.97985	0.98982	20.01859	16.67407	0.99586	0.98516	0.99253	0.99586	0.98192	0.99088
40	57	22.73866	18.02853	0.99544	0.98522	0.99255	0.99544	0.98108	0.99045	20.01859	16.40902	0.99586	0.98622	0.99306	0.99586	0.98296	0.99141
40	58	22.73866	17.69065	0.99544	0.98636	0.99314	0.99544	0.98223	0.99104	20.01859	16.13552	0.99586	0.98722	0.99357	0.99586	0.98394	0.99190
40	59	22.73866	17.34441	0.99544	0.98744	0.99368	0.99544	0.98332	0.99159	20.01859	15.85354	0.99586	0.98816	0.99404	0.99586	0.98487	0.99238
40	60	22.73866	16.98967	0.99544	0.98844	0.99419	0.99544	0.98435	0.99211	20.01859	15.56284	0.99586	0.98904	0.99449	0.99586	0.98575	0.99282
40	61	22.73866	16.62627	0.99544	0.98938	0.99466	0.99544	0.98532	0.99260	20.01859	15.26320	0.99586	0.98988	0.99491	0.99586	0.98659	0.99325
40	62	22.73866	16.25423	0.99544	0.99025	0.99510	0.99544	0.98623	0.99307	20.01859	14.95454	0.99586	0.99066	0.99531	0.99586	0.98738	0.99365
40	63	22.73866	15.87341	0.99544	0.99107	0.99551	0.99544	0.98709	0.99350	20.01859	14.63664	0.99586	0.99140	0.99568	0.99586	0.98813	0.99403
40	64	22.73866	15.48353	0.99544	0.99183	0.99590	0.99544	0.98791	0.99392	20.01859	14.30913	0.99586	0.99209	0.99603	0.99586	0.98885	0.99439
40	65	22.73866	15.08480	0.99544	0.99254	0.99626	0.99544	0.98868	0.99431	20.01859	13.97213	0.99586	0.99274	0.99636	0.99586	0.98953	0.99474
40	66	22.73866	14.67724	0.99544	0.99321	0.99659	0.99544	0.98941	0.99467	20.01859	13.62552	0.99586	0.99336	0.99667	0.99586	0.99017	0.99506
40	67	22.73866	14.26104	0.99544	0.99383	0.99690	0.99544	0.99009	0.99502	20.01859	13.26940	0.99586	0.99393	0.99696	0.99586	0.99078	0.99537
40	68	22.73866	13.83657	0.99544	0.99440	0.99719	0.99544	0.99075	0.99535	20.01859	12.90401	0.99586	0.99447	0.99722	0.99586	0.99137	0.99566
40	69	22.73866	13.40435	0.99544	0.99493	0.99746	0.99544	0.99136	0.99566	20.01859	12.52973	0.99586	0.99497	0.99748	0.99586	0.99192	0.99594
40	70	22.73866	12.96501	0.99544	0.99543	0.99771	0.99544	0.99194	0.99595	20.01859	12.14706	0.99586	0.99543	0.99771	0.99586	0.99244	0.99621
40	71	22.73866	12.51927	0.99544	0.99588	0.99794	0.99544	0.99249	0.99623	20.01859	11.75658	0.99586	0.99587	0.99793	0.99586	0.99294	0.99646
40	72	22.73866	12.06792	0.99544	0.99630	0.99815	0.99544	0.99301	0.99649	20.01859	11.35893	0.99586	0.99627	0.99813	0.99586	0.99341	0.99669
40	73	22.73866	11.61185	0.99544	0.99669	0.99834	0.99544	0.99350	0.99674	20.01859	10.95491	0.99586	0.99665	0.99832	0.99586	0.99385	0.99692
40	74	22.73866	11.15217	0.99544	0.99704	0.99852	0.99544	0.99395	0.99697	20.01859	10.54549	0.99586	0.99699	0.99849	0.99586	0.99427	0.99713
40	75	22.73866	10.68986	0.99544	0.99737	0.99868	0.99544	0.99438	0.99718	20.01859	10.13154	0.99586	0.99731	0.99865	0.99586	0.99466	0.99733
40	76	22.73866	10.22626	0.99544	0.99766	0.99883	0.99544	0.99479	0.99739	20.01859	9.71428	0.99586	0.99760	0.99880	0.99586	0.99504	0.99751
40	77	22.73866	9.76277	0.99544	0.99793	0.99896	0.99544	0.99516	0.99758	20.01859	9.29502	0.99586	0.99786	0.99893	0.99586	0.99538	0.99769
40	78	22.73866	9.30064	0.99544	0.99817	0.99908	0.99544	0.99552	0.99775	20.01859	8.87492	0.99586	0.99810	0.99905	0.99586	0.99571	0.99785
40	79	22.73866	8.84103	0.99544	0.99839	0.99919	0.99544	0.99585	0.99792	20.01859	8.45509	0.99586	0.99832	0.99916	0.99586	0.99602	0.99800
40	80	22.73866	8.38551	0.99544	0.99858	0.99929	0.99544	0.99615	0.99807	20.01859	8.03703	0.99586	0.99852	0.99926	0.99586	0.99630	0.99815
40	81	22.73866	7.93532	0.99544	0.99876	0.99938	0.99544	0.99643	0.99821	20.01859	7.62196	0.99586	0.99869	0.99935	0.99586	0.99657	0.99828

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
40	82	22.73866	7.49211	0.99544	0.99891	0.99946	0.99544	0.99670	0.99835	20.01859	7.21152	0.99586	0.99885	0.99943	0.99586	0.99681	0.99840
40	83	22.73866	7.05756	0.99544	0.99905	0.99953	0.99544	0.99694	0.99847	20.01859	6.80735	0.99586	0.99900	0.99950	0.99586	0.99704	0.99852
40	84	22.73866	6.63342	0.99544	0.99917	0.99959	0.99544	0.99717	0.99858	20.01859	6.41122	0.99586	0.99912	0.99956	0.99586	0.99726	0.99863
40	85	22.73866	6.22156	0.99544	0.99928	0.99964	0.99544	0.99738	0.99869	20.01859	6.02503	0.99586	0.99923	0.99962	0.99586	0.99745	0.99873
40	86	22.73866	5.82374	0.99544	0.99938	0.99969	0.99544	0.99757	0.99878	20.01859	5.65055	0.99586	0.99933	0.99967	0.99586	0.99764	0.99882
40	87	22.73866	5.44155	0.99544	0.99946	0.99973	0.99544	0.99775	0.99887	20.01859	5.28949	0.99586	0.99942	0.99971	0.99586	0.99781	0.99890
40	88	22.73866	5.07613	0.99544	0.99953	0.99977	0.99544	0.99791	0.99895	20.01859	4.94306	0.99586	0.99950	0.99975	0.99586	0.99796	0.99898
40	89	22.73866	4.72862	0.99544	0.99960	0.99980	0.99544	0.99806	0.99903	20.01859	4.61250	0.99586	0.99956	0.99978	0.99586	0.99811	0.99905
40	90	22.73866	4.40007	0.99544	0.99965	0.99983	0.99544	0.99820	0.99910	20.01859	4.29901	0.99586	0.99962	0.99981	0.99586	0.99824	0.99912
40	91	22.73866	4.09149	0.99544	0.99970	0.99985	0.99544	0.99833	0.99916	20.01859	4.00370	0.99586	0.99967	0.99984	0.99586	0.99837	0.99918
40	92	22.73866	3.80354	0.99544	0.99974	0.99987	0.99544	0.99845	0.99922	20.01859	3.72738	0.99586	0.99972	0.99986	0.99586	0.99848	0.99924
40	93	22.73866	3.53621	0.99544	0.99978	0.99989	0.99544	0.99856	0.99928	20.01859	3.47020	0.99586	0.99975	0.99988	0.99586	0.99859	0.99929
40	94	22.73866	3.28870	0.99544	0.99981	0.99990	0.99544	0.99866	0.99933	20.01859	3.23152	0.99586	0.99979	0.99989	0.99586	0.99868	0.99934
40	95	22.73866	3.05955	0.99544	0.99983	0.99992	0.99544	0.99875	0.99938	20.01859	3.01004	0.99586	0.99982	0.99991	0.99586	0.99877	0.99939
40	96	22.73866	2.84646	0.99544	0.99985	0.99993	0.99544	0.99884	0.99942	20.01859	2.80360	0.99586	0.99984	0.99992	0.99586	0.99886	0.99943
40	97	22.73866	2.65226	0.99544	0.99987	0.99994	0.99544	0.99891	0.99946	20.01859	2.61510	0.99586	0.99986	0.99993	0.99586	0.99893	0.99947
40	98	22.73866	2.47567	0.99544	0.99989	0.99994	0.99544	0.99899	0.99949	20.01859	2.44340	0.99586	0.99988	0.99994	0.99586	0.99900	0.99950
40	99	22.73866	2.31535	0.99544	0.99990	0.99995	0.99544	0.99905	0.99953	20.01859	2.28724	0.99586	0.99989	0.99995	0.99586	0.99907	0.99953
40	100	22.73866	2.16976	0.99544	0.99992	0.99996	0.99544	0.99911	0.99956	20.01859	2.14523	0.99586	0.99991	0.99995	0.99586	0.99912	0.99956
40	101	22.73866	2.03734	0.99544	0.99993	0.99996	0.99544	0.99917	0.99958	20.01859	2.01587	0.99586	0.99992	0.99996	0.99586	0.99918	0.99959
40	102	22.73866	1.91714	0.99544	0.99993	0.99997	0.99544	0.99922	0.99961	20.01859	1.89830	0.99586	0.99993	0.99996	0.99586	0.99923	0.99961
40	103	22.73866	1.80800	0.99544	0.99994	0.99997	0.99544	0.99927	0.99963	20.01859	1.79140	0.99586	0.99994	0.99997	0.99586	0.99927	0.99964
40	104	22.73866	1.70943	0.99544	0.99995	0.99997	0.99544	0.99931	0.99965	20.01859	1.69474	0.99586	0.99994	0.99997	0.99586	0.99932	0.99966
40	105	22.73866	1.62048	0.99544	0.99995	0.99998	0.99544	0.99935	0.99967	20.01859	1.60741	0.99586	0.99995	0.99997	0.99586	0.99935	0.99968
40	106	22.73866	1.54080	0.99544	0.99996	0.99998	0.99544	0.99938	0.99969	20.01859	1.52911	0.99586	0.99995	0.99998	0.99586	0.99939	0.99969
40	107	22.73866	1.47009	0.99544	0.99996	0.99998	0.99544	0.99941	0.99970	20.01859	1.45954	0.99586	0.99996	0.99998	0.99586	0.99941	0.99971
40	108	22.73866	1.40861	0.99544	0.99996	0.99998	0.99544	0.99943	0.99972	20.01859	1.39898	0.99586	0.99996	0.99998	0.99586	0.99944	0.99972
40	109	22.73866	1.35764	0.99544	0.99997	0.99998	0.99544	0.99945	0.99973	20.01859	1.34871	0.99586	0.99996	0.99998	0.99586	0.99946	0.99973
40	110	22.73866	1.32125	0.99544	0.99997	0.99998	0.99544	0.99947	0.99973	20.01859	1.31279	0.99586	0.99997	0.99998	0.99586	0.99947	0.99974
41	1	22.54219	26.72925	0.99504	0.84134	0.91383	0.99504	0.84096	0.91361	19.87777	22.57586	0.99549	0.87852	0.93533	0.99549	0.87825	0.93518
41	2	22.54219	26.68154	0.99504	0.84279	0.91469	0.99504	0.84240	0.91446	19.87777	22.55058	0.99549	0.87946	0.93587	0.99549	0.87919	0.93571
41	3	22.54219	26.63112	0.99504	0.84429	0.91557	0.99504	0.84389	0.91534	19.87777	22.52338	0.99549	0.88045	0.93642	0.99549	0.88016	0.93626
41	4	22.54219	26.57806	0.99504	0.84586	0.91650	0.99504	0.84545	0.91625	19.87777	22.49433	0.99549	0.88148	0.93701	0.99549	0.88118	0.93684
41	5	22.54219	26.52283	0.99504	0.84749	0.91745	0.99504	0.84706	0.91720	19.87777	22.46379	0.99549	0.88256	0.93762	0.99549	0.88225	0.93744
41	6	22.54219	26.46539	0.99504	0.84919	0.91844	0.99504	0.84873	0.91818	19.87777	22.43176	0.99549	0.88368	0.93825	0.99549	0.88336	0.93807
41	7	22.54219	26.40551	0.99504	0.85094	0.91947	0.99504	0.85046	0.91919	19.87777	22.39806	0.99549	0.88486	0.93891	0.99549	0.88451	0.93872
41	8	22.54219	26.34335	0.99504	0.85277	0.92053	0.99504	0.85226	0.92024	19.87777	22.36278	0.99549	0.88608	0.93960	0.99549	0.88572	0.93940
41	9	22.54219	26.27867	0.99504	0.85466	0.92163	0.99504	0.85412	0.92132	19.87777	22.32575	0.99549	0.88736	0.94032	0.99549	0.88698	0.94010
41	10	22.54219	26.21121	0.99504	0.85662	0.92277	0.99504	0.85605	0.92244	19.87777	22.28674	0.99549	0.88869	0.94106	0.99549	0.88829	0.94084
41	11	22.54219	26.14141	0.99504	0.85865	0.92395	0.99504	0.85805	0.92360	19.87777	22.24611	0.99549	0.89008	0.94184	0.99549	0.88965	0.94160
41	12	22.54219	26.06892	0.99504	0.86075	0.92517	0.99504	0.86011	0.92480	19.87777	22.20360	0.99549	0.89152	0.94265	0.99549	0.89107	0.94239

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>	<u>Retiree Annuity Value</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>
41	13	22.54219	25.99388	0.99504	0.86293	0.92642	0.99504	0.86225	0.92603	19.87777	22.15929	0.99549	0.89302	0.94349	0.99549	0.89254	0.94322
41	14	22.54219	25.91617	0.99504	0.86518	0.92772	0.99504	0.86446	0.92731	19.87777	22.11310	0.99549	0.89458	0.94436	0.99549	0.89407	0.94407
41	15	22.54219	25.83587	0.99504	0.86751	0.92906	0.99504	0.86675	0.92862	19.87777	22.06509	0.99549	0.89620	0.94526	0.99549	0.89566	0.94496
41	16	22.54219	25.75319	0.99504	0.86992	0.93043	0.99504	0.86911	0.92997	19.87777	22.01544	0.99549	0.89788	0.94619	0.99549	0.89731	0.94588
41	17	22.54219	25.66857	0.99504	0.87240	0.93185	0.99504	0.87155	0.93137	19.87777	21.96453	0.99549	0.89963	0.94716	0.99549	0.89903	0.94683
41	18	22.54219	25.58235	0.99504	0.87495	0.93330	0.99504	0.87406	0.93280	19.87777	21.91267	0.99549	0.90143	0.94816	0.99549	0.90080	0.94781
41	19	22.54219	25.49361	0.99504	0.87758	0.93480	0.99504	0.87665	0.93427	19.87777	21.85907	0.99549	0.90329	0.94919	0.99549	0.90264	0.94883
41	20	22.54219	25.40164	0.99504	0.88029	0.93634	0.99504	0.87932	0.93579	19.87777	21.80312	0.99549	0.90522	0.95025	0.99549	0.90454	0.94988
41	21	22.54219	25.30562	0.99504	0.88309	0.93791	0.99504	0.88206	0.93734	19.87777	21.74411	0.99549	0.90722	0.95135	0.99549	0.90651	0.95096
41	22	22.54219	25.20517	0.99504	0.88596	0.93953	0.99504	0.88488	0.93893	19.87777	21.68171	0.99549	0.90928	0.95249	0.99549	0.90853	0.95208
41	23	22.54219	25.09967	0.99504	0.88892	0.94119	0.99504	0.88777	0.94055	19.87777	21.61537	0.99549	0.91142	0.95366	0.99549	0.91062	0.95322
41	24	22.54219	24.98936	0.99504	0.89196	0.94289	0.99504	0.89073	0.94221	19.87777	21.54528	0.99549	0.91362	0.95486	0.99549	0.91277	0.95440
41	25	22.54219	24.87419	0.99504	0.89507	0.94463	0.99504	0.89376	0.94390	19.87777	21.47137	0.99549	0.91588	0.95610	0.99549	0.91498	0.95560
41	26	22.54219	24.75420	0.99504	0.89825	0.94640	0.99504	0.89684	0.94562	19.87777	21.39367	0.99549	0.91821	0.95736	0.99549	0.91723	0.95683
41	27	22.54219	24.62994	0.99504	0.90149	0.94819	0.99504	0.89999	0.94736	19.87777	21.31262	0.99549	0.92059	0.95865	0.99549	0.91954	0.95809
41	28	22.54219	24.50119	0.99504	0.90478	0.95001	0.99504	0.90318	0.94913	19.87777	21.22804	0.99549	0.92302	0.95997	0.99549	0.92190	0.95936
41	29	22.54219	24.36788	0.99504	0.90813	0.95185	0.99504	0.90642	0.95091	19.87777	21.13984	0.99549	0.92549	0.96130	0.99549	0.92430	0.96066
41	30	22.54219	24.23009	0.99504	0.91152	0.95371	0.99504	0.90969	0.95271	19.87777	21.04806	0.99549	0.92801	0.96266	0.99549	0.92673	0.96197
41	31	22.54219	24.08752	0.99504	0.91493	0.95558	0.99504	0.91299	0.95452	19.87777	20.95246	0.99549	0.93055	0.96403	0.99549	0.92920	0.96330
41	32	22.54219	23.94006	0.99504	0.91837	0.95745	0.99504	0.91631	0.95633	19.87777	20.85289	0.99549	0.93313	0.96541	0.99549	0.93169	0.96464
41	33	22.54219	23.78740	0.99504	0.92182	0.95932	0.99504	0.91963	0.95813	19.87777	20.74907	0.99549	0.93572	0.96679	0.99549	0.93419	0.96598
41	34	22.54219	23.62942	0.99504	0.92528	0.96119	0.99504	0.92296	0.95994	19.87777	20.64088	0.99549	0.93833	0.96818	0.99549	0.93671	0.96732
41	35	22.54219	23.46579	0.99504	0.92872	0.96304	0.99504	0.92627	0.96172	19.87777	20.52800	0.99549	0.94094	0.96957	0.99549	0.93922	0.96866
41	36	22.54219	23.29632	0.99504	0.93214	0.96488	0.99504	0.92955	0.96349	19.87777	20.41023	0.99549	0.94354	0.97095	0.99549	0.94172	0.96999
41	37	22.54219	23.12089	0.99504	0.93552	0.96669	0.99504	0.93280	0.96523	19.87777	20.28745	0.99549	0.94613	0.97232	0.99549	0.94421	0.97130
41	38	22.54219	22.93911	0.99504	0.93886	0.96846	0.99504	0.93600	0.96694	19.87777	20.15926	0.99549	0.94869	0.97367	0.99549	0.94667	0.97260
41	39	22.54219	22.75087	0.99504	0.94214	0.97021	0.99504	0.93915	0.96862	19.87777	20.02555	0.99549	0.95122	0.97500	0.99549	0.94910	0.97388
41	40	22.54219	22.55572	0.99504	0.94534	0.97190	0.99504	0.94222	0.97025	19.87777	19.88587	0.99549	0.95371	0.97630	0.99549	0.95148	0.97514
41	41	22.54219	22.35340	0.99504	0.94847	0.97355	0.99504	0.94521	0.97184	19.87777	19.73995	0.99549	0.95614	0.97758	0.99549	0.95381	0.97636
41	42	22.54219	22.14385	0.99504	0.95151	0.97515	0.99504	0.94812	0.97337	19.87777	19.58769	0.99549	0.95852	0.97882	0.99549	0.95609	0.97755
41	43	22.54219	21.92669	0.99504	0.95445	0.97669	0.99504	0.95093	0.97485	19.87777	19.42870	0.99549	0.96083	0.98003	0.99549	0.95830	0.97870
41	44	22.54219	21.70178	0.99504	0.95728	0.97817	0.99504	0.95365	0.97627	19.87777	19.26280	0.99549	0.96308	0.98119	0.99549	0.96044	0.97982
41	45	22.54219	21.46876	0.99504	0.96000	0.97959	0.99504	0.95625	0.97764	19.87777	19.08963	0.99549	0.96524	0.98231	0.99549	0.96250	0.98089
41	46	22.54219	21.22763	0.99504	0.96261	0.98095	0.99504	0.95875	0.97894	19.87777	18.90911	0.99549	0.96733	0.98339	0.99549	0.96449	0.98193
41	47	22.54219	20.97813	0.99504	0.96509	0.98224	0.99504	0.96113	0.98018	19.87777	18.72094	0.99549	0.96933	0.98443	0.99549	0.96640	0.98292
41	48	22.54219	20.72003	0.99504	0.96746	0.98346	0.99504	0.96341	0.98136	19.87777	18.52488	0.99549	0.97125	0.98541	0.99549	0.96823	0.98386
41	49	22.54219	20.45326	0.99504	0.96970	0.98462	0.99504	0.96556	0.98248	19.87777	18.32076	0.99549	0.97308	0.98635	0.99549	0.96998	0.98476
41	50	22.54219	20.17742	0.99504	0.97182	0.98571	0.99504	0.96761	0.98354	19.87777	18.10816	0.99549	0.97482	0.98725	0.99549	0.97164	0.98562
41	51	22.54219	19.89339	0.99504	0.97383	0.98674	0.99504	0.96955	0.98454	19.87777	17.88781	0.99549	0.97647	0.98810	0.99549	0.97323	0.98643
41	52	22.54219	19.60122	0.99504	0.97572	0.98771	0.99504	0.97138	0.98548	19.87777	17.65967	0.99549	0.97804	0.98890	0.99549	0.97473	0.98720
41	53	22.54219	19.30125	0.99504	0.97749	0.98862	0.99504	0.97310	0.98637	19.87777	17.42398	0.99549	0.97953	0.98966	0.99549	0.97616	0.98794

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
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PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
41	54	22.54219	18.99375	0.99504	0.97915	0.98947	0.99504	0.97473	0.98721	19.87777	17.18091	0.99549	0.98094	0.99038	0.99549	0.97751	0.98863
41	55	22.54219	18.67912	0.99504	0.98071	0.99026	0.99504	0.97627	0.98799	19.87777	16.93076	0.99549	0.98226	0.99105	0.99549	0.97880	0.98928
41	56	22.54219	18.35803	0.99504	0.98217	0.99101	0.99504	0.97771	0.98873	19.87777	16.67407	0.99549	0.98351	0.99169	0.99549	0.98001	0.98990
41	57	22.54219	18.02853	0.99504	0.98354	0.99170	0.99504	0.97908	0.98943	19.87777	16.40902	0.99549	0.98469	0.99228	0.99549	0.98116	0.99049
41	58	22.54219	17.69065	0.99504	0.98482	0.99235	0.99504	0.98036	0.99008	19.87777	16.13552	0.99549	0.98580	0.99285	0.99549	0.98225	0.99105
41	59	22.54219	17.34441	0.99504	0.98601	0.99296	0.99504	0.98156	0.99070	19.87777	15.85354	0.99549	0.98684	0.99338	0.99549	0.98328	0.99157
41	60	22.54219	16.98967	0.99504	0.98713	0.99352	0.99504	0.98270	0.99128	19.87777	15.52620	0.99549	0.98783	0.99388	0.99549	0.98426	0.99207
41	61	22.54219	16.62627	0.99504	0.98818	0.99405	0.99504	0.98378	0.99182	19.87777	15.26320	0.99549	0.98875	0.99434	0.99549	0.98519	0.99254
41	62	22.54219	16.25423	0.99504	0.98915	0.99455	0.99504	0.98479	0.99234	19.87777	14.95454	0.99549	0.98962	0.99479	0.99549	0.98606	0.99298
41	63	22.54219	15.87341	0.99504	0.99006	0.99501	0.99504	0.98574	0.99282	19.87777	14.63664	0.99549	0.99044	0.99520	0.99549	0.98690	0.99341
41	64	22.54219	15.48353	0.99504	0.99091	0.99543	0.99504	0.98664	0.99328	19.87777	14.30913	0.99549	0.99121	0.99559	0.99549	0.98769	0.99381
41	65	22.54219	15.08480	0.99504	0.99170	0.99583	0.99504	0.98750	0.99371	19.87777	13.97213	0.99549	0.99194	0.99595	0.99549	0.98844	0.99419
41	66	22.54219	14.67724	0.99504	0.99244	0.99621	0.99504	0.98830	0.99412	19.87777	13.62552	0.99549	0.99262	0.99630	0.99549	0.98915	0.99455
41	67	22.54219	14.26104	0.99504	0.99313	0.99655	0.99504	0.98906	0.99450	19.87777	13.26940	0.99549	0.99326	0.99662	0.99549	0.98983	0.99489
41	68	22.54219	13.83657	0.99504	0.99377	0.99687	0.99504	0.98978	0.99487	19.87777	12.90401	0.99549	0.99385	0.99692	0.99549	0.99047	0.99521
41	69	22.54219	13.40435	0.99504	0.99436	0.99717	0.99504	0.99046	0.99521	19.87777	12.52973	0.99549	0.99441	0.99720	0.99549	0.99108	0.99552
41	70	22.54219	12.96501	0.99504	0.99491	0.99745	0.99504	0.99111	0.99553	19.87777	12.14706	0.99549	0.99493	0.99746	0.99549	0.99166	0.99581
41	71	22.54219	12.51927	0.99504	0.99542	0.99770	0.99504	0.99172	0.99584	19.87777	11.75658	0.99549	0.99542	0.99770	0.99549	0.99221	0.99609
41	72	22.54219	12.06792	0.99504	0.99589	0.99794	0.99504	0.99229	0.99613	19.87777	11.35893	0.99549	0.99586	0.99793	0.99549	0.99273	0.99635
41	73	22.54219	11.61185	0.99504	0.99632	0.99816	0.99504	0.99283	0.99640	19.87777	10.95491	0.99549	0.99628	0.99814	0.99549	0.99323	0.99660
41	74	22.54219	11.15217	0.99504	0.99672	0.99836	0.99504	0.99334	0.99666	19.87777	10.54549	0.99549	0.99666	0.99833	0.99549	0.99369	0.99684
41	75	22.54219	10.68986	0.99504	0.99708	0.99854	0.99504	0.99382	0.99690	19.87777	10.13154	0.99549	0.99702	0.99851	0.99549	0.99413	0.99706
41	76	22.54219	10.22626	0.99504	0.99741	0.99870	0.99504	0.99427	0.99713	19.87777	9.71428	0.99549	0.99734	0.99867	0.99549	0.99455	0.99727
41	77	22.54219	9.76277	0.99504	0.99771	0.99885	0.99504	0.99469	0.99734	19.87777	9.29502	0.99549	0.99764	0.99882	0.99549	0.99493	0.99746
41	78	22.54219	9.30064	0.99504	0.99798	0.99899	0.99504	0.99508	0.99754	19.87777	8.87492	0.99549	0.99791	0.99895	0.99549	0.99530	0.99764
41	79	22.54219	8.84103	0.99504	0.99822	0.99911	0.99504	0.99545	0.99772	19.87777	8.45509	0.99549	0.99815	0.99907	0.99549	0.99564	0.99782
41	80	22.54219	8.38551	0.99504	0.99844	0.99922	0.99504	0.99579	0.99789	19.87777	8.03703	0.99549	0.99837	0.99918	0.99549	0.99596	0.99798
41	81	22.54219	7.93532	0.99504	0.99863	0.99932	0.99504	0.99611	0.99805	19.87777	7.62196	0.99549	0.99857	0.99928	0.99549	0.99626	0.99812
41	82	22.54219	7.49211	0.99504	0.99881	0.99940	0.99504	0.99640	0.99820	19.87777	7.21152	0.99549	0.99874	0.99937	0.99549	0.99653	0.99826
41	83	22.54219	7.05756	0.99504	0.99896	0.99948	0.99504	0.99668	0.99834	19.87777	6.80735	0.99549	0.99890	0.99945	0.99549	0.99679	0.99839
41	84	22.54219	6.63342	0.99504	0.99910	0.99955	0.99504	0.99693	0.99846	19.87777	6.41122	0.99549	0.99904	0.99952	0.99549	0.99703	0.99851
41	85	22.54219	6.22156	0.99504	0.99922	0.99961	0.99504	0.99716	0.99858	19.87777	6.02503	0.99549	0.99917	0.99958	0.99549	0.99725	0.99862
41	86	22.54219	5.82374	0.99504	0.99932	0.99966	0.99504	0.99738	0.99869	19.87777	5.65055	0.99549	0.99928	0.99964	0.99549	0.99745	0.99872
41	87	22.54219	5.44155	0.99504	0.99941	0.99971	0.99504	0.99757	0.99879	19.87777	5.28949	0.99549	0.99937	0.99969	0.99549	0.99764	0.99882
41	88	22.54219	5.07613	0.99504	0.99949	0.99975	0.99504	0.99776	0.99888	19.87777	4.94306	0.99549	0.99946	0.99973	0.99549	0.99781	0.99891
41	89	22.54219	4.72862	0.99504	0.99956	0.99978	0.99504	0.99792	0.99896	19.87777	4.61250	0.99549	0.99953	0.99976	0.99549	0.99797	0.99899
41	90	22.54219	4.40007	0.99504	0.99962	0.99981	0.99504	0.99808	0.99904	19.87777	4.29901	0.99549	0.99959	0.99980	0.99549	0.99812	0.99906
41	91	22.54219	4.09149	0.99504	0.99968	0.99984	0.99504	0.99822	0.99911	19.87777	4.00370	0.99549	0.99965	0.99982	0.99549	0.99825	0.99913
41	92	22.54219	3.80354	0.99504	0.99972	0.99986	0.99504	0.99835	0.99917	19.87777	3.72738	0.99549	0.99970	0.99985	0.99549	0.99838	0.99919
41	93	22.54219	3.53621	0.99504	0.99976	0.99988	0.99504	0.99846	0.99923	19.87777	3.47020	0.99549	0.99974	0.99987	0.99549	0.99849	0.99925
41	94	22.54219	3.28870	0.99504	0.99979	0.99990	0.99504	0.99857	0.99929	19.87777	3.23152	0.99549	0.99977	0.99989	0.99549	0.99860	0.99930

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
41	95	22.54219	3.05955	0.99504	0.99982	0.99991	0.99504	0.99867	0.99934	19.87777	3.01004	0.99549	0.99980	0.99990	0.99549	0.99870	0.99935
41	96	22.54219	2.84646	0.99504	0.99984	0.99992	0.99504	0.99876	0.99938	19.87777	2.80360	0.99549	0.99983	0.99991	0.99549	0.99878	0.99939
41	97	22.54219	2.65226	0.99504	0.99986	0.99993	0.99504	0.99885	0.99942	19.87777	2.61510	0.99549	0.99985	0.99993	0.99549	0.99887	0.99943
41	98	22.54219	2.47567	0.99504	0.99988	0.99994	0.99504	0.99893	0.99946	19.87777	2.44340	0.99549	0.99987	0.99993	0.99549	0.99894	0.99947
41	99	22.54219	2.31535	0.99504	0.99990	0.99995	0.99504	0.99900	0.99950	19.87777	2.28724	0.99549	0.99989	0.99994	0.99549	0.99901	0.99950
41	100	22.54219	2.16976	0.99504	0.99991	0.99995	0.99504	0.99906	0.99953	19.87777	2.14523	0.99549	0.99990	0.99995	0.99549	0.99907	0.99954
41	101	22.54219	2.03734	0.99504	0.99992	0.99996	0.99504	0.99912	0.99956	19.87777	2.01587	0.99549	0.99991	0.99996	0.99549	0.99913	0.99956
41	102	22.54219	1.91714	0.99504	0.99993	0.99996	0.99504	0.99917	0.99959	19.87777	1.89830	0.99549	0.99992	0.99996	0.99549	0.99918	0.99959
41	103	22.54219	1.80800	0.99504	0.99994	0.99997	0.99504	0.99922	0.99961	19.87777	1.79140	0.99549	0.99993	0.99997	0.99549	0.99923	0.99962
41	104	22.54219	1.70943	0.99504	0.99994	0.99997	0.99504	0.99927	0.99963	19.87777	1.69474	0.99549	0.99994	0.99997	0.99549	0.99927	0.99964
41	105	22.54219	1.62048	0.99504	0.99995	0.99998	0.99504	0.99931	0.99965	19.87777	1.60741	0.99549	0.99994	0.99997	0.99549	0.99931	0.99966
41	106	22.54219	1.54080	0.99504	0.99996	0.99998	0.99504	0.99934	0.99967	19.87777	1.52911	0.99549	0.99995	0.99997	0.99549	0.99935	0.99967
41	107	22.54219	1.47009	0.99504	0.99996	0.99998	0.99504	0.99937	0.99969	19.87777	1.45954	0.99549	0.99995	0.99998	0.99549	0.99938	0.99969
41	108	22.54219	1.40861	0.99504	0.99996	0.99998	0.99504	0.99940	0.99970	19.87777	1.39898	0.99549	0.99996	0.99998	0.99549	0.99941	0.99970
41	109	22.54219	1.35764	0.99504	0.99997	0.99998	0.99504	0.99942	0.99971	19.87777	1.34871	0.99549	0.99996	0.99998	0.99549	0.99943	0.99971
41	110	22.54219	1.32125	0.99504	0.99997	0.99998	0.99504	0.99943	0.99972	19.87777	1.31279	0.99549	0.99996	0.99998	0.99549	0.99944	0.99972
42	1	22.33860	26.72925	0.99457	0.83381	0.90938	0.99457	0.83343	0.90915	19.73073	22.57586	0.99506	0.87209	0.93167	0.99506	0.87181	0.93152
42	2	22.33860	26.68154	0.99457	0.83525	0.91023	0.99457	0.83486	0.91000	19.73073	22.55058	0.99506	0.87302	0.93221	0.99506	0.87274	0.93205
42	3	22.33860	26.63112	0.99457	0.83675	0.91112	0.99457	0.83635	0.91088	19.73073	22.52338	0.99506	0.87401	0.93277	0.99506	0.87372	0.93260
42	4	22.33860	26.57806	0.99457	0.83832	0.91205	0.99457	0.83790	0.91180	19.73073	22.49433	0.99506	0.87504	0.93335	0.99506	0.87474	0.93318
42	5	22.33860	26.52283	0.99457	0.83994	0.91301	0.99457	0.83950	0.91275	19.73073	22.46379	0.99506	0.87611	0.93397	0.99506	0.87580	0.93379
42	6	22.33860	26.46539	0.99457	0.84163	0.91400	0.99457	0.84117	0.91373	19.73073	22.43176	0.99506	0.87723	0.93460	0.99506	0.87691	0.93442
42	7	22.33860	26.40551	0.99457	0.84338	0.91503	0.99457	0.84289	0.91475	19.73073	22.39806	0.99506	0.87841	0.93527	0.99506	0.87806	0.93507
42	8	22.33860	26.34335	0.99457	0.84519	0.91610	0.99457	0.84468	0.91580	19.73073	22.36278	0.99506	0.87963	0.93596	0.99506	0.87927	0.93576
42	9	22.33860	26.27867	0.99457	0.84708	0.91721	0.99457	0.84654	0.91689	19.73073	22.32575	0.99506	0.88091	0.93668	0.99506	0.88052	0.93647
42	10	22.33860	26.21121	0.99457	0.84904	0.91836	0.99457	0.84846	0.91802	19.73073	22.28674	0.99506	0.88224	0.93744	0.99506	0.88183	0.93721
42	11	22.33860	26.14141	0.99457	0.85106	0.91954	0.99457	0.85046	0.91919	19.73073	22.24611	0.99506	0.88363	0.93822	0.99506	0.88320	0.93798
42	12	22.33860	26.06892	0.99457	0.85317	0.92077	0.99457	0.85252	0.92039	19.73073	22.20360	0.99506	0.88508	0.93904	0.99506	0.88462	0.93878
42	13	22.33860	25.99388	0.99457	0.85534	0.92203	0.99457	0.85466	0.92164	19.73073	22.15929	0.99506	0.88658	0.93988	0.99506	0.88609	0.93961
42	14	22.33860	25.91617	0.99457	0.85760	0.92334	0.99457	0.85687	0.92292	19.73073	22.11310	0.99506	0.88815	0.94076	0.99506	0.88763	0.94047
42	15	22.33860	25.83587	0.99457	0.85993	0.92469	0.99457	0.85916	0.92425	19.73073	22.06509	0.99506	0.88978	0.94167	0.99506	0.88923	0.94137
42	16	22.33860	25.75319	0.99457	0.86234	0.92608	0.99457	0.86153	0.92561	19.73073	22.01544	0.99506	0.89147	0.94262	0.99506	0.89089	0.94230
42	17	22.33860	25.66857	0.99457	0.86482	0.92751	0.99457	0.86397	0.92702	19.73073	21.96453	0.99506	0.89322	0.94360	0.99506	0.89261	0.94326
42	18	22.33860	25.58235	0.99457	0.86738	0.92898	0.99457	0.86649	0.92847	19.73073	21.91267	0.99506	0.89503	0.94461	0.99506	0.89440	0.94426
42	19	22.33860	25.49361	0.99457	0.87002	0.93050	0.99457	0.86910	0.92996	19.73073	21.85907	0.99506	0.89691	0.94565	0.99506	0.89625	0.94529
42	20	22.33860	25.40164	0.99457	0.87275	0.93205	0.99457	0.87178	0.93150	19.73073	21.80312	0.99506	0.89886	0.94673	0.99506	0.89817	0.94635
42	21	22.33860	25.30562	0.99457	0.87556	0.93365	0.99457	0.87454	0.93307	19.73073	21.74411	0.99506	0.90087	0.94785	0.99506	0.90015	0.94745
42	22	22.33860	25.20517	0.99457	0.87847	0.93530	0.99457	0.87739	0.93469	19.73073	21.68171	0.99506	0.90296	0.94901	0.99506	0.90221	0.94859
42	23	22.33860	25.09967	0.99457	0.88145	0.93699	0.99457	0.88031	0.93634	19.73073	21.61537	0.99506	0.90513	0.95020	0.99506	0.90432	0.94976
42	24	22.33860	24.98936	0.99457	0.88453	0.93873	0.99457	0.88330	0.93803	19.73073	21.54528	0.99506	0.90736	0.95143	0.99506	0.90650	0.95096
42	25	22.33860	24.87419	0.99457	0.88768	0.94050	0.99457	0.88637	0.93976	19.73073	21.47137	0.99506	0.90967	0.95270	0.99506	0.90875	0.95219

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree Age</u>	<u>Beneficiary Age</u>	<u>Retiree Annuity Value</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>	<u>Retiree Annuity Value</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>
42	26	22.33860	24.75420	0.99457	0.89091	0.94231	0.99457	0.88950	0.94152	19.73073	21.39367	0.99506	0.91204	0.95399	0.99506	0.91105	0.95345
42	27	22.33860	24.62994	0.99457	0.89421	0.94415	0.99457	0.89270	0.94331	19.73073	21.31262	0.99506	0.91447	0.95532	0.99506	0.91341	0.95474
42	28	22.33860	24.50119	0.99457	0.89758	0.94603	0.99457	0.89596	0.94513	19.73073	21.22804	0.99506	0.91695	0.95668	0.99506	0.91582	0.95606
42	29	22.33860	24.36788	0.99457	0.90100	0.94792	0.99457	0.89928	0.94697	19.73073	21.13984	0.99506	0.91950	0.95806	0.99506	0.91828	0.95740
42	30	22.33860	24.23009	0.99457	0.90448	0.94984	0.99457	0.90263	0.94883	19.73073	21.04806	0.99506	0.92208	0.95946	0.99506	0.92079	0.95876
42	31	22.33860	24.08752	0.99457	0.90800	0.95178	0.99457	0.90603	0.95070	19.73073	20.95246	0.99506	0.92472	0.96089	0.99506	0.92333	0.96014
42	32	22.33860	23.94006	0.99457	0.91155	0.95373	0.99457	0.90946	0.95258	19.73073	20.85289	0.99506	0.92738	0.96232	0.99506	0.92591	0.96153
42	33	22.33860	23.78740	0.99457	0.91513	0.95568	0.99457	0.91290	0.95447	19.73073	20.74907	0.99506	0.93008	0.96377	0.99506	0.92851	0.96293
42	34	22.33860	23.62942	0.99457	0.91872	0.95764	0.99457	0.91636	0.95635	19.73073	20.64088	0.99506	0.93280	0.96523	0.99506	0.93113	0.96434
42	35	22.33860	23.46579	0.99457	0.92231	0.95958	0.99457	0.91981	0.95823	19.73073	20.52800	0.99506	0.93553	0.96669	0.99506	0.93376	0.96575
42	36	22.33860	23.29632	0.99457	0.92589	0.96152	0.99457	0.92325	0.96009	19.73073	20.41023	0.99506	0.93826	0.96815	0.99506	0.93639	0.96715
42	37	22.33860	23.12089	0.99457	0.92945	0.96344	0.99457	0.92667	0.96194	19.73073	20.28745	0.99506	0.94099	0.96960	0.99506	0.93901	0.96855
42	38	22.33860	22.93911	0.99457	0.93298	0.96533	0.99457	0.93004	0.96375	19.73073	20.15926	0.99506	0.94371	0.97104	0.99506	0.94162	0.96993
42	39	22.33860	22.75087	0.99457	0.93646	0.96719	0.99457	0.93337	0.96554	19.73073	20.02555	0.99506	0.94640	0.97246	0.99506	0.94419	0.97130
42	40	22.33860	22.55572	0.99457	0.93987	0.96900	0.99457	0.93664	0.96729	19.73073	19.88587	0.99506	0.94905	0.97386	0.99506	0.94673	0.97264
42	41	22.33860	22.35340	0.99457	0.94322	0.97078	0.99457	0.93984	0.96899	19.73073	19.73995	0.99506	0.95166	0.97523	0.99506	0.94923	0.97395
42	42	22.33860	22.14385	0.99457	0.94648	0.97251	0.99457	0.94296	0.97064	19.73073	19.58769	0.99506	0.95422	0.97657	0.99506	0.95167	0.97524
42	43	22.33860	21.92669	0.99457	0.94965	0.97418	0.99457	0.94599	0.97224	19.73073	19.42870	0.99506	0.95672	0.97788	0.99506	0.95406	0.97649
42	44	22.33860	21.70178	0.99457	0.95272	0.97579	0.99457	0.94891	0.97379	19.73073	19.26280	0.99506	0.95915	0.97915	0.99506	0.95637	0.97770
42	45	22.33860	21.46876	0.99457	0.95567	0.97733	0.99457	0.95174	0.97527	19.73073	19.08963	0.99506	0.96150	0.98037	0.99506	0.95862	0.97887
42	46	22.33860	21.22763	0.99457	0.95851	0.97882	0.99457	0.95445	0.97670	19.73073	18.90911	0.99506	0.96378	0.98155	0.99506	0.96078	0.98000
42	47	22.33860	20.97813	0.99457	0.96123	0.98023	0.99457	0.95706	0.97806	19.73073	18.72094	0.99506	0.96597	0.98269	0.99506	0.96287	0.98108
42	48	22.33860	20.72003	0.99457	0.96383	0.98158	0.99457	0.95954	0.97935	19.73073	18.52488	0.99506	0.96807	0.98378	0.99506	0.96487	0.98212
42	49	22.33860	20.45326	0.99457	0.96630	0.98286	0.99457	0.96191	0.98058	19.73073	18.32076	0.99506	0.97009	0.98482	0.99506	0.96679	0.98311
42	50	22.33860	20.17742	0.99457	0.96864	0.98407	0.99457	0.96416	0.98175	19.73073	18.10816	0.99506	0.97201	0.98581	0.99506	0.96862	0.98406
42	51	22.33860	19.89339	0.99457	0.97086	0.98521	0.99457	0.96629	0.98286	19.73073	17.88781	0.99506	0.97384	0.98675	0.99506	0.97037	0.98496
42	52	22.33860	19.60122	0.99457	0.97295	0.98629	0.99457	0.96831	0.98390	19.73073	17.65967	0.99506	0.97558	0.98764	0.99506	0.97203	0.98582
42	53	22.33860	19.30125	0.99457	0.97492	0.98730	0.99457	0.97022	0.98489	19.73073	17.42398	0.99506	0.97722	0.98848	0.99506	0.97361	0.98663
42	54	22.33860	18.99375	0.99457	0.97677	0.98825	0.99457	0.97203	0.98581	19.73073	17.18091	0.99506	0.97878	0.98928	0.99506	0.97511	0.98740
42	55	22.33860	18.67912	0.99457	0.97850	0.98913	0.99457	0.97373	0.98669	19.73073	16.93076	0.99506	0.98026	0.99003	0.99506	0.97653	0.98812
42	56	22.33860	18.35803	0.99457	0.98013	0.98996	0.99457	0.97533	0.98751	19.73073	16.67407	0.99506	0.98164	0.99074	0.99506	0.97787	0.98881
42	57	22.33860	18.02853	0.99457	0.98165	0.99074	0.99457	0.97684	0.98828	19.73073	16.40902	0.99506	0.98296	0.99140	0.99506	0.97915	0.98946
42	58	22.33860	17.69065	0.99457	0.98307	0.99146	0.99457	0.97826	0.98901	19.73073	16.13552	0.99506	0.98419	0.99203	0.99506	0.98036	0.99008
42	59	22.33860	17.34441	0.99457	0.98441	0.99214	0.99457	0.97960	0.98969	19.73073	15.85354	0.99506	0.98535	0.99262	0.99506	0.98150	0.99066
42	60	22.33860	16.98967	0.99457	0.98565	0.99277	0.99457	0.98086	0.99034	19.73073	15.56284	0.99506	0.98645	0.99318	0.99506	0.98258	0.99122
42	61	22.33860	16.62627	0.99457	0.98682	0.99336	0.99457	0.98205	0.99094	19.73073	15.26320	0.99506	0.98748	0.99370	0.99506	0.98361	0.99174
42	62	22.33860	16.25423	0.99457	0.98790	0.99391	0.99457	0.98317	0.99151	19.73073	14.95454	0.99506	0.98845	0.99419	0.99506	0.98458	0.99223
42	63	22.33860	15.87341	0.99457	0.98892	0.99443	0.99457	0.98423	0.99205	19.73073	14.63664	0.99506	0.98936	0.99465	0.99506	0.98551	0.99270
42	64	22.33860	15.48353	0.99457	0.98986	0.99491	0.99457	0.98523	0.99256	19.73073	14.30913	0.99506	0.99022	0.99509	0.99506	0.98638	0.99314
42	65	22.33860	15.08480	0.99457	0.99075	0.99535	0.99457	0.98617	0.99304	19.73073	13.97213	0.99506	0.99103	0.99549	0.99506	0.98721	0.99357
42	66	22.33860	14.67724	0.99457	0.99157	0.99577	0.99457	0.98706	0.99349	19.73073	13.62552	0.99506	0.99178	0.99587	0.99506	0.98800	0.99396

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
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PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree Age</u>	<u>Beneficiary Age</u>	<u>Retiree Annuity Value</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>	<u>Retiree Annuity Value</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>
42	67	22.33860	14.26104	0.99457	0.99234	0.99615	0.99457	0.98790	0.99391	19.73073	13.26940	0.99506	0.99249	0.99623	0.99506	0.98875	0.99434
42	68	22.33860	13.83657	0.99457	0.99305	0.99651	0.99457	0.98870	0.99432	19.73073	12.90401	0.99506	0.99316	0.99657	0.99506	0.98946	0.99470
42	69	22.33860	13.40435	0.99457	0.99371	0.99685	0.99457	0.98945	0.99470	19.73073	12.52973	0.99506	0.99378	0.99688	0.99506	0.99014	0.99504
42	70	22.33860	12.96501	0.99457	0.99432	0.99715	0.99457	0.99016	0.99506	19.73073	12.14706	0.99506	0.99436	0.99717	0.99506	0.99078	0.99537
42	71	22.33860	12.51927	0.99457	0.99489	0.99744	0.99457	0.99084	0.99540	19.73073	11.75658	0.99506	0.99490	0.99744	0.99506	0.99139	0.99568
42	72	22.33860	12.06792	0.99457	0.99541	0.99770	0.99457	0.99147	0.99572	19.73073	11.35893	0.99506	0.99540	0.99769	0.99506	0.99197	0.99597
42	73	22.33860	11.61185	0.99457	0.99590	0.99794	0.99457	0.99207	0.99602	19.73073	10.95491	0.99506	0.99586	0.99793	0.99506	0.99251	0.99624
42	74	22.33860	11.15217	0.99457	0.99634	0.99817	0.99457	0.99264	0.99630	19.73073	10.54549	0.99506	0.99629	0.99814	0.99506	0.99303	0.99650
42	75	22.33860	10.68986	0.99457	0.99674	0.99837	0.99457	0.99317	0.99657	19.73073	10.13154	0.99506	0.99668	0.99834	0.99506	0.99352	0.99675
42	76	22.33860	10.22626	0.99457	0.99711	0.99855	0.99457	0.99367	0.99683	19.73073	9.71428	0.99506	0.99705	0.99852	0.99506	0.99398	0.99698
42	77	22.33860	9.76277	0.99457	0.99745	0.99872	0.99457	0.99414	0.99706	19.73073	9.29502	0.99506	0.99738	0.99869	0.99506	0.99441	0.99720
42	78	22.33860	9.30064	0.99457	0.99775	0.99887	0.99457	0.99458	0.99728	19.73073	8.87492	0.99506	0.99768	0.99884	0.99506	0.99482	0.99740
42	79	22.33860	8.84103	0.99457	0.99802	0.99901	0.99457	0.99499	0.99749	19.73073	8.45509	0.99506	0.99795	0.99897	0.99506	0.99520	0.99760
42	80	22.33860	8.38551	0.99457	0.99827	0.99913	0.99457	0.99537	0.99768	19.73073	8.03703	0.99506	0.99820	0.99910	0.99506	0.99556	0.99778
42	81	22.33860	7.93532	0.99457	0.99849	0.99924	0.99457	0.99573	0.99786	19.73073	7.62196	0.99506	0.99842	0.99921	0.99506	0.99590	0.99794
42	82	22.33860	7.49211	0.99457	0.99868	0.99934	0.99457	0.99606	0.99803	19.73073	7.21152	0.99506	0.99862	0.99931	0.99506	0.99621	0.99810
42	83	22.33860	7.05756	0.99457	0.99885	0.99943	0.99457	0.99637	0.99818	19.73073	6.80735	0.99506	0.99879	0.99940	0.99506	0.99649	0.99824
42	84	22.33860	6.63342	0.99457	0.99901	0.99950	0.99457	0.99665	0.99832	19.73073	6.41122	0.99506	0.99895	0.99947	0.99506	0.99676	0.99838
42	85	22.33860	6.22156	0.99457	0.99914	0.99957	0.99457	0.99691	0.99845	19.73073	6.02503	0.99506	0.99909	0.99954	0.99506	0.99701	0.99850
42	86	22.33860	5.82374	0.99457	0.99926	0.99963	0.99457	0.99715	0.99857	19.73073	5.65055	0.99506	0.99921	0.99960	0.99506	0.99724	0.99862
42	87	22.33860	5.44155	0.99457	0.99936	0.99968	0.99457	0.99737	0.99868	19.73073	5.28949	0.99506	0.99932	0.99966	0.99506	0.99745	0.99872
42	88	22.33860	5.07613	0.99457	0.99945	0.99972	0.99457	0.99758	0.99879	19.73073	4.94306	0.99506	0.99941	0.99970	0.99506	0.99764	0.99882
42	89	22.33860	4.72862	0.99457	0.99953	0.99976	0.99457	0.99776	0.99888	19.73073	4.61250	0.99506	0.99949	0.99974	0.99506	0.99782	0.99891
42	90	22.33860	4.40007	0.99457	0.99959	0.99980	0.99457	0.99793	0.99896	19.73073	4.29901	0.99506	0.99956	0.99978	0.99506	0.99798	0.99899
42	91	22.33860	4.09149	0.99457	0.99965	0.99982	0.99457	0.99809	0.99904	19.73073	4.00370	0.99506	0.99962	0.99981	0.99506	0.99813	0.99906
42	92	22.33860	3.80354	0.99457	0.99970	0.99985	0.99457	0.99823	0.99911	19.73073	3.72738	0.99506	0.99967	0.99984	0.99506	0.99826	0.99913
42	93	22.33860	3.53621	0.99457	0.99974	0.99987	0.99457	0.99836	0.99918	19.73073	3.47020	0.99506	0.99972	0.99986	0.99506	0.99839	0.99919
42	94	22.33860	3.28870	0.99457	0.99978	0.99989	0.99457	0.99848	0.99924	19.73073	3.23152	0.99506	0.99976	0.99988	0.99506	0.99850	0.99925
42	95	22.33860	3.05955	0.99457	0.99981	0.99990	0.99457	0.99859	0.99929	19.73073	3.01004	0.99506	0.99979	0.99989	0.99506	0.99861	0.99930
42	96	22.33860	2.84646	0.99457	0.99983	0.99992	0.99457	0.99868	0.99934	19.73073	2.80360	0.99506	0.99982	0.99991	0.99506	0.99871	0.99935
42	97	22.33860	2.65226	0.99457	0.99985	0.99993	0.99457	0.99878	0.99939	19.73073	2.61510	0.99506	0.99984	0.99992	0.99506	0.99879	0.99940
42	98	22.33860	2.47567	0.99457	0.99987	0.99994	0.99457	0.99886	0.99943	19.73073	2.44340	0.99506	0.99986	0.99993	0.99506	0.99888	0.99944
42	99	22.33860	2.31535	0.99457	0.99989	0.99994	0.99457	0.99893	0.99947	19.73073	2.28724	0.99506	0.99988	0.99994	0.99506	0.99895	0.99947
42	100	22.33860	2.16976	0.99457	0.99990	0.99995	0.99457	0.99900	0.99950	19.73073	2.14523	0.99506	0.99989	0.99995	0.99506	0.99902	0.99951
42	101	22.33860	2.03734	0.99457	0.99991	0.99996	0.99457	0.99907	0.99953	19.73073	2.01587	0.99506	0.99991	0.99995	0.99506	0.99908	0.99954
42	102	22.33860	1.91714	0.99457	0.99992	0.99996	0.99457	0.99912	0.99956	19.73073	1.89830	0.99506	0.99992	0.99996	0.99506	0.99913	0.99957
42	103	22.33860	1.80800	0.99457	0.99993	0.99997	0.99457	0.99918	0.99959	19.73073	1.79140	0.99506	0.99993	0.99996	0.99506	0.99919	0.99959
42	104	22.33860	1.70943	0.99457	0.99994	0.99997	0.99457	0.99922	0.99961	19.73073	1.69474	0.99506	0.99993	0.99997	0.99506	0.99923	0.99962
42	105	22.33860	1.62048	0.99457	0.99995	0.99997	0.99457	0.99927	0.99963	19.73073	1.60741	0.99506	0.99994	0.99997	0.99506	0.99927	0.99964
42	106	22.33860	1.54080	0.99457	0.99995	0.99998	0.99457	0.99930	0.99965	19.73073	1.52911	0.99506	0.99995	0.99997	0.99506	0.99931	0.99966
42	107	22.33860	1.47009	0.99457	0.99996	0.99998	0.99457	0.99934	0.99967	19.73073	1.45954	0.99506	0.99995	0.99998	0.99506	0.99934	0.99967

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
43	80	22.12759	8.38551	0.99402	0.99807	0.99903	0.99402	0.99488	0.99744	19.57718	8.03703	0.99457	0.99799	0.99899	0.99457	0.99510	0.99754
43	81	22.12759	7.93532	0.99402	0.99831	0.99916	0.99402	0.99528	0.99764	19.57718	7.62196	0.99457	0.99824	0.99912	0.99457	0.99547	0.99773
43	82	22.12759	7.49211	0.99402	0.99853	0.99927	0.99402	0.99566	0.99782	19.57718	7.21152	0.99457	0.99846	0.99923	0.99457	0.99582	0.99790
43	83	22.12759	7.05756	0.99402	0.99873	0.99936	0.99402	0.99600	0.99800	19.57718	6.80735	0.99457	0.99866	0.99933	0.99457	0.99614	0.99807
43	84	22.12759	6.63342	0.99402	0.99890	0.99945	0.99402	0.99632	0.99816	19.57718	6.41122	0.99457	0.99884	0.99942	0.99457	0.99644	0.99822
43	85	22.12759	6.22156	0.99402	0.99905	0.99952	0.99402	0.99661	0.99830	19.57718	6.02503	0.99457	0.99899	0.99950	0.99457	0.99672	0.99836
43	86	22.12759	5.82374	0.99402	0.99918	0.99959	0.99402	0.99688	0.99844	19.57718	5.65055	0.99457	0.99913	0.99956	0.99457	0.99698	0.99849
43	87	22.12759	5.44155	0.99402	0.99930	0.99965	0.99402	0.99713	0.99856	19.57718	5.28949	0.99457	0.99925	0.99962	0.99457	0.99721	0.99860
43	88	22.12759	5.07613	0.99402	0.99939	0.99970	0.99402	0.99736	0.99868	19.57718	4.94306	0.99457	0.99935	0.99968	0.99457	0.99743	0.99871
43	89	22.12759	4.72862	0.99402	0.99948	0.99974	0.99402	0.99757	0.99878	19.57718	4.61250	0.99457	0.99944	0.99972	0.99457	0.99763	0.99881
43	90	22.12759	4.40007	0.99402	0.99955	0.99978	0.99402	0.99776	0.99888	19.57718	4.29901	0.99457	0.99952	0.99976	0.99457	0.99781	0.99890
43	91	22.12759	4.09149	0.99402	0.99962	0.99981	0.99402	0.99793	0.99896	19.57718	4.00370	0.99457	0.99959	0.99979	0.99457	0.99798	0.99899
43	92	22.12759	3.80354	0.99402	0.99967	0.99984	0.99402	0.99809	0.99904	19.57718	3.72738	0.99457	0.99964	0.99982	0.99457	0.99813	0.99906
43	93	22.12759	3.53621	0.99402	0.99972	0.99986	0.99402	0.99823	0.99911	19.57718	3.47020	0.99457	0.99969	0.99985	0.99457	0.99827	0.99913
43	94	22.12759	3.28870	0.99402	0.99976	0.99988	0.99402	0.99836	0.99918	19.57718	3.23152	0.99457	0.99973	0.99987	0.99457	0.99839	0.99920
43	95	22.12759	3.05955	0.99402	0.99979	0.99989	0.99402	0.99848	0.99924	19.57718	3.01004	0.99457	0.99977	0.99989	0.99457	0.99851	0.99925
43	96	22.12759	2.84646	0.99402	0.99982	0.99991	0.99402	0.99859	0.99929	19.57718	2.80360	0.99457	0.99980	0.99990	0.99457	0.99861	0.99931
43	97	22.12759	2.65226	0.99402	0.99984	0.99992	0.99402	0.99869	0.99934	19.57718	2.61510	0.99457	0.99983	0.99991	0.99457	0.99871	0.99935
43	98	22.12759	2.47567	0.99402	0.99986	0.99993	0.99402	0.99878	0.99939	19.57718	2.44340	0.99457	0.99985	0.99992	0.99457	0.99880	0.99940
43	99	22.12759	2.31535	0.99402	0.99988	0.99994	0.99402	0.99886	0.99943	19.57718	2.28724	0.99457	0.99987	0.99993	0.99457	0.99888	0.99944
43	100	22.12759	2.16976	0.99402	0.99990	0.99995	0.99402	0.99894	0.99947	19.57718	2.14523	0.99457	0.99988	0.99994	0.99457	0.99895	0.99947
43	101	22.12759	2.03734	0.99402	0.99991	0.99995	0.99402	0.99900	0.99950	19.57718	2.01587	0.99457	0.99990	0.99995	0.99457	0.99902	0.99951
43	102	22.12759	1.91714	0.99402	0.99992	0.99996	0.99402	0.99907	0.99953	19.57718	1.89830	0.99457	0.99991	0.99996	0.99457	0.99908	0.99954
43	103	22.12759	1.80800	0.99402	0.99993	0.99996	0.99402	0.99912	0.99956	19.57718	1.79140	0.99457	0.99992	0.99996	0.99457	0.99913	0.99957
43	104	22.12759	1.70943	0.99402	0.99994	0.99997	0.99402	0.99917	0.99959	19.57718	1.69474	0.99457	0.99993	0.99996	0.99457	0.99918	0.99959
43	105	22.12759	1.62048	0.99402	0.99994	0.99997	0.99402	0.99922	0.99961	19.57718	1.60741	0.99457	0.99994	0.99997	0.99457	0.99923	0.99961
43	106	22.12759	1.54080	0.99402	0.99995	0.99997	0.99402	0.99926	0.99963	19.57718	1.52911	0.99457	0.99994	0.99997	0.99457	0.99927	0.99963
43	107	22.12759	1.47009	0.99402	0.99995	0.99998	0.99402	0.99930	0.99965	19.57718	1.45954	0.99457	0.99995	0.99997	0.99457	0.99930	0.99965
43	108	22.12759	1.40861	0.99402	0.99996	0.99998	0.99402	0.99932	0.99966	19.57718	1.39898	0.99457	0.99995	0.99998	0.99457	0.99933	0.99967
43	109	22.12759	1.35764	0.99402	0.99996	0.99998	0.99402	0.99935	0.99967	19.57718	1.34871	0.99457	0.99996	0.99998	0.99457	0.99935	0.99968
43	110	22.12759	1.32125	0.99402	0.99996	0.99998	0.99402	0.99936	0.99968	19.57718	1.31279	0.99457	0.99996	0.99998	0.99457	0.99937	0.99968
44	1	21.90912	26.72925	0.99339	0.81792	0.89984	0.99339	0.81753	0.89960	19.41702	22.57586	0.99399	0.85834	0.92377	0.99399	0.85805	0.92360
44	2	21.90912	26.68154	0.99339	0.81934	0.90070	0.99339	0.81895	0.90046	19.41702	22.55058	0.99399	0.85927	0.92431	0.99399	0.85898	0.92414
44	3	21.90912	26.63112	0.99339	0.82082	0.90160	0.99339	0.82042	0.90135	19.41702	22.52338	0.99399	0.86025	0.92487	0.99399	0.85995	0.92470
44	4	21.90912	26.57806	0.99339	0.82237	0.90253	0.99339	0.82194	0.90227	19.41702	22.49433	0.99399	0.86127	0.92546	0.99399	0.86096	0.92528
44	5	21.90912	26.52283	0.99339	0.82397	0.90349	0.99339	0.82353	0.90323	19.41702	22.46379	0.99399	0.86234	0.92608	0.99399	0.86201	0.92589
44	6	21.90912	26.46539	0.99339	0.82564	0.90450	0.99339	0.82518	0.90422	19.41702	22.43176	0.99399	0.86346	0.92673	0.99399	0.86312	0.92653
44	7	21.90912	26.40551	0.99339	0.82738	0.90554	0.99339	0.82689	0.90524	19.41702	22.39806	0.99399	0.86463	0.92740	0.99399	0.86427	0.92719
44	8	21.90912	26.34335	0.99339	0.82918	0.90661	0.99339	0.82866	0.90631	19.41702	22.36278	0.99399	0.86585	0.92810	0.99399	0.86547	0.92788
44	9	21.90912	26.27867	0.99339	0.83105	0.90773	0.99339	0.83051	0.90741	19.41702	22.32575	0.99399	0.86712	0.92883	0.99399	0.86672	0.92860
44	10	21.90912	26.21121	0.99339	0.83299	0.90889	0.99339	0.83242	0.90855	19.41702	22.28674	0.99399	0.86845	0.92960	0.99399	0.86803	0.92935

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>	<u>Retiree Annuity</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>
44	11	21.90912	26.14141	0.99339	0.83501	0.91009	0.99339	0.83440	0.90972	19.41702	22.24611	0.99399	0.86984	0.93039	0.99399	0.86939	0.93013
44	12	21.90912	26.06892	0.99339	0.83710	0.91133	0.99339	0.83645	0.91094	19.41702	22.20360	0.99399	0.87129	0.93122	0.99399	0.87081	0.93095
44	13	21.90912	25.99388	0.99339	0.83927	0.91261	0.99339	0.83858	0.91221	19.41702	22.15929	0.99399	0.87280	0.93208	0.99399	0.87229	0.93179
44	14	21.90912	25.91617	0.99339	0.84152	0.91394	0.99339	0.84079	0.91351	19.41702	22.11310	0.99399	0.87437	0.93297	0.99399	0.87383	0.93267
44	15	21.90912	25.83587	0.99339	0.84384	0.91531	0.99339	0.84307	0.91486	19.41702	22.06509	0.99399	0.87600	0.93390	0.99399	0.87544	0.93358
44	16	21.90912	25.75319	0.99339	0.84625	0.91672	0.99339	0.84544	0.91625	19.41702	22.01544	0.99399	0.87770	0.93487	0.99399	0.87711	0.93453
44	17	21.90912	25.66857	0.99339	0.84874	0.91818	0.99339	0.84788	0.91768	19.41702	21.96453	0.99399	0.87947	0.93587	0.99399	0.87884	0.93552
44	18	21.90912	25.58235	0.99339	0.85131	0.91968	0.99339	0.85042	0.91916	19.41702	21.91267	0.99399	0.88130	0.93690	0.99399	0.88065	0.93654
44	19	21.90912	25.49361	0.99339	0.85396	0.92123	0.99339	0.85303	0.92069	19.41702	21.85907	0.99399	0.88319	0.93797	0.99399	0.88252	0.93759
44	20	21.90912	25.40164	0.99339	0.85671	0.92282	0.99339	0.85574	0.92226	19.41702	21.80312	0.99399	0.88517	0.93909	0.99399	0.88447	0.93869
44	21	21.90912	25.30562	0.99339	0.85954	0.92447	0.99339	0.85853	0.92388	19.41702	21.74411	0.99399	0.88722	0.94024	0.99399	0.88648	0.93983
44	22	21.90912	25.20517	0.99339	0.86248	0.92616	0.99339	0.86140	0.92554	19.41702	21.68171	0.99399	0.88934	0.94143	0.99399	0.88857	0.94100
44	23	21.90912	25.09967	0.99339	0.86551	0.92791	0.99339	0.86437	0.92725	19.41702	21.61537	0.99399	0.89155	0.94267	0.99399	0.89073	0.94221
44	24	21.90912	24.98936	0.99339	0.86864	0.92970	0.99339	0.86742	0.92900	19.41702	21.54528	0.99399	0.89384	0.94395	0.99399	0.89297	0.94346
44	25	21.90912	24.87419	0.99339	0.87186	0.93155	0.99339	0.87055	0.93080	19.41702	21.47137	0.99399	0.89621	0.94527	0.99399	0.89527	0.94474
44	26	21.90912	24.75420	0.99339	0.87517	0.93343	0.99339	0.87376	0.93263	19.41702	21.39367	0.99399	0.89866	0.94662	0.99399	0.89765	0.94606
44	27	21.90912	24.62994	0.99339	0.87857	0.93536	0.99339	0.87706	0.93450	19.41702	21.31262	0.99399	0.90118	0.94802	0.99399	0.90009	0.94742
44	28	21.90912	24.50119	0.99339	0.88205	0.93733	0.99339	0.88043	0.93641	19.41702	21.22804	0.99399	0.90377	0.94945	0.99399	0.90260	0.94881
44	29	21.90912	24.36788	0.99339	0.88561	0.93933	0.99339	0.88387	0.93835	19.41702	21.13984	0.99399	0.90642	0.95091	0.99399	0.90518	0.95023
44	30	21.90912	24.23009	0.99339	0.88924	0.94137	0.99339	0.88737	0.94033	19.41702	21.04806	0.99399	0.90914	0.95241	0.99399	0.90781	0.95168
44	31	21.90912	24.08752	0.99339	0.89293	0.94344	0.99339	0.89093	0.94232	19.41702	20.95246	0.99399	0.91192	0.95393	0.99399	0.91049	0.95315
44	32	21.90912	23.94006	0.99339	0.89668	0.94553	0.99339	0.89455	0.94434	19.41702	20.85289	0.99399	0.91476	0.95548	0.99399	0.91323	0.95465
44	33	21.90912	23.78740	0.99339	0.90048	0.94763	0.99339	0.89821	0.94637	19.41702	20.74907	0.99399	0.91764	0.95705	0.99399	0.91601	0.95616
44	34	21.90912	23.62942	0.99339	0.90432	0.94976	0.99339	0.90190	0.94842	19.41702	20.64088	0.99399	0.92057	0.95864	0.99399	0.91883	0.95770
44	35	21.90912	23.46579	0.99339	0.90819	0.95189	0.99339	0.90562	0.95047	19.41702	20.52800	0.99399	0.92352	0.96024	0.99399	0.92167	0.95924
44	36	21.90912	23.29632	0.99339	0.91208	0.95402	0.99339	0.90934	0.95252	19.41702	20.41023	0.99399	0.92651	0.96185	0.99399	0.92454	0.96079
44	37	21.90912	23.12089	0.99339	0.91597	0.95614	0.99339	0.91307	0.95456	19.41702	20.28745	0.99399	0.92951	0.96347	0.99399	0.92741	0.96234
44	38	21.90912	22.93911	0.99339	0.91986	0.95825	0.99339	0.91678	0.95659	19.41702	20.15926	0.99399	0.93251	0.96508	0.99399	0.93029	0.96389
44	39	21.90912	22.75087	0.99339	0.92372	0.96035	0.99339	0.92047	0.95859	19.41702	20.02555	0.99399	0.93551	0.96668	0.99399	0.93316	0.96543
44	40	21.90912	22.55572	0.99339	0.92755	0.96241	0.99339	0.92413	0.96057	19.41702	19.88587	0.99399	0.93850	0.96827	0.99399	0.93602	0.96695
44	41	21.90912	22.35340	0.99339	0.93133	0.96444	0.99339	0.92773	0.96251	19.41702	19.73995	0.99399	0.94146	0.96985	0.99399	0.93884	0.96845
44	42	21.90912	22.14385	0.99339	0.93504	0.96643	0.99339	0.93127	0.96441	19.41702	19.58769	0.99399	0.94439	0.97140	0.99399	0.94162	0.96993
44	43	21.90912	21.92669	0.99339	0.93868	0.96837	0.99339	0.93473	0.96626	19.41702	19.42870	0.99399	0.94726	0.97292	0.99399	0.94436	0.97138
44	44	21.90912	21.70178	0.99339	0.94223	0.97026	0.99339	0.93810	0.96806	19.41702	19.26280	0.99399	0.95009	0.97440	0.99399	0.94704	0.97280
44	45	21.90912	21.46876	0.99339	0.94568	0.97208	0.99339	0.94139	0.96981	19.41702	19.08963	0.99399	0.95284	0.97585	0.99399	0.94966	0.97418
44	46	21.90912	21.22763	0.99339	0.94902	0.97385	0.99339	0.94456	0.97149	19.41702	18.90911	0.99399	0.95552	0.97726	0.99399	0.95220	0.97552
44	47	21.90912	20.97813	0.99339	0.95225	0.97554	0.99339	0.94763	0.97311	19.41702	18.72094	0.99399	0.95812	0.97861	0.99399	0.95467	0.97681
44	48	21.90912	20.72003	0.99339	0.95534	0.97716	0.99339	0.95057	0.97466	19.41702	18.52488	0.99399	0.96063	0.97992	0.99399	0.95705	0.97805
44	49	21.90912	20.45326	0.99339	0.95831	0.97871	0.99339	0.95340	0.97614	19.41702	18.32076	0.99399	0.96305	0.98118	0.99399	0.95934	0.97925
44	50	21.90912	20.17742	0.99339	0.96114	0.98018	0.99339	0.95610	0.97756	19.41702	18.10816	0.99399	0.96538	0.98238	0.99399	0.96154	0.98039
44	51	21.90912	19.89339	0.99339	0.96383	0.98158	0.99339	0.95867	0.97890	19.41702	17.88781	0.99399	0.96760	0.98353	0.99399	0.96365	0.98149

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
44	52	21.90912	19.60122	0.99339	0.96638	0.98290	0.99339	0.96112	0.98017	19.41702	17.65967	0.99399	0.96972	0.98463	0.99399	0.96567	0.98253				
44	53	21.90912	19.30125	0.99339	0.96880	0.98415	0.99339	0.96344	0.98138	19.41702	17.42398	0.99399	0.97174	0.98567	0.99399	0.96759	0.98353				
44	54	21.90912	18.99375	0.99339	0.97107	0.98532	0.99339	0.96564	0.98252	19.41702	17.18091	0.99399	0.97365	0.98665	0.99399	0.96942	0.98447				
44	55	21.90912	18.67912	0.99339	0.97321	0.98642	0.99339	0.96772	0.98359	19.41702	16.93076	0.99399	0.97547	0.98758	0.99399	0.97116	0.98537				
44	56	21.90912	18.35803	0.99339	0.97522	0.98746	0.99339	0.96968	0.98461	19.41702	16.67407	0.99399	0.97718	0.98846	0.99399	0.97281	0.98622				
44	57	21.90912	18.02853	0.99339	0.97711	0.98842	0.99339	0.97153	0.98556	19.41702	16.40902	0.99399	0.97880	0.98929	0.99399	0.97437	0.98702				
44	58	21.90912	17.69065	0.99339	0.97888	0.98933	0.99339	0.97328	0.98646	19.41702	16.13552	0.99399	0.98033	0.99007	0.99399	0.97586	0.98778				
44	59	21.90912	17.34441	0.99339	0.98054	0.99017	0.99339	0.97493	0.98730	19.41702	15.85354	0.99399	0.98178	0.99080	0.99399	0.97726	0.98850				
44	60	21.90912	16.98967	0.99339	0.98209	0.99096	0.99339	0.97648	0.98810	19.41702	15.56284	0.99399	0.98313	0.99150	0.99399	0.97860	0.98918				
44	61	21.90912	16.62627	0.99339	0.98354	0.99170	0.99339	0.97794	0.98885	19.41702	15.26320	0.99399	0.98441	0.99215	0.99399	0.97986	0.98983				
44	62	21.90912	16.25423	0.99339	0.98489	0.99239	0.99339	0.97932	0.98955	19.41702	14.95454	0.99399	0.98562	0.99276	0.99399	0.98105	0.99044				
44	63	21.90912	15.87341	0.99339	0.98615	0.99303	0.99339	0.98062	0.99021	19.41702	14.63664	0.99399	0.98675	0.99333	0.99399	0.98219	0.99101				
44	64	21.90912	15.48353	0.99339	0.98733	0.99362	0.99339	0.98184	0.99084	19.41702	14.30913	0.99399	0.98781	0.99387	0.99399	0.98326	0.99156				
44	65	21.90912	15.08480	0.99339	0.98843	0.99418	0.99339	0.98300	0.99143	19.41702	13.97213	0.99399	0.98881	0.99438	0.99399	0.98428	0.99208				
44	66	21.90912	14.67724	0.99339	0.98945	0.99470	0.99339	0.98409	0.99198	19.41702	13.62552	0.99399	0.98975	0.99485	0.99399	0.98524	0.99257				
44	67	21.90912	14.26104	0.99339	0.99041	0.99518	0.99339	0.98512	0.99250	19.41702	13.26940	0.99399	0.99063	0.99529	0.99399	0.98616	0.99303				
44	68	21.90912	13.83657	0.99339	0.99129	0.99563	0.99339	0.98609	0.99300	19.41702	12.90401	0.99399	0.99146	0.99571	0.99399	0.98703	0.99347				
44	69	21.90912	13.40435	0.99339	0.99212	0.99604	0.99339	0.98701	0.99346	19.41702	12.52973	0.99399	0.99223	0.99610	0.99399	0.98786	0.99389				
44	70	21.90912	12.96501	0.99339	0.99288	0.99643	0.99339	0.98788	0.99390	19.41702	12.14706	0.99399	0.99295	0.99646	0.99399	0.98864	0.99429				
44	71	21.90912	12.51927	0.99339	0.99359	0.99678	0.99339	0.98871	0.99432	19.41702	11.75658	0.99399	0.99362	0.99680	0.99399	0.98939	0.99467				
44	72	21.90912	12.06792	0.99339	0.99424	0.99711	0.99339	0.98948	0.99471	19.41702	11.35893	0.99399	0.99424	0.99711	0.99399	0.99010	0.99502				
44	73	21.90912	11.61185	0.99339	0.99484	0.99742	0.99339	0.99022	0.99509	19.41702	10.95491	0.99399	0.99482	0.99740	0.99399	0.99077	0.99536				
44	74	21.90912	11.15217	0.99339	0.99540	0.99769	0.99339	0.99092	0.99544	19.41702	10.54549	0.99399	0.99535	0.99767	0.99399	0.99140	0.99568				
44	75	21.90912	10.68986	0.99339	0.99590	0.99795	0.99339	0.99157	0.99577	19.41702	10.13154	0.99399	0.99585	0.99792	0.99399	0.99201	0.99599				
44	76	21.90912	10.22626	0.99339	0.99637	0.99818	0.99339	0.99219	0.99608	19.41702	9.71428	0.99399	0.99630	0.99815	0.99399	0.99258	0.99628				
44	77	21.90912	9.76277	0.99339	0.99679	0.99839	0.99339	0.99277	0.99637	19.41702	9.29502	0.99399	0.99672	0.99836	0.99399	0.99312	0.99655				
44	78	21.90912	9.30064	0.99339	0.99717	0.99858	0.99339	0.99332	0.99665	19.41702	8.87492	0.99399	0.99710	0.99855	0.99399	0.99363	0.99680				
44	79	21.90912	8.84103	0.99339	0.99752	0.99876	0.99339	0.99384	0.99691	19.41702	8.45509	0.99399	0.99744	0.99872	0.99399	0.99410	0.99704				
44	80	21.90912	8.38551	0.99339	0.99783	0.99891	0.99339	0.99432	0.99715	19.41702	8.03703	0.99399	0.99775	0.99887	0.99399	0.99455	0.99727				
44	81	21.90912	7.93532	0.99339	0.99811	0.99905	0.99339	0.99476	0.99738	19.41702	7.62196	0.99399	0.99803	0.99901	0.99399	0.99497	0.99748				
44	82	21.90912	7.49211	0.99339	0.99836	0.99918	0.99339	0.99518	0.99759	19.41702	7.21152	0.99399	0.99828	0.99914	0.99399	0.99537	0.99768				
44	83	21.90912	7.05756	0.99339	0.99858	0.99929	0.99339	0.99557	0.99778	19.41702	6.80735	0.99399	0.99851	0.99925	0.99399	0.99573	0.99786				
44	84	21.90912	6.63342	0.99339	0.99877	0.99938	0.99339	0.99593	0.99796	19.41702	6.41122	0.99399	0.99870	0.99935	0.99399	0.99607	0.99803				
44	85	21.90912	6.22156	0.99339	0.99894	0.99947	0.99339	0.99626	0.99813	19.41702	6.02503	0.99399	0.99888	0.99944	0.99399	0.99638	0.99819				
44	86	21.90912	5.82374	0.99339	0.99909	0.99954	0.99339	0.99657	0.99828	19.41702	5.65055	0.99399	0.99903	0.99952	0.99399	0.99667	0.99833				
44	87	21.90912	5.44155	0.99339	0.99922	0.99961	0.99339	0.99685	0.99842	19.41702	5.28949	0.99399	0.99917	0.99958	0.99399	0.99694	0.99847				
44	88	21.90912	5.07613	0.99339	0.99933	0.99966	0.99339	0.99710	0.99855	19.41702	4.94306	0.99399	0.99928	0.99964	0.99399	0.99718	0.99859				
44	89	21.90912	4.72862	0.99339	0.99943	0.99971	0.99339	0.99734	0.99867	19.41702	4.61250	0.99399	0.99938	0.99969	0.99399	0.99741	0.99870				
44	90	21.90912	4.40007	0.99339	0.99951	0.99975	0.99339	0.99755	0.99877	19.41702	4.29901	0.99399	0.99947	0.99974	0.99399	0.99761	0.99880				
44	91	21.90912	4.09149	0.99339	0.99958	0.99979	0.99339	0.99775	0.99887	19.41702	4.00370	0.99399	0.99955	0.99977	0.99399	0.99780	0.99890				
44	92	21.90912	3.80354	0.99339	0.99964	0.99982	0.99339	0.99792	0.99896	19.41702	3.72738	0.99399	0.99961	0.99980	0.99399	0.99797	0.99898				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Retiree		Beneficiary	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Age	Age	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Factor	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor
44	93	21.90912	3.53621	0.99339	0.99969	0.99985	0.99339	0.99808	0.99904		19.41702	3.47020	0.99399	0.99966	0.99983	0.99399	0.99812	0.99906
44	94	21.90912	3.28870	0.99339	0.99973	0.99987	0.99339	0.99823	0.99911		19.41702	3.23152	0.99399	0.99971	0.99986	0.99399	0.99826	0.99913
44	95	21.90912	3.05955	0.99339	0.99977	0.99989	0.99339	0.99836	0.99918		19.41702	3.01004	0.99399	0.99975	0.99988	0.99399	0.99839	0.99920
44	96	21.90912	2.84646	0.99339	0.99980	0.99990	0.99339	0.99848	0.99924		19.41702	2.80360	0.99399	0.99978	0.99989	0.99399	0.99851	0.99925
44	97	21.90912	2.65226	0.99339	0.99983	0.99991	0.99339	0.99859	0.99930		19.41702	2.61510	0.99399	0.99981	0.99991	0.99399	0.99861	0.99931
44	98	21.90912	2.47567	0.99339	0.99985	0.99993	0.99339	0.99869	0.99934		19.41702	2.44340	0.99399	0.99984	0.99992	0.99399	0.99871	0.99936
44	99	21.90912	2.31535	0.99339	0.99987	0.99994	0.99339	0.99878	0.99939		19.41702	2.28724	0.99399	0.99986	0.99993	0.99399	0.99880	0.99940
44	100	21.90912	2.16976	0.99339	0.99989	0.99994	0.99339	0.99886	0.99943		19.41702	2.14523	0.99399	0.99988	0.99994	0.99399	0.99888	0.99944
44	101	21.90912	2.03734	0.99339	0.99990	0.99995	0.99339	0.99894	0.99947		19.41702	2.01587	0.99399	0.99989	0.99995	0.99399	0.99895	0.99947
44	102	21.90912	1.91714	0.99339	0.99991	0.99996	0.99339	0.99900	0.99950		19.41702	1.89830	0.99399	0.99990	0.99995	0.99399	0.99902	0.99951
44	103	21.90912	1.80800	0.99339	0.99992	0.99996	0.99339	0.99906	0.99953		19.41702	1.79140	0.99399	0.99991	0.99996	0.99399	0.99908	0.99954
44	104	21.90912	1.70943	0.99339	0.99993	0.99997	0.99339	0.99912	0.99956		19.41702	1.69474	0.99399	0.99992	0.99996	0.99399	0.99913	0.99956
44	105	21.90912	1.62048	0.99339	0.99994	0.99997	0.99339	0.99917	0.99958		19.41702	1.60741	0.99399	0.99993	0.99997	0.99399	0.99918	0.99959
44	106	21.90912	1.54080	0.99339	0.99994	0.99997	0.99339	0.99921	0.99961		19.41702	1.52911	0.99399	0.99994	0.99997	0.99399	0.99922	0.99961
44	107	21.90912	1.47009	0.99339	0.99995	0.99997	0.99339	0.99925	0.99963		19.41702	1.45954	0.99399	0.99994	0.99997	0.99399	0.99926	0.99963
44	108	21.90912	1.40861	0.99339	0.99995	0.99998	0.99339	0.99928	0.99964		19.41702	1.39898	0.99399	0.99995	0.99997	0.99399	0.99929	0.99965
44	109	21.90912	1.35764	0.99339	0.99996	0.99998	0.99339	0.99931	0.99965		19.41702	1.34871	0.99399	0.99995	0.99998	0.99399	0.99932	0.99966
44	110	21.90912	1.32125	0.99339	0.99996	0.99998	0.99339	0.99932	0.99966		19.41702	1.31279	0.99399	0.99995	0.99998	0.99399	0.99933	0.99967
45	1	21.68261	26.72925	0.99267	0.80953	0.89474	0.99267	0.80913	0.89450		19.24969	22.57586	0.99332	0.85100	0.91950	0.99332	0.85071	0.91933
45	2	21.68261	26.68154	0.99267	0.81094	0.89560	0.99267	0.81054	0.89536		19.24969	22.55058	0.99332	0.85192	0.92004	0.99332	0.85163	0.91987
45	3	21.68261	26.63112	0.99267	0.81241	0.89650	0.99267	0.81200	0.89625		19.24969	22.52338	0.99332	0.85290	0.92061	0.99332	0.85259	0.92043
45	4	21.68261	26.57806	0.99267	0.81395	0.89743	0.99267	0.81352	0.89717		19.24969	22.49433	0.99332	0.85391	0.92120	0.99332	0.85360	0.92102
45	5	21.68261	26.52283	0.99267	0.81554	0.89840	0.99267	0.81510	0.89813		19.24969	22.46379	0.99332	0.85498	0.92182	0.99332	0.85465	0.92163
45	6	21.68261	26.46539	0.99267	0.81720	0.89941	0.99267	0.81673	0.89912		19.24969	22.43176	0.99332	0.85609	0.92247	0.99332	0.85575	0.92227
45	7	21.68261	26.40551	0.99267	0.81892	0.90045	0.99267	0.81843	0.90015		19.24969	22.39806	0.99332	0.85726	0.92314	0.99332	0.85690	0.92293
45	8	21.68261	26.34335	0.99267	0.82071	0.90153	0.99267	0.82020	0.90122		19.24969	22.36278	0.99332	0.85848	0.92385	0.99332	0.85810	0.92363
45	9	21.68261	26.27867	0.99267	0.82258	0.90265	0.99267	0.82203	0.90232		19.24969	22.32575	0.99332	0.85975	0.92459	0.99332	0.85935	0.92435
45	10	21.68261	26.21121	0.99267	0.82451	0.90382	0.99267	0.82393	0.90347		19.24969	22.28674	0.99332	0.86108	0.92535	0.99332	0.86065	0.92511
45	11	21.68261	26.14141	0.99267	0.82652	0.90502	0.99267	0.82591	0.90465		19.24969	22.24611	0.99332	0.86246	0.92615	0.99332	0.86201	0.92589
45	12	21.68261	26.06892	0.99267	0.82860	0.90627	0.99267	0.82795	0.90588		19.24969	22.20360	0.99332	0.86391	0.92699	0.99332	0.86343	0.92671
45	13	21.68261	25.99388	0.99267	0.83076	0.90756	0.99267	0.83007	0.90715		19.24969	22.15929	0.99332	0.86542	0.92785	0.99332	0.86491	0.92756
45	14	21.68261	25.91617	0.99267	0.83300	0.90889	0.99267	0.83227	0.90846		19.24969	22.11310	0.99332	0.86699	0.92876	0.99332	0.86645	0.92845
45	15	21.68261	25.83587	0.99267	0.83532	0.91027	0.99267	0.83455	0.90982		19.24969	22.06509	0.99332	0.86863	0.92970	0.99332	0.86806	0.92937
45	16	21.68261	25.75319	0.99267	0.83773	0.91170	0.99267	0.83691	0.91122		19.24969	22.01544	0.99332	0.87033	0.93067	0.99332	0.86973	0.93032
45	17	21.68261	25.66857	0.99267	0.84021	0.91317	0.99267	0.83936	0.91266		19.24969	21.96453	0.99332	0.87210	0.93168	0.99332	0.87146	0.93132
45	18	21.68261	25.58235	0.99267	0.84278	0.91468	0.99267	0.84189	0.91416		19.24969	21.91267	0.99332	0.87393	0.93272	0.99332	0.87327	0.93235
45	19	21.68261	25.49361	0.99267	0.84543	0.91624	0.99267	0.84451	0.91570		19.24969	21.85907	0.99332	0.87583	0.93381	0.99332	0.87515	0.93342
45	20	21.68261	25.40164	0.99267	0.84818	0.91786	0.99267	0.84721	0.91729		19.24969	21.80312	0.99332	0.87781	0.93493	0.99332	0.87711	0.93453
45	21	21.68261	25.30562	0.99267	0.85103	0.91952	0.99267	0.85001	0.91892		19.24969	21.74411	0.99332	0.87987	0.93610	0.99332	0.87914	0.93568
45	22	21.68261	25.20517	0.99267	0.85397	0.92123	0.99267	0.85290	0.92061		19.24969	21.68171	0.99332	0.88202	0.93731	0.99332	0.88124	0.93687
45	23	21.68261	25.09967	0.99267	0.85702	0.92300	0.99267	0.85588	0.92234		19.24969	21.61537	0.99332	0.88424	0.93857	0.99332	0.88342	0.93810

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
45	24	21.68261	24.98936	0.99267	0.86016	0.92483	0.99267	0.85894	0.92412	19.24969	21.54528	0.99332	0.88656	0.93987	0.99332	0.88567	0.93937
45	25	21.68261	24.87419	0.99267	0.86341	0.92670	0.99267	0.86210	0.92594	19.24969	21.47137	0.99332	0.88895	0.94121	0.99332	0.88800	0.94068
45	26	21.68261	24.75420	0.99267	0.86675	0.92862	0.99267	0.86535	0.92781	19.24969	21.39367	0.99332	0.89143	0.94260	0.99332	0.89041	0.94203
45	27	21.68261	24.62994	0.99267	0.87019	0.93059	0.99267	0.86867	0.92972	19.24969	21.31262	0.99332	0.89398	0.94402	0.99332	0.89289	0.94341
45	28	21.68261	24.50119	0.99267	0.87371	0.93260	0.99267	0.87209	0.93167	19.24969	21.22804	0.99332	0.89661	0.94549	0.99332	0.89544	0.94483
45	29	21.68261	24.36788	0.99267	0.87732	0.93465	0.99267	0.87558	0.93366	19.24969	21.13984	0.99332	0.89932	0.94699	0.99332	0.89806	0.94629
45	30	21.68261	24.23009	0.99267	0.88101	0.93674	0.99267	0.87914	0.93569	19.24969	21.04806	0.99332	0.90210	0.94853	0.99332	0.90074	0.94778
45	31	21.68261	24.08752	0.99267	0.88478	0.93887	0.99267	0.88278	0.93774	19.24969	20.95246	0.99332	0.90494	0.95010	0.99332	0.90349	0.94930
45	32	21.68261	23.94006	0.99267	0.88862	0.94102	0.99267	0.88647	0.93982	19.24969	20.85289	0.99332	0.90785	0.95170	0.99332	0.90630	0.95085
45	33	21.68261	23.78740	0.99267	0.89251	0.94320	0.99267	0.89022	0.94192	19.24969	20.74907	0.99332	0.91081	0.95333	0.99332	0.90916	0.95242
45	34	21.68261	23.62942	0.99267	0.89646	0.94540	0.99267	0.89402	0.94404	19.24969	20.64088	0.99332	0.91383	0.95498	0.99332	0.91206	0.95401
45	35	21.68261	23.46579	0.99267	0.90046	0.94762	0.99267	0.89785	0.94618	19.24969	20.52800	0.99332	0.91689	0.95665	0.99332	0.91501	0.95562
45	36	21.68261	23.29632	0.99267	0.90448	0.94985	0.99267	0.90171	0.94831	19.24969	20.41023	0.99332	0.91999	0.95833	0.99332	0.91798	0.95724
45	37	21.68261	23.12089	0.99267	0.90853	0.95207	0.99267	0.90558	0.95045	19.24969	20.28745	0.99332	0.92312	0.96002	0.99332	0.92098	0.95886
45	38	21.68261	22.93911	0.99267	0.91258	0.95429	0.99267	0.90945	0.95258	19.24969	20.15926	0.99332	0.92626	0.96172	0.99332	0.92399	0.96049
45	39	21.68261	22.75087	0.99267	0.91662	0.95650	0.99267	0.91331	0.95469	19.24969	20.02555	0.99332	0.92941	0.96342	0.99332	0.92700	0.96212
45	40	21.68261	22.55572	0.99267	0.92065	0.95869	0.99267	0.91715	0.95678	19.24969	19.88587	0.99332	0.93256	0.96510	0.99332	0.93000	0.96373
45	41	21.68261	22.35340	0.99267	0.92464	0.96084	0.99267	0.92094	0.95885	19.24969	19.73995	0.99332	0.93570	0.96678	0.99332	0.93298	0.96533
45	42	21.68261	22.14385	0.99267	0.92858	0.96297	0.99267	0.92469	0.96087	19.24969	19.58769	0.99332	0.93880	0.96844	0.99332	0.93594	0.96691
45	43	21.68261	21.92669	0.99267	0.93246	0.96505	0.99267	0.92837	0.96285	19.24969	19.42870	0.99332	0.94187	0.97007	0.99332	0.93886	0.96846
45	44	21.68261	21.70178	0.99267	0.93625	0.96708	0.99267	0.93197	0.96479	19.24969	19.26280	0.99332	0.94490	0.97167	0.99332	0.94172	0.96999
45	45	21.68261	21.46876	0.99267	0.93996	0.96905	0.99267	0.93549	0.96667	19.24969	19.08963	0.99332	0.94786	0.97323	0.99332	0.94453	0.97147
45	46	21.68261	21.22763	0.99267	0.94356	0.97096	0.99267	0.93890	0.96849	19.24969	18.90911	0.99332	0.95075	0.97476	0.99332	0.94727	0.97292
45	47	21.68261	20.97813	0.99267	0.94705	0.97280	0.99267	0.94221	0.97024	19.24969	18.72094	0.99332	0.95357	0.97623	0.99332	0.94994	0.97433
45	48	21.68261	20.72003	0.99267	0.95041	0.97458	0.99267	0.94540	0.97193	19.24969	18.52488	0.99332	0.95630	0.97766	0.99332	0.95252	0.97568
45	49	21.68261	20.45326	0.99267	0.95365	0.97627	0.99267	0.94847	0.97355	19.24969	18.32076	0.99332	0.95894	0.97904	0.99332	0.95502	0.97699
45	50	21.68261	20.17742	0.99267	0.95674	0.97789	0.99267	0.95141	0.97510	19.24969	18.10816	0.99332	0.96149	0.98037	0.99332	0.95742	0.97825
45	51	21.68261	19.89339	0.99267	0.95970	0.97943	0.99267	0.95423	0.97658	19.24969	17.88781	0.99332	0.96393	0.98163	0.99332	0.95973	0.97945
45	52	21.68261	19.60122	0.99267	0.96251	0.98090	0.99267	0.95691	0.97798	19.24969	17.65967	0.99332	0.96626	0.98284	0.99332	0.96194	0.98060
45	53	21.68261	19.30125	0.99267	0.96517	0.98228	0.99267	0.95946	0.97931	19.24969	17.42398	0.99332	0.96849	0.98399	0.99332	0.96405	0.98170
45	54	21.68261	18.99375	0.99267	0.96769	0.98358	0.99267	0.96188	0.98057	19.24969	17.18091	0.99332	0.97061	0.98508	0.99332	0.96607	0.98274
45	55	21.68261	18.67912	0.99267	0.97006	0.98480	0.99267	0.96418	0.98176	19.24969	16.93076	0.99332	0.97262	0.98612	0.99332	0.96799	0.98373
45	56	21.68261	18.35803	0.99267	0.97230	0.98595	0.99267	0.96635	0.98289	19.24969	16.67407	0.99332	0.97452	0.98710	0.99332	0.96981	0.98468
45	57	21.68261	18.02853	0.99267	0.97440	0.98703	0.99267	0.96840	0.98395	19.24969	16.40902	0.99332	0.97632	0.98802	0.99332	0.97155	0.98557
45	58	21.68261	17.69065	0.99267	0.97637	0.98804	0.99267	0.97033	0.98494	19.24969	16.13552	0.99332	0.97802	0.98889	0.99332	0.97319	0.98641
45	59	21.68261	17.34441	0.99267	0.97821	0.98899	0.99267	0.97216	0.98588	19.24969	15.85354	0.99332	0.97963	0.98971	0.99332	0.97475	0.98721
45	60	21.68261	16.98967	0.99267	0.97994	0.98987	0.99267	0.97388	0.98677	19.24969	15.56284	0.99332	0.98114	0.99048	0.99332	0.97623	0.98797
45	61	21.68261	16.62627	0.99267	0.98156	0.99069	0.99267	0.97550	0.98760	19.24969	15.26320	0.99332	0.98257	0.99121	0.99332	0.97763	0.98869
45	62	21.68261	16.25423	0.99267	0.98307	0.99146	0.99267	0.97703	0.98838	19.24969	14.95454	0.99332	0.98391	0.99189	0.99332	0.97895	0.98936
45	63	21.68261	15.87341	0.99267	0.98448	0.99218	0.99267	0.97847	0.98912	19.24969	14.63664	0.99332	0.98517	0.99253	0.99332	0.98021	0.99000
45	64	21.68261	15.48353	0.99267	0.98580	0.99285	0.99267	0.97982	0.98981	19.24969	14.30913	0.99332	0.98636	0.99313	0.99332	0.98140	0.99061

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
45	65	21.68261	15.08480	0.99267	0.98702	0.99347	0.99267	0.98110	0.99046		19.24969	13.97213	0.99332	0.98747	0.99370	0.99332	0.98252	0.99119		
45	66	21.68261	14.67724	0.99267	0.98817	0.99405	0.99267	0.98231	0.99108		19.24969	13.62552	0.99332	0.98852	0.99423	0.99332	0.98359	0.99173		
45	67	21.68261	14.26104	0.99267	0.98923	0.99459	0.99267	0.98345	0.99166		19.24969	13.26940	0.99332	0.98950	0.99472	0.99332	0.98461	0.99224		
45	68	21.68261	13.83657	0.99267	0.99022	0.99509	0.99267	0.98453	0.99220		19.24969	12.90401	0.99332	0.99042	0.99519	0.99332	0.98557	0.99273		
45	69	21.68261	13.40435	0.99267	0.99114	0.99555	0.99267	0.98555	0.99272		19.24969	12.52973	0.99332	0.99128	0.99562	0.99332	0.98648	0.99320		
45	70	21.68261	12.96501	0.99267	0.99200	0.99598	0.99267	0.98651	0.99321		19.24969	12.14706	0.99332	0.99208	0.99603	0.99332	0.98735	0.99364		
45	71	21.68261	12.51927	0.99267	0.99279	0.99638	0.99267	0.98742	0.99367		19.24969	11.75658	0.99332	0.99283	0.99640	0.99332	0.98818	0.99405		
45	72	21.68261	12.06792	0.99267	0.99352	0.99675	0.99267	0.98828	0.99411		19.24969	11.35893	0.99332	0.99353	0.99675	0.99332	0.98896	0.99445		
45	73	21.68261	11.61185	0.99267	0.99419	0.99709	0.99267	0.98909	0.99452		19.24969	10.95491	0.99332	0.99417	0.99708	0.99332	0.98970	0.99482		
45	74	21.68261	11.15217	0.99267	0.99481	0.99740	0.99267	0.98986	0.99491		19.24969	10.54549	0.99332	0.99477	0.99738	0.99332	0.99041	0.99518		
45	75	21.68261	10.68986	0.99267	0.99538	0.99769	0.99267	0.99059	0.99527		19.24969	10.13154	0.99332	0.99533	0.99766	0.99332	0.99108	0.99552		
45	76	21.68261	10.22626	0.99267	0.99590	0.99795	0.99267	0.99128	0.99562		19.24969	9.71428	0.99332	0.99583	0.99791	0.99332	0.99171	0.99584		
45	77	21.68261	9.76277	0.99267	0.99638	0.99819	0.99267	0.99193	0.99595		19.24969	9.29502	0.99332	0.99630	0.99815	0.99332	0.99231	0.99614		
45	78	21.68261	9.30064	0.99267	0.99681	0.99840	0.99267	0.99253	0.99625		19.24969	8.87492	0.99332	0.99673	0.99836	0.99332	0.99288	0.99643		
45	79	21.68261	8.84103	0.99267	0.99720	0.99860	0.99267	0.99311	0.99654		19.24969	8.45509	0.99332	0.99711	0.99855	0.99332	0.99341	0.99669		
45	80	21.68261	8.38551	0.99267	0.99755	0.99877	0.99267	0.99364	0.99681		19.24969	8.03703	0.99332	0.99746	0.99873	0.99332	0.99391	0.99695		
45	81	21.68261	7.93532	0.99267	0.99786	0.99893	0.99267	0.99415	0.99706		19.24969	7.62196	0.99332	0.99778	0.99889	0.99332	0.99438	0.99718		
45	82	21.68261	7.49211	0.99267	0.99814	0.99907	0.99267	0.99462	0.99730		19.24969	7.21152	0.99332	0.99806	0.99903	0.99332	0.99482	0.99740		
45	83	21.68261	7.05756	0.99267	0.99839	0.99920	0.99267	0.99505	0.99752		19.24969	6.80735	0.99332	0.99832	0.99916	0.99332	0.99523	0.99761		
45	84	21.68261	6.63342	0.99267	0.99861	0.99931	0.99267	0.99546	0.99772		19.24969	6.41122	0.99332	0.99854	0.99927	0.99332	0.99562	0.99780		
45	85	21.68261	6.22156	0.99267	0.99881	0.99940	0.99267	0.99583	0.99791		19.24969	6.02503	0.99332	0.99874	0.99937	0.99332	0.99597	0.99798		
45	86	21.68261	5.82374	0.99267	0.99897	0.99949	0.99267	0.99618	0.99809		19.24969	5.65055	0.99332	0.99891	0.99946	0.99332	0.99630	0.99815		
45	87	21.68261	5.44155	0.99267	0.99912	0.99956	0.99267	0.99649	0.99824		19.24969	5.28949	0.99332	0.99907	0.99953	0.99332	0.99660	0.99830		
45	88	21.68261	5.07613	0.99267	0.99925	0.99962	0.99267	0.99679	0.99839		19.24969	4.94306	0.99332	0.99920	0.99960	0.99332	0.99688	0.99844		
45	89	21.68261	4.72862	0.99267	0.99936	0.99968	0.99267	0.99705	0.99852		19.24969	4.61250	0.99332	0.99931	0.99966	0.99332	0.99713	0.99856		
45	90	21.68261	4.40007	0.99267	0.99945	0.99973	0.99267	0.99729	0.99864		19.24969	4.29901	0.99332	0.99941	0.99971	0.99332	0.99736	0.99868		
45	91	21.68261	4.09149	0.99267	0.99953	0.99977	0.99267	0.99751	0.99876		19.24969	4.00370	0.99332	0.99950	0.99975	0.99332	0.99757	0.99879		
45	92	21.68261	3.80354	0.99267	0.99960	0.99980	0.99267	0.99771	0.99886		19.24969	3.72738	0.99332	0.99957	0.99978	0.99332	0.99777	0.99888		
45	93	21.68261	3.53621	0.99267	0.99966	0.99983	0.99267	0.99790	0.99895		19.24969	3.47020	0.99332	0.99963	0.99981	0.99332	0.99794	0.99897		
45	94	21.68261	3.28870	0.99267	0.99971	0.99985	0.99267	0.99806	0.99903		19.24969	3.23152	0.99332	0.99968	0.99984	0.99332	0.99810	0.99905		
45	95	21.68261	3.05955	0.99267	0.99975	0.99987	0.99267	0.99821	0.99910		19.24969	3.01004	0.99332	0.99973	0.99986	0.99332	0.99824	0.99912		
45	96	21.68261	2.84646	0.99267	0.99978	0.99989	0.99267	0.99834	0.99917		19.24969	2.80360	0.99332	0.99976	0.99988	0.99332	0.99837	0.99919		
45	97	21.68261	2.65226	0.99267	0.99981	0.99991	0.99267	0.99847	0.99923		19.24969	2.61510	0.99332	0.99980	0.99990	0.99332	0.99849	0.99925		
45	98	21.68261	2.47567	0.99267	0.99984	0.99992	0.99267	0.99858	0.99929		19.24969	2.44340	0.99332	0.99982	0.99991	0.99332	0.99860	0.99930		
45	99	21.68261	2.31535	0.99267	0.99986	0.99993	0.99267	0.99868	0.99934		19.24969	2.28724	0.99332	0.99985	0.99992	0.99332	0.99870	0.99935		
45	100	21.68261	2.16976	0.99267	0.99988	0.99994	0.99267	0.99877	0.99938		19.24969	2.14523	0.99332	0.99986	0.99993	0.99332	0.99878	0.99939		
45	101	21.68261	2.03734	0.99267	0.99989	0.99995	0.99267	0.99885	0.99942		19.24969	2.01587	0.99332	0.99988	0.99994	0.99332	0.99886	0.99943		
45	102	21.68261	1.91714	0.99267	0.99990	0.99995	0.99267	0.99892	0.99946		19.24969	1.89830	0.99332	0.99990	0.99995	0.99332	0.99894	0.99947		
45	103	21.68261	1.80800	0.99267	0.99992	0.99996	0.99267	0.99899	0.99949		19.24969	1.79140	0.99332	0.99991	0.99995	0.99332	0.99900	0.99950		
45	104	21.68261	1.70943	0.99267	0.99993	0.99996	0.99267	0.99905	0.99952		19.24969	1.69474	0.99332	0.99992	0.99996	0.99332	0.99906	0.99953		
45	105	21.68261	1.62048	0.99267	0.99993	0.99997	0.99267	0.99910	0.99955		19.24969	1.60741	0.99332	0.99993	0.99996	0.99332	0.99911	0.99956		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
45	106	21.68261	1.54080	0.99267	0.99994	0.99997	0.99267	0.99915	0.99958	19.24969	1.52911	0.99332	0.99993	0.99997	0.99332	0.99916	0.99958
45	107	21.68261	1.47009	0.99267	0.99995	0.99997	0.99267	0.99919	0.99960	19.24969	1.45954	0.99332	0.99994	0.99997	0.99332	0.99920	0.99960
45	108	21.68261	1.40861	0.99267	0.99995	0.99997	0.99267	0.99923	0.99961	19.24969	1.39898	0.99332	0.99994	0.99997	0.99332	0.99924	0.99962
45	109	21.68261	1.35764	0.99267	0.99995	0.99998	0.99267	0.99925	0.99963	19.24969	1.34871	0.99332	0.99995	0.99997	0.99332	0.99926	0.99963
45	110	21.68261	1.32125	0.99267	0.99996	0.99998	0.99267	0.99927	0.99964	19.24969	1.31279	0.99332	0.99995	0.99998	0.99332	0.99928	0.99964
46	1	21.44806	26.72925	0.99186	0.80083	0.88940	0.99186	0.80044	0.88916	19.07513	22.57586	0.99255	0.84334	0.91501	0.99255	0.84304	0.91484
46	2	21.44806	26.68154	0.99186	0.80223	0.89027	0.99186	0.80183	0.89002	19.07513	22.55058	0.99255	0.84426	0.91555	0.99255	0.84396	0.91538
46	3	21.44806	26.63112	0.99186	0.80369	0.89116	0.99186	0.80328	0.89091	19.07513	22.52338	0.99255	0.84522	0.91612	0.99255	0.84492	0.91594
46	4	21.44806	26.57806	0.99186	0.80522	0.89210	0.99186	0.80479	0.89184	19.07513	22.49433	0.99255	0.84624	0.91672	0.99255	0.84592	0.91653
46	5	21.44806	26.52283	0.99186	0.80680	0.89307	0.99186	0.80635	0.89280	19.07513	22.46379	0.99255	0.84730	0.91734	0.99255	0.84696	0.91714
46	6	21.44806	26.46539	0.99186	0.80845	0.89408	0.99186	0.80798	0.89379	19.07513	22.43176	0.99255	0.84841	0.91799	0.99255	0.84806	0.91778
46	7	21.44806	26.40551	0.99186	0.81016	0.89513	0.99186	0.80967	0.89483	19.07513	22.39806	0.99255	0.84957	0.91867	0.99255	0.84920	0.91845
46	8	21.44806	26.34335	0.99186	0.81194	0.89621	0.99186	0.81142	0.89590	19.07513	22.36278	0.99255	0.85078	0.91938	0.99255	0.85039	0.91915
46	9	21.44806	26.27867	0.99186	0.81379	0.89734	0.99186	0.81324	0.89700	19.07513	22.32575	0.99255	0.85205	0.92012	0.99255	0.85164	0.91988
46	10	21.44806	26.21121	0.99186	0.81571	0.89851	0.99186	0.81514	0.89815	19.07513	22.28674	0.99255	0.85338	0.92089	0.99255	0.85294	0.92064
46	11	21.44806	26.14141	0.99186	0.81771	0.89972	0.99186	0.81710	0.89934	19.07513	22.24611	0.99255	0.85476	0.92169	0.99255	0.85430	0.92143
46	12	21.44806	26.06892	0.99186	0.81978	0.90097	0.99186	0.81913	0.90058	19.07513	22.20360	0.99255	0.85620	0.92253	0.99255	0.85572	0.92225
46	13	21.44806	25.99388	0.99186	0.82194	0.90227	0.99186	0.82125	0.90185	19.07513	22.15929	0.99255	0.85771	0.92340	0.99255	0.85719	0.92311
46	14	21.44806	25.91617	0.99186	0.82417	0.90361	0.99186	0.82344	0.90317	19.07513	22.11310	0.99255	0.85928	0.92431	0.99255	0.85873	0.92400
46	15	21.44806	25.83587	0.99186	0.82648	0.90500	0.99186	0.82571	0.90453	19.07513	22.06509	0.99255	0.86091	0.92526	0.99255	0.86034	0.92493
46	16	21.44806	25.75319	0.99186	0.82888	0.90643	0.99186	0.82806	0.90595	19.07513	22.01544	0.99255	0.86262	0.92624	0.99255	0.86201	0.92589
46	17	21.44806	25.66857	0.99186	0.83136	0.90791	0.99186	0.83050	0.90740	19.07513	21.96453	0.99255	0.86438	0.92726	0.99255	0.86375	0.92689
46	18	21.44806	25.58235	0.99186	0.83392	0.90944	0.99186	0.83303	0.90891	19.07513	21.91267	0.99255	0.86622	0.92831	0.99255	0.86556	0.92793
46	19	21.44806	25.49361	0.99186	0.83657	0.91101	0.99186	0.83564	0.91046	19.07513	21.85907	0.99255	0.86813	0.92941	0.99255	0.86744	0.92902
46	20	21.44806	25.40164	0.99186	0.83932	0.91264	0.99186	0.83835	0.91207	19.07513	21.80312	0.99255	0.87011	0.93055	0.99255	0.86940	0.93014
46	21	21.44806	25.30562	0.99186	0.84216	0.91432	0.99186	0.84115	0.91372	19.07513	21.74411	0.99255	0.87218	0.93173	0.99255	0.87144	0.93130
46	22	21.44806	25.20517	0.99186	0.84511	0.91606	0.99186	0.84404	0.91543	19.07513	21.68171	0.99255	0.87434	0.93296	0.99255	0.87355	0.93251
46	23	21.44806	25.09967	0.99186	0.84817	0.91785	0.99186	0.84703	0.91718	19.07513	21.61537	0.99255	0.87658	0.93423	0.99255	0.87575	0.93376
46	24	21.44806	24.98936	0.99186	0.85133	0.91969	0.99186	0.85011	0.91899	19.07513	21.54528	0.99255	0.87891	0.93555	0.99255	0.87802	0.93505
46	25	21.44806	24.87419	0.99186	0.85459	0.92160	0.99186	0.85329	0.92084	19.07513	21.47137	0.99255	0.88132	0.93692	0.99255	0.88037	0.93638
46	26	21.44806	24.75420	0.99186	0.85796	0.92355	0.99186	0.85656	0.92274	19.07513	21.39367	0.99255	0.88382	0.93833	0.99255	0.88280	0.93775
46	27	21.44806	24.62994	0.99186	0.86143	0.92555	0.99186	0.85992	0.92468	19.07513	21.31262	0.99255	0.88641	0.93979	0.99255	0.88531	0.93917
46	28	21.44806	24.50119	0.99186	0.86499	0.92761	0.99186	0.86336	0.92667	19.07513	21.22804	0.99255	0.88908	0.94128	0.99255	0.88789	0.94062
46	29	21.44806	24.36788	0.99186	0.86864	0.92970	0.99186	0.86690	0.92870	19.07513	21.13984	0.99255	0.89183	0.94282	0.99255	0.89055	0.94211
46	30	21.44806	24.23009	0.99186	0.87239	0.93184	0.99186	0.87052	0.93078	19.07513	21.04806	0.99255	0.89466	0.94440	0.99255	0.89329	0.94364
46	31	21.44806	24.08752	0.99186	0.87622	0.93403	0.99186	0.87421	0.93288	19.07513	20.95246	0.99255	0.89756	0.94601	0.99255	0.89609	0.94520
46	32	21.44806	23.94006	0.99186	0.88013	0.93624	0.99186	0.87798	0.93502	19.07513	20.85289	0.99255	0.90053	0.94766	0.99255	0.89896	0.94679
46	33	21.44806	23.78740	0.99186	0.88411	0.93849	0.99186	0.88181	0.93719	19.07513	20.74907	0.99255	0.90357	0.94934	0.99255	0.90189	0.94842
46	34	21.44806	23.62942	0.99186	0.88816	0.94077	0.99186	0.88570	0.93939	19.07513	20.64088	0.99255	0.90668	0.95105	0.99255	0.90488	0.95006
46	35	21.44806	23.46579	0.99186	0.89227	0.94307	0.99186	0.88964	0.94160	19.07513	20.52800	0.99255	0.90984	0.95279	0.99255	0.90791	0.95173
46	36	21.44806	23.29632	0.99186	0.89642	0.94538	0.99186	0.89362	0.94382	19.07513	20.41023	0.99255	0.91304	0.95454	0.99255	0.91099	0.95342

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
46	37	21.44806	23.12089	0.99186	0.90061	0.94770	0.99186	0.89762	0.94605	19.07513	20.28745	0.99255	0.91629	0.95632	0.99255	0.91410	0.95512
46	38	21.44806	22.93911	0.99186	0.90482	0.95003	0.99186	0.90164	0.94828	19.07513	20.15926	0.99255	0.91956	0.95810	0.99255	0.91723	0.95683
46	39	21.44806	22.75087	0.99186	0.90903	0.95235	0.99186	0.90566	0.95050	19.07513	20.02555	0.99255	0.92286	0.95988	0.99255	0.92038	0.95854
46	40	21.44806	22.55572	0.99186	0.91325	0.95466	0.99186	0.90967	0.95270	19.07513	19.88587	0.99255	0.92616	0.96167	0.99255	0.92353	0.96024
46	41	21.44806	22.35340	0.99186	0.91744	0.95694	0.99186	0.91366	0.95488	19.07513	19.73995	0.99255	0.92947	0.96344	0.99255	0.92667	0.96194
46	42	21.44806	22.14385	0.99186	0.92160	0.95920	0.99186	0.91761	0.95703	19.07513	19.58769	0.99255	0.93275	0.96521	0.99255	0.92979	0.96362
46	43	21.44806	21.92669	0.99186	0.92571	0.96142	0.99186	0.92150	0.95915	19.07513	19.42870	0.99255	0.93602	0.96695	0.99255	0.93289	0.96528
46	44	21.44806	21.70178	0.99186	0.92975	0.96360	0.99186	0.92533	0.96122	19.07513	19.26280	0.99255	0.93924	0.96867	0.99255	0.93594	0.96691
46	45	21.44806	21.46876	0.99186	0.93372	0.96572	0.99186	0.92908	0.96324	19.07513	19.08963	0.99255	0.94241	0.97035	0.99255	0.93894	0.96851
46	46	21.44806	21.22763	0.99186	0.93758	0.96779	0.99186	0.93274	0.96520	19.07513	18.90911	0.99255	0.94553	0.97200	0.99255	0.94188	0.97007
46	47	21.44806	20.97813	0.99186	0.94134	0.96979	0.99186	0.93629	0.96710	19.07513	18.72094	0.99255	0.94857	0.97360	0.99255	0.94475	0.97159
46	48	21.44806	20.72003	0.99186	0.94498	0.97171	0.99186	0.93974	0.96893	19.07513	18.52488	0.99255	0.95153	0.97516	0.99255	0.94754	0.97307
46	49	21.44806	20.45326	0.99186	0.94850	0.97357	0.99186	0.94306	0.97070	19.07513	18.32076	0.99255	0.95440	0.97667	0.99255	0.95025	0.97449
46	50	21.44806	20.17742	0.99186	0.95188	0.97534	0.99186	0.94626	0.97239	19.07513	18.10816	0.99255	0.95717	0.97812	0.99255	0.95287	0.97587
46	51	21.44806	19.89339	0.99186	0.95511	0.97704	0.99186	0.94933	0.97400	19.07513	17.88781	0.99255	0.95984	0.97951	0.99255	0.95539	0.97719
46	52	21.44806	19.60122	0.99186	0.95819	0.97865	0.99186	0.95226	0.97555	19.07513	17.65967	0.99255	0.96241	0.98084	0.99255	0.95781	0.97845
46	53	21.44806	19.30125	0.99186	0.96113	0.98018	0.99186	0.95506	0.97701	19.07513	17.42398	0.99255	0.96486	0.98212	0.99255	0.96013	0.97966
46	54	21.44806	18.99375	0.99186	0.96391	0.98162	0.99186	0.95772	0.97840	19.07513	17.18091	0.99255	0.96720	0.98333	0.99255	0.96235	0.98081
46	55	21.44806	18.67912	0.99186	0.96654	0.98298	0.99186	0.96024	0.97972	19.07513	16.93076	0.99255	0.96942	0.98447	0.99255	0.96446	0.98191
46	56	21.44806	18.35803	0.99186	0.96901	0.98426	0.99186	0.96264	0.98096	19.07513	16.67407	0.99255	0.97153	0.98556	0.99255	0.96648	0.98295
46	57	21.44806	18.02853	0.99186	0.97135	0.98546	0.99186	0.96490	0.98214	19.07513	16.40902	0.99255	0.97353	0.98659	0.99255	0.96839	0.98394
46	58	21.44806	17.69065	0.99186	0.97354	0.98659	0.99186	0.96704	0.98325	19.07513	16.13552	0.99255	0.97542	0.98756	0.99255	0.97021	0.98488
46	59	21.44806	17.34441	0.99186	0.97559	0.98765	0.99186	0.96907	0.98429	19.07513	15.85354	0.99255	0.97721	0.98847	0.99255	0.97194	0.98577
46	60	21.44806	16.98967	0.99186	0.97752	0.98863	0.99186	0.97097	0.98527	19.07513	15.56284	0.99255	0.97889	0.98933	0.99255	0.97357	0.98661
46	61	21.44806	16.62627	0.99186	0.97933	0.98956	0.99186	0.97277	0.98620	19.07513	15.26320	0.99255	0.98048	0.99015	0.99255	0.97512	0.98741
46	62	21.44806	16.25423	0.99186	0.98101	0.99042	0.99186	0.97446	0.98707	19.07513	14.95454	0.99255	0.98198	0.99091	0.99255	0.97659	0.98816
46	63	21.44806	15.87341	0.99186	0.98259	0.99122	0.99186	0.97606	0.98788	19.07513	14.63664	0.99255	0.98339	0.99162	0.99255	0.97798	0.98887
46	64	21.44806	15.48353	0.99186	0.98406	0.99197	0.99186	0.97756	0.98865	19.07513	14.30913	0.99255	0.98471	0.99230	0.99255	0.97930	0.98954
46	65	21.44806	15.08480	0.99186	0.98543	0.99266	0.99186	0.97898	0.98938	19.07513	13.97213	0.99255	0.98595	0.99293	0.99255	0.98055	0.99018
46	66	21.44806	14.67724	0.99186	0.98671	0.99331	0.99186	0.98032	0.99006	19.07513	13.62552	0.99255	0.98712	0.99352	0.99255	0.98174	0.99078
46	67	21.44806	14.26104	0.99186	0.98790	0.99391	0.99186	0.98158	0.99070	19.07513	13.26940	0.99255	0.98822	0.99407	0.99255	0.98286	0.99136
46	68	21.44806	13.83657	0.99186	0.98901	0.99447	0.99186	0.98277	0.99131	19.07513	12.90401	0.99255	0.98924	0.99459	0.99255	0.98392	0.99190
46	69	21.44806	13.40435	0.99186	0.99004	0.99499	0.99186	0.98390	0.99188	19.07513	12.52973	0.99255	0.99020	0.99508	0.99255	0.98493	0.99241
46	70	21.44806	12.96501	0.99186	0.99099	0.99547	0.99186	0.98496	0.99242	19.07513	12.14706	0.99255	0.99110	0.99553	0.99255	0.98589	0.99290
46	71	21.44806	12.51927	0.99186	0.99187	0.99592	0.99186	0.98597	0.99293	19.07513	11.75658	0.99255	0.99193	0.99595	0.99255	0.98681	0.99336
46	72	21.44806	12.06792	0.99186	0.99269	0.99633	0.99186	0.98692	0.99342	19.07513	11.35893	0.99255	0.99271	0.99634	0.99255	0.98767	0.99380
46	73	21.44806	11.61185	0.99186	0.99345	0.99671	0.99186	0.98782	0.99387	19.07513	10.95491	0.99255	0.99343	0.99671	0.99255	0.98849	0.99421
46	74	21.44806	11.15217	0.99186	0.99414	0.99706	0.99186	0.98867	0.99430	19.07513	10.54549	0.99255	0.99410	0.99704	0.99255	0.98927	0.99461
46	75	21.44806	10.68986	0.99186	0.99478	0.99738	0.99186	0.98947	0.99471	19.07513	10.13154	0.99255	0.99472	0.99735	0.99255	0.99001	0.99498
46	76	21.44806	10.22626	0.99186	0.99536	0.99768	0.99186	0.99023	0.99509	19.07513	9.71428	0.99255	0.99529	0.99764	0.99255	0.99071	0.99534
46	77	21.44806	9.76277	0.99186	0.99590	0.99794	0.99186	0.99095	0.99545	19.07513	9.29502	0.99255	0.99582	0.99790	0.99255	0.99138	0.99567

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
46	78	21.44806	9.30064	0.99186	0.99638	0.99819	0.99186	0.99163	0.99580	19.07513	8.87492	0.99255	0.99630	0.99814	0.99255	0.99201	0.99599
46	79	21.44806	8.84103	0.99186	0.99682	0.99841	0.99186	0.99226	0.99612	19.07513	8.45509	0.99255	0.99673	0.99836	0.99255	0.99260	0.99629
46	80	21.44806	8.38551	0.99186	0.99722	0.99861	0.99186	0.99286	0.99642	19.07513	8.03703	0.99255	0.99713	0.99856	0.99255	0.99316	0.99657
46	81	21.44806	7.93532	0.99186	0.99757	0.99879	0.99186	0.99343	0.99670	19.07513	7.62196	0.99255	0.99748	0.99874	0.99255	0.99369	0.99683
46	82	21.44806	7.49211	0.99186	0.99789	0.99894	0.99186	0.99395	0.99697	19.07513	7.21152	0.99255	0.99781	0.99890	0.99255	0.99418	0.99708
46	83	21.44806	7.05756	0.99186	0.99817	0.99909	0.99186	0.99444	0.99721	19.07513	6.80735	0.99255	0.99809	0.99905	0.99255	0.99464	0.99732
46	84	21.44806	6.63342	0.99186	0.99842	0.99921	0.99186	0.99490	0.99744	19.07513	6.41122	0.99255	0.99835	0.99917	0.99255	0.99508	0.99753
46	85	21.44806	6.22156	0.99186	0.99864	0.99932	0.99186	0.99532	0.99765	19.07513	6.02503	0.99255	0.99857	0.99929	0.99255	0.99548	0.99773
46	86	21.44806	5.82374	0.99186	0.99884	0.99942	0.99186	0.99571	0.99785	19.07513	5.65055	0.99255	0.99877	0.99939	0.99255	0.99585	0.99792
46	87	21.44806	5.44155	0.99186	0.99900	0.99950	0.99186	0.99607	0.99803	19.07513	5.28949	0.99255	0.99894	0.99947	0.99255	0.99619	0.99809
46	88	21.44806	5.07613	0.99186	0.99915	0.99957	0.99186	0.99640	0.99820	19.07513	4.94306	0.99255	0.99909	0.99955	0.99255	0.99650	0.99825
46	89	21.44806	4.72862	0.99186	0.99927	0.99964	0.99186	0.99670	0.99835	19.07513	4.61250	0.99255	0.99922	0.99961	0.99255	0.99679	0.99839
46	90	21.44806	4.40007	0.99186	0.99938	0.99969	0.99186	0.99698	0.99849	19.07513	4.29901	0.99255	0.99934	0.99967	0.99255	0.99706	0.99853
46	91	21.44806	4.09149	0.99186	0.99947	0.99974	0.99186	0.99723	0.99861	19.07513	4.00370	0.99255	0.99943	0.99972	0.99255	0.99730	0.99865
46	92	21.44806	3.80354	0.99186	0.99955	0.99977	0.99186	0.99746	0.99873	19.07513	3.72738	0.99255	0.99951	0.99976	0.99255	0.99752	0.99876
46	93	21.44806	3.53621	0.99186	0.99961	0.99981	0.99186	0.99766	0.99883	19.07513	3.47020	0.99255	0.99958	0.99979	0.99255	0.99771	0.99886
46	94	21.44806	3.28870	0.99186	0.99967	0.99984	0.99186	0.99785	0.99892	19.07513	3.23152	0.99255	0.99964	0.99982	0.99255	0.99789	0.99895
46	95	21.44806	3.05955	0.99186	0.99972	0.99986	0.99186	0.99802	0.99901	19.07513	3.01004	0.99255	0.99969	0.99985	0.99255	0.99806	0.99903
46	96	21.44806	2.84646	0.99186	0.99976	0.99988	0.99186	0.99817	0.99909	19.07513	2.80360	0.99255	0.99974	0.99987	0.99255	0.99821	0.99910
46	97	21.44806	2.65226	0.99186	0.99979	0.99990	0.99186	0.99831	0.99916	19.07513	2.61510	0.99255	0.99977	0.99989	0.99255	0.99834	0.99917
46	98	21.44806	2.47567	0.99186	0.99982	0.99991	0.99186	0.99844	0.99922	19.07513	2.44340	0.99255	0.99980	0.99990	0.99255	0.99846	0.99923
46	99	21.44806	2.31535	0.99186	0.99984	0.99992	0.99186	0.99855	0.99927	19.07513	2.28724	0.99255	0.99983	0.99991	0.99255	0.99857	0.99928
46	100	21.44806	2.16976	0.99186	0.99986	0.99993	0.99186	0.99865	0.99932	19.07513	2.14523	0.99255	0.99985	0.99993	0.99255	0.99867	0.99933
46	101	21.44806	2.03734	0.99186	0.99988	0.99994	0.99186	0.99874	0.99937	19.07513	2.01587	0.99255	0.99987	0.99993	0.99255	0.99876	0.99938
46	102	21.44806	1.91714	0.99186	0.99989	0.99995	0.99186	0.99882	0.99941	19.07513	1.89830	0.99255	0.99988	0.99994	0.99255	0.99884	0.99942
46	103	21.44806	1.80800	0.99186	0.99991	0.99995	0.99186	0.99890	0.99945	19.07513	1.79140	0.99255	0.99990	0.99995	0.99255	0.99891	0.99946
46	104	21.44806	1.70943	0.99186	0.99992	0.99996	0.99186	0.99897	0.99948	19.07513	1.69474	0.99255	0.99991	0.99995	0.99255	0.99898	0.99949
46	105	21.44806	1.62048	0.99186	0.99993	0.99996	0.99186	0.99902	0.99951	19.07513	1.60741	0.99255	0.99992	0.99996	0.99255	0.99904	0.99952
46	106	21.44806	1.54080	0.99186	0.99993	0.99997	0.99186	0.99908	0.99954	19.07513	1.52911	0.99255	0.99993	0.99996	0.99255	0.99909	0.99954
46	107	21.44806	1.47009	0.99186	0.99994	0.99997	0.99186	0.99912	0.99956	19.07513	1.45954	0.99255	0.99993	0.99997	0.99255	0.99913	0.99957
46	108	21.44806	1.40861	0.99186	0.99994	0.99997	0.99186	0.99916	0.99958	19.07513	1.39898	0.99255	0.99994	0.99997	0.99255	0.99917	0.99958
46	109	21.44806	1.35764	0.99186	0.99995	0.99997	0.99186	0.99919	0.99959	19.07513	1.34871	0.99255	0.99994	0.99997	0.99255	0.99920	0.99960
46	110	21.44806	1.32125	0.99186	0.99995	0.99998	0.99186	0.99921	0.99960	19.07513	1.31279	0.99255	0.99995	0.99997	0.99255	0.99922	0.99961
47	1	21.20539	26.72925	0.99094	0.79183	0.88382	0.99094	0.79144	0.88358	18.89319	22.57586	0.99168	0.83535	0.91029	0.99168	0.83505	0.91011
47	2	21.20539	26.68154	0.99094	0.79322	0.88469	0.99094	0.79282	0.88444	18.89319	22.55058	0.99168	0.83626	0.91083	0.99168	0.83596	0.91065
47	3	21.20539	26.63112	0.99094	0.79467	0.88559	0.99094	0.79426	0.88533	18.89319	22.52338	0.99168	0.83722	0.91140	0.99168	0.83691	0.91121
47	4	21.20539	26.57806	0.99094	0.79618	0.88652	0.99094	0.79575	0.88626	18.89319	22.49433	0.99168	0.83823	0.91200	0.99168	0.83791	0.91181
47	5	21.20539	26.52283	0.99094	0.79775	0.88750	0.99094	0.79730	0.88722	18.89319	22.46379	0.99168	0.83929	0.91262	0.99168	0.83895	0.91242
47	6	21.20539	26.46539	0.99094	0.79938	0.88851	0.99094	0.79892	0.88822	18.89319	22.43176	0.99168	0.84039	0.91327	0.99168	0.84004	0.91306
47	7	21.20539	26.40551	0.99094	0.80108	0.88956	0.99094	0.80059	0.88925	18.89319	22.39806	0.99168	0.84155	0.91396	0.99168	0.84117	0.91374
47	8	21.20539	26.34335	0.99094	0.80285	0.89065	0.99094	0.80233	0.89033	18.89319	22.36278	0.99168	0.84275	0.91467	0.99168	0.84236	0.91444

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS

SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
47	9	21.20539	26.27867	0.99094	0.80469	0.89178	0.99094	0.80414	0.89144	18.89319	22.32575	0.99168	0.84402	0.91541	0.99168	0.84360	0.91517
47	10	21.20539	26.21121	0.99094	0.80660	0.89295	0.99094	0.80602	0.89259	18.89319	22.28674	0.99168	0.84534	0.91619	0.99168	0.84490	0.91593
47	11	21.20539	26.14141	0.99094	0.80859	0.89416	0.99094	0.80797	0.89379	18.89319	22.24611	0.99168	0.84672	0.91700	0.99168	0.84625	0.91672
47	12	21.20539	26.06892	0.99094	0.81065	0.89542	0.99094	0.81000	0.89503	18.89319	22.20360	0.99168	0.84816	0.91784	0.99168	0.84766	0.91755
47	13	21.20539	25.99388	0.99094	0.81279	0.89673	0.99094	0.81210	0.89631	18.89319	22.15929	0.99168	0.84966	0.91872	0.99168	0.84914	0.91841
47	14	21.20539	25.91617	0.99094	0.81501	0.89808	0.99094	0.81428	0.89763	18.89319	22.11310	0.99168	0.85122	0.91963	0.99168	0.85067	0.91931
47	15	21.20539	25.83587	0.99094	0.81731	0.89947	0.99094	0.81654	0.89900	18.89319	22.06509	0.99168	0.85286	0.92059	0.99168	0.85227	0.92025
47	16	21.20539	25.75319	0.99094	0.81970	0.90092	0.99094	0.81888	0.90042	18.89319	22.01544	0.99168	0.85456	0.92158	0.99168	0.85394	0.92122
47	17	21.20539	25.66857	0.99094	0.82217	0.90241	0.99094	0.82131	0.90189	18.89319	21.96453	0.99168	0.85633	0.92260	0.99168	0.85568	0.92223
47	18	21.20539	25.58235	0.99094	0.82472	0.90394	0.99094	0.82383	0.90341	18.89319	21.91267	0.99168	0.85816	0.92367	0.99168	0.85749	0.92328
47	19	21.20539	25.49361	0.99094	0.82737	0.90553	0.99094	0.82644	0.90498	18.89319	21.85907	0.99168	0.86007	0.92477	0.99168	0.85938	0.92437
47	20	21.20539	25.40164	0.99094	0.83011	0.90717	0.99094	0.82915	0.90660	18.89319	21.80312	0.99168	0.86206	0.92592	0.99168	0.86134	0.92551
47	21	21.20539	25.30562	0.99094	0.83295	0.90887	0.99094	0.83195	0.90827	18.89319	21.74411	0.99168	0.86413	0.92712	0.99168	0.86339	0.92669
47	22	21.20539	25.20517	0.99094	0.83590	0.91062	0.99094	0.83484	0.90999	18.89319	21.68171	0.99168	0.86629	0.92836	0.99168	0.86551	0.92791
47	23	21.20539	25.09967	0.99094	0.83896	0.91243	0.99094	0.83784	0.91176	18.89319	21.61537	0.99168	0.86855	0.92965	0.99168	0.86771	0.92917
47	24	21.20539	24.98936	0.99094	0.84213	0.91430	0.99094	0.84092	0.91359	18.89319	21.54528	0.99168	0.87089	0.93099	0.99168	0.87000	0.93048
47	25	21.20539	24.87419	0.99094	0.84541	0.91623	0.99094	0.84411	0.91547	18.89319	21.47137	0.99168	0.87332	0.93238	0.99168	0.87236	0.93183
47	26	21.20539	24.75420	0.99094	0.84879	0.91821	0.99094	0.84740	0.91740	18.89319	21.39367	0.99168	0.87585	0.93381	0.99168	0.87482	0.93323
47	27	21.20539	24.62994	0.99094	0.85228	0.92025	0.99094	0.85078	0.91937	18.89319	21.31262	0.99168	0.87846	0.93530	0.99168	0.87735	0.93467
47	28	21.20539	24.50119	0.99094	0.85587	0.92234	0.99094	0.85426	0.92140	18.89319	21.22804	0.99168	0.88116	0.93683	0.99168	0.87996	0.93615
47	29	21.20539	24.36788	0.99094	0.85957	0.92448	0.99094	0.85783	0.92347	18.89319	21.13984	0.99168	0.88394	0.93840	0.99168	0.88266	0.93767
47	30	21.20539	24.23009	0.99094	0.86336	0.92667	0.99094	0.86149	0.92559	18.89319	21.04806	0.99168	0.88682	0.94001	0.99168	0.88544	0.93924
47	31	21.20539	24.08752	0.99094	0.86724	0.92890	0.99094	0.86523	0.92775	18.89319	20.95246	0.99168	0.88977	0.94167	0.99168	0.88829	0.94084
47	32	21.20539	23.94006	0.99094	0.87121	0.93118	0.99094	0.86906	0.92995	18.89319	20.85289	0.99168	0.89280	0.94337	0.99168	0.89122	0.94248
47	33	21.20539	23.78740	0.99094	0.87527	0.93349	0.99094	0.87297	0.93218	18.89319	20.74907	0.99168	0.89591	0.94510	0.99168	0.89421	0.94415
47	34	21.20539	23.62942	0.99094	0.87941	0.93584	0.99094	0.87694	0.93444	18.89319	20.64088	0.99168	0.89909	0.94687	0.99168	0.89727	0.94585
47	35	21.20539	23.46579	0.99094	0.88362	0.93821	0.99094	0.88098	0.93672	18.89319	20.52800	0.99168	0.90234	0.94866	0.99168	0.90039	0.94758
47	36	21.20539	23.29632	0.99094	0.88789	0.94061	0.99094	0.88506	0.93903	18.89319	20.41023	0.99168	0.90565	0.95049	0.99168	0.90356	0.94934
47	37	21.20539	23.12089	0.99094	0.89220	0.94303	0.99094	0.88919	0.94135	18.89319	20.28745	0.99168	0.90900	0.95233	0.99168	0.90678	0.95111
47	38	21.20539	22.93911	0.99094	0.89656	0.94546	0.99094	0.89335	0.94367	18.89319	20.15926	0.99168	0.91240	0.95420	0.99168	0.91002	0.95289
47	39	21.20539	22.75087	0.99094	0.90094	0.94789	0.99094	0.89752	0.94599	18.89319	20.02555	0.99168	0.91584	0.95607	0.99168	0.91330	0.95469
47	40	21.20539	22.55572	0.99094	0.90534	0.95032	0.99094	0.90170	0.94831	18.89319	19.88587	0.99168	0.91929	0.95795	0.99168	0.91659	0.95648
47	41	21.20539	22.35340	0.99094	0.90973	0.95273	0.99094	0.90587	0.95061	18.89319	19.73995	0.99168	0.92276	0.95983	0.99168	0.91988	0.95827
47	42	21.20539	22.14385	0.99094	0.91410	0.95512	0.99094	0.91001	0.95288	18.89319	19.58769	0.99168	0.92622	0.96170	0.99168	0.92317	0.96005
47	43	21.20539	21.92669	0.99094	0.91843	0.95748	0.99094	0.91411	0.95513	18.89319	19.42870	0.99168	0.92967	0.96355	0.99168	0.92644	0.96181
47	44	21.20539	21.70178	0.99094	0.92272	0.95981	0.99094	0.91816	0.95734	18.89319	19.26280	0.99168	0.93310	0.96539	0.99168	0.92968	0.96356
47	45	21.20539	21.46876	0.99094	0.92694	0.96208	0.99094	0.92214	0.95950	18.89319	19.08963	0.99168	0.93648	0.96720	0.99168	0.93287	0.96527
47	46	21.20539	21.22763	0.99094	0.93107	0.96430	0.99094	0.92604	0.96160	18.89319	18.90911	0.99168	0.93981	0.96897	0.99168	0.93601	0.96695
47	47	21.20539	20.97813	0.99094	0.93511	0.96647	0.99094	0.92985	0.96365	18.89319	18.72094	0.99168	0.94308	0.97071	0.99168	0.93909	0.96859
47	48	21.20539	20.72003	0.99094	0.93903	0.96856	0.99094	0.93355	0.96564	18.89319	18.52488	0.99168	0.94628	0.97240	0.99168	0.94210	0.97019
47	49	21.20539	20.45326	0.99094	0.94284	0.97058	0.99094	0.93714	0.96755	18.89319	18.32076	0.99168	0.94939	0.97404	0.99168	0.94503	0.97174

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
47	50	21.20539	20.17742	0.99094	0.94651	0.97252	0.99094	0.94060	0.96939	18.89319	18.10816	0.99168	0.95241	0.97562	0.99168	0.94786	0.97323				
47	51	21.20539	19.89339	0.99094	0.95003	0.97438	0.99094	0.94394	0.97116	18.89319	17.88781	0.99168	0.95532	0.97715	0.99168	0.95060	0.97468				
47	52	21.20539	19.60122	0.99094	0.95341	0.97615	0.99094	0.94713	0.97285	18.89319	17.65967	0.99168	0.95813	0.97862	0.99168	0.95325	0.97606				
47	53	21.20539	19.30125	0.99094	0.95663	0.97783	0.99094	0.95019	0.97446	18.89319	17.42398	0.99168	0.96082	0.98002	0.99168	0.95578	0.97739				
47	54	21.20539	18.99375	0.99094	0.95969	0.97943	0.99094	0.95311	0.97599	18.89319	17.18091	0.99168	0.96339	0.98136	0.99168	0.95822	0.97866				
47	55	21.20539	18.67912	0.99094	0.96259	0.98094	0.99094	0.95588	0.97744	18.89319	16.93076	0.99168	0.96585	0.98263	0.99168	0.96054	0.97987				
47	56	21.20539	18.35803	0.99094	0.96533	0.98236	0.99094	0.95852	0.97882	18.89319	16.67407	0.99168	0.96818	0.98383	0.99168	0.96276	0.98103				
47	57	21.20539	18.02853	0.99094	0.96792	0.98370	0.99094	0.96102	0.98012	18.89319	16.40902	0.99168	0.97040	0.98498	0.99168	0.96488	0.98212				
47	58	21.20539	17.69065	0.99094	0.97036	0.98496	0.99094	0.96338	0.98135	18.89319	16.13552	0.99168	0.97250	0.98606	0.99168	0.96689	0.98316				
47	59	21.20539	17.34441	0.99094	0.97265	0.98613	0.99094	0.96562	0.98251	18.89319	15.85354	0.99168	0.97449	0.98708	0.99168	0.96880	0.98415				
47	60	21.20539	16.98967	0.99094	0.97479	0.98724	0.99094	0.96773	0.98360	18.89319	15.56284	0.99168	0.97636	0.98804	0.99168	0.97061	0.98509				
47	61	21.20539	16.62627	0.99094	0.97681	0.98827	0.99094	0.96972	0.98463	18.89319	15.26320	0.99168	0.97813	0.98895	0.99168	0.97233	0.98597				
47	62	21.20539	16.25423	0.99094	0.97869	0.98923	0.99094	0.97159	0.98559	18.89319	14.95454	0.99168	0.97980	0.98980	0.99168	0.97396	0.98681				
47	63	21.20539	15.87341	0.99094	0.98045	0.99013	0.99094	0.97336	0.98650	18.89319	14.63664	0.99168	0.98137	0.99060	0.99168	0.97550	0.98760				
47	64	21.20539	15.48353	0.99094	0.98209	0.99097	0.99094	0.97503	0.98736	18.89319	14.30913	0.99168	0.98285	0.99135	0.99168	0.97696	0.98835				
47	65	21.20539	15.08480	0.99094	0.98363	0.99175	0.99094	0.97660	0.98816	18.89319	13.97213	0.99168	0.98424	0.99206	0.99168	0.97834	0.98905				
47	66	21.20539	14.67724	0.99094	0.98506	0.99247	0.99094	0.97808	0.98892	18.89319	13.62552	0.99168	0.98554	0.99272	0.99168	0.97965	0.98972				
47	67	21.20539	14.26104	0.99094	0.98639	0.99315	0.99094	0.97948	0.98963	18.89319	13.26940	0.99168	0.98676	0.99334	0.99168	0.98090	0.99036				
47	68	21.20539	13.83657	0.99094	0.98763	0.99377	0.99094	0.98080	0.99031	18.89319	12.90401	0.99168	0.98791	0.99392	0.99168	0.98208	0.99096				
47	69	21.20539	13.40435	0.99094	0.98878	0.99436	0.99094	0.98204	0.99094	18.89319	12.52973	0.99168	0.98898	0.99446	0.99168	0.98319	0.99153				
47	70	21.20539	12.96501	0.99094	0.98985	0.99490	0.99094	0.98322	0.99154	18.89319	12.14706	0.99168	0.98998	0.99496	0.99168	0.98425	0.99206				
47	71	21.20539	12.51927	0.99094	0.99083	0.99540	0.99094	0.98433	0.99210	18.89319	11.75658	0.99168	0.99091	0.99544	0.99168	0.98526	0.99258				
47	72	21.20539	12.06792	0.99094	0.99175	0.99586	0.99094	0.98538	0.99264	18.89319	11.35893	0.99168	0.99178	0.99587	0.99168	0.98622	0.99306				
47	73	21.20539	11.61185	0.99094	0.99259	0.99628	0.99094	0.98638	0.99314	18.89319	10.95491	0.99168	0.99259	0.99628	0.99168	0.98712	0.99352				
47	74	21.20539	11.15217	0.99094	0.99337	0.99668	0.99094	0.98732	0.99362	18.89319	10.54549	0.99168	0.99334	0.99666	0.99168	0.98799	0.99396				
47	75	21.20539	10.68986	0.99094	0.99409	0.99704	0.99094	0.98821	0.99407	18.89319	10.13154	0.99168	0.99403	0.99701	0.99168	0.98881	0.99437				
47	76	21.20539	10.22626	0.99094	0.99475	0.99737	0.99094	0.98905	0.99449	18.89319	9.71428	0.99168	0.99467	0.99733	0.99168	0.98958	0.99476				
47	77	21.20539	9.76277	0.99094	0.99534	0.99767	0.99094	0.98984	0.99489	18.89319	9.29502	0.99168	0.99526	0.99762	0.99168	0.99032	0.99514				
47	78	21.20539	9.30064	0.99094	0.99589	0.99794	0.99094	0.99059	0.99527	18.89319	8.87492	0.99168	0.99580	0.99789	0.99168	0.99102	0.99549				
47	79	21.20539	8.84103	0.99094	0.99638	0.99819	0.99094	0.99130	0.99563	18.89319	8.45509	0.99168	0.99629	0.99814	0.99168	0.99168	0.99582				
47	80	21.20539	8.38551	0.99094	0.99683	0.99841	0.99094	0.99196	0.99597	18.89319	8.03703	0.99168	0.99673	0.99836	0.99168	0.99230	0.99613				
47	81	21.20539	7.93532	0.99094	0.99723	0.99862	0.99094	0.99259	0.99628	18.89319	7.62196	0.99168	0.99714	0.99857	0.99168	0.99289	0.99643				
47	82	21.20539	7.49211	0.99094	0.99759	0.99880	0.99094	0.99318	0.99658	18.89319	7.21152	0.99168	0.99750	0.99875	0.99168	0.99344	0.99671				
47	83	21.20539	7.05756	0.99094	0.99792	0.99896	0.99094	0.99373	0.99685	18.89319	6.80735	0.99168	0.99783	0.99891	0.99168	0.99396	0.99697				
47	84	21.20539	6.63342	0.99094	0.99820	0.99910	0.99094	0.99424	0.99711	18.89319	6.41122	0.99168	0.99812	0.99906	0.99168	0.99444	0.99721				
47	85	21.20539	6.22156	0.99094	0.99845	0.99923	0.99094	0.99471	0.99735	18.89319	6.02503	0.99168	0.99837	0.99919	0.99168	0.99489	0.99744				
47	86	21.20539	5.82374	0.99094	0.99867	0.99934	0.99094	0.99515	0.99757	18.89319	5.65055	0.99168	0.99860	0.99930	0.99168	0.99531	0.99765				
47	87	21.20539	5.44155	0.99094	0.99886	0.99943	0.99094	0.99556	0.99778	18.89319	5.28949	0.99168	0.99880	0.99940	0.99168	0.99570	0.99784				
47	88	21.20539	5.07613	0.99094	0.99903	0.99951	0.99094	0.99594	0.99796	18.89319	4.94306	0.99168	0.99897	0.99948	0.99168	0.99605	0.99802				
47	89	21.20539	4.72862	0.99094	0.99917	0.99959	0.99094	0.99628	0.99814	18.89319	4.61250	0.99168	0.99912	0.99956	0.99168	0.99638	0.99819				
47	90	21.20539	4.40007	0.99094	0.99929	0.99965	0.99094	0.99660	0.99829	18.89319	4.29901	0.99168	0.99925	0.99962	0.99168	0.99668	0.99834				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
47	91	21.20539	4.09149	0.99094	0.99940	0.99970	0.99094	0.99688	0.99844	18.89319	4.00370	0.99168	0.99936	0.99968	0.99168	0.99696	0.99848
47	92	21.20539	3.80354	0.99094	0.99949	0.99974	0.99094	0.99714	0.99857	18.89319	3.72738	0.99168	0.99945	0.99972	0.99168	0.99721	0.99860
47	93	21.20539	3.53621	0.99094	0.99956	0.99978	0.99094	0.99738	0.99869	18.89319	3.47020	0.99168	0.99953	0.99976	0.99168	0.99744	0.99872
47	94	21.20539	3.28870	0.99094	0.99963	0.99981	0.99094	0.99759	0.99880	18.89319	3.23152	0.99168	0.99960	0.99980	0.99168	0.99764	0.99882
47	95	21.20539	3.05955	0.99094	0.99968	0.99984	0.99094	0.99779	0.99889	18.89319	3.01004	0.99168	0.99965	0.99983	0.99168	0.99783	0.99892
47	96	21.20539	2.84646	0.99094	0.99973	0.99986	0.99094	0.99796	0.99898	18.89319	2.80360	0.99168	0.99970	0.99985	0.99168	0.99800	0.99900
47	97	21.20539	2.65226	0.99094	0.99977	0.99988	0.99094	0.99812	0.99906	18.89319	2.61510	0.99168	0.99974	0.99987	0.99168	0.99815	0.99908
47	98	21.20539	2.47567	0.99094	0.99980	0.99990	0.99094	0.99826	0.99913	18.89319	2.44340	0.99168	0.99978	0.99989	0.99168	0.99829	0.99915
47	99	21.20539	2.31535	0.99094	0.99982	0.99991	0.99094	0.99839	0.99919	18.89319	2.28724	0.99168	0.99981	0.99990	0.99168	0.99842	0.99921
47	100	21.20539	2.16976	0.99094	0.99985	0.99992	0.99094	0.99851	0.99925	18.89319	2.14523	0.99168	0.99983	0.99992	0.99168	0.99853	0.99926
47	101	21.20539	2.03734	0.99094	0.99987	0.99993	0.99094	0.99861	0.99930	18.89319	2.01587	0.99168	0.99985	0.99993	0.99168	0.99863	0.99931
47	102	21.20539	1.91714	0.99094	0.99988	0.99994	0.99094	0.99870	0.99935	18.89319	1.89830	0.99168	0.99987	0.99994	0.99168	0.99872	0.99936
47	103	21.20539	1.80800	0.99094	0.99990	0.99995	0.99094	0.99879	0.99939	18.89319	1.79140	0.99168	0.99989	0.99994	0.99168	0.99880	0.99940
47	104	21.20539	1.70943	0.99094	0.99991	0.99995	0.99094	0.99886	0.99943	18.89319	1.69474	0.99168	0.99990	0.99995	0.99168	0.99888	0.99944
47	105	21.20539	1.62048	0.99094	0.99992	0.99996	0.99094	0.99893	0.99946	18.89319	1.60741	0.99168	0.99991	0.99996	0.99168	0.99894	0.99947
47	106	21.20539	1.54080	0.99094	0.99993	0.99996	0.99094	0.99899	0.99949	18.89319	1.52911	0.99168	0.99992	0.99996	0.99168	0.99900	0.99950
47	107	21.20539	1.47009	0.99094	0.99993	0.99997	0.99094	0.99904	0.99952	18.89319	1.45954	0.99168	0.99993	0.99996	0.99168	0.99905	0.99953
47	108	21.20539	1.40861	0.99094	0.99994	0.99997	0.99094	0.99908	0.99954	18.89319	1.39898	0.99168	0.99993	0.99997	0.99168	0.99909	0.99955
47	109	21.20539	1.35764	0.99094	0.99994	0.99997	0.99094	0.99911	0.99956	18.89319	1.34871	0.99168	0.99994	0.99997	0.99168	0.99912	0.99956
47	110	21.20539	1.32125	0.99094	0.99995	0.99997	0.99094	0.99914	0.99957	18.89319	1.31279	0.99168	0.99994	0.99997	0.99168	0.99915	0.99957
48	1	20.95421	26.72925	0.98990	0.78251	0.87799	0.98990	0.78211	0.87774	18.70348	22.57586	0.99070	0.82701	0.90532	0.99070	0.82671	0.90513
48	2	20.95421	26.68154	0.98990	0.78388	0.87885	0.98990	0.78348	0.87860	18.70348	22.55058	0.99070	0.82792	0.90586	0.99070	0.82761	0.90568
48	3	20.95421	26.63112	0.98990	0.78532	0.87975	0.98990	0.78491	0.87949	18.70348	22.52338	0.99070	0.82887	0.90643	0.99070	0.82856	0.90624
48	4	20.95421	26.57806	0.98990	0.78682	0.88069	0.98990	0.78639	0.88042	18.70348	22.49433	0.99070	0.82988	0.90703	0.99070	0.82955	0.90683
48	5	20.95421	26.52283	0.98990	0.78837	0.88167	0.98990	0.78793	0.88139	18.70348	22.46379	0.99070	0.83092	0.90766	0.99070	0.83058	0.90745
48	6	20.95421	26.46539	0.98990	0.78999	0.88268	0.98990	0.78953	0.88239	18.70348	22.43176	0.99070	0.83202	0.90831	0.99070	0.83166	0.90810
48	7	20.95421	26.40551	0.98990	0.79168	0.88373	0.98990	0.79119	0.88342	18.70348	22.39806	0.99070	0.83317	0.90899	0.99070	0.83279	0.90877
48	8	20.95421	26.34335	0.98990	0.79343	0.88482	0.98990	0.79292	0.88450	18.70348	22.36278	0.99070	0.83437	0.90971	0.99070	0.83398	0.90947
48	9	20.95421	26.27867	0.98990	0.79526	0.88595	0.98990	0.79471	0.88561	18.70348	22.32575	0.99070	0.83563	0.91046	0.99070	0.83521	0.91021
48	10	20.95421	26.21121	0.98990	0.79716	0.88713	0.98990	0.79658	0.88677	18.70348	22.28674	0.99070	0.83694	0.91124	0.99070	0.83650	0.91097
48	11	20.95421	26.14141	0.98990	0.79913	0.88835	0.98990	0.79851	0.88797	18.70348	22.24611	0.99070	0.83832	0.91205	0.99070	0.83785	0.91177
48	12	20.95421	26.06892	0.98990	0.80117	0.88961	0.98990	0.80052	0.88921	18.70348	22.20360	0.99070	0.83975	0.91290	0.99070	0.83925	0.91260
48	13	20.95421	25.99388	0.98990	0.80330	0.89092	0.98990	0.80261	0.89050	18.70348	22.15929	0.99070	0.84125	0.91378	0.99070	0.84072	0.91347
48	14	20.95421	25.91617	0.98990	0.80551	0.89228	0.98990	0.80478	0.89183	18.70348	22.11310	0.99070	0.84281	0.91470	0.99070	0.84225	0.91437
48	15	20.95421	25.83587	0.98990	0.80780	0.89368	0.98990	0.80703	0.89321	18.70348	22.06509	0.99070	0.84444	0.91566	0.99070	0.84385	0.91531
48	16	20.95421	25.75319	0.98990	0.81017	0.89513	0.98990	0.80936	0.89464	18.70348	22.01544	0.99070	0.84614	0.91666	0.99070	0.84552	0.91629
48	17	20.95421	25.66857	0.98990	0.81263	0.89663	0.98990	0.81178	0.89611	18.70348	21.96453	0.99070	0.84790	0.91769	0.99070	0.84725	0.91731
48	18	20.95421	25.58235	0.98990	0.81518	0.89818	0.98990	0.81429	0.89764	18.70348	21.91267	0.99070	0.84974	0.91877	0.99070	0.84906	0.91837
48	19	20.95421	25.49361	0.98990	0.81781	0.89978	0.98990	0.81689	0.89922	18.70348	21.85907	0.99070	0.85165	0.91988	0.99070	0.85095	0.91947
48	20	20.95421	25.40164	0.98990	0.82055	0.90143	0.98990	0.81959	0.90085	18.70348	21.80312	0.99070	0.85363	0.92104	0.99070	0.85291	0.92062
48	21	20.95421	25.30562	0.98990	0.82338	0.90314	0.98990	0.82239	0.90254	18.70348	21.74411	0.99070	0.85571	0.92225	0.99070	0.85496	0.92181

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
48	22	20.95421	25.20517	0.98990	0.82633	0.90491	0.98990	0.82528	0.90428	18.70348	21.68171	0.99070	0.85788	0.92350	0.99070	0.85709	0.92304
48	23	20.95421	25.09967	0.98990	0.82939	0.90674	0.98990	0.82827	0.90607	18.70348	21.61537	0.99070	0.86013	0.92481	0.99070	0.85930	0.92432
48	24	20.95421	24.98936	0.98990	0.83256	0.90863	0.98990	0.83136	0.90792	18.70348	21.54528	0.99070	0.86249	0.92617	0.99070	0.86159	0.92565
48	25	20.95421	24.87419	0.98990	0.83585	0.91058	0.98990	0.83456	0.90982	18.70348	21.47137	0.99070	0.86493	0.92758	0.99070	0.86397	0.92702
48	26	20.95421	24.75420	0.98990	0.83924	0.91260	0.98990	0.83785	0.91177	18.70348	21.39367	0.99070	0.86748	0.92904	0.99070	0.86644	0.92844
48	27	20.95421	24.62994	0.98990	0.84275	0.91466	0.98990	0.84125	0.91378	18.70348	21.31262	0.99070	0.87011	0.93054	0.99070	0.86899	0.92991
48	28	20.95421	24.50119	0.98990	0.84636	0.91679	0.98990	0.84475	0.91584	18.70348	21.22800	0.99070	0.87283	0.93210	0.99070	0.87163	0.93142
48	29	20.95421	24.36788	0.98990	0.85008	0.91897	0.98990	0.84835	0.91795	18.70348	21.13984	0.99070	0.87565	0.93370	0.99070	0.87436	0.93297
48	30	20.95421	24.23009	0.98990	0.85391	0.92120	0.98990	0.85205	0.92011	18.70348	21.04806	0.99070	0.87856	0.93536	0.99070	0.87717	0.93457
48	31	20.95421	24.08752	0.98990	0.85784	0.92348	0.98990	0.85584	0.92232	18.70348	20.95246	0.99070	0.88156	0.93705	0.99070	0.88007	0.93621
48	32	20.95421	23.94006	0.98990	0.86187	0.92581	0.98990	0.85972	0.92457	18.70348	20.85289	0.99070	0.88464	0.93879	0.99070	0.88304	0.93789
48	33	20.95421	23.78740	0.98990	0.86599	0.92818	0.98990	0.86368	0.92686	18.70348	20.74907	0.99070	0.88781	0.94057	0.99070	0.88610	0.93961
48	34	20.95421	23.62942	0.98990	0.87020	0.93060	0.98990	0.86773	0.92918	18.70348	20.64088	0.99070	0.89107	0.94240	0.99070	0.88922	0.94136
48	35	20.95421	23.46579	0.98990	0.87450	0.93305	0.98990	0.87185	0.93154	18.70348	20.52800	0.99070	0.89439	0.94425	0.99070	0.89242	0.94315
48	36	20.95421	23.29632	0.98990	0.87887	0.93553	0.98990	0.87603	0.93392	18.70348	20.41023	0.99070	0.89779	0.94614	0.99070	0.89568	0.94497
48	37	20.95421	23.12089	0.98990	0.88331	0.93804	0.98990	0.88027	0.93633	18.70348	20.28745	0.99070	0.90125	0.94806	0.99070	0.89899	0.94681
48	38	20.95421	22.93911	0.98990	0.88780	0.94057	0.98990	0.88456	0.93874	18.70348	20.15926	0.99070	0.90477	0.95000	0.99070	0.90234	0.94867
48	39	20.95421	22.75087	0.98990	0.89233	0.94310	0.98990	0.88887	0.94117	18.70348	20.02555	0.99070	0.90833	0.95196	0.99070	0.90574	0.95054
48	40	20.95421	22.55572	0.98990	0.89690	0.94565	0.98990	0.89321	0.94359	18.70348	19.88587	0.99070	0.91193	0.95393	0.99070	0.90916	0.95242
48	41	20.95421	22.35340	0.98990	0.90147	0.94818	0.98990	0.89754	0.94601	18.70348	19.73995	0.99070	0.91555	0.95591	0.99070	0.91260	0.95430
48	42	20.95421	22.14385	0.98990	0.90605	0.95071	0.98990	0.90187	0.94841	18.70348	19.58769	0.99070	0.91918	0.95789	0.99070	0.91605	0.95618
48	43	20.95421	21.92669	0.98990	0.91060	0.95321	0.98990	0.90618	0.95078	18.70348	19.42870	0.99070	0.92282	0.95986	0.99070	0.91948	0.95805
48	44	20.95421	21.70178	0.98990	0.91512	0.95568	0.98990	0.91044	0.95312	18.70348	19.26280	0.99070	0.92644	0.96182	0.99070	0.92290	0.95991
48	45	20.95421	21.46876	0.98990	0.91959	0.95811	0.98990	0.91466	0.95543	18.70348	19.08963	0.99070	0.93003	0.96375	0.99070	0.92629	0.96174
48	46	20.95421	21.22763	0.98990	0.92399	0.96049	0.98990	0.91880	0.95768	18.70348	18.90911	0.99070	0.93359	0.96565	0.99070	0.92964	0.96354
48	47	20.95421	20.97813	0.98990	0.92831	0.96282	0.98990	0.92286	0.95988	18.70348	18.72094	0.99070	0.93709	0.96752	0.99070	0.93293	0.96530
48	48	20.95421	20.72003	0.98990	0.93252	0.96508	0.98990	0.92682	0.96202	18.70348	18.52488	0.99070	0.94052	0.96935	0.99070	0.93615	0.96702
48	49	20.95421	20.45326	0.98990	0.93662	0.96727	0.98990	0.93067	0.96409	18.70348	18.32076	0.99070	0.94388	0.97113	0.99070	0.93930	0.96870
48	50	20.95421	20.17742	0.98990	0.94059	0.96939	0.98990	0.93441	0.96609	18.70348	18.10816	0.99070	0.94715	0.97286	0.99070	0.94237	0.97033
48	51	20.95421	19.89339	0.98990	0.94442	0.97142	0.98990	0.93801	0.96802	18.70348	17.88781	0.99070	0.95032	0.97453	0.99070	0.94534	0.97190
48	52	20.95421	19.60122	0.98990	0.94810	0.97336	0.98990	0.94149	0.96986	18.70348	17.65967	0.99070	0.95338	0.97613	0.99070	0.94821	0.97342
48	53	20.95421	19.30125	0.98990	0.95163	0.97522	0.98990	0.94482	0.97163	18.70348	17.42398	0.99070	0.95633	0.97768	0.99070	0.95098	0.97487
48	54	20.95421	18.99375	0.98990	0.95499	0.97698	0.98990	0.94801	0.97331	18.70348	17.18091	0.99070	0.95916	0.97915	0.99070	0.95364	0.97627
48	55	20.95421	18.67912	0.98990	0.95819	0.97865	0.98990	0.95105	0.97491	18.70348	16.93076	0.99070	0.96186	0.98056	0.99070	0.95619	0.97761
48	56	20.95421	18.35803	0.98990	0.96122	0.98022	0.98990	0.95394	0.97643	18.70348	16.67407	0.99070	0.96443	0.98190	0.99070	0.95863	0.97888
48	57	20.95421	18.02853	0.98990	0.96408	0.98171	0.98990	0.95669	0.97787	18.70348	16.40902	0.99070	0.96689	0.98316	0.99070	0.96096	0.98009
48	58	20.95421	17.69065	0.98990	0.96678	0.98311	0.98990	0.95930	0.97923	18.70348	16.13552	0.99070	0.96921	0.98437	0.99070	0.96318	0.98125
48	59	20.95421	17.34441	0.98990	0.96933	0.98443	0.98990	0.96177	0.98051	18.70348	15.85354	0.99070	0.97142	0.98550	0.99070	0.96529	0.98234
48	60	20.95421	16.98967	0.98990	0.97172	0.98566	0.98990	0.96411	0.98172	18.70348	15.56284	0.99070	0.97351	0.98658	0.99070	0.96730	0.98338
48	61	20.95421	16.62627	0.98990	0.97396	0.98681	0.98990	0.96631	0.98287	18.70348	15.26320	0.99070	0.97548	0.98759	0.99070	0.96920	0.98436
48	62	20.95421	16.25423	0.98990	0.97606	0.98789	0.98990	0.96839	0.98394	18.70348	14.95454	0.99070	0.97734	0.98854	0.99070	0.97100	0.98529

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
48	63	20.95421	15.87341	0.98990	0.97803	0.98889	0.98990	0.97035	0.98495	18.70348	14.63664	0.99070	0.97909	0.98944	0.99070	0.97271	0.98617				
48	64	20.95421	15.48353	0.98990	0.97987	0.98983	0.98990	0.97220	0.98590	18.70348	14.30913	0.99070	0.98074	0.99028	0.99070	0.97433	0.98700				
48	65	20.95421	15.08480	0.98990	0.98158	0.99071	0.98990	0.97394	0.98680	18.70348	13.97213	0.99070	0.98229	0.99107	0.99070	0.97586	0.98778				
48	66	20.95421	14.67724	0.98990	0.98318	0.99152	0.98990	0.97558	0.98764	18.70348	13.62552	0.99070	0.98374	0.99181	0.99070	0.97732	0.98853				
48	67	20.95421	14.26104	0.98990	0.98467	0.99228	0.98990	0.97713	0.98843	18.70348	13.26940	0.99070	0.98511	0.99250	0.99070	0.97869	0.98923				
48	68	20.95421	13.83657	0.98990	0.98606	0.99298	0.98990	0.97859	0.98918	18.70348	12.90401	0.99070	0.98639	0.99315	0.99070	0.98000	0.98990				
48	69	20.95421	13.40435	0.98990	0.98734	0.99363	0.98990	0.97996	0.98988	18.70348	12.52973	0.99070	0.98758	0.99375	0.99070	0.98123	0.99053				
48	70	20.95421	12.96501	0.98990	0.98854	0.99424	0.98990	0.98126	0.99054	18.70348	12.14706	0.99070	0.98870	0.99432	0.99070	0.98241	0.99113				
48	71	20.95421	12.51927	0.98990	0.98965	0.99480	0.98990	0.98249	0.99117	18.70348	11.75658	0.99070	0.98975	0.99485	0.99070	0.98352	0.99169				
48	72	20.95421	12.06792	0.98990	0.99067	0.99531	0.98990	0.98365	0.99176	18.70348	11.35893	0.99070	0.99072	0.99534	0.99070	0.98458	0.99223				
48	73	20.95421	11.61185	0.98990	0.99162	0.99579	0.98990	0.98475	0.99232	18.70348	10.95491	0.99070	0.99162	0.99579	0.99070	0.98558	0.99274				
48	74	20.95421	11.15217	0.98990	0.99249	0.99623	0.98990	0.98579	0.99284	18.70348	10.54549	0.99070	0.99246	0.99622	0.99070	0.98653	0.99322				
48	75	20.95421	10.68986	0.98990	0.99330	0.99664	0.98990	0.98677	0.99334	18.70348	10.13154	0.99070	0.99324	0.99661	0.99070	0.98743	0.99368				
48	76	20.95421	10.22626	0.98990	0.99403	0.99701	0.98990	0.98770	0.99381	18.70348	9.71428	0.99070	0.99396	0.99697	0.99070	0.98829	0.99411				
48	77	20.95421	9.76277	0.98990	0.99471	0.99735	0.98990	0.98857	0.99425	18.70348	9.29502	0.99070	0.99461	0.99730	0.99070	0.98911	0.99452				
48	78	20.95421	9.30064	0.98990	0.99532	0.99765	0.98990	0.98940	0.99467	18.70348	8.87492	0.99070	0.99522	0.99760	0.99070	0.98988	0.99491				
48	79	20.95421	8.84103	0.98990	0.99588	0.99793	0.98990	0.99019	0.99507	18.70348	8.45509	0.99070	0.99577	0.99788	0.99070	0.99061	0.99528				
48	80	20.95421	8.38551	0.98990	0.99638	0.99819	0.98990	0.99093	0.99544	18.70348	8.03703	0.99070	0.99628	0.99813	0.99070	0.99130	0.99563				
48	81	20.95421	7.93532	0.98990	0.99684	0.99842	0.98990	0.99162	0.99579	18.70348	7.62196	0.99070	0.99673	0.99836	0.99070	0.99195	0.99596				
48	82	20.95421	7.49211	0.98990	0.99725	0.99862	0.98990	0.99228	0.99612	18.70348	7.21152	0.99070	0.99714	0.99857	0.99070	0.99257	0.99627				
48	83	20.95421	7.05756	0.98990	0.99761	0.99880	0.98990	0.99289	0.99643	18.70348	6.80735	0.99070	0.99751	0.99875	0.99070	0.99315	0.99656				
48	84	20.95421	6.63342	0.98990	0.99793	0.99897	0.98990	0.99346	0.99672	18.70348	6.41122	0.99070	0.99784	0.99892	0.99070	0.99369	0.99683				
48	85	20.95421	6.22156	0.98990	0.99822	0.99911	0.98990	0.99400	0.99699	18.70348	6.02503	0.99070	0.99813	0.99907	0.99070	0.99420	0.99709				
48	86	20.95421	5.82374	0.98990	0.99847	0.99924	0.98990	0.99449	0.99724	18.70348	5.65055	0.99070	0.99839	0.99920	0.99070	0.99467	0.99733				
48	87	20.95421	5.44155	0.98990	0.99869	0.99935	0.98990	0.99495	0.99747	18.70348	5.28949	0.99070	0.99862	0.99931	0.99070	0.99511	0.99755				
48	88	20.95421	5.07613	0.98990	0.99888	0.99944	0.98990	0.99538	0.99768	18.70348	4.94306	0.99070	0.99882	0.99941	0.99070	0.99551	0.99775				
48	89	20.95421	4.72862	0.98990	0.99905	0.99952	0.98990	0.99577	0.99788	18.70348	4.61250	0.99070	0.99899	0.99949	0.99070	0.99589	0.99794				
48	90	20.95421	4.40007	0.98990	0.99919	0.99959	0.98990	0.99613	0.99806	18.70348	4.29901	0.99070	0.99913	0.99957	0.99070	0.99623	0.99811				
48	91	20.95421	4.09149	0.98990	0.99931	0.99965	0.98990	0.99645	0.99822	18.70348	4.00370	0.99070	0.99926	0.99963	0.99070	0.99654	0.99827				
48	92	20.95421	3.80354	0.98990	0.99941	0.99971	0.98990	0.99675	0.99837	18.70348	3.72738	0.99070	0.99937	0.99968	0.99070	0.99683	0.99841				
48	93	20.95421	3.53621	0.98990	0.99950	0.99975	0.98990	0.99703	0.99851	18.70348	3.47020	0.99070	0.99946	0.99973	0.99070	0.99709	0.99854				
48	94	20.95421	3.28870	0.98990	0.99957	0.99979	0.98990	0.99727	0.99863	18.70348	3.23152	0.99070	0.99954	0.99977	0.99070	0.99733	0.99866				
48	95	20.95421	3.05955	0.98990	0.99963	0.99982	0.98990	0.99750	0.99875	18.70348	3.01004	0.99070	0.99961	0.99980	0.99070	0.99755	0.99877				
48	96	20.95421	2.84646	0.98990	0.99969	0.99984	0.98990	0.99770	0.99885	18.70348	2.80360	0.99070	0.99966	0.99983	0.99070	0.99774	0.99887				
48	97	20.95421	2.65226	0.98990	0.99973	0.99987	0.98990	0.99788	0.99894	18.70348	2.61510	0.99070	0.99971	0.99985	0.99070	0.99792	0.99896				
48	98	20.95421	2.47567	0.98990	0.99977	0.99988	0.98990	0.99804	0.99902	18.70348	2.44340	0.99070	0.99975	0.99987	0.99070	0.99808	0.99904				
48	99	20.95421	2.31535	0.98990	0.99980	0.99990	0.98990	0.99819	0.99909	18.70348	2.28724	0.99070	0.99978	0.99989	0.99070	0.99822	0.99911				
48	100	20.95421	2.16976	0.98990	0.99983	0.99991	0.98990	0.99832	0.99916	18.70348	2.14523	0.99070	0.99981	0.99991	0.99070	0.99835	0.99917				
48	101	20.95421	2.03734	0.98990	0.99985	0.99992	0.98990	0.99844	0.99922	18.70348	2.01587	0.99070	0.99983	0.99992	0.99070	0.99847	0.99923				
48	102	20.95421	1.91714	0.98990	0.99987	0.99993	0.98990	0.99855	0.99928	18.70348	1.89830	0.99070	0.99986	0.99993	0.99070	0.99857	0.99929				
48	103	20.95421	1.80800	0.98990	0.99988	0.99994	0.98990	0.99865	0.99932	18.70348	1.79140	0.99070	0.99987	0.99994	0.99070	0.99867	0.99933				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
48	104	20.95421	1.70943	0.98990	0.99990	0.99995	0.98990	0.99873	0.99937	18.70348	1.69474	0.99070	0.99989	0.99994	0.99070	0.99875	0.99937
48	105	20.95421	1.62048	0.98990	0.99991	0.99995	0.98990	0.99881	0.99941	18.70348	1.60741	0.99070	0.99990	0.99995	0.99070	0.99883	0.99941
48	106	20.95421	1.54080	0.98990	0.99992	0.99996	0.98990	0.99888	0.99944	18.70348	1.52911	0.99070	0.99991	0.99995	0.99070	0.99889	0.99945
48	107	20.95421	1.47009	0.98990	0.99993	0.99996	0.98990	0.99894	0.99947	18.70348	1.45954	0.99070	0.99992	0.99996	0.99070	0.99895	0.99947
48	108	20.95421	1.40861	0.98990	0.99993	0.99997	0.98990	0.99898	0.99949	18.70348	1.39898	0.99070	0.99992	0.99996	0.99070	0.99899	0.99950
48	109	20.95421	1.35764	0.98990	0.99994	0.99997	0.98990	0.99902	0.99951	18.70348	1.34871	0.99070	0.99993	0.99997	0.99070	0.99903	0.99952
48	110	20.95421	1.32125	0.98990	0.99994	0.99997	0.98990	0.99904	0.99952	18.70348	1.31279	0.99070	0.99993	0.99997	0.99070	0.99906	0.99953
49	1	20.69443	26.72925	0.98873	0.77287	0.87188	0.98873	0.77247	0.87163	18.50584	22.57586	0.98958	0.81832	0.90009	0.98958	0.81801	0.99990
49	2	20.69443	26.68154	0.98873	0.77423	0.87275	0.98873	0.77382	0.87249	18.50584	22.55058	0.98958	0.81922	0.90063	0.98958	0.81891	0.90044
49	3	20.69443	26.63112	0.98873	0.77565	0.87365	0.98873	0.77523	0.87339	18.50584	22.52338	0.98958	0.82017	0.90120	0.98958	0.81985	0.90101
49	4	20.69443	26.57806	0.98873	0.77713	0.87459	0.98873	0.77670	0.87432	18.50584	22.49433	0.98958	0.82117	0.90180	0.98958	0.82083	0.90160
49	5	20.69443	26.52283	0.98873	0.77867	0.87556	0.98873	0.77822	0.87528	18.50584	22.46379	0.98958	0.82221	0.90243	0.98958	0.82186	0.90222
49	6	20.69443	26.46539	0.98873	0.78028	0.87658	0.98873	0.77981	0.87628	18.50584	22.43176	0.98958	0.82330	0.90309	0.98958	0.82294	0.90287
49	7	20.69443	26.40551	0.98873	0.78195	0.87763	0.98873	0.78145	0.87732	18.50584	22.39806	0.98958	0.82444	0.90377	0.98958	0.82406	0.90354
49	8	20.69443	26.34335	0.98873	0.78369	0.87873	0.98873	0.78317	0.87840	18.50584	22.36278	0.98958	0.82563	0.90449	0.98958	0.82523	0.90425
49	9	20.69443	26.27867	0.98873	0.78549	0.87986	0.98873	0.78495	0.87952	18.50584	22.32575	0.98958	0.82688	0.90524	0.98958	0.82646	0.90499
49	10	20.69443	26.21121	0.98873	0.78738	0.88104	0.98873	0.78680	0.88068	18.50584	22.28674	0.98958	0.82819	0.90602	0.98958	0.82774	0.90576
49	11	20.69443	26.14141	0.98873	0.78933	0.88226	0.98873	0.78872	0.88188	18.50584	22.24611	0.98958	0.82956	0.90684	0.98958	0.82908	0.90656
49	12	20.69443	26.06892	0.98873	0.79136	0.88353	0.98873	0.79071	0.88313	18.50584	22.20360	0.98958	0.83099	0.90769	0.98958	0.83048	0.90739
49	13	20.69443	25.99388	0.98873	0.79348	0.88485	0.98873	0.79279	0.88442	18.50584	22.15929	0.98958	0.83248	0.90858	0.98958	0.83194	0.90826
49	14	20.69443	25.91617	0.98873	0.79567	0.88621	0.98873	0.79494	0.88575	18.50584	22.11310	0.98958	0.83403	0.90951	0.98958	0.83347	0.90917
49	15	20.69443	25.83587	0.98873	0.79794	0.88762	0.98873	0.79717	0.88714	18.50584	22.06509	0.98958	0.83566	0.91047	0.98958	0.83506	0.91012
49	16	20.69443	25.75319	0.98873	0.80031	0.88908	0.98873	0.79949	0.88857	18.50584	22.01544	0.98958	0.83735	0.91148	0.98958	0.83672	0.91110
49	17	20.69443	25.66857	0.98873	0.80275	0.89058	0.98873	0.80190	0.89006	18.50584	21.96453	0.98958	0.83911	0.91252	0.98958	0.83845	0.91213
49	18	20.69443	25.58235	0.98873	0.80528	0.89214	0.98873	0.80440	0.89160	18.50584	21.91267	0.98958	0.84094	0.91360	0.98958	0.84026	0.91320
49	19	20.69443	25.49361	0.98873	0.80790	0.89375	0.98873	0.80699	0.89319	18.50584	21.85907	0.98958	0.84284	0.91472	0.98958	0.84215	0.91431
49	20	20.69443	25.40164	0.98873	0.81063	0.89541	0.98873	0.80968	0.89483	18.50584	21.80312	0.98958	0.84483	0.91589	0.98958	0.84411	0.91547
49	21	20.69443	25.30562	0.98873	0.81345	0.89713	0.98873	0.81246	0.89653	18.50584	21.74411	0.98958	0.84691	0.91711	0.98958	0.84615	0.91667
49	22	20.69443	25.20517	0.98873	0.81639	0.89892	0.98873	0.81535	0.89828	18.50584	21.68171	0.98958	0.84907	0.91838	0.98958	0.84828	0.91791
49	23	20.69443	25.09967	0.98873	0.81945	0.90077	0.98873	0.81834	0.90009	18.50584	21.61537	0.98958	0.85134	0.91970	0.98958	0.85050	0.91921
49	24	20.69443	24.98936	0.98873	0.82262	0.90268	0.98873	0.82143	0.90196	18.50584	21.54528	0.98958	0.85370	0.92107	0.98958	0.85280	0.92055
49	25	20.69443	24.87419	0.98873	0.82590	0.90465	0.98873	0.82463	0.90388	18.50584	21.47137	0.98958	0.85615	0.92250	0.98958	0.85519	0.92194
49	26	20.69443	24.75420	0.98873	0.82931	0.90669	0.98873	0.82793	0.90586	18.50584	21.39367	0.98958	0.85871	0.92398	0.98958	0.85767	0.92338
49	27	20.69443	24.62994	0.98873	0.83282	0.90879	0.98873	0.83134	0.90790	18.50584	21.31262	0.98958	0.86136	0.92551	0.98958	0.86024	0.92487
49	28	20.69443	24.50119	0.98873	0.83645	0.91094	0.98873	0.83485	0.90999	18.50584	21.22804	0.98958	0.86410	0.92710	0.98958	0.86290	0.92640
49	29	20.69443	24.36788	0.98873	0.84019	0.91316	0.98873	0.83847	0.91214	18.50584	21.13984	0.98958	0.86695	0.92873	0.98958	0.86565	0.92799
49	30	20.69443	24.23009	0.98873	0.84405	0.91543	0.98873	0.84219	0.91434	18.50584	21.04806	0.98958	0.86989	0.93042	0.98958	0.86849	0.92962
49	31	20.69443	24.08752	0.98873	0.84801	0.91775	0.98873	0.84602	0.91659	18.50584	20.95246	0.98958	0.87292	0.93215	0.98958	0.87142	0.93129
49	32	20.69443	23.94006	0.98873	0.85208	0.92013	0.98873	0.84994	0.91888	18.50584	20.85289	0.98958	0.87605	0.93393	0.98958	0.87444	0.93301
49	33	20.69443	23.78740	0.98873	0.85626	0.92257	0.98873	0.85396	0.92123	18.50584	20.74907	0.98958	0.87928	0.93576	0.98958	0.87754	0.93478
49	34	20.69443	23.62942	0.98873	0.86054	0.92504	0.98873	0.85807	0.92361	18.50584	20.64088	0.98958	0.88259	0.93763	0.98958	0.88073	0.93658

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
49	35	20.69443	23.46579	0.98873	0.86492	0.92757	0.98873	0.86226	0.92604	18.50584	20.52800	0.98958	0.88599	0.93955	0.98958	0.88399	0.93842
49	36	20.69443	23.29632	0.98873	0.86938	0.93013	0.98873	0.86653	0.92849	18.50584	20.41023	0.98958	0.88947	0.94150	0.98958	0.88733	0.94030
49	37	20.69443	23.12089	0.98873	0.87392	0.93272	0.98873	0.87087	0.93098	18.50584	20.28745	0.98958	0.89302	0.94349	0.98958	0.89073	0.94221
49	38	20.69443	22.93911	0.98873	0.87853	0.93534	0.98873	0.87527	0.93349	18.50584	20.15926	0.98958	0.89664	0.94551	0.98958	0.89418	0.94414
49	39	20.69443	22.75087	0.98873	0.88320	0.93798	0.98873	0.87971	0.93601	18.50584	20.02555	0.98958	0.90033	0.94755	0.98958	0.89769	0.94609
49	40	20.69443	22.55572	0.98873	0.88792	0.94063	0.98873	0.88419	0.93854	18.50584	19.88587	0.98958	0.90406	0.94961	0.98958	0.90124	0.94805
49	41	20.69443	22.35340	0.98873	0.89267	0.94329	0.98873	0.88869	0.94106	18.50584	19.73995	0.98958	0.90783	0.95169	0.98958	0.90482	0.95003
49	42	20.69443	22.14385	0.98873	0.89744	0.94595	0.98873	0.89320	0.94358	18.50584	19.58769	0.98958	0.91163	0.95377	0.98958	0.90841	0.95201
49	43	20.69443	21.92669	0.98873	0.90220	0.94859	0.98873	0.89769	0.94609	18.50584	19.42870	0.98958	0.91544	0.95585	0.98958	0.91201	0.95398
49	44	20.69443	21.70178	0.98873	0.90695	0.95121	0.98873	0.90217	0.94857	18.50584	19.26280	0.98958	0.91925	0.95793	0.98958	0.91561	0.95595
49	45	20.69443	21.46876	0.98873	0.91167	0.95379	0.98873	0.90660	0.95101	18.50584	19.08963	0.98958	0.92305	0.95999	0.98958	0.91919	0.95789
49	46	20.69443	21.22763	0.98873	0.91633	0.95634	0.98873	0.91098	0.95342	18.50584	18.90911	0.98958	0.92682	0.96202	0.98958	0.92273	0.95981
49	47	20.69443	20.97813	0.98873	0.92092	0.95883	0.98873	0.91529	0.95577	18.50584	18.72094	0.98958	0.93056	0.96403	0.98958	0.92623	0.96170
49	48	20.69443	20.72003	0.98873	0.92542	0.96127	0.98873	0.91951	0.95807	18.50584	18.52488	0.98958	0.93423	0.96600	0.98958	0.92968	0.96356
49	49	20.69443	20.45326	0.98873	0.92982	0.96363	0.98873	0.92363	0.96030	18.50584	18.32076	0.98958	0.93784	0.96792	0.98958	0.93305	0.96537
49	50	20.69443	20.17742	0.98873	0.93410	0.96593	0.98873	0.92765	0.96246	18.50584	18.10816	0.98958	0.94137	0.96980	0.98958	0.93635	0.96713
49	51	20.69443	19.89339	0.98873	0.93825	0.96814	0.98873	0.93153	0.96455	18.50584	17.88781	0.98958	0.94480	0.97162	0.98958	0.93956	0.96884
49	52	20.69443	19.60122	0.98873	0.94225	0.97027	0.98873	0.93529	0.96656	18.50584	17.65967	0.98958	0.94813	0.97338	0.98958	0.94268	0.97049
49	53	20.69443	19.30125	0.98873	0.94609	0.97230	0.98873	0.93891	0.96849	18.50584	17.42398	0.98958	0.95135	0.97507	0.98958	0.94569	0.97209
49	54	20.69443	18.99375	0.98873	0.94977	0.97424	0.98873	0.94238	0.97034	18.50584	17.18091	0.98958	0.95444	0.97669	0.98958	0.94859	0.97362
49	55	20.69443	18.67912	0.98873	0.95328	0.97608	0.98873	0.94571	0.97210	18.50584	16.93076	0.98958	0.95741	0.97824	0.98958	0.95138	0.97508
49	56	20.69443	18.35803	0.98873	0.95662	0.97783	0.98873	0.94888	0.97377	18.50584	16.67407	0.98958	0.96025	0.97972	0.98958	0.95406	0.97649
49	57	20.69443	18.02853	0.98873	0.95978	0.97948	0.98873	0.95190	0.97536	18.50584	16.40902	0.98958	0.96296	0.98113	0.98958	0.95662	0.97783
49	58	20.69443	17.69065	0.98873	0.96278	0.98103	0.98873	0.95477	0.97686	18.50584	16.13552	0.98958	0.96553	0.98246	0.98958	0.95906	0.97910
49	59	20.69443	17.34441	0.98873	0.96560	0.98250	0.98873	0.95749	0.97829	18.50584	15.85354	0.98958	0.96798	0.98373	0.98958	0.96139	0.98031
49	60	20.69443	16.98967	0.98873	0.96826	0.98387	0.98873	0.96007	0.97963	18.50584	15.56284	0.98958	0.97030	0.98493	0.98958	0.96360	0.98146
49	61	20.69443	16.62627	0.98873	0.97076	0.98516	0.98873	0.96251	0.98090	18.50584	15.26320	0.98958	0.97249	0.98605	0.98958	0.96571	0.98255
49	62	20.69443	16.25423	0.98873	0.97310	0.98637	0.98873	0.96481	0.98209	18.50584	14.95454	0.98958	0.97456	0.98712	0.98958	0.96770	0.98359
49	63	20.69443	15.87341	0.98873	0.97530	0.98749	0.98873	0.96698	0.98321	18.50584	14.63664	0.98958	0.97652	0.98812	0.98958	0.96960	0.98456
49	64	20.69443	15.48353	0.98873	0.97735	0.98855	0.98873	0.96903	0.98427	18.50584	14.30913	0.98958	0.97836	0.98906	0.98958	0.97139	0.98549
49	65	20.69443	15.08480	0.98873	0.97927	0.98953	0.98873	0.97096	0.98526	18.50584	13.97213	0.98958	0.98009	0.98994	0.98958	0.97309	0.98636
49	66	20.69443	14.67724	0.98873	0.98106	0.99044	0.98873	0.97277	0.98620	18.50584	13.62552	0.98958	0.98171	0.99077	0.98958	0.97470	0.98719
49	67	20.69443	14.26104	0.98873	0.98272	0.99129	0.98873	0.97449	0.98708	18.50584	13.26940	0.98958	0.98324	0.99155	0.98958	0.97622	0.98797
49	68	20.69443	13.83657	0.98873	0.98427	0.99208	0.98873	0.97610	0.98791	18.50584	12.90401	0.98958	0.98467	0.99227	0.98958	0.97767	0.98871
49	69	20.69443	13.40435	0.98873	0.98572	0.99281	0.98873	0.97763	0.98869	18.50584	12.52973	0.98958	0.98600	0.99295	0.98958	0.97903	0.98941
49	70	20.69443	12.96501	0.98873	0.98706	0.99349	0.98873	0.97907	0.98942	18.50584	12.14706	0.98958	0.98725	0.99359	0.98958	0.98033	0.99007
49	71	20.69443	12.51927	0.98873	0.98830	0.99411	0.98873	0.98042	0.99012	18.50584	11.75658	0.98958	0.98842	0.99418	0.98958	0.98156	0.99069
49	72	20.69443	12.06792	0.98873	0.98944	0.99469	0.98873	0.98171	0.99077	18.50584	11.35893	0.98958	0.98951	0.99473	0.98958	0.98273	0.99129
49	73	20.69443	11.61185	0.98873	0.99051	0.99523	0.98873	0.98292	0.99138	18.50584	10.95491	0.98958	0.99052	0.99524	0.98958	0.98383	0.99185
49	74	20.69443	11.15217	0.98873	0.99148	0.99572	0.98873	0.98406	0.99197	18.50584	10.54549	0.98958	0.99146	0.99571	0.98958	0.98488	0.99238
49	75	20.69443	10.68986	0.98873	0.99238	0.99618	0.98873	0.98514	0.99252	18.50584	10.13154	0.98958	0.99233	0.99615	0.98958	0.98588	0.99289

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
49	76	20.69443	10.22626	0.98873	0.99321	0.99659	0.98873	0.98617	0.99304	18.50584	9.71428	0.98958	0.99313	0.99655	0.98958	0.98683	0.99337
49	77	20.69443	9.76277	0.98873	0.99397	0.99697	0.98873	0.98714	0.99353	18.50584	9.29502	0.98958	0.99387	0.99693	0.98958	0.98772	0.99382
49	78	20.69443	9.30064	0.98873	0.99466	0.99732	0.98873	0.98805	0.99399	18.50584	8.87492	0.98958	0.99455	0.99727	0.98958	0.98858	0.99426
49	79	20.69443	8.84103	0.98873	0.99529	0.99764	0.98873	0.98892	0.99443	18.50584	8.45509	0.98958	0.99517	0.99758	0.98958	0.98938	0.99466
49	80	20.69443	8.38551	0.98873	0.99586	0.99792	0.98873	0.98973	0.99484	18.50584	8.03703	0.98958	0.99574	0.99787	0.98958	0.99015	0.99505
49	81	20.69443	7.93532	0.98873	0.99637	0.99818	0.98873	0.99050	0.99523	18.50584	7.62196	0.98958	0.99625	0.99812	0.98958	0.99087	0.99542
49	82	20.69443	7.49211	0.98873	0.99683	0.99841	0.98873	0.99123	0.99560	18.50584	7.21152	0.98958	0.99672	0.99836	0.98958	0.99156	0.99576
49	83	20.69443	7.05756	0.98873	0.99725	0.99862	0.98873	0.99191	0.99594	18.50584	6.80735	0.98958	0.99714	0.99857	0.98958	0.99220	0.99608
49	84	20.69443	6.63342	0.98873	0.99762	0.99881	0.98873	0.99255	0.99626	18.50584	6.41122	0.98958	0.99751	0.99876	0.98958	0.99280	0.99639
49	85	20.69443	6.22156	0.98873	0.99794	0.99897	0.98873	0.99315	0.99656	18.50584	6.02503	0.98958	0.99785	0.99892	0.98958	0.99337	0.99667
49	86	20.69443	5.82374	0.98873	0.99823	0.99911	0.98873	0.99370	0.99684	18.50584	5.65055	0.98958	0.99814	0.99907	0.98958	0.99390	0.99694
49	87	20.69443	5.44155	0.98873	0.99848	0.99924	0.98873	0.99422	0.99710	18.50584	5.28949	0.98958	0.99840	0.99920	0.98958	0.99439	0.99719
49	88	20.69443	5.07613	0.98873	0.99870	0.99935	0.98873	0.99470	0.99734	18.50584	4.94306	0.98958	0.99863	0.99931	0.98958	0.99485	0.99742
49	89	20.69443	4.72862	0.98873	0.99889	0.99945	0.98873	0.99514	0.99757	18.50584	4.61250	0.98958	0.99882	0.99941	0.98958	0.99527	0.99763
49	90	20.69443	4.40007	0.98873	0.99905	0.99953	0.98873	0.99555	0.99777	18.50584	4.29901	0.98958	0.99899	0.99950	0.98958	0.99567	0.99783
49	91	20.69443	4.09149	0.98873	0.99919	0.99960	0.98873	0.99592	0.99796	18.50584	4.00370	0.98958	0.99914	0.99957	0.98958	0.99602	0.99801
49	92	20.69443	3.80354	0.98873	0.99931	0.99966	0.98873	0.99626	0.99813	18.50584	3.72738	0.98958	0.99927	0.99963	0.98958	0.99635	0.99817
49	93	20.69443	3.53621	0.98873	0.99942	0.99971	0.98873	0.99658	0.99829	18.50584	3.47020	0.98958	0.99937	0.99969	0.98958	0.99665	0.99832
49	94	20.69443	3.28870	0.98873	0.99950	0.99975	0.98873	0.99686	0.99843	18.50584	3.23152	0.98958	0.99946	0.99973	0.98958	0.99693	0.99846
49	95	20.69443	3.05955	0.98873	0.99957	0.99979	0.98873	0.99712	0.99856	18.50584	3.01004	0.98958	0.99954	0.99977	0.98958	0.99718	0.99859
49	96	20.69443	2.84646	0.98873	0.99964	0.99982	0.98873	0.99735	0.99867	18.50584	2.80360	0.98958	0.99961	0.99980	0.98958	0.99740	0.99870
49	97	20.69443	2.65226	0.98873	0.99969	0.99984	0.98873	0.99756	0.99878	18.50584	2.61510	0.98958	0.99966	0.99983	0.98958	0.99761	0.99880
49	98	20.69443	2.47567	0.98873	0.99973	0.99987	0.98873	0.99775	0.99888	18.50584	2.44340	0.98958	0.99971	0.99985	0.98958	0.99779	0.99890
49	99	20.69443	2.31535	0.98873	0.99977	0.99988	0.98873	0.99793	0.99896	18.50584	2.28724	0.98958	0.99975	0.99987	0.98958	0.99796	0.99898
49	100	20.69443	2.16976	0.98873	0.99980	0.99990	0.98873	0.99808	0.99904	18.50584	2.14523	0.98958	0.99978	0.99989	0.98958	0.99811	0.99905
49	101	20.69443	2.03734	0.98873	0.99982	0.99991	0.98873	0.99822	0.99911	18.50584	2.01587	0.98958	0.99981	0.99990	0.98958	0.99825	0.99912
49	102	20.69443	1.91714	0.98873	0.99985	0.99992	0.98873	0.99834	0.99917	18.50584	1.89830	0.98958	0.99983	0.99992	0.98958	0.99837	0.99918
49	103	20.69443	1.80800	0.98873	0.99987	0.99993	0.98873	0.99846	0.99923	18.50584	1.79140	0.98958	0.99985	0.99993	0.98958	0.99848	0.99924
49	104	20.69443	1.70943	0.98873	0.99988	0.99994	0.98873	0.99856	0.99928	18.50584	1.69474	0.98958	0.99987	0.99993	0.98958	0.99858	0.99929
49	105	20.69443	1.62048	0.98873	0.99989	0.99995	0.98873	0.99865	0.99932	18.50584	1.60741	0.98958	0.99988	0.99994	0.98958	0.99866	0.99933
49	106	20.69443	1.54080	0.98873	0.99991	0.99995	0.98873	0.99873	0.99936	18.50584	1.52911	0.98958	0.99990	0.99995	0.98958	0.99874	0.99937
49	107	20.69443	1.47009	0.98873	0.99991	0.99996	0.98873	0.99879	0.99940	18.50584	1.45954	0.98958	0.99991	0.99995	0.98958	0.99881	0.99940
49	108	20.69443	1.40861	0.98873	0.99992	0.99996	0.98873	0.99885	0.99942	18.50584	1.39898	0.98958	0.99991	0.99996	0.98958	0.99886	0.99943
49	109	20.69443	1.35764	0.98873	0.99993	0.99996	0.98873	0.99889	0.99944	18.50584	1.34871	0.98958	0.99992	0.99996	0.98958	0.99890	0.99945
49	110	20.69443	1.32125	0.98873	0.99993	0.99997	0.98873	0.99892	0.99946	18.50584	1.31279	0.98958	0.99992	0.99996	0.98958	0.99893	0.99946
50	1	20.42561	26.72925	0.98741	0.76288	0.86549	0.98741	0.76248	0.86523	18.29981	22.57586	0.98833	0.80926	0.89458	0.98833	0.80895	0.89439
50	2	20.42561	26.68154	0.98741	0.76422	0.86636	0.98741	0.76382	0.86610	18.29981	22.55058	0.98833	0.81015	0.89512	0.98833	0.80984	0.89493
50	3	20.42561	26.63112	0.98741	0.76563	0.86726	0.98741	0.76522	0.86699	18.29981	22.52338	0.98833	0.81109	0.89569	0.98833	0.81077	0.89550
50	4	20.42561	26.57806	0.98741	0.76710	0.86820	0.98741	0.76667	0.86792	18.29981	22.49433	0.98833	0.81208	0.89630	0.98833	0.81175	0.89609
50	5	20.42561	26.52283	0.98741	0.76862	0.86918	0.98741	0.76817	0.86889	18.29981	22.46379	0.98833	0.81311	0.89693	0.98833	0.81277	0.89671
50	6	20.42561	26.46539	0.98741	0.77021	0.87019	0.98741	0.76974	0.86989	18.29981	22.43176	0.98833	0.81420	0.89758	0.98833	0.81383	0.89736

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
50	7	20.42561	26.40551	0.98741	0.77187	0.87125	0.98741	0.77138	0.87093	18.29981	22.39806	0.98833	0.81533	0.89827	0.98833	0.81495	0.89804
50	8	20.42561	26.34335	0.98741	0.77359	0.87234	0.98741	0.77307	0.87201	18.29981	22.36278	0.98833	0.81652	0.89899	0.98833	0.81611	0.89875
50	9	20.42561	26.27867	0.98741	0.77538	0.87348	0.98741	0.77483	0.87313	18.29981	22.32575	0.98833	0.81776	0.89974	0.98833	0.81733	0.89949
50	10	20.42561	26.21121	0.98741	0.77725	0.87466	0.98741	0.77667	0.87430	18.29981	22.28674	0.98833	0.81906	0.90053	0.98833	0.81861	0.90026
50	11	20.42561	26.14141	0.98741	0.77918	0.87589	0.98741	0.77857	0.87550	18.29981	22.24611	0.98833	0.82042	0.90135	0.98833	0.81994	0.90106
50	12	20.42561	26.06892	0.98741	0.78120	0.87716	0.98741	0.78055	0.87675	18.29981	22.20360	0.98833	0.82184	0.90221	0.98833	0.82133	0.90190
50	13	20.42561	25.99388	0.98741	0.78329	0.87848	0.98741	0.78260	0.87805	18.29981	22.15929	0.98833	0.82332	0.90310	0.98833	0.82278	0.90278
50	14	20.42561	25.91617	0.98741	0.78547	0.87985	0.98741	0.78474	0.87939	18.29981	22.11310	0.98833	0.82487	0.90403	0.98833	0.82430	0.90369
50	15	20.42561	25.83587	0.98741	0.78773	0.88126	0.98741	0.78696	0.88078	18.29981	22.06509	0.98833	0.82649	0.90500	0.98833	0.82589	0.90464
50	16	20.42561	25.75319	0.98741	0.79007	0.88273	0.98741	0.78926	0.88222	18.29981	22.01544	0.98833	0.82817	0.90601	0.98833	0.82754	0.90563
50	17	20.42561	25.66857	0.98741	0.79250	0.88424	0.98741	0.79165	0.88371	18.29981	21.96453	0.98833	0.82993	0.90706	0.98833	0.82926	0.90666
50	18	20.42561	25.58235	0.98741	0.79501	0.88580	0.98741	0.79414	0.88526	18.29981	21.91267	0.98833	0.83175	0.90815	0.98833	0.83107	0.90774
50	19	20.42561	25.49361	0.98741	0.79762	0.88742	0.98741	0.79671	0.88686	18.29981	21.85907	0.98833	0.83365	0.90928	0.98833	0.83295	0.90886
50	20	20.42561	25.40164	0.98741	0.80033	0.88909	0.98741	0.79939	0.88851	18.29981	21.80312	0.98833	0.83563	0.91046	0.98833	0.83491	0.91003
50	21	20.42561	25.30562	0.98741	0.80315	0.89083	0.98741	0.80216	0.89022	18.29981	21.74411	0.98833	0.83770	0.91168	0.98833	0.83695	0.91124
50	22	20.42561	25.20517	0.98741	0.80607	0.89263	0.98741	0.80504	0.89199	18.29981	21.68171	0.98833	0.83987	0.91297	0.98833	0.83908	0.91250
50	23	20.42561	25.09967	0.98741	0.80912	0.89449	0.98741	0.80802	0.89382	18.29981	21.61537	0.98833	0.84213	0.91430	0.98833	0.84129	0.91381
50	24	20.42561	24.98936	0.98741	0.81228	0.89642	0.98741	0.81111	0.89570	18.29981	21.54528	0.98833	0.84449	0.91569	0.98833	0.84360	0.91516
50	25	20.42561	24.87419	0.98741	0.81556	0.89841	0.98741	0.81430	0.89765	18.29981	21.47137	0.98833	0.84695	0.91714	0.98833	0.84599	0.91657
50	26	20.42561	24.75420	0.98741	0.81897	0.90047	0.98741	0.81760	0.89965	18.29981	21.39367	0.98833	0.84952	0.91864	0.98833	0.84848	0.91803
50	27	20.42561	24.62994	0.98741	0.82248	0.90260	0.98741	0.82101	0.90171	18.29981	21.31262	0.98833	0.85218	0.92019	0.98833	0.85106	0.91954
50	28	20.42561	24.50119	0.98741	0.82612	0.90478	0.98741	0.82453	0.90383	18.29981	21.22804	0.98833	0.85494	0.92180	0.98833	0.85373	0.92110
50	29	20.42561	24.36788	0.98741	0.82988	0.90703	0.98741	0.82817	0.90601	18.29981	21.13984	0.98833	0.85781	0.92346	0.98833	0.85650	0.92271
50	30	20.42561	24.23009	0.98741	0.83375	0.90934	0.98741	0.83191	0.90824	18.29981	21.04806	0.98833	0.86077	0.92518	0.98833	0.85937	0.92437
50	31	20.42561	24.08752	0.98741	0.83774	0.91171	0.98741	0.83576	0.91053	18.29981	20.95246	0.98833	0.86384	0.92695	0.98833	0.86233	0.92608
50	32	20.42561	23.94006	0.98741	0.84185	0.91414	0.98741	0.83972	0.91288	18.29981	20.85289	0.98833	0.86701	0.92877	0.98833	0.86539	0.92784
50	33	20.42561	23.78740	0.98741	0.84607	0.91662	0.98741	0.84378	0.91527	18.29981	20.74907	0.98833	0.87027	0.93064	0.98833	0.86853	0.92964
50	34	20.42561	23.62942	0.98741	0.85041	0.91916	0.98741	0.84794	0.91771	18.29981	20.64088	0.98833	0.87364	0.93256	0.98833	0.87177	0.93149
50	35	20.42561	23.46579	0.98741	0.85485	0.92174	0.98741	0.85220	0.92020	18.29981	20.52800	0.98833	0.87710	0.93453	0.98833	0.87509	0.93339
50	36	20.42561	23.29632	0.98741	0.85939	0.92438	0.98741	0.85654	0.92273	18.29981	20.41023	0.98833	0.88066	0.93654	0.98833	0.87850	0.93532
50	37	20.42561	23.12089	0.98741	0.86402	0.92705	0.98741	0.86097	0.92529	18.29981	20.28745	0.98833	0.88429	0.93859	0.98833	0.88197	0.93729
50	38	20.42561	22.93911	0.98741	0.86874	0.92976	0.98741	0.86547	0.92788	18.29981	20.15926	0.98833	0.88801	0.94069	0.98833	0.88552	0.93929
50	39	20.42561	22.75087	0.98741	0.87354	0.93250	0.98741	0.87003	0.93050	18.29981	20.02555	0.98833	0.89181	0.94281	0.98833	0.88913	0.94131
50	40	20.42561	22.55572	0.98741	0.87840	0.93526	0.98741	0.87464	0.93313	18.29981	19.88587	0.98833	0.89566	0.94496	0.98833	0.89280	0.94336
50	41	20.42561	22.35340	0.98741	0.88331	0.93804	0.98741	0.87928	0.93576	18.29981	19.73995	0.98833	0.89957	0.94713	0.98833	0.89650	0.94543
50	42	20.42561	22.14385	0.98741	0.88825	0.94082	0.98741	0.88395	0.93840	18.29981	19.58769	0.98833	0.90352	0.94932	0.98833	0.90024	0.94750
50	43	20.42561	21.92669	0.98741	0.89321	0.94360	0.98741	0.88863	0.94103	18.29981	19.42870	0.98833	0.90750	0.95151	0.98833	0.90400	0.94958
50	44	20.42561	21.70178	0.98741	0.89818	0.94636	0.98741	0.89330	0.94365	18.29981	19.26280	0.98833	0.91150	0.95370	0.98833	0.90776	0.95165
50	45	20.42561	21.46876	0.98741	0.90313	0.94910	0.98741	0.89795	0.94623	18.29981	19.08963	0.98833	0.91550	0.95589	0.98833	0.91152	0.95371
50	46	20.42561	21.22763	0.98741	0.90805	0.95181	0.98741	0.90256	0.94879	18.29981	18.90911	0.98833	0.91949	0.95806	0.98833	0.91526	0.95576
50	47	20.42561	20.97813	0.98741	0.91291	0.95447	0.98741	0.90711	0.95129	18.29981	18.72094	0.98833	0.92345	0.96020	0.98833	0.91897	0.95778

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
50	48	20.42561	20.72003	0.98741	0.91770	0.95708	0.98741	0.91159	0.95375	18.29981	18.52488	0.98833	0.92737	0.96232	0.98833	0.92264	0.95976
50	49	20.42561	20.45326	0.98741	0.92240	0.95963	0.98741	0.91599	0.95615	18.29981	18.32076	0.98833	0.93123	0.96439	0.98833	0.92624	0.96171
50	50	20.42561	20.17742	0.98741	0.92700	0.96212	0.98741	0.92028	0.95848	18.29981	18.10816	0.98833	0.93503	0.96642	0.98833	0.92978	0.96361
50	51	20.42561	19.89339	0.98741	0.93147	0.96452	0.98741	0.92445	0.96074	18.29981	17.88781	0.98833	0.93873	0.96840	0.98833	0.93323	0.96546
50	52	20.42561	19.60122	0.98741	0.93580	0.96683	0.98741	0.92850	0.96293	18.29981	17.65967	0.98833	0.94234	0.97031	0.98833	0.93659	0.96726
50	53	20.42561	19.30125	0.98741	0.93997	0.96906	0.98741	0.93242	0.96503	18.29981	17.42398	0.98833	0.94584	0.97216	0.98833	0.93985	0.96900
50	54	20.42561	18.99375	0.98741	0.94399	0.97119	0.98741	0.93619	0.96704	18.29981	17.18091	0.98833	0.94921	0.97394	0.98833	0.94301	0.97067
50	55	20.42561	18.67912	0.98741	0.94783	0.97321	0.98741	0.93981	0.96897	18.29981	16.93076	0.98833	0.95246	0.97565	0.98833	0.94605	0.97228
50	56	20.42561	18.35803	0.98741	0.95149	0.97514	0.98741	0.94327	0.97081	18.29981	16.67407	0.98833	0.95558	0.97728	0.98833	0.94898	0.97382
50	57	20.42561	18.02853	0.98741	0.95498	0.97697	0.98741	0.94658	0.97256	18.29981	16.40902	0.98833	0.95856	0.97884	0.98833	0.95179	0.97530
50	58	20.42561	17.69065	0.98741	0.95828	0.97870	0.98741	0.94974	0.97422	18.29981	16.13552	0.98833	0.96141	0.98032	0.98833	0.95447	0.97671
50	59	20.42561	17.34441	0.98741	0.96141	0.98033	0.98741	0.95273	0.97579	18.29981	15.85354	0.98833	0.96411	0.98173	0.98833	0.95704	0.97805
50	60	20.42561	16.98967	0.98741	0.96436	0.98186	0.98741	0.95557	0.97728	18.29981	15.56284	0.98833	0.96669	0.98306	0.98833	0.95948	0.97932
50	61	20.42561	16.62627	0.98741	0.96714	0.98330	0.98741	0.95826	0.97869	18.29981	15.26320	0.98833	0.96912	0.98432	0.98833	0.96180	0.98053
50	62	20.42561	16.25423	0.98741	0.96975	0.98465	0.98741	0.96081	0.98001	18.29981	14.95454	0.98833	0.97143	0.98551	0.98833	0.96401	0.98168
50	63	20.42561	15.87341	0.98741	0.97220	0.98591	0.98741	0.96321	0.98126	18.29981	14.63664	0.98833	0.97361	0.98663	0.98833	0.96611	0.98276
50	64	20.42561	15.48353	0.98741	0.97450	0.98708	0.98741	0.96548	0.98244	18.29981	14.30913	0.98833	0.97566	0.98768	0.98833	0.96809	0.98379
50	65	20.42561	15.08480	0.98741	0.97664	0.98818	0.98741	0.96761	0.98354	18.29981	13.97213	0.98833	0.97759	0.98867	0.98833	0.96997	0.98476
50	66	20.42561	14.67724	0.98741	0.97864	0.98921	0.98741	0.96963	0.98458	18.29981	13.62552	0.98833	0.97940	0.98959	0.98833	0.97176	0.98568
50	67	20.42561	14.26104	0.98741	0.98051	0.99016	0.98741	0.97153	0.98556	18.29981	13.26940	0.98833	0.98111	0.99046	0.98833	0.97345	0.98654
50	68	20.42561	13.83657	0.98741	0.98225	0.99104	0.98741	0.97332	0.98648	18.29981	12.90401	0.98833	0.98271	0.99128	0.98833	0.97504	0.98736
50	69	20.42561	13.40435	0.98741	0.98386	0.99187	0.98741	0.97500	0.98734	18.29981	12.52973	0.98833	0.98420	0.99204	0.98833	0.97656	0.98814
50	70	20.42561	12.96501	0.98741	0.98536	0.99263	0.98741	0.97659	0.98816	18.29981	12.14706	0.98833	0.98560	0.99275	0.98833	0.97799	0.98887
50	71	20.42561	12.51927	0.98741	0.98675	0.99333	0.98741	0.97809	0.98893	18.29981	11.75658	0.98833	0.98691	0.99341	0.98833	0.97935	0.98957
50	72	20.42561	12.06792	0.98741	0.98804	0.99398	0.98741	0.97951	0.98965	18.29981	11.35893	0.98833	0.98812	0.99403	0.98833	0.98064	0.99022
50	73	20.42561	11.61185	0.98741	0.98923	0.99459	0.98741	0.98085	0.99033	18.29981	10.95491	0.98833	0.98926	0.99460	0.98833	0.98186	0.99085
50	74	20.42561	11.15217	0.98741	0.99033	0.99514	0.98741	0.98211	0.99097	18.29981	10.54549	0.98833	0.99031	0.99513	0.98833	0.98302	0.99144
50	75	20.42561	10.68986	0.98741	0.99134	0.99565	0.98741	0.98330	0.99158	18.29981	10.13154	0.98833	0.99128	0.99562	0.98833	0.98412	0.99199
50	76	20.42561	10.22626	0.98741	0.99227	0.99612	0.98741	0.98443	0.99215	18.29981	9.71428	0.98833	0.99218	0.99608	0.98833	0.98516	0.99252
50	77	20.42561	9.76277	0.98741	0.99312	0.99655	0.98741	0.98550	0.99270	18.29981	9.29502	0.98833	0.99301	0.99649	0.98833	0.98615	0.99303
50	78	20.42561	9.30064	0.98741	0.99389	0.99694	0.98741	0.98651	0.99321	18.29981	8.87492	0.98833	0.99378	0.99688	0.98833	0.98709	0.99350
50	79	20.42561	8.84103	0.98741	0.99460	0.99729	0.98741	0.98746	0.99369	18.29981	8.45509	0.98833	0.99448	0.99723	0.98833	0.98798	0.99395
50	80	20.42561	8.38551	0.98741	0.99524	0.99762	0.98741	0.98836	0.99415	18.29981	8.03703	0.98833	0.99511	0.99755	0.98833	0.98882	0.99438
50	81	20.42561	7.93532	0.98741	0.99583	0.99791	0.98741	0.98921	0.99458	18.29981	7.62196	0.98833	0.99570	0.99784	0.98833	0.98962	0.99478
50	82	20.42561	7.49211	0.98741	0.99635	0.99817	0.98741	0.99001	0.99498	18.29981	7.21152	0.98833	0.99622	0.99811	0.98833	0.99038	0.99516
50	83	20.42561	7.05756	0.98741	0.99682	0.99841	0.98741	0.99077	0.99536	18.29981	6.80735	0.98833	0.99670	0.99835	0.98833	0.99109	0.99552
50	84	20.42561	6.63342	0.98741	0.99724	0.99862	0.98741	0.99148	0.99572	18.29981	6.41122	0.98833	0.99712	0.99856	0.98833	0.99176	0.99586
50	85	20.42561	6.22156	0.98741	0.99761	0.99880	0.98741	0.99214	0.99605	18.29981	6.02503	0.98833	0.99750	0.99875	0.98833	0.99239	0.99618
50	86	20.42561	5.82374	0.98741	0.99794	0.99897	0.98741	0.99276	0.99637	18.29981	5.65055	0.98833	0.99784	0.99892	0.98833	0.99298	0.99648
50	87	20.42561	5.44155	0.98741	0.99823	0.99911	0.98741	0.99334	0.99666	18.29981	5.28949	0.98833	0.99813	0.99907	0.98833	0.99353	0.99676
50	88	20.42561	5.07613	0.98741	0.99848	0.99924	0.98741	0.99388	0.99693	18.29981	4.94306	0.98833	0.99839	0.99920	0.98833	0.99405	0.99701

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
Retiree	Beneficiary	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Age	Age	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor
50	89	20.42561	4.72862	0.98741	0.99870	0.99935	0.98741	0.99437	0.99718	18.29981	4.61250	0.98833	0.99862	0.99931	0.98833	0.99452	0.99725
50	90	20.42561	4.40007	0.98741	0.99889	0.99944	0.98741	0.99483	0.99741	18.29981	4.29901	0.98833	0.99882	0.99941	0.98833	0.99497	0.99748
50	91	20.42561	4.09149	0.98741	0.99905	0.99953	0.98741	0.99526	0.99762	18.29981	4.00370	0.98833	0.99899	0.99949	0.98833	0.99537	0.99768
50	92	20.42561	3.80354	0.98741	0.99919	0.99959	0.98741	0.99565	0.99782	18.29981	3.72738	0.98833	0.99913	0.99957	0.98833	0.99575	0.99787
50	93	20.42561	3.53621	0.98741	0.99931	0.99965	0.98741	0.99600	0.99800	18.29981	3.47020	0.98833	0.99926	0.99963	0.98833	0.99609	0.99804
50	94	20.42561	3.28870	0.98741	0.99941	0.99970	0.98741	0.99633	0.99816	18.29981	3.23152	0.98833	0.99937	0.99968	0.98833	0.99640	0.99820
50	95	20.42561	3.05955	0.98741	0.99949	0.99975	0.98741	0.99662	0.99831	18.29981	3.01004	0.98833	0.99946	0.99973	0.98833	0.99669	0.99834
50	96	20.42561	2.84646	0.98741	0.99957	0.99978	0.98741	0.99689	0.99844	18.29981	2.80360	0.98833	0.99953	0.99977	0.98833	0.99695	0.99847
50	97	20.42561	2.65226	0.98741	0.99963	0.99981	0.98741	0.99714	0.99857	18.29981	2.61510	0.98833	0.99960	0.99980	0.98833	0.99719	0.99859
50	98	20.42561	2.47567	0.98741	0.99968	0.99984	0.98741	0.99736	0.99868	18.29981	2.44340	0.98833	0.99965	0.99983	0.98833	0.99740	0.99870
50	99	20.42561	2.31535	0.98741	0.99972	0.99986	0.98741	0.99756	0.99878	18.29981	2.28724	0.98833	0.99970	0.99985	0.98833	0.99760	0.99880
50	100	20.42561	2.16976	0.98741	0.99976	0.99988	0.98741	0.99774	0.99887	18.29981	2.14523	0.98833	0.99974	0.99987	0.98833	0.99777	0.99889
50	101	20.42561	2.03734	0.98741	0.99979	0.99990	0.98741	0.99790	0.99895	18.29981	2.01587	0.98833	0.99977	0.99989	0.98833	0.99793	0.99897
50	102	20.42561	1.91714	0.98741	0.99982	0.99991	0.98741	0.99805	0.99902	18.29981	1.89830	0.98833	0.99980	0.99990	0.98833	0.99808	0.99904
50	103	20.42561	1.80800	0.98741	0.99984	0.99992	0.98741	0.99818	0.99909	18.29981	1.79140	0.98833	0.99982	0.99991	0.98833	0.99821	0.99910
50	104	20.42561	1.70943	0.98741	0.99986	0.99993	0.98741	0.99830	0.99915	18.29981	1.69474	0.98833	0.99984	0.99992	0.98833	0.99832	0.99916
50	105	20.42561	1.62048	0.98741	0.99987	0.99994	0.98741	0.99840	0.99920	18.29981	1.60741	0.98833	0.99986	0.99993	0.98833	0.99842	0.99921
50	106	20.42561	1.54080	0.98741	0.99989	0.99994	0.98741	0.99850	0.99925	18.29981	1.52911	0.98833	0.99988	0.99994	0.98833	0.99851	0.99926
50	107	20.42561	1.47009	0.98741	0.99990	0.99995	0.98741	0.99857	0.99929	18.29981	1.45954	0.98833	0.99989	0.99994	0.98833	0.99859	0.99930
50	108	20.42561	1.40861	0.98741	0.99991	0.99995	0.98741	0.99864	0.99932	18.29981	1.39898	0.98833	0.99990	0.99995	0.98833	0.99866	0.99933
50	109	20.42561	1.35764	0.98741	0.99991	0.99996	0.98741	0.99869	0.99934	18.29981	1.34871	0.98833	0.99990	0.99995	0.98833	0.99870	0.99935
50	110	20.42561	1.32125	0.98741	0.99992	0.99996	0.98741	0.99872	0.99936	18.29981	1.31279	0.98833	0.99991	0.99995	0.98833	0.99874	0.99937
51	1	20.14911	26.72925	0.98600	0.75260	0.85884	0.98600	0.75220	0.85858	18.08654	22.57586	0.98697	0.79988	0.88881	0.98697	0.79956	0.88862
51	2	20.14911	26.68154	0.98600	0.75393	0.85971	0.98600	0.75353	0.85944	18.08654	22.55058	0.98697	0.80076	0.88936	0.98697	0.80044	0.88916
51	3	20.14911	26.63112	0.98600	0.75532	0.86061	0.98600	0.75491	0.86034	18.08654	22.52338	0.98697	0.80169	0.88993	0.98697	0.80137	0.88973
51	4	20.14911	26.57806	0.98600	0.75677	0.86155	0.98600	0.75634	0.86127	18.08654	22.49433	0.98697	0.80267	0.89054	0.98697	0.80233	0.89033
51	5	20.14911	26.52283	0.98600	0.75828	0.86253	0.98600	0.75784	0.86224	18.08654	22.46379	0.98697	0.80370	0.89117	0.98697	0.80335	0.89095
51	6	20.14911	26.46539	0.98600	0.75986	0.86354	0.98600	0.75939	0.86324	18.08654	22.43176	0.98697	0.80477	0.89183	0.98697	0.80440	0.89160
51	7	20.14911	26.40551	0.98600	0.76149	0.86460	0.98600	0.76100	0.86428	18.08654	22.39806	0.98697	0.80590	0.89252	0.98697	0.80551	0.89228
51	8	20.14911	26.34335	0.98600	0.76320	0.86570	0.98600	0.76268	0.86536	18.08654	22.36278	0.98697	0.80707	0.89324	0.98697	0.80667	0.89299
51	9	20.14911	26.27867	0.98600	0.76497	0.86684	0.98600	0.76442	0.86649	18.08654	22.32575	0.98697	0.80831	0.89399	0.98697	0.80788	0.89373
51	10	20.14911	26.21121	0.98600	0.76682	0.86802	0.98600	0.76624	0.86765	18.08654	22.28674	0.98697	0.80960	0.89478	0.98697	0.80914	0.89450
51	11	20.14911	26.14141	0.98600	0.76874	0.86925	0.98600	0.76812	0.86886	18.08654	22.24611	0.98697	0.81095	0.89561	0.98697	0.81046	0.89531
51	12	20.14911	26.06892	0.98600	0.77073	0.87052	0.98600	0.77008	0.87011	18.08654	22.20360	0.98697	0.81236	0.89647	0.98697	0.81185	0.89615
51	13	20.14911	25.99388	0.98600	0.77281	0.87185	0.98600	0.77212	0.87141	18.08654	22.15929	0.98697	0.81383	0.89736	0.98697	0.81329	0.89703
51	14	20.14911	25.91617	0.98600	0.77497	0.87322	0.98600	0.77424	0.87276	18.08654	22.11310	0.98697	0.81537	0.89830	0.98697	0.81480	0.89795
51	15	20.14911	25.83587	0.98600	0.77721	0.87464	0.98600	0.77644	0.87415	18.08654	22.06509	0.98697	0.81698	0.89927	0.98697	0.81637	0.89891
51	16	20.14911	25.75319	0.98600	0.77953	0.87611	0.98600	0.77872	0.87560	18.08654	22.01544	0.98697	0.81866	0.90029	0.98697	0.81802	0.89990
51	17	20.14911	25.66857	0.98600	0.78194	0.87763	0.98600	0.78110	0.87710	18.08654	21.96453	0.98697	0.82040	0.90134	0.98697	0.81974	0.90094
51	18	20.14911	25.58235	0.98600	0.78444	0.87920	0.98600	0.78356	0.87865	18.08654	21.91267	0.98697	0.82222	0.90244	0.98697	0.82153	0.90202
51	19	20.14911	25.49361	0.98600	0.78702	0.88082	0.98600	0.78612	0.88026	18.08654	21.85907	0.98697	0.82411	0.90357	0.98697	0.82340	0.90315

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
Retiree	Beneficiary	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Age	Age	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor
51	20	20.14911	25.40164	0.98600	0.78971	0.88250	0.98600	0.78878	0.88192	18.08654	21.80312	0.98697	0.82608	0.90476	0.98697	0.82536	0.90432
51	21	20.14911	25.30562	0.98600	0.79251	0.88425	0.98600	0.79154	0.88364	18.08654	21.74411	0.98697	0.82815	0.90600	0.98697	0.82740	0.90555
51	22	20.14911	25.20517	0.98600	0.79543	0.88606	0.98600	0.79440	0.88542	18.08654	21.68171	0.98697	0.83031	0.90729	0.98697	0.82952	0.90682
51	23	20.14911	25.09967	0.98600	0.79846	0.88794	0.98600	0.79737	0.88726	18.08654	21.61537	0.98697	0.83257	0.90864	0.98697	0.83173	0.90814
51	24	20.14911	24.98936	0.98600	0.80161	0.88988	0.98600	0.80045	0.88917	18.08654	21.54528	0.98697	0.83493	0.91004	0.98697	0.83404	0.90951
51	25	20.14911	24.87419	0.98600	0.80488	0.89190	0.98600	0.80363	0.89113	18.08654	21.47137	0.98697	0.83740	0.91150	0.98697	0.83643	0.91093
51	26	20.14911	24.75420	0.98600	0.80828	0.89398	0.98600	0.80693	0.89315	18.08654	21.39367	0.98697	0.83996	0.91302	0.98697	0.83893	0.91241
51	27	20.14911	24.62994	0.98600	0.81180	0.89612	0.98600	0.81034	0.89524	18.08654	21.31262	0.98697	0.84263	0.91460	0.98697	0.84151	0.91394
51	28	20.14911	24.50119	0.98600	0.81544	0.89834	0.98600	0.81387	0.89738	18.08654	21.22804	0.98697	0.84541	0.91623	0.98697	0.84420	0.91552
51	29	20.14911	24.36788	0.98600	0.81920	0.90061	0.98600	0.81750	0.89959	18.08654	21.13984	0.98697	0.84829	0.91792	0.98697	0.84698	0.91715
51	30	20.14911	24.23009	0.98600	0.82308	0.90296	0.98600	0.82126	0.90186	18.08654	21.04806	0.98697	0.85127	0.91966	0.98697	0.84987	0.91884
51	31	20.14911	24.08752	0.98600	0.82709	0.90537	0.98600	0.82513	0.90419	18.08654	20.95246	0.98697	0.85436	0.92146	0.98697	0.85285	0.92058
51	32	20.14911	23.94006	0.98600	0.83123	0.90784	0.98600	0.82911	0.90657	18.08654	20.85289	0.98697	0.85756	0.92332	0.98697	0.85594	0.92238
51	33	20.14911	23.78740	0.98600	0.83548	0.91037	0.98600	0.83321	0.90902	18.08654	20.74907	0.98697	0.86087	0.92523	0.98697	0.85912	0.92422
51	34	20.14911	23.62942	0.98600	0.83986	0.91296	0.98600	0.83741	0.91151	18.08654	20.64088	0.98697	0.86428	0.92720	0.98697	0.86240	0.92612
51	35	20.14911	23.46579	0.98600	0.84436	0.91561	0.98600	0.84172	0.91406	18.08654	20.52800	0.98697	0.86780	0.92922	0.98697	0.86577	0.92806
51	36	20.14911	23.29632	0.98600	0.84896	0.91831	0.98600	0.84613	0.91665	18.08654	20.41023	0.98697	0.87141	0.93129	0.98697	0.86924	0.93005
51	37	20.14911	23.12089	0.98600	0.85368	0.92106	0.98600	0.85063	0.91929	18.08654	20.28745	0.98697	0.87513	0.93341	0.98697	0.87279	0.93207
51	38	20.14911	22.93911	0.98600	0.85849	0.92386	0.98600	0.85521	0.92196	18.08654	20.15926	0.98697	0.87893	0.93557	0.98697	0.87642	0.93414
51	39	20.14911	22.75087	0.98600	0.86340	0.92669	0.98600	0.85988	0.92466	18.08654	20.02555	0.98697	0.88282	0.93777	0.98697	0.88012	0.93624
51	40	20.14911	22.55572	0.98600	0.86838	0.92955	0.98600	0.86460	0.92739	18.08654	19.88587	0.98697	0.88679	0.94000	0.98697	0.88389	0.93837
51	41	20.14911	22.35340	0.98600	0.87344	0.93244	0.98600	0.86939	0.93013	18.08654	19.73995	0.98697	0.89083	0.94226	0.98697	0.88772	0.94052
51	42	20.14911	22.14385	0.98600	0.87854	0.93535	0.98600	0.87421	0.93288	18.08654	19.58769	0.98697	0.89493	0.94455	0.98697	0.89159	0.94269
51	43	20.14911	21.92669	0.98600	0.88369	0.93826	0.98600	0.87905	0.93564	18.08654	19.42870	0.98697	0.89907	0.94685	0.98697	0.89549	0.94486
51	44	20.14911	21.70178	0.98600	0.88886	0.94116	0.98600	0.88391	0.93838	18.08654	19.26280	0.98697	0.90324	0.94916	0.98697	0.89942	0.94705
51	45	20.14911	21.46876	0.98600	0.89404	0.94406	0.98600	0.88877	0.94111	18.08654	19.08963	0.98697	0.90744	0.95147	0.98697	0.90335	0.94922
51	46	20.14911	21.22763	0.98600	0.89920	0.94692	0.98600	0.89360	0.94381	18.08654	18.90911	0.98697	0.91163	0.95377	0.98697	0.90728	0.95139
51	47	20.14911	20.97813	0.98600	0.90433	0.94976	0.98600	0.89839	0.94647	18.08654	18.72094	0.98697	0.91582	0.95606	0.98697	0.91120	0.95354
51	48	20.14911	20.72003	0.98600	0.90940	0.95255	0.98600	0.90312	0.94909	18.08654	18.52488	0.98697	0.91998	0.95832	0.98697	0.91508	0.95566
51	49	20.14911	20.45326	0.98600	0.91440	0.95529	0.98600	0.90778	0.95166	18.08654	18.32076	0.98697	0.92409	0.96055	0.98697	0.91891	0.95774
51	50	20.14911	20.17742	0.98600	0.91931	0.95796	0.98600	0.91235	0.95417	18.08654	18.10816	0.98697	0.92815	0.96274	0.98697	0.92268	0.95979
51	51	20.14911	19.89339	0.98600	0.92410	0.96056	0.98600	0.91681	0.95660	18.08654	17.88781	0.98697	0.93213	0.96487	0.98697	0.92638	0.96179
51	52	20.14911	19.60122	0.98600	0.92877	0.96307	0.98600	0.92116	0.95896	18.08654	17.65967	0.98697	0.93602	0.96696	0.98697	0.93000	0.96373
51	53	20.14911	19.30125	0.98600	0.93329	0.96549	0.98600	0.92538	0.96124	18.08654	17.42398	0.98697	0.93981	0.96897	0.98697	0.93352	0.96562
51	54	20.14911	18.99375	0.98600	0.93765	0.96782	0.98600	0.92946	0.96344	18.08654	17.18091	0.98697	0.94348	0.97092	0.98697	0.93694	0.96744
51	55	20.14911	18.67912	0.98600	0.94184	0.97005	0.98600	0.93339	0.96555	18.08654	16.93076	0.98697	0.94703	0.97279	0.98697	0.94025	0.96920
51	56	20.14911	18.35803	0.98600	0.94585	0.97217	0.98600	0.93716	0.96756	18.08654	16.67407	0.98697	0.95044	0.97459	0.98697	0.94344	0.97090
51	57	20.14911	18.02853	0.98600	0.94968	0.97419	0.98600	0.94078	0.96948	18.08654	16.40902	0.98697	0.95372	0.97631	0.98697	0.94651	0.97252
51	58	20.14911	17.69065	0.98600	0.95332	0.97610	0.98600	0.94423	0.97131	18.08654	16.13552	0.98697	0.95685	0.97795	0.98697	0.94945	0.97407
51	59	20.14911	17.34441	0.98600	0.95678	0.97791	0.98600	0.94752	0.97305	18.08654	15.85354	0.98697	0.95984	0.97951	0.98697	0.95227	0.97555
51	60	20.14911	16.98967	0.98600	0.96005	0.97962	0.98600	0.95064	0.97470	18.08654	15.56284	0.98697	0.96269	0.98099	0.98697	0.95496	0.97696

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS											POST-REFORMED BENEFIT TIERS						
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
51	61	20.14911	16.62627	0.98600	0.96313	0.98122	0.98600	0.95361	0.97625	18.08654	15.26320	0.98697	0.96539	0.98239	0.98697	0.95752	0.97830
51	62	20.14911	16.25423	0.98600	0.96604	0.98272	0.98600	0.95642	0.97772	18.08654	14.95454	0.98697	0.96795	0.98372	0.98697	0.95996	0.97957
51	63	20.14911	15.87341	0.98600	0.96876	0.98413	0.98600	0.95907	0.97911	18.08654	14.63664	0.98697	0.97038	0.98497	0.98697	0.96228	0.98078
51	64	20.14911	15.48353	0.98600	0.97132	0.98545	0.98600	0.96158	0.98041	18.08654	14.30913	0.98697	0.97266	0.98614	0.98697	0.96447	0.98192
51	65	20.14911	15.08480	0.98600	0.97372	0.98668	0.98600	0.96395	0.98164	18.08654	13.97213	0.98697	0.97482	0.98725	0.98697	0.96656	0.98299
51	66	20.14911	14.67724	0.98600	0.97596	0.98783	0.98600	0.96618	0.98280	18.08654	13.62552	0.98697	0.97684	0.98829	0.98697	0.96853	0.98401
51	67	20.14911	14.26104	0.98600	0.97804	0.98890	0.98600	0.96828	0.98389	18.08654	13.26940	0.98697	0.97875	0.98926	0.98697	0.97040	0.98498
51	68	20.14911	13.83657	0.98600	0.97999	0.98989	0.98600	0.97026	0.98491	18.08654	12.90401	0.98697	0.98053	0.99017	0.98697	0.97217	0.98589
51	69	20.14911	13.40435	0.98600	0.98180	0.99082	0.98600	0.97213	0.98587	18.08654	12.52973	0.98697	0.98220	0.99102	0.98697	0.97385	0.98675
51	70	20.14911	12.96501	0.98600	0.98348	0.99167	0.98600	0.97389	0.98677	18.08654	12.14706	0.98697	0.98377	0.99182	0.98697	0.97543	0.98756
51	71	20.14911	12.51927	0.98600	0.98504	0.99246	0.98600	0.97555	0.98762	18.08654	11.75658	0.98697	0.98523	0.99256	0.98697	0.97693	0.98833
51	72	20.14911	12.06792	0.98600	0.98648	0.99319	0.98600	0.97711	0.98842	18.08654	11.35893	0.98697	0.98659	0.99325	0.98697	0.97836	0.98906
51	73	20.14911	11.61185	0.98600	0.98781	0.99387	0.98600	0.97859	0.98918	18.08654	10.95491	0.98697	0.98786	0.99389	0.98697	0.97970	0.98975
51	74	20.14911	11.15217	0.98600	0.98904	0.99449	0.98600	0.97998	0.98989	18.08654	10.54549	0.98697	0.98903	0.99449	0.98697	0.98098	0.99040
51	75	20.14911	10.68986	0.98600	0.99018	0.99506	0.98600	0.98130	0.99056	18.08654	10.13154	0.98697	0.99012	0.99504	0.98697	0.98219	0.99102
51	76	20.14911	10.22626	0.98600	0.99122	0.99559	0.98600	0.98254	0.99119	18.08654	9.71428	0.98697	0.99113	0.99555	0.98697	0.98334	0.99160
51	77	20.14911	9.76277	0.98600	0.99217	0.99607	0.98600	0.98372	0.99179	18.08654	9.29502	0.98697	0.99206	0.99602	0.98697	0.98443	0.99215
51	78	20.14911	9.30064	0.98600	0.99304	0.99651	0.98600	0.98482	0.99235	18.08654	8.87492	0.98697	0.99292	0.99645	0.98697	0.98546	0.99268
51	79	20.14911	8.84103	0.98600	0.99384	0.99691	0.98600	0.98587	0.99289	18.08654	8.45509	0.98697	0.99370	0.99684	0.98697	0.98644	0.99318
51	80	20.14911	8.38551	0.98600	0.99456	0.99727	0.98600	0.98686	0.99339	18.08654	8.03703	0.98697	0.99442	0.99720	0.98697	0.98737	0.99365
51	81	20.14911	7.93532	0.98600	0.99522	0.99760	0.98600	0.98780	0.99386	18.08654	7.62196	0.98697	0.99507	0.99753	0.98697	0.98825	0.99409
51	82	20.14911	7.49211	0.98600	0.99581	0.99790	0.98600	0.98868	0.99431	18.08654	7.21152	0.98697	0.99567	0.99783	0.98697	0.98908	0.99451
51	83	20.14911	7.05756	0.98600	0.99634	0.99817	0.98600	0.98951	0.99473	18.08654	6.80735	0.98697	0.99620	0.99810	0.98697	0.98987	0.99491
51	84	20.14911	6.63342	0.98600	0.99682	0.99841	0.98600	0.99030	0.99512	18.08654	6.41122	0.98697	0.99668	0.99834	0.98697	0.99061	0.99528
51	85	20.14911	6.22156	0.98600	0.99724	0.99862	0.98600	0.99103	0.99550	18.08654	6.02503	0.98697	0.99711	0.99855	0.98697	0.99131	0.99564
51	86	20.14911	5.82374	0.98600	0.99761	0.99880	0.98600	0.99172	0.99584	18.08654	5.65055	0.98697	0.99750	0.99875	0.98697	0.99197	0.99597
51	87	20.14911	5.44155	0.98600	0.99794	0.99897	0.98600	0.99236	0.99617	18.08654	5.28949	0.98697	0.99783	0.99892	0.98697	0.99258	0.99628
51	88	20.14911	5.07613	0.98600	0.99823	0.99911	0.98600	0.99296	0.99647	18.08654	4.94306	0.98697	0.99813	0.99906	0.98697	0.99315	0.99656
51	89	20.14911	4.72862	0.98600	0.99848	0.99924	0.98600	0.99352	0.99675	18.08654	4.61250	0.98697	0.99839	0.99920	0.98697	0.99368	0.99683
51	90	20.14911	4.40007	0.98600	0.99870	0.99935	0.98600	0.99403	0.99701	18.08654	4.29901	0.98697	0.99862	0.99931	0.98697	0.99418	0.99708
51	91	20.14911	4.09149	0.98600	0.99889	0.99944	0.98600	0.99451	0.99725	18.08654	4.00370	0.98697	0.99881	0.99941	0.98697	0.99464	0.99731
51	92	20.14911	3.80354	0.98600	0.99905	0.99952	0.98600	0.99494	0.99747	18.08654	3.72738	0.98697	0.99898	0.99949	0.98697	0.99506	0.99752
51	93	20.14911	3.53621	0.98600	0.99918	0.99959	0.98600	0.99535	0.99767	18.08654	3.47020	0.98697	0.99913	0.99956	0.98697	0.99545	0.99772
51	94	20.14911	3.28870	0.98600	0.99930	0.99965	0.98600	0.99572	0.99785	18.08654	3.23152	0.98697	0.99925	0.99963	0.98697	0.99580	0.99790
51	95	20.14911	3.05955	0.98600	0.99940	0.99970	0.98600	0.99605	0.99802	18.08654	3.01004	0.98697	0.99936	0.99968	0.98697	0.99613	0.99806
51	96	20.14911	2.84646	0.98600	0.99949	0.99974	0.98600	0.99636	0.99818	18.08654	2.80360	0.98697	0.99945	0.99972	0.98697	0.99643	0.99821
51	97	20.14911	2.65226	0.98600	0.99956	0.99978	0.98600	0.99664	0.99832	18.08654	2.61510	0.98697	0.99952	0.99976	0.98697	0.99670	0.99835
51	98	20.14911	2.47567	0.98600	0.99962	0.99981	0.98600	0.99690	0.99845	18.08654	2.44340	0.98697	0.99959	0.99979	0.98697	0.99695	0.99847
51	99	20.14911	2.31535	0.98600	0.99967	0.99983	0.98600	0.99713	0.99856	18.08654	2.28724	0.98697	0.99964	0.99982	0.98697	0.99717	0.99858
51	100	20.14911	2.16976	0.98600	0.99971	0.99986	0.98600	0.99734	0.99867	18.08654	2.14523	0.98697	0.99969	0.99984	0.98697	0.99738	0.99869
51	101	20.14911	2.03734	0.98600	0.99975	0.99987	0.98600	0.99753	0.99876	18.08654	2.01587	0.98697	0.99973	0.99986	0.98697	0.99756	0.99878

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Retiree	Beneficiary	Retiree Annuity	Beneficiary Annuity Value	Option 1 Factor	Option 2 Factor	Option 3 Factor	Option 4 Factor	Option 5 Factor	Option 6 Factor	Retiree Annuity Value	Beneficiary Annuity Value	Option 1 Factor	Option 2 Factor	Option 3 Factor	Option 4 Factor	Option 5 Factor	Option 6 Factor
51	102	20.14911	1.91714	0.98600	0.99978	0.99989	0.98600	0.99770	0.99885	18.08654	1.89830	0.98697	0.99976	0.99988	0.98697	0.99773	0.99886
51	103	20.14911	1.80800	0.98600	0.99981	0.99990	0.98600	0.99785	0.99892	18.08654	1.79140	0.98697	0.99979	0.99990	0.98697	0.99788	0.99894
51	104	20.14911	1.70943	0.98600	0.99983	0.99991	0.98600	0.99799	0.99899	18.08654	1.69474	0.98697	0.99981	0.99991	0.98697	0.99802	0.99901
51	105	20.14911	1.62048	0.98600	0.99985	0.99992	0.98600	0.99811	0.99906	18.08654	1.60741	0.98697	0.99983	0.99992	0.98697	0.99814	0.99907
51	106	20.14911	1.54080	0.98600	0.99986	0.99993	0.98600	0.99822	0.99911	18.08654	1.52911	0.98697	0.99985	0.99993	0.98697	0.99824	0.99912
51	107	20.14911	1.47009	0.98600	0.99988	0.99994	0.98600	0.99831	0.99916	18.08654	1.45954	0.98697	0.99987	0.99993	0.98697	0.99833	0.99917
51	108	20.14911	1.40861	0.98600	0.99989	0.99994	0.98600	0.99839	0.99919	18.08654	1.39898	0.98697	0.99988	0.99994	0.98697	0.99841	0.99920
51	109	20.14911	1.35764	0.98600	0.99990	0.99995	0.98600	0.99845	0.99922	18.08654	1.34871	0.98697	0.99989	0.99994	0.98697	0.99847	0.99923
51	110	20.14911	1.32125	0.98600	0.99990	0.99995	0.98600	0.99849	0.99924	18.08654	1.31279	0.98697	0.99989	0.99995	0.98697	0.99851	0.99925
52	1	19.86499	26.72925	0.98451	0.74204	0.85192	0.98451	0.74164	0.85166	17.86599	22.57586	0.98553	0.79017	0.88279	0.98553	0.78985	0.88259
52	2	19.86499	26.68154	0.98451	0.74335	0.85279	0.98451	0.74295	0.85252	17.86599	22.55058	0.98553	0.79105	0.88334	0.98553	0.79073	0.88314
52	3	19.86499	26.63112	0.98451	0.74473	0.85369	0.98451	0.74431	0.85342	17.86599	22.52338	0.98553	0.79197	0.88391	0.98553	0.79164	0.88371
52	4	19.86499	26.57806	0.98451	0.74616	0.85463	0.98451	0.74573	0.85435	17.86599	22.49433	0.98553	0.79294	0.88451	0.98553	0.79260	0.88430
52	5	19.86499	26.52283	0.98451	0.74765	0.85561	0.98451	0.74721	0.85532	17.86599	22.46379	0.98553	0.79396	0.88515	0.98553	0.79360	0.88492
52	6	19.86499	26.46539	0.98451	0.74921	0.85662	0.98451	0.74874	0.85632	17.86599	22.43176	0.98553	0.79502	0.88581	0.98553	0.79465	0.88558
52	7	19.86499	26.40551	0.98451	0.75083	0.85768	0.98451	0.75034	0.85736	17.86599	22.39806	0.98553	0.79614	0.88650	0.98553	0.79575	0.88626
52	8	19.86499	26.34335	0.98451	0.75251	0.85878	0.98451	0.75199	0.85844	17.86599	22.36278	0.98553	0.79730	0.88722	0.98553	0.79689	0.88697
52	9	19.86499	26.27867	0.98451	0.75426	0.85992	0.98451	0.75372	0.85957	17.86599	22.32575	0.98553	0.79853	0.88798	0.98553	0.79809	0.88771
52	10	19.86499	26.21121	0.98451	0.75609	0.86111	0.98451	0.75551	0.86073	17.86599	22.28674	0.98553	0.79981	0.88877	0.98553	0.79935	0.88849
52	11	19.86499	26.14141	0.98451	0.75799	0.86234	0.98451	0.75738	0.86194	17.86599	22.24611	0.98553	0.80115	0.88960	0.98553	0.80066	0.88930
52	12	19.86499	26.06892	0.98451	0.75997	0.86362	0.98451	0.75932	0.86320	17.86599	22.20360	0.98553	0.80255	0.89046	0.98553	0.80203	0.89014
52	13	19.86499	25.99388	0.98451	0.76202	0.86494	0.98451	0.76134	0.86450	17.86599	22.15929	0.98553	0.80401	0.89136	0.98553	0.80346	0.89102
52	14	19.86499	25.91617	0.98451	0.76416	0.86632	0.98451	0.76343	0.86585	17.86599	22.11310	0.98553	0.80554	0.89230	0.98553	0.80496	0.89194
52	15	19.86499	25.83587	0.98451	0.76638	0.86774	0.98451	0.76561	0.86725	17.86599	22.06509	0.98553	0.80714	0.89328	0.98553	0.80653	0.89290
52	16	19.86499	25.75319	0.98451	0.76868	0.86921	0.98451	0.76788	0.86870	17.86599	22.01544	0.98553	0.80880	0.89430	0.98553	0.80816	0.89390
52	17	19.86499	25.66857	0.98451	0.77107	0.87074	0.98451	0.77023	0.87020	17.86599	21.96453	0.98553	0.81054	0.89536	0.98553	0.80987	0.89495
52	18	19.86499	25.58235	0.98451	0.77354	0.87231	0.98451	0.77268	0.87176	17.86599	21.91267	0.98553	0.81234	0.89646	0.98553	0.81165	0.89604
52	19	19.86499	25.49361	0.98451	0.77611	0.87394	0.98451	0.77522	0.87338	17.86599	21.85907	0.98553	0.81423	0.89760	0.98553	0.81352	0.89717
52	20	19.86499	25.40164	0.98451	0.77878	0.87563	0.98451	0.77786	0.87505	17.86599	21.80312	0.98553	0.81619	0.89880	0.98553	0.81547	0.89835
52	21	19.86499	25.30562	0.98451	0.78156	0.87739	0.98451	0.78060	0.87678	17.86599	21.74411	0.98553	0.81825	0.90004	0.98553	0.81750	0.89959
52	22	19.86499	25.20517	0.98451	0.78446	0.87921	0.98451	0.78344	0.87857	17.86599	21.68171	0.98553	0.82040	0.90134	0.98553	0.81961	0.90087
52	23	19.86499	25.09967	0.98451	0.78747	0.88110	0.98451	0.78640	0.88043	17.86599	21.61537	0.98553	0.82266	0.90270	0.98553	0.82182	0.90220
52	24	19.86499	24.98936	0.98451	0.79061	0.88306	0.98451	0.78946	0.88234	17.86599	21.54528	0.98553	0.82502	0.90412	0.98553	0.82412	0.90358
52	25	19.86499	24.87419	0.98451	0.79387	0.88509	0.98451	0.79263	0.88432	17.86599	21.47137	0.98553	0.82748	0.90560	0.98553	0.82652	0.90502
52	26	19.86499	24.75420	0.98451	0.79725	0.88719	0.98451	0.79592	0.88637	17.86599	21.39367	0.98553	0.83005	0.90713	0.98553	0.82901	0.90651
52	27	19.86499	24.62994	0.98451	0.80076	0.88936	0.98451	0.79933	0.88847	17.86599	21.31262	0.98553	0.83272	0.90873	0.98553	0.83160	0.90806
52	28	19.86499	24.50119	0.98451	0.80440	0.89160	0.98451	0.80285	0.89064	17.86599	21.22804	0.98553	0.83550	0.91038	0.98553	0.83430	0.90966
52	29	19.86499	24.36788	0.98451	0.80816	0.89390	0.98451	0.80649	0.89288	17.86599	21.13984	0.98553	0.83839	0.91209	0.98553	0.83709	0.91132
52	30	19.86499	24.23009	0.98451	0.81205	0.89628	0.98451	0.81025	0.89518	17.86599	21.04806	0.98553	0.84139	0.91386	0.98553	0.83999	0.91304
52	31	19.86499	24.08752	0.98451	0.81607	0.89872	0.98451	0.81413	0.89754	17.86599	20.95246	0.98553	0.84450	0.91569	0.98553	0.84299	0.91481
52	32	19.86499	23.94006	0.98451	0.82022	0.90123	0.98451	0.81813	0.89997	17.86599	20.85289	0.98553	0.84772	0.91759	0.98553	0.84610	0.91663

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
52	33	19.86499	23.78740	0.98451	0.82450	0.90381	0.98451	0.82224	0.90245	17.86599	20.74907	0.98553	0.85106	0.91954	0.98553	0.84931	0.91851
52	34	19.86499	23.62942	0.98451	0.82891	0.90645	0.98451	0.82648	0.90500	17.86599	20.64088	0.98553	0.85451	0.92155	0.98553	0.85262	0.92045
52	35	19.86499	23.46579	0.98451	0.83345	0.90916	0.98451	0.83083	0.90760	17.86599	20.52800	0.98553	0.85807	0.92361	0.98553	0.85604	0.92244
52	36	19.86499	23.29632	0.98451	0.83811	0.91193	0.98451	0.83529	0.91025	17.86599	20.41023	0.98553	0.86174	0.92574	0.98553	0.85956	0.92448
52	37	19.86499	23.12089	0.98451	0.84289	0.91475	0.98451	0.83985	0.91296	17.86599	20.28745	0.98553	0.86552	0.92791	0.98553	0.86317	0.92656
52	38	19.86499	22.93911	0.98451	0.84778	0.91762	0.98451	0.84452	0.91570	17.86599	20.15926	0.98553	0.86940	0.93014	0.98553	0.86687	0.92869
52	39	19.86499	22.75087	0.98451	0.85278	0.92054	0.98451	0.84927	0.91849	17.86599	20.02555	0.98553	0.87338	0.93241	0.98553	0.87066	0.93086
52	40	19.86499	22.55572	0.98451	0.85788	0.92350	0.98451	0.85410	0.92131	17.86599	19.88587	0.98553	0.87745	0.93473	0.98553	0.87452	0.93306
52	41	19.86499	22.35340	0.98451	0.86307	0.92650	0.98451	0.85900	0.92415	17.86599	19.73995	0.98553	0.88161	0.93708	0.98553	0.87846	0.93530
52	42	19.86499	22.14385	0.98451	0.86832	0.92952	0.98451	0.86396	0.92702	17.86599	19.58769	0.98553	0.88584	0.93946	0.98553	0.88245	0.93756
52	43	19.86499	21.92669	0.98451	0.87364	0.93256	0.98451	0.86896	0.92989	17.86599	19.42870	0.98553	0.89013	0.94187	0.98553	0.88649	0.93983
52	44	19.86499	21.70178	0.98451	0.87900	0.93560	0.98451	0.87400	0.93276	17.86599	19.26280	0.98553	0.89447	0.94429	0.98553	0.89057	0.94212
52	45	19.86499	21.46876	0.98451	0.88439	0.93865	0.98451	0.87904	0.93563	17.86599	19.08963	0.98553	0.89885	0.94673	0.98553	0.89467	0.94441
52	46	19.86499	21.22763	0.98451	0.88978	0.94168	0.98451	0.88408	0.93847	17.86599	18.90911	0.98553	0.90324	0.94916	0.98553	0.89879	0.94670
52	47	19.86499	20.97813	0.98451	0.89516	0.94468	0.98451	0.88910	0.94129	17.86599	18.72094	0.98553	0.90765	0.95159	0.98553	0.90290	0.94897
52	48	19.86499	20.72003	0.98451	0.90051	0.94765	0.98451	0.89408	0.94408	17.86599	18.52488	0.98553	0.91204	0.95400	0.98553	0.90699	0.95123
52	49	19.86499	20.45326	0.98451	0.90580	0.95057	0.98451	0.89900	0.94681	17.86599	18.32076	0.98553	0.91641	0.95638	0.98553	0.91105	0.95345
52	50	19.86499	20.17742	0.98451	0.91102	0.95344	0.98451	0.90384	0.94949	17.86599	18.10816	0.98553	0.92073	0.95873	0.98553	0.91506	0.95564
52	51	19.86499	19.89339	0.98451	0.91614	0.95624	0.98451	0.90860	0.95211	17.86599	17.88781	0.98553	0.92499	0.96103	0.98553	0.91901	0.95779
52	52	19.86499	19.60122	0.98451	0.92115	0.95896	0.98451	0.91325	0.95466	17.86599	17.65967	0.98553	0.92917	0.96328	0.98553	0.92288	0.95989
52	53	19.86499	19.30125	0.98451	0.92602	0.96159	0.98451	0.91777	0.95712	17.86599	17.42398	0.98553	0.93326	0.96548	0.98553	0.92667	0.96194
52	54	19.86499	18.99375	0.98451	0.93073	0.96412	0.98451	0.92217	0.95951	17.86599	17.18091	0.98553	0.93723	0.96760	0.98553	0.93036	0.96392
52	55	19.86499	18.67912	0.98451	0.93529	0.96656	0.98451	0.92641	0.96180	17.86599	16.93076	0.98553	0.94109	0.96965	0.98553	0.93394	0.96584
52	56	19.86499	18.35803	0.98451	0.93966	0.96889	0.98451	0.93051	0.96400	17.86599	16.67407	0.98553	0.94481	0.97162	0.98553	0.93741	0.96769
52	57	19.86499	18.02853	0.98451	0.94385	0.97111	0.98451	0.93445	0.96611	17.86599	16.40902	0.98553	0.94839	0.97351	0.98553	0.94075	0.96947
52	58	19.86499	17.69065	0.98451	0.94785	0.97323	0.98451	0.93822	0.96812	17.86599	16.13552	0.98553	0.95183	0.97532	0.98553	0.94397	0.97118
52	59	19.86499	17.34441	0.98451	0.95166	0.97523	0.98451	0.94182	0.97004	17.86599	15.85354	0.98553	0.95513	0.97705	0.98553	0.94706	0.97281
52	60	19.86499	16.98967	0.98451	0.95527	0.97712	0.98451	0.94525	0.97185	17.86599	15.56284	0.98553	0.95827	0.97869	0.98553	0.95001	0.97436
52	61	19.86499	16.62627	0.98451	0.95869	0.97891	0.98451	0.94851	0.97358	17.86599	15.26320	0.98553	0.96127	0.98025	0.98553	0.95283	0.97585
52	62	19.86499	16.25423	0.98451	0.96191	0.98059	0.98451	0.95161	0.97520	17.86599	14.95454	0.98553	0.96411	0.98173	0.98553	0.95552	0.97726
52	63	19.86499	15.87341	0.98451	0.96495	0.98216	0.98451	0.95454	0.97674	17.86599	14.63664	0.98553	0.96680	0.98312	0.98553	0.95808	0.97859
52	64	19.86499	15.48353	0.98451	0.96780	0.98364	0.98451	0.95731	0.97819	17.86599	14.30913	0.98553	0.96934	0.98443	0.98553	0.96051	0.97986
52	65	19.86499	15.08480	0.98451	0.97047	0.98501	0.98451	0.95993	0.97956	17.86599	13.97213	0.98553	0.97174	0.98567	0.98553	0.96282	0.98106
52	66	19.86499	14.67724	0.98451	0.97297	0.98630	0.98451	0.96240	0.98084	17.86599	13.62552	0.98553	0.97400	0.98683	0.98553	0.96500	0.98219
52	67	19.86499	14.26104	0.98451	0.97531	0.98750	0.98451	0.96473	0.98205	17.86599	13.26940	0.98553	0.97613	0.98792	0.98553	0.96707	0.98326
52	68	19.86499	13.83657	0.98451	0.97748	0.98861	0.98451	0.96693	0.98318	17.86599	12.90401	0.98553	0.97812	0.98894	0.98553	0.96903	0.98427
52	69	19.86499	13.40435	0.98451	0.97951	0.98965	0.98451	0.96899	0.98425	17.86599	12.52973	0.98553	0.97999	0.98989	0.98553	0.97089	0.98523
52	70	19.86499	12.96501	0.98451	0.98139	0.99061	0.98451	0.97094	0.98526	17.86599	12.14706	0.98553	0.98174	0.99079	0.98553	0.97264	0.98613
52	71	19.86499	12.51927	0.98451	0.98313	0.99149	0.98451	0.97278	0.98620	17.86599	11.75658	0.98553	0.98337	0.99162	0.98553	0.97430	0.98698
52	72	19.86499	12.06792	0.98451	0.98475	0.99232	0.98451	0.97450	0.98709	17.86599	11.35893	0.98553	0.98489	0.99239	0.98553	0.97587	0.98779
52	73	19.86499	11.61185	0.98451	0.98624	0.99307	0.98451	0.97613	0.98792	17.86599	10.95491	0.98553	0.98631	0.99311	0.98553	0.97736	0.98855

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
Retiree	Beneficiary	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Age	Age	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor
52	74	19.86499	11.15217	0.98451	0.98762	0.99377	0.98451	0.97767	0.98871	17.86599	10.54549	0.98553	0.98762	0.99377	0.98553	0.97877	0.98927
52	75	19.86499	10.68986	0.98451	0.98889	0.99441	0.98451	0.97912	0.98945	17.86599	10.13154	0.98553	0.98884	0.99439	0.98553	0.98011	0.98995
52	76	19.86499	10.22626	0.98451	0.99006	0.99500	0.98451	0.98049	0.99015	17.86599	9.71428	0.98553	0.98997	0.99496	0.98553	0.98137	0.99060
52	77	19.86499	9.76277	0.98451	0.99113	0.99554	0.98451	0.98178	0.99081	17.86599	9.29502	0.98553	0.99101	0.99549	0.98553	0.98257	0.99121
52	78	19.86499	9.30064	0.98451	0.99210	0.99604	0.98451	0.98300	0.99143	17.86599	8.87492	0.98553	0.99197	0.99597	0.98553	0.98370	0.99179
52	79	19.86499	8.84103	0.98451	0.99300	0.99649	0.98451	0.98415	0.99201	17.86599	8.45509	0.98553	0.99285	0.99641	0.98553	0.98478	0.99233
52	80	19.86499	8.38551	0.98451	0.99381	0.99690	0.98451	0.98524	0.99257	17.86599	8.03703	0.98553	0.99365	0.99682	0.98553	0.98580	0.99285
52	81	19.86499	7.93532	0.98451	0.99455	0.99727	0.98451	0.98627	0.99309	17.86599	7.62196	0.98553	0.99439	0.99719	0.98553	0.98677	0.99334
52	82	19.86499	7.49211	0.98451	0.99521	0.99760	0.98451	0.98724	0.99358	17.86599	7.21152	0.98553	0.99505	0.99752	0.98553	0.98768	0.99380
52	83	19.86499	7.05756	0.98451	0.99581	0.99790	0.98451	0.98815	0.99404	17.86599	6.80735	0.98553	0.99565	0.99782	0.98553	0.98855	0.99424
52	84	19.86499	6.63342	0.98451	0.99634	0.99817	0.98451	0.98901	0.99448	17.86599	6.41122	0.98553	0.99620	0.99809	0.98553	0.98936	0.99465
52	85	19.86499	6.22156	0.98451	0.99682	0.99841	0.98451	0.98982	0.99489	17.86599	6.02503	0.98553	0.99668	0.99834	0.98553	0.99013	0.99504
52	86	19.86499	5.82374	0.98451	0.99725	0.99862	0.98451	0.99058	0.99527	17.86599	5.65055	0.98553	0.99712	0.99856	0.98553	0.99085	0.99541
52	87	19.86499	5.44155	0.98451	0.99762	0.99881	0.98451	0.99129	0.99563	17.86599	5.28949	0.98553	0.99750	0.99875	0.98553	0.99153	0.99575
52	88	19.86499	5.07613	0.98451	0.99795	0.99897	0.98451	0.99195	0.99596	17.86599	4.94306	0.98553	0.99784	0.99892	0.98553	0.99216	0.99607
52	89	19.86499	4.72862	0.98451	0.99823	0.99912	0.98451	0.99257	0.99627	17.86599	4.61250	0.98553	0.99813	0.99907	0.98553	0.99275	0.99636
52	90	19.86499	4.40007	0.98451	0.99848	0.99924	0.98451	0.99314	0.99656	17.86599	4.29901	0.98553	0.99839	0.99920	0.98553	0.99330	0.99664
52	91	19.86499	4.09149	0.98451	0.99870	0.99935	0.98451	0.99367	0.99682	17.86599	4.00370	0.98553	0.99862	0.99931	0.98553	0.99381	0.99690
52	92	19.86499	3.80354	0.98451	0.99888	0.99944	0.98451	0.99416	0.99707	17.86599	3.72738	0.98553	0.99881	0.99940	0.98553	0.99429	0.99714
52	93	19.86499	3.53621	0.98451	0.99904	0.99952	0.98451	0.99461	0.99730	17.86599	3.47020	0.98553	0.99898	0.99949	0.98553	0.99472	0.99735
52	94	19.86499	3.28870	0.98451	0.99918	0.99959	0.98451	0.99503	0.99751	17.86599	3.23152	0.98553	0.99912	0.99956	0.98553	0.99513	0.99756
52	95	19.86499	3.05955	0.98451	0.99929	0.99965	0.98451	0.99541	0.99770	17.86599	3.01004	0.98553	0.99924	0.99962	0.98553	0.99549	0.99774
52	96	19.86499	2.84646	0.98451	0.99939	0.99970	0.98451	0.99576	0.99787	17.86599	2.80360	0.98553	0.99935	0.99967	0.98553	0.99583	0.99791
52	97	19.86499	2.65226	0.98451	0.99948	0.99974	0.98451	0.99607	0.99803	17.86599	2.61510	0.98553	0.99944	0.99972	0.98553	0.99614	0.99807
52	98	19.86499	2.47567	0.98451	0.99955	0.99977	0.98451	0.99636	0.99818	17.86599	2.44340	0.98553	0.99951	0.99976	0.98553	0.99642	0.99821
52	99	19.86499	2.31535	0.98451	0.99961	0.99980	0.98451	0.99663	0.99831	17.86599	2.28724	0.98553	0.99958	0.99979	0.98553	0.99668	0.99834
52	100	19.86499	2.16976	0.98451	0.99966	0.99983	0.98451	0.99687	0.99843	17.86599	2.14523	0.98553	0.99963	0.99981	0.98553	0.99692	0.99846
52	101	19.86499	2.03734	0.98451	0.99970	0.99985	0.98451	0.99709	0.99854	17.86599	2.01587	0.98553	0.99968	0.99984	0.98553	0.99713	0.99856
52	102	19.86499	1.91714	0.98451	0.99974	0.99987	0.98451	0.99728	0.99864	17.86599	1.89830	0.98553	0.99972	0.99986	0.98553	0.99732	0.99866
52	103	19.86499	1.80800	0.98451	0.99977	0.99988	0.98451	0.99746	0.99873	17.86599	1.79140	0.98553	0.99975	0.99987	0.98553	0.99750	0.99875
52	104	19.86499	1.70943	0.98451	0.99980	0.99990	0.98451	0.99762	0.99881	17.86599	1.69474	0.98553	0.99978	0.99989	0.98553	0.99765	0.99883
52	105	19.86499	1.62048	0.98451	0.99982	0.99991	0.98451	0.99777	0.99888	17.86599	1.60741	0.98553	0.99980	0.99990	0.98553	0.99780	0.99890
52	106	19.86499	1.54080	0.98451	0.99984	0.99992	0.98451	0.99789	0.99895	17.86599	1.52911	0.98553	0.99982	0.99991	0.98553	0.99792	0.99896
52	107	19.86499	1.47009	0.98451	0.99985	0.99993	0.98451	0.99800	0.99900	17.86599	1.45954	0.98553	0.99984	0.99992	0.98553	0.99803	0.99901
52	108	19.86499	1.40861	0.98451	0.99986	0.99993	0.98451	0.99809	0.99905	17.86599	1.39898	0.98553	0.99985	0.99993	0.98553	0.99812	0.99906
52	109	19.86499	1.35764	0.98451	0.99987	0.99994	0.98451	0.99816	0.99908	17.86599	1.34871	0.98553	0.99986	0.99993	0.98553	0.99818	0.99909
52	110	19.86499	1.32125	0.98451	0.99988	0.99994	0.98451	0.99821	0.99910	17.86599	1.31279	0.98553	0.99987	0.99993	0.98553	0.99823	0.99911
53	1	19.57376	26.72925	0.98297	0.73121	0.84474	0.98297	0.73081	0.84447	17.63860	22.57586	0.98404	0.78016	0.87651	0.98404	0.77984	0.87630
53	2	19.57376	26.68154	0.98297	0.73251	0.84560	0.98297	0.73211	0.84534	17.63860	22.55058	0.98404	0.78103	0.87705	0.98404	0.78070	0.87685
53	3	19.57376	26.63112	0.98297	0.73386	0.84651	0.98297	0.73345	0.84623	17.63860	22.52338	0.98404	0.78194	0.87763	0.98404	0.78161	0.87742
53	4	19.57376	26.57806	0.98297	0.73528	0.84745	0.98297	0.73485	0.84716	17.63860	22.49433	0.98404	0.78290	0.87823	0.98404	0.78256	0.87802

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
53	5	19.57376	26.52283	0.98297	0.73675	0.84842	0.98297	0.73631	0.84813	17.63860	22.46379	0.98404	0.78391	0.87886	0.98404	0.78355	0.87864
53	6	19.57376	26.46539	0.98297	0.73829	0.84944	0.98297	0.73782	0.84913	17.63860	22.43176	0.98404	0.78496	0.87953	0.98404	0.78459	0.87929
53	7	19.57376	26.40551	0.98297	0.73989	0.85050	0.98297	0.73940	0.85018	17.63860	22.39806	0.98404	0.78607	0.88022	0.98404	0.78567	0.87997
53	8	19.57376	26.34335	0.98297	0.74155	0.85160	0.98297	0.74104	0.85126	17.63860	22.36278	0.98404	0.78722	0.88094	0.98404	0.78681	0.88069
53	9	19.57376	26.27867	0.98297	0.74328	0.85274	0.98297	0.74274	0.85238	17.63860	22.32575	0.98404	0.78843	0.88170	0.98404	0.78800	0.88143
53	10	19.57376	26.21121	0.98297	0.74509	0.85393	0.98297	0.74452	0.85355	17.63860	22.28674	0.98404	0.78970	0.88250	0.98404	0.78924	0.88221
53	11	19.57376	26.14141	0.98297	0.74697	0.85516	0.98297	0.74636	0.85476	17.63860	22.24611	0.98404	0.79103	0.88333	0.98404	0.79054	0.88302
53	12	19.57376	26.06892	0.98297	0.74892	0.85644	0.98297	0.74828	0.85602	17.63860	22.20360	0.98404	0.79242	0.88419	0.98404	0.79190	0.88387
53	13	19.57376	25.99388	0.98297	0.75096	0.85777	0.98297	0.75027	0.85732	17.63860	22.15929	0.98404	0.79387	0.88509	0.98404	0.79332	0.88475
53	14	19.57376	25.91617	0.98297	0.75307	0.85914	0.98297	0.75235	0.85867	17.63860	22.11310	0.98404	0.79539	0.88604	0.98404	0.79481	0.88568
53	15	19.57376	25.83587	0.98297	0.75527	0.86057	0.98297	0.75450	0.86008	17.63860	22.06509	0.98404	0.79698	0.88702	0.98404	0.79636	0.88664
53	16	19.57376	25.75319	0.98297	0.75755	0.86205	0.98297	0.75675	0.86153	17.63860	22.01544	0.98404	0.79863	0.88804	0.98404	0.79799	0.88765
53	17	19.57376	25.66857	0.98297	0.75991	0.86358	0.98297	0.75908	0.86304	17.63860	21.96453	0.98404	0.80036	0.88911	0.98404	0.79968	0.88869
53	18	19.57376	25.58235	0.98297	0.76236	0.86516	0.98297	0.76150	0.86460	17.63860	21.91267	0.98404	0.80215	0.89021	0.98404	0.80146	0.88979
53	19	19.57376	25.49361	0.98297	0.76491	0.86680	0.98297	0.76402	0.86623	17.63860	21.85907	0.98404	0.80402	0.89136	0.98404	0.80331	0.89093
53	20	19.57376	25.40164	0.98297	0.76755	0.86849	0.98297	0.76664	0.86791	17.63860	21.80312	0.98404	0.80597	0.89256	0.98404	0.80525	0.89212
53	21	19.57376	25.30562	0.98297	0.77031	0.87025	0.98297	0.76936	0.86965	17.63860	21.74411	0.98404	0.80802	0.89382	0.98404	0.80727	0.89336
53	22	19.57376	25.20517	0.98297	0.77318	0.87208	0.98297	0.77219	0.87145	17.63860	21.68171	0.98404	0.81017	0.89513	0.98404	0.80938	0.89465
53	23	19.57376	25.09967	0.98297	0.77618	0.87399	0.98297	0.77512	0.87332	17.63860	21.61537	0.98404	0.81241	0.89650	0.98404	0.81158	0.89599
53	24	19.57376	24.98936	0.98297	0.77930	0.87596	0.98297	0.77817	0.87525	17.63860	21.54528	0.98404	0.81477	0.89793	0.98404	0.81388	0.89739
53	25	19.57376	24.87419	0.98297	0.78254	0.87800	0.98297	0.78132	0.87724	17.63860	21.47137	0.98404	0.81722	0.89942	0.98404	0.81627	0.89884
53	26	19.57376	24.75420	0.98297	0.78591	0.88012	0.98297	0.78460	0.87930	17.63860	21.39367	0.98404	0.81979	0.90097	0.98404	0.81876	0.90035
53	27	19.57376	24.62994	0.98297	0.78941	0.88231	0.98297	0.78799	0.88143	17.63860	21.31262	0.98404	0.82246	0.90258	0.98404	0.82135	0.90191
53	28	19.57376	24.50119	0.98297	0.79303	0.88457	0.98297	0.79150	0.88362	17.63860	21.22804	0.98404	0.82524	0.90425	0.98404	0.82404	0.90353
53	29	19.57376	24.36788	0.98297	0.79679	0.88690	0.98297	0.79514	0.88588	17.63860	21.13984	0.98404	0.82814	0.90599	0.98404	0.82684	0.90521
53	30	19.57376	24.23009	0.98297	0.80068	0.88931	0.98297	0.79889	0.88821	17.63860	21.04806	0.98404	0.83114	0.90779	0.98404	0.82975	0.90695
53	31	19.57376	24.08752	0.98297	0.80470	0.89178	0.98297	0.80278	0.89060	17.63860	20.95246	0.98404	0.83427	0.90965	0.98404	0.83276	0.90875
53	32	19.57376	23.94006	0.98297	0.80886	0.89433	0.98297	0.80679	0.89306	17.63860	20.85289	0.98404	0.83751	0.91157	0.98404	0.83589	0.91061
53	33	19.57376	23.78740	0.98297	0.81315	0.89695	0.98297	0.81092	0.89559	17.63860	20.74907	0.98404	0.84087	0.91355	0.98404	0.83912	0.91252
53	34	19.57376	23.62942	0.98297	0.81758	0.89964	0.98297	0.81518	0.89818	17.63860	20.64088	0.98404	0.84435	0.91560	0.98404	0.84246	0.91450
53	35	19.57376	23.46579	0.98297	0.82215	0.90240	0.98297	0.81956	0.90083	17.63860	20.52800	0.98404	0.84794	0.91772	0.98404	0.84592	0.91653
53	36	19.57376	23.29632	0.98297	0.82686	0.90522	0.98297	0.82406	0.90354	17.63860	20.41023	0.98404	0.85166	0.91989	0.98404	0.84948	0.91861
53	37	19.57376	23.12089	0.98297	0.83169	0.90811	0.98297	0.82868	0.90631	17.63860	20.28745	0.98404	0.85550	0.92212	0.98404	0.85314	0.92075
53	38	19.57376	22.93911	0.98297	0.83665	0.91106	0.98297	0.83340	0.90913	17.63860	20.15926	0.98404	0.85945	0.92441	0.98404	0.85691	0.92294
53	39	19.57376	22.75087	0.98297	0.84173	0.91406	0.98297	0.83823	0.91200	17.63860	20.02555	0.98404	0.86350	0.92675	0.98404	0.86077	0.92518
53	40	19.57376	22.55572	0.98297	0.84692	0.91712	0.98297	0.84315	0.91490	17.63860	19.88587	0.98404	0.86767	0.92914	0.98404	0.86472	0.92745
53	41	19.57376	22.35340	0.98297	0.85222	0.92022	0.98297	0.84816	0.91784	17.63860	19.73995	0.98404	0.87193	0.93158	0.98404	0.86875	0.92977
53	42	19.57376	22.14385	0.98297	0.85761	0.92335	0.98297	0.85324	0.92081	17.63860	19.58769	0.98404	0.87628	0.93406	0.98404	0.87286	0.93211
53	43	19.57376	21.92669	0.98297	0.86308	0.92651	0.98297	0.85839	0.92380	17.63860	19.42870	0.98404	0.88070	0.93657	0.98404	0.87702	0.93448
53	44	19.57376	21.70178	0.98297	0.86862	0.92969	0.98297	0.86358	0.92679	17.63860	19.26280	0.98404	0.88520	0.93910	0.98404	0.88124	0.93687
53	45	19.57376	21.46876	0.98297	0.87420	0.93288	0.98297	0.86880	0.92979	17.63860	19.08963	0.98404	0.88975	0.94166	0.98404	0.88550	0.93928

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
53	46	19.57376	21.22763	0.98297	0.87981	0.93606	0.98297	0.87403	0.93278	17.63860	18.90911	0.98404	0.89434	0.94422	0.98404	0.88979	0.94168
53	47	19.57376	20.97813	0.98297	0.88543	0.93923	0.98297	0.87927	0.93576	17.63860	18.72094	0.98404	0.89895	0.94679	0.98404	0.89409	0.94408
53	48	19.57376	20.72003	0.98297	0.89104	0.94238	0.98297	0.88448	0.93870	17.63860	18.52488	0.98404	0.90357	0.94934	0.98404	0.89839	0.94647
53	49	19.57376	20.45326	0.98297	0.89662	0.94549	0.98297	0.88966	0.94161	17.63860	18.32076	0.98404	0.90818	0.95188	0.98404	0.90266	0.94884
53	50	19.57376	20.17742	0.98297	0.90214	0.94855	0.98297	0.89477	0.94446	17.63860	18.10816	0.98404	0.91277	0.95439	0.98404	0.90691	0.95118
53	51	19.57376	19.89339	0.98297	0.90759	0.95156	0.98297	0.89981	0.94727	17.63860	17.88781	0.98404	0.91730	0.95687	0.98404	0.91110	0.95348
53	52	19.57376	19.60122	0.98297	0.91293	0.95448	0.98297	0.90476	0.95000	17.63860	17.65967	0.98404	0.92177	0.95929	0.98404	0.91524	0.95574
53	53	19.57376	19.30125	0.98297	0.91815	0.95733	0.98297	0.90960	0.95266	17.63860	17.42398	0.98404	0.92616	0.96167	0.98404	0.91929	0.95795
53	54	19.57376	18.99375	0.98297	0.92324	0.96009	0.98297	0.91431	0.95524	17.63860	17.18091	0.98404	0.93045	0.96397	0.98404	0.92326	0.96010
53	55	19.57376	18.67912	0.98297	0.92816	0.96274	0.98297	0.91889	0.95773	17.63860	16.93076	0.98404	0.93462	0.96621	0.98404	0.92712	0.96218
53	56	19.57376	18.35803	0.98297	0.93291	0.96529	0.98297	0.92332	0.96013	17.63860	16.67407	0.98404	0.93867	0.96836	0.98404	0.93088	0.96420
53	57	19.57376	18.02853	0.98297	0.93747	0.96773	0.98297	0.92759	0.96243	17.63860	16.40902	0.98404	0.94258	0.97044	0.98404	0.93451	0.96615
53	58	19.57376	17.69065	0.98297	0.94185	0.97006	0.98297	0.93169	0.96464	17.63860	16.13552	0.98404	0.94634	0.97243	0.98404	0.93802	0.96802
53	59	19.57376	17.34441	0.98297	0.94603	0.97227	0.98297	0.93562	0.96674	17.63860	15.85354	0.98404	0.94996	0.97434	0.98404	0.94139	0.96981
53	60	19.57376	16.98967	0.98297	0.95001	0.97437	0.98297	0.93938	0.96874	17.63860	15.56284	0.98404	0.95342	0.97616	0.98404	0.94463	0.97153
53	61	19.57376	16.62627	0.98297	0.95379	0.97635	0.98297	0.94296	0.97064	17.63860	15.26320	0.98404	0.95673	0.97789	0.98404	0.94773	0.97316
53	62	19.57376	16.25423	0.98297	0.95736	0.97822	0.98297	0.94637	0.97245	17.63860	14.95454	0.98404	0.95987	0.97953	0.98404	0.95069	0.97472
53	63	19.57376	15.87341	0.98297	0.96073	0.97997	0.98297	0.94960	0.97415	17.63860	14.63664	0.98404	0.96286	0.98108	0.98404	0.95351	0.97620
53	64	19.57376	15.48353	0.98297	0.96391	0.98162	0.98297	0.95266	0.97576	17.63860	14.30913	0.98404	0.96569	0.98254	0.98404	0.95620	0.97761
53	65	19.57376	15.08480	0.98297	0.96688	0.98316	0.98297	0.95556	0.97727	17.63860	13.97213	0.98404	0.96836	0.98392	0.98404	0.95875	0.97894
53	66	19.57376	14.67724	0.98297	0.96967	0.98460	0.98297	0.95829	0.97870	17.63860	13.62552	0.98404	0.97087	0.98522	0.98404	0.96117	0.98020
53	67	19.57376	14.26104	0.98297	0.97228	0.98595	0.98297	0.96087	0.98004	17.63860	13.26940	0.98404	0.97324	0.98644	0.98404	0.96346	0.98139
53	68	19.57376	13.83657	0.98297	0.97471	0.98719	0.98297	0.96330	0.98131	17.63860	12.90401	0.98404	0.97547	0.98758	0.98404	0.96563	0.98251
53	69	19.57376	13.40435	0.98297	0.97698	0.98835	0.98297	0.96559	0.98249	17.63860	12.52973	0.98404	0.97756	0.98865	0.98404	0.96768	0.98358
53	70	19.57376	12.96501	0.98297	0.97908	0.98943	0.98297	0.96775	0.98361	17.63860	12.14706	0.98404	0.97951	0.98965	0.98404	0.96962	0.98458
53	71	19.57376	12.51927	0.98297	0.98104	0.99043	0.98297	0.96978	0.98466	17.63860	11.75658	0.98404	0.98133	0.99058	0.98404	0.97146	0.98552
53	72	19.57376	12.06792	0.98297	0.98285	0.99135	0.98297	0.97169	0.98564	17.63860	11.35893	0.98404	0.98303	0.99144	0.98404	0.97320	0.98642
53	73	19.57376	11.61185	0.98297	0.98452	0.99220	0.98297	0.97349	0.98657	17.63860	10.95491	0.98404	0.98462	0.99225	0.98404	0.97484	0.98726
53	74	19.57376	11.15217	0.98297	0.98606	0.99298	0.98297	0.97519	0.98744	17.63860	10.54549	0.98404	0.98609	0.99299	0.98404	0.97640	0.98806
53	75	19.57376	10.68986	0.98297	0.98748	0.99370	0.98297	0.97679	0.98826	17.63860	10.13154	0.98404	0.98745	0.99368	0.98404	0.97787	0.98881
53	76	19.57376	10.22626	0.98297	0.98879	0.99436	0.98297	0.97830	0.98903	17.63860	9.71428	0.98404	0.98871	0.99432	0.98404	0.97926	0.98952
53	77	19.57376	9.76277	0.98297	0.98998	0.99497	0.98297	0.97972	0.98975	17.63860	9.29502	0.98404	0.98987	0.99491	0.98404	0.98058	0.99020
53	78	19.57376	9.30064	0.98297	0.99108	0.99552	0.98297	0.98106	0.99044	17.63860	8.87492	0.98404	0.99094	0.99545	0.98404	0.98183	0.99083
53	79	19.57376	8.84103	0.98297	0.99208	0.99602	0.98297	0.98232	0.99108	17.63860	8.45509	0.98404	0.99192	0.99594	0.98404	0.98301	0.99143
53	80	19.57376	8.38551	0.98297	0.99299	0.99648	0.98297	0.98352	0.99169	17.63860	8.03703	0.98404	0.99282	0.99640	0.98404	0.98413	0.99200
53	81	19.57376	7.93532	0.98297	0.99381	0.99690	0.98297	0.98465	0.99226	17.63860	7.62196	0.98404	0.99364	0.99681	0.98404	0.98519	0.99254
53	82	19.57376	7.49211	0.98297	0.99456	0.99727	0.98297	0.98571	0.99280	17.63860	7.21152	0.98404	0.99439	0.99719	0.98404	0.98619	0.99305
53	83	19.57376	7.05756	0.98297	0.99523	0.99761	0.98297	0.98671	0.99331	17.63860	6.80735	0.98404	0.99506	0.99752	0.98404	0.98714	0.99353
53	84	19.57376	6.63342	0.98297	0.99583	0.99791	0.98297	0.98765	0.99379	17.63860	6.41122	0.98404	0.99567	0.99783	0.98404	0.98803	0.99398
53	85	19.57376	6.22156	0.98297	0.99637	0.99818	0.98297	0.98854	0.99424	17.63860	6.02503	0.98404	0.99621	0.99810	0.98404	0.98888	0.99441
53	86	19.57376	5.82374	0.98297	0.99685	0.99842	0.98297	0.98937	0.99466	17.63860	5.65055	0.98404	0.99670	0.99835	0.98404	0.98967	0.99481

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
53	87	19.57376	5.44155	0.98297	0.99727	0.99863	0.98297	0.99015	0.99505	17.63860	5.28949	0.98404	0.99713	0.99856	0.98404	0.99041	0.99518
53	88	19.57376	5.07613	0.98297	0.99764	0.99882	0.98297	0.99088	0.99542	17.63860	4.94306	0.98404	0.99751	0.99876	0.98404	0.99111	0.99554
53	89	19.57376	4.72862	0.98297	0.99796	0.99898	0.98297	0.99155	0.99576	17.63860	4.61250	0.98404	0.99785	0.99892	0.98404	0.99176	0.99586
53	90	19.57376	4.40007	0.98297	0.99825	0.99912	0.98297	0.99218	0.99608	17.63860	4.29901	0.98404	0.99814	0.99907	0.98404	0.99237	0.99617
53	91	19.57376	4.09149	0.98297	0.99849	0.99924	0.98297	0.99277	0.99637	17.63860	4.00370	0.98404	0.99840	0.99920	0.98404	0.99293	0.99645
53	92	19.57376	3.80354	0.98297	0.99870	0.99935	0.98297	0.99331	0.99664	17.63860	3.72738	0.98404	0.99862	0.99931	0.98404	0.99345	0.99672
53	93	19.57376	3.53621	0.98297	0.99888	0.99944	0.98297	0.99381	0.99690	17.63860	3.47020	0.98404	0.99881	0.99940	0.98404	0.99394	0.99696
53	94	19.57376	3.28870	0.98297	0.99904	0.99952	0.98297	0.99428	0.99713	17.63860	3.23152	0.98404	0.99897	0.99949	0.98404	0.99439	0.99719
53	95	19.57376	3.05955	0.98297	0.99917	0.99959	0.98297	0.99470	0.99734	17.63860	3.01004	0.98404	0.99911	0.99956	0.98404	0.99480	0.99739
53	96	19.57376	2.84646	0.98297	0.99929	0.99964	0.98297	0.99509	0.99754	17.63860	2.80360	0.98404	0.99923	0.99962	0.98404	0.99518	0.99758
53	97	19.57376	2.65226	0.98297	0.99938	0.99969	0.98297	0.99545	0.99772	17.63860	2.61510	0.98404	0.99934	0.99967	0.98404	0.99553	0.99776
53	98	19.57376	2.47567	0.98297	0.99947	0.99973	0.98297	0.99578	0.99788	17.63860	2.44340	0.98404	0.99942	0.99971	0.98404	0.99584	0.99792
53	99	19.57376	2.31535	0.98297	0.99954	0.99977	0.98297	0.99607	0.99803	17.63860	2.28724	0.98404	0.99950	0.99975	0.98404	0.99613	0.99806
53	100	19.57376	2.16976	0.98297	0.99959	0.99980	0.98297	0.99634	0.99817	17.63860	2.14523	0.98404	0.99956	0.99978	0.98404	0.99640	0.99820
53	101	19.57376	2.03734	0.98297	0.99965	0.99982	0.98297	0.99659	0.99829	17.63860	2.01587	0.98404	0.99962	0.99981	0.98404	0.99664	0.99832
53	102	19.57376	1.91714	0.98297	0.99969	0.99984	0.98297	0.99682	0.99841	17.63860	1.89830	0.98404	0.99966	0.99983	0.98404	0.99686	0.99843
53	103	19.57376	1.80800	0.98297	0.99973	0.99986	0.98297	0.99702	0.99851	17.63860	1.79140	0.98404	0.99970	0.99985	0.98404	0.99706	0.99853
53	104	19.57376	1.70943	0.98297	0.99976	0.99988	0.98297	0.99721	0.99860	17.63860	1.69474	0.98404	0.99974	0.99987	0.98404	0.99724	0.99862
53	105	19.57376	1.62048	0.98297	0.99978	0.99989	0.98297	0.99737	0.99868	17.63860	1.60741	0.98404	0.99976	0.99988	0.98404	0.99741	0.99870
53	106	19.57376	1.54080	0.98297	0.99980	0.99990	0.98297	0.99752	0.99876	17.63860	1.52911	0.98404	0.99979	0.99989	0.98404	0.99755	0.99877
53	107	19.57376	1.47009	0.98297	0.99982	0.99991	0.98297	0.99765	0.99882	17.63860	1.45954	0.98404	0.99981	0.99990	0.98404	0.99767	0.99884
53	108	19.57376	1.40861	0.98297	0.99984	0.99992	0.98297	0.99775	0.99887	17.63860	1.39898	0.98404	0.99982	0.99991	0.98404	0.99778	0.99889
53	109	19.57376	1.35764	0.98297	0.99985	0.99992	0.98297	0.99783	0.99891	17.63860	1.34871	0.98404	0.99984	0.99992	0.98404	0.99785	0.99893
53	110	19.57376	1.32125	0.98297	0.99986	0.99993	0.98297	0.99788	0.99894	17.63860	1.31279	0.98404	0.99984	0.99992	0.98404	0.99791	0.99895
54	1	19.27589	26.72925	0.98141	0.72013	0.83730	0.98141	0.71973	0.83703	17.40471	22.57586	0.98252	0.76986	0.86997	0.98252	0.76954	0.86976
54	2	19.27589	26.68154	0.98141	0.72141	0.83816	0.98141	0.72101	0.83789	17.40471	22.55058	0.98252	0.77072	0.87051	0.98252	0.77039	0.87031
54	3	19.27589	26.63112	0.98141	0.72274	0.83906	0.98141	0.72234	0.83879	17.40471	22.52338	0.98252	0.77162	0.87109	0.98252	0.77129	0.87088
54	4	19.27589	26.57806	0.98141	0.72414	0.84000	0.98141	0.72372	0.83972	17.40471	22.49433	0.98252	0.77257	0.87169	0.98252	0.77222	0.87148
54	5	19.27589	26.52283	0.98141	0.72560	0.84098	0.98141	0.72515	0.84068	17.40471	22.46379	0.98252	0.77356	0.87233	0.98252	0.77321	0.87210
54	6	19.27589	26.46539	0.98141	0.72711	0.84200	0.98141	0.72665	0.84169	17.40471	22.43176	0.98252	0.77461	0.87299	0.98252	0.77423	0.87275
54	7	19.27589	26.40551	0.98141	0.72869	0.84305	0.98141	0.72820	0.84273	17.40471	22.39806	0.98252	0.77570	0.87368	0.98252	0.77531	0.87344
54	8	19.27589	26.34335	0.98141	0.73033	0.84415	0.98141	0.72982	0.84381	17.40471	22.36278	0.98252	0.77685	0.87441	0.98252	0.77643	0.87415
54	9	19.27589	26.27867	0.98141	0.73205	0.84530	0.98141	0.73151	0.84494	17.40471	22.32575	0.98252	0.77805	0.87517	0.98252	0.77761	0.87489
54	10	19.27589	26.21121	0.98141	0.73383	0.84648	0.98141	0.73326	0.84610	17.40471	22.28674	0.98252	0.77931	0.87597	0.98252	0.77884	0.87567
54	11	19.27589	26.14141	0.98141	0.73569	0.84772	0.98141	0.73508	0.84732	17.40471	22.24611	0.98252	0.78062	0.87680	0.98252	0.78013	0.87649
54	12	19.27589	26.06892	0.98141	0.73762	0.84900	0.98141	0.73698	0.84857	17.40471	22.20360	0.98252	0.78200	0.87766	0.98252	0.78148	0.87734
54	13	19.27589	25.99388	0.98141	0.73963	0.85033	0.98141	0.73895	0.84988	17.40471	22.15929	0.98252	0.78344	0.87857	0.98252	0.78289	0.87822
54	14	19.27589	25.91617	0.98141	0.74172	0.85171	0.98141	0.74100	0.85123	17.40471	22.11310	0.98252	0.78494	0.87952	0.98252	0.78436	0.87915
54	15	19.27589	25.83587	0.98141	0.74389	0.85314	0.98141	0.74313	0.85264	17.40471	22.06509	0.98252	0.78652	0.88050	0.98252	0.78590	0.88012
54	16	19.27589	25.75319	0.98141	0.74615	0.85462	0.98141	0.74535	0.85410	17.40471	22.01544	0.98252	0.78816	0.88153	0.98252	0.78751	0.88113
54	17	19.27589	25.66857	0.98141	0.74849	0.85615	0.98141	0.74766	0.85561	17.40471	21.96453	0.98252	0.78987	0.88260	0.98252	0.78919	0.88218

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
54	18	19.27589	25.58235	0.98141	0.75091	0.85774	0.98141	0.75006	0.85718	17.40471	21.91267	0.98252	0.79165	0.88371	0.98252	0.79096	0.88328
54	19	19.27589	25.49361	0.98141	0.75343	0.85938	0.98141	0.75255	0.85881	17.40471	21.85907	0.98252	0.79350	0.88486	0.98252	0.79280	0.88442
54	20	19.27589	25.40164	0.98141	0.75605	0.86108	0.98141	0.75515	0.86049	17.40471	21.80312	0.98252	0.79545	0.88607	0.98252	0.79472	0.88562
54	21	19.27589	25.30562	0.98141	0.75878	0.86285	0.98141	0.75784	0.86224	17.40471	21.74411	0.98252	0.79748	0.88733	0.98252	0.79673	0.88687
54	22	19.27589	25.20517	0.98141	0.76163	0.86469	0.98141	0.76065	0.86405	17.40471	21.68171	0.98252	0.79961	0.88865	0.98252	0.79883	0.88817
54	23	19.27589	25.09967	0.98141	0.76460	0.86660	0.98141	0.76356	0.86593	17.40471	21.61537	0.98252	0.80185	0.89003	0.98252	0.80102	0.88952
54	24	19.27589	24.98936	0.98141	0.76769	0.86858	0.98141	0.76658	0.86787	17.40471	21.54528	0.98252	0.80419	0.89147	0.98252	0.80331	0.89093
54	25	19.27589	24.87419	0.98141	0.77092	0.87064	0.98141	0.76972	0.86988	17.40471	21.47137	0.98252	0.80664	0.89297	0.98252	0.80569	0.89239
54	26	19.27589	24.75420	0.98141	0.77427	0.87277	0.98141	0.77298	0.87195	17.40471	21.39367	0.98252	0.80920	0.89454	0.98252	0.80818	0.89391
54	27	19.27589	24.62994	0.98141	0.77775	0.87498	0.98141	0.77635	0.87410	17.40471	21.31262	0.98252	0.81187	0.89617	0.98252	0.81076	0.89549
54	28	19.27589	24.50119	0.98141	0.78136	0.87726	0.98141	0.77985	0.87631	17.40471	21.22804	0.98252	0.81465	0.89786	0.98252	0.81345	0.89713
54	29	19.27589	24.36788	0.98141	0.78510	0.87961	0.98141	0.78347	0.87859	17.40471	21.13984	0.98252	0.81754	0.89961	0.98252	0.81625	0.89883
54	30	19.27589	24.23009	0.98141	0.78898	0.88204	0.98141	0.78723	0.88095	17.40471	21.04806	0.98252	0.82055	0.90143	0.98252	0.81916	0.90059
54	31	19.27589	24.08752	0.98141	0.79300	0.88455	0.98141	0.79111	0.88337	17.40471	20.95246	0.98252	0.82368	0.90332	0.98252	0.82219	0.90242
54	32	19.27589	23.94006	0.98141	0.79716	0.88713	0.98141	0.79512	0.88587	17.40471	20.85289	0.98252	0.82694	0.90527	0.98252	0.82532	0.90430
54	33	19.27589	23.78740	0.98141	0.80146	0.88979	0.98141	0.79926	0.88843	17.40471	20.74907	0.98252	0.83031	0.90729	0.98252	0.82857	0.90625
54	34	19.27589	23.62942	0.98141	0.80590	0.89252	0.98141	0.80353	0.89106	17.40471	20.64088	0.98252	0.83381	0.90938	0.98252	0.83194	0.90826
54	35	19.27589	23.46579	0.98141	0.81049	0.89533	0.98141	0.80793	0.89376	17.40471	20.52800	0.98252	0.83744	0.91153	0.98252	0.83542	0.91033
54	36	19.27589	23.29632	0.98141	0.81523	0.89821	0.98141	0.81246	0.89653	17.40471	20.41023	0.98252	0.84120	0.91375	0.98252	0.83902	0.91246
54	37	19.27589	23.12089	0.98141	0.82010	0.90116	0.98141	0.81712	0.89935	17.40471	20.28745	0.98252	0.84508	0.91603	0.98252	0.84273	0.91465
54	38	19.27589	22.93911	0.98141	0.82511	0.90418	0.98141	0.82189	0.90224	17.40471	20.15926	0.98252	0.84908	0.91838	0.98252	0.84654	0.91690
54	39	19.27589	22.75087	0.98141	0.83026	0.90726	0.98141	0.82678	0.90518	17.40471	20.02555	0.98252	0.85321	0.92079	0.98252	0.85047	0.91919
54	40	19.27589	22.55572	0.98141	0.83553	0.91040	0.98141	0.83178	0.90817	17.40471	19.88587	0.98252	0.85745	0.92325	0.98252	0.85449	0.92154
54	41	19.27589	22.35340	0.98141	0.84093	0.91359	0.98141	0.83688	0.91120	17.40471	19.73995	0.98252	0.86180	0.92577	0.98252	0.85861	0.92393
54	42	19.27589	22.14385	0.98141	0.84644	0.91683	0.98141	0.84207	0.91427	17.40471	19.58769	0.98252	0.86626	0.92834	0.98252	0.86282	0.92636
54	43	19.27589	21.92669	0.98141	0.85204	0.92011	0.98141	0.84734	0.91736	17.40471	19.42870	0.98252	0.87081	0.93095	0.98252	0.86710	0.92882
54	44	19.27589	21.70178	0.98141	0.85773	0.92342	0.98141	0.85268	0.92048	17.40471	19.26280	0.98252	0.87545	0.93359	0.98252	0.87145	0.93131
54	45	19.27589	21.46876	0.98141	0.86349	0.92675	0.98141	0.85806	0.92361	17.40471	19.08963	0.98252	0.88016	0.93626	0.98252	0.87586	0.93382
54	46	19.27589	21.22763	0.98141	0.86931	0.93008	0.98141	0.86348	0.92674	17.40471	18.90911	0.98252	0.88493	0.93895	0.98252	0.88031	0.93634
54	47	19.27589	20.97813	0.98141	0.87515	0.93342	0.98141	0.86892	0.92986	17.40471	18.72094	0.98252	0.88974	0.94165	0.98252	0.88479	0.93887
54	48	19.27589	20.72003	0.98141	0.88101	0.93674	0.98141	0.87436	0.93297	17.40471	18.52488	0.98252	0.89458	0.94435	0.98252	0.88928	0.94139
54	49	19.27589	20.45326	0.98141	0.88686	0.94004	0.98141	0.87977	0.93604	17.40471	18.32076	0.98252	0.89942	0.94705	0.98252	0.89377	0.94390
54	50	19.27589	20.17742	0.98141	0.89268	0.94330	0.98141	0.88515	0.93908	17.40471	18.10816	0.98252	0.90426	0.94973	0.98252	0.89824	0.94639
54	51	19.27589	19.89339	0.98141	0.89844	0.94650	0.98141	0.89047	0.94206	17.40471	17.88781	0.98252	0.90907	0.95237	0.98252	0.90268	0.94885
54	52	19.27589	19.60122	0.98141	0.90412	0.94965	0.98141	0.89571	0.94499	17.40471	17.65967	0.98252	0.91383	0.95498	0.98252	0.90707	0.95127
54	53	19.27589	19.30125	0.98141	0.90970	0.95271	0.98141	0.90086	0.94785	17.40471	17.42398	0.98252	0.91853	0.95753	0.98252	0.91140	0.95364
54	54	19.27589	18.99375	0.98141	0.91514	0.95569	0.98141	0.90590	0.95063	17.40471	17.18091	0.98252	0.92313	0.96003	0.98252	0.91564	0.95596
54	55	19.27589	18.67912	0.98141	0.92045	0.95858	0.98141	0.91081	0.95332	17.40471	16.93076	0.98252	0.92763	0.96246	0.98252	0.91980	0.95822
54	56	19.27589	18.35803	0.98141	0.92558	0.96135	0.98141	0.91558	0.95593	17.40471	16.67407	0.98252	0.93201	0.96481	0.98252	0.92385	0.96042
54	57	19.27589	18.02853	0.98141	0.93054	0.96402	0.98141	0.92019	0.95844	17.40471	16.40902	0.98252	0.93625	0.96708	0.98252	0.92778	0.96254
54	58	19.27589	17.69065	0.98141	0.93532	0.96658	0.98141	0.92465	0.96085	17.40471	16.13552	0.98252	0.94036	0.96927	0.98252	0.93159	0.96459

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
54	59	19.27589	17.34441	0.98141	0.93989	0.96901	0.98141	0.92893	0.96315	17.40471	15.85354	0.98252	0.94432	0.97136	0.98252	0.93527	0.96655
54	60	19.27589	16.98967	0.98141	0.94426	0.97133	0.98141	0.93303	0.96535	17.40471	15.56284	0.98252	0.94812	0.97337	0.98252	0.93881	0.96844
54	61	19.27589	16.62627	0.98141	0.94842	0.97353	0.98141	0.93695	0.96745	17.40471	15.26320	0.98252	0.95176	0.97529	0.98252	0.94221	0.97024
54	62	19.27589	16.25423	0.98141	0.95237	0.97560	0.98141	0.94069	0.96944	17.40471	14.95454	0.98252	0.95524	0.97711	0.98252	0.94546	0.97197
54	63	19.27589	15.87341	0.98141	0.95610	0.97756	0.98141	0.94424	0.97132	17.40471	14.63664	0.98252	0.95854	0.97883	0.98252	0.94857	0.97360
54	64	19.27589	15.48353	0.98141	0.95962	0.97940	0.98141	0.94762	0.97310	17.40471	14.30913	0.98252	0.96167	0.98046	0.98252	0.95153	0.97516
54	65	19.27589	15.08480	0.98141	0.96293	0.98112	0.98141	0.95081	0.97479	17.40471	13.97213	0.98252	0.96464	0.98200	0.98252	0.95434	0.97664
54	66	19.27589	14.67724	0.98141	0.96604	0.98273	0.98141	0.95384	0.97637	17.40471	13.62552	0.98252	0.96744	0.98345	0.98252	0.95701	0.97804
54	67	19.27589	14.26104	0.98141	0.96895	0.98423	0.98141	0.95669	0.97787	17.40471	13.26940	0.98252	0.97008	0.98482	0.98252	0.95955	0.97936
54	68	19.27589	13.83657	0.98141	0.97167	0.98563	0.98141	0.95938	0.97927	17.40471	12.90401	0.98252	0.97257	0.98609	0.98252	0.96195	0.98061
54	69	19.27589	13.40435	0.98141	0.97420	0.98693	0.98141	0.96192	0.98059	17.40471	12.52973	0.98252	0.97489	0.98729	0.98252	0.96423	0.98179
54	70	19.27589	12.96501	0.98141	0.97656	0.98814	0.98141	0.96431	0.98183	17.40471	12.14706	0.98252	0.97707	0.98840	0.98252	0.96638	0.98290
54	71	19.27589	12.51927	0.98141	0.97874	0.98926	0.98141	0.96656	0.98299	17.40471	11.75658	0.98252	0.97911	0.98944	0.98252	0.96841	0.98395
54	72	19.27589	12.06792	0.98141	0.98076	0.99029	0.98141	0.96867	0.98409	17.40471	11.35893	0.98252	0.98101	0.99041	0.98252	0.97034	0.98495
54	73	19.27589	11.61185	0.98141	0.98264	0.99124	0.98141	0.97066	0.98511	17.40471	10.95491	0.98252	0.98278	0.99131	0.98252	0.97215	0.98588
54	74	19.27589	11.15217	0.98141	0.98436	0.99212	0.98141	0.97254	0.98608	17.40471	10.54549	0.98252	0.98442	0.99215	0.98252	0.97387	0.98676
54	75	19.27589	10.68986	0.98141	0.98595	0.99293	0.98141	0.97431	0.98699	17.40471	10.13154	0.98252	0.98594	0.99292	0.98252	0.97550	0.98760
54	76	19.27589	10.22626	0.98141	0.98741	0.99367	0.98141	0.97597	0.98784	17.40471	9.71428	0.98252	0.98734	0.99363	0.98252	0.97703	0.98838
54	77	19.27589	9.76277	0.98141	0.98875	0.99434	0.98141	0.97753	0.98864	17.40471	9.29502	0.98252	0.98864	0.99429	0.98252	0.97848	0.98912
54	78	19.27589	9.30064	0.98141	0.98997	0.99496	0.98141	0.97901	0.98939	17.40471	8.87492	0.98252	0.98983	0.99489	0.98252	0.97986	0.98983
54	79	19.27589	8.84103	0.98141	0.99109	0.99553	0.98141	0.98040	0.99010	17.40471	8.45509	0.98252	0.99093	0.99544	0.98252	0.98115	0.99049
54	80	19.27589	8.38551	0.98141	0.99211	0.99604	0.98141	0.98171	0.99077	17.40471	8.03703	0.98252	0.99193	0.99595	0.98252	0.98238	0.99111
54	81	19.27589	7.93532	0.98141	0.99303	0.99650	0.98141	0.98295	0.99140	17.40471	7.62196	0.98252	0.99284	0.99641	0.98252	0.98354	0.99170
54	82	19.27589	7.49211	0.98141	0.99386	0.99692	0.98141	0.98411	0.99199	17.40471	7.21152	0.98252	0.99368	0.99683	0.98252	0.98464	0.99226
54	83	19.27589	7.05756	0.98141	0.99461	0.99730	0.98141	0.98521	0.99255	17.40471	6.80735	0.98252	0.99443	0.99721	0.98252	0.98568	0.99279
54	84	19.27589	6.63342	0.98141	0.99529	0.99764	0.98141	0.98624	0.99307	17.40471	6.41122	0.98252	0.99511	0.99755	0.98252	0.98666	0.99328
54	85	19.27589	6.22156	0.98141	0.99589	0.99794	0.98141	0.98721	0.99356	17.40471	6.02503	0.98252	0.99572	0.99785	0.98252	0.98758	0.99375
54	86	19.27589	5.82374	0.98141	0.99642	0.99821	0.98141	0.98812	0.99402	17.40471	5.65055	0.98252	0.99626	0.99813	0.98252	0.98844	0.99419
54	87	19.27589	5.44155	0.98141	0.99689	0.99845	0.98141	0.98897	0.99445	17.40471	5.28949	0.98252	0.99675	0.99837	0.98252	0.98926	0.99460
54	88	19.27589	5.07613	0.98141	0.99731	0.99865	0.98141	0.98976	0.99485	17.40471	4.94306	0.98252	0.99717	0.99858	0.98252	0.99002	0.99498
54	89	19.27589	4.72862	0.98141	0.99768	0.99884	0.98141	0.99050	0.99523	17.40471	4.61250	0.98252	0.99755	0.99877	0.98252	0.99073	0.99534
54	90	19.27589	4.40007	0.98141	0.99799	0.99900	0.98141	0.99120	0.99558	17.40471	4.29901	0.98252	0.99788	0.99894	0.98252	0.99140	0.99568
54	91	19.27589	4.09149	0.98141	0.99827	0.99913	0.98141	0.99184	0.99590	17.40471	4.00370	0.98252	0.99817	0.99908	0.98252	0.99201	0.99599
54	92	19.27589	3.80354	0.98141	0.99851	0.99925	0.98141	0.99243	0.99620	17.40471	3.72738	0.98252	0.99842	0.99921	0.98252	0.99259	0.99628
54	93	19.27589	3.53621	0.98141	0.99871	0.99936	0.98141	0.99298	0.99648	17.40471	3.47020	0.98252	0.99863	0.99931	0.98252	0.99312	0.99655
54	94	19.27589	3.28870	0.98141	0.99889	0.99945	0.98141	0.99349	0.99674	17.40471	3.23152	0.98252	0.99882	0.99941	0.98252	0.99361	0.99680
54	95	19.27589	3.05955	0.98141	0.99904	0.99952	0.98141	0.99396	0.99697	17.40471	3.01004	0.98252	0.99898	0.99949	0.98252	0.99407	0.99703
54	96	19.27589	2.84646	0.98141	0.99917	0.99959	0.98141	0.99439	0.99719	17.40471	2.80360	0.98252	0.99911	0.99956	0.98252	0.99449	0.99724
54	97	19.27589	2.65226	0.98141	0.99928	0.99964	0.98141	0.99479	0.99739	17.40471	2.61510	0.98252	0.99923	0.99962	0.98252	0.99487	0.99743
54	98	19.27589	2.47567	0.98141	0.99938	0.99969	0.98141	0.99515	0.99757	17.40471	2.44340	0.98252	0.99933	0.99967	0.98252	0.99523	0.99761
54	99	19.27589	2.31535	0.98141	0.99946	0.99973	0.98141	0.99548	0.99774	17.40471	2.28724	0.98252	0.99942	0.99971	0.98252	0.99555	0.99777

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
54	100	19.27589	2.16976	0.98141	0.99953	0.99976	0.98141	0.99579	0.99789	17.40471	2.14523	0.98252	0.99949	0.99974	0.98252	0.99585	0.99792
54	101	19.27589	2.03734	0.98141	0.99958	0.99979	0.98141	0.99606	0.99803	17.40471	2.01587	0.98252	0.99955	0.99978	0.98252	0.99612	0.99805
54	102	19.27589	1.91714	0.98141	0.99963	0.99982	0.98141	0.99632	0.99815	17.40471	1.89830	0.98252	0.99960	0.99980	0.98252	0.99636	0.99818
54	103	19.27589	1.80800	0.98141	0.99968	0.99984	0.98141	0.99655	0.99827	17.40471	1.79140	0.98252	0.99965	0.99982	0.98252	0.99659	0.99829
54	104	19.27589	1.70943	0.98141	0.99971	0.99986	0.98141	0.99676	0.99837	17.40471	1.69474	0.98252	0.99969	0.99984	0.98252	0.99679	0.99839
54	105	19.27589	1.62048	0.98141	0.99974	0.99987	0.98141	0.99694	0.99847	17.40471	1.60741	0.98252	0.99972	0.99986	0.98252	0.99698	0.99849
54	106	19.27589	1.54080	0.98141	0.99977	0.99988	0.98141	0.99711	0.99855	17.40471	1.52911	0.98252	0.99975	0.99987	0.98252	0.99714	0.99857
54	107	19.27589	1.47009	0.98141	0.99979	0.99990	0.98141	0.99725	0.99862	17.40471	1.45954	0.98252	0.99977	0.99989	0.98252	0.99728	0.99864
54	108	19.27589	1.40861	0.98141	0.99981	0.99990	0.98141	0.99737	0.99868	17.40471	1.39898	0.98252	0.99979	0.99990	0.98252	0.99740	0.99870
54	109	19.27589	1.35764	0.98141	0.99982	0.99991	0.98141	0.99746	0.99873	17.40471	1.34871	0.98252	0.99981	0.99990	0.98252	0.99749	0.99874
54	110	19.27589	1.32125	0.98141	0.99983	0.99992	0.98141	0.99753	0.99876	17.40471	1.31279	0.98252	0.99982	0.99991	0.98252	0.99755	0.99877
55	1	18.97197	26.72925	0.97983	0.70882	0.82960	0.97983	0.70843	0.82933	17.16480	22.57586	0.98103	0.75929	0.86318	0.98103	0.75897	0.86297
55	2	18.97197	26.68154	0.97983	0.71008	0.83046	0.97983	0.70968	0.83019	17.16480	22.55058	0.98103	0.76014	0.86373	0.98103	0.75981	0.86352
55	3	18.97197	26.63112	0.97983	0.71140	0.83136	0.97983	0.71099	0.83109	17.16480	22.52338	0.98103	0.76103	0.86430	0.98103	0.76070	0.86409
55	4	18.97197	26.57806	0.97983	0.71278	0.83230	0.97983	0.71235	0.83202	17.16480	22.49433	0.98103	0.76197	0.86491	0.98103	0.76162	0.86468
55	5	18.97197	26.52283	0.97983	0.71421	0.83328	0.97983	0.71377	0.83298	17.16480	22.46379	0.98103	0.76295	0.86554	0.98103	0.76259	0.86531
55	6	18.97197	26.46539	0.97983	0.71570	0.83430	0.97983	0.71524	0.83399	17.16480	22.43176	0.98103	0.76399	0.86620	0.98103	0.76361	0.86596
55	7	18.97197	26.40551	0.97983	0.71726	0.83536	0.97983	0.71678	0.83503	17.16480	22.39806	0.98103	0.76507	0.86690	0.98103	0.76467	0.86665
55	8	18.97197	26.34335	0.97983	0.71888	0.83645	0.97983	0.71838	0.83611	17.16480	22.36278	0.98103	0.76620	0.86763	0.98103	0.76579	0.86736
55	9	18.97197	26.27867	0.97983	0.72057	0.83760	0.97983	0.72004	0.83723	17.16480	22.32575	0.98103	0.76739	0.86839	0.98103	0.76695	0.86811
55	10	18.97197	26.21121	0.97983	0.72233	0.83879	0.97983	0.72177	0.83840	17.16480	22.28674	0.98103	0.76863	0.86918	0.98103	0.76817	0.86889
55	11	18.97197	26.14141	0.97983	0.72417	0.84002	0.97983	0.72357	0.83961	17.16480	22.24611	0.98103	0.76994	0.87002	0.98103	0.76944	0.86970
55	12	18.97197	26.06892	0.97983	0.72607	0.84130	0.97983	0.72544	0.84087	17.16480	22.20360	0.98103	0.77130	0.87089	0.98103	0.77078	0.87055
55	13	18.97197	25.99388	0.97983	0.72806	0.84263	0.97983	0.72738	0.84218	17.16480	22.15929	0.98103	0.77273	0.87179	0.98103	0.77217	0.87144
55	14	18.97197	25.91617	0.97983	0.73012	0.84401	0.97983	0.72941	0.84354	17.16480	22.11310	0.98103	0.77422	0.87274	0.98103	0.77363	0.87237
55	15	18.97197	25.83587	0.97983	0.73227	0.84545	0.97983	0.73152	0.84494	17.16480	22.06509	0.98103	0.77578	0.87373	0.98103	0.77516	0.87334
55	16	18.97197	25.75319	0.97983	0.73450	0.84693	0.97983	0.73371	0.84640	17.16480	22.01544	0.98103	0.77740	0.87476	0.98103	0.77676	0.87435
55	17	18.97197	25.66857	0.97983	0.73681	0.84846	0.97983	0.73599	0.84792	17.16480	21.96453	0.98103	0.77910	0.87584	0.98103	0.77842	0.87541
55	18	18.97197	25.58235	0.97983	0.73921	0.85005	0.97983	0.73836	0.84949	17.16480	21.91267	0.98103	0.78086	0.87695	0.98103	0.78017	0.87651
55	19	18.97197	25.49361	0.97983	0.74170	0.85170	0.97983	0.74083	0.85112	17.16480	21.85907	0.98103	0.78270	0.87811	0.98103	0.78200	0.87766
55	20	18.97197	25.40164	0.97983	0.74429	0.85340	0.97983	0.74340	0.85282	17.16480	21.80312	0.98103	0.78463	0.87932	0.98103	0.78391	0.87887
55	21	18.97197	25.30562	0.97983	0.74699	0.85518	0.97983	0.74607	0.85457	17.16480	21.74411	0.98103	0.78665	0.88059	0.98103	0.78591	0.88012
55	22	18.97197	25.20517	0.97983	0.74981	0.85702	0.97983	0.74885	0.85639	17.16480	21.68171	0.98103	0.78877	0.88191	0.98103	0.78799	0.88143
55	23	18.97197	25.09967	0.97983	0.75276	0.85894	0.97983	0.75174	0.85828	17.16480	21.61537	0.98103	0.79099	0.88330	0.98103	0.79017	0.88279
55	24	18.97197	24.98936	0.97983	0.75583	0.86094	0.97983	0.75474	0.86023	17.16480	21.54528	0.98103	0.79332	0.88475	0.98103	0.79245	0.88421
55	25	18.97197	24.87419	0.97983	0.75903	0.86301	0.97983	0.75785	0.86225	17.16480	21.47137	0.98103	0.79576	0.88627	0.98103	0.79482	0.88568
55	26	18.97197	24.75420	0.97983	0.76235	0.86515	0.97983	0.76109	0.86434	17.16480	21.39367	0.98103	0.79831	0.88785	0.98103	0.79730	0.88722
55	27	18.97197	24.62994	0.97983	0.76581	0.86737	0.97983	0.76444	0.86650	17.16480	21.31262	0.98103	0.80097	0.88949	0.98103	0.79987	0.88881
55	28	18.97197	24.50119	0.97983	0.76940	0.86967	0.97983	0.76792	0.86873	17.16480	21.22804	0.98103	0.80374	0.89120	0.98103	0.80256	0.89047
55	29	18.97197	24.36788	0.97983	0.77313	0.87205	0.97983	0.77153	0.87103	17.16480	21.13984	0.98103	0.80663	0.89297	0.98103	0.80536	0.89219
55	30	18.97197	24.23009	0.97983	0.77699	0.87450	0.97983	0.77527	0.87341	17.16480	21.04806	0.98103	0.80964	0.89481	0.98103	0.80827	0.89397

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Retiree		Beneficiary		Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Age	Age	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Factor	Factor	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor
55	31	18.97197	24.08752	0.97983	0.78100	0.87703	0.97983	0.77914	0.87586			17.16480	20.95246	0.98103	0.81278	0.89672	0.98103	0.81129	0.89581
55	32	18.97197	23.94006	0.97983	0.78515	0.87964	0.97983	0.78314	0.87838			17.16480	20.85289	0.98103	0.81603	0.89870	0.98103	0.81443	0.89773
55	33	18.97197	23.78740	0.97983	0.78945	0.88234	0.97983	0.78728	0.88098			17.16480	20.74907	0.98103	0.81942	0.90075	0.98103	0.81769	0.89970
55	34	18.97197	23.62942	0.97983	0.79390	0.88511	0.97983	0.79156	0.88365			17.16480	20.64088	0.98103	0.82294	0.90287	0.98103	0.82108	0.90175
55	35	18.97197	23.46579	0.97983	0.79850	0.88796	0.97983	0.79597	0.88640			17.16480	20.52800	0.98103	0.82659	0.90506	0.98103	0.82458	0.90386
55	36	18.97197	23.29632	0.97983	0.80325	0.89089	0.97983	0.80052	0.88921			17.16480	20.41023	0.98103	0.83037	0.90733	0.98103	0.82820	0.90603
55	37	18.97197	23.12089	0.97983	0.80815	0.89390	0.97983	0.80521	0.89209			17.16480	20.28745	0.98103	0.83429	0.90966	0.98103	0.83195	0.90827
55	38	18.97197	22.93911	0.97983	0.81321	0.89698	0.97983	0.81002	0.89504			17.16480	20.15926	0.98103	0.83834	0.91206	0.98103	0.83581	0.91056
55	39	18.97197	22.75087	0.97983	0.81840	0.90013	0.97983	0.81497	0.89805			17.16480	20.02555	0.98103	0.84252	0.91453	0.98103	0.83979	0.91292
55	40	18.97197	22.55572	0.97983	0.82375	0.90336	0.97983	0.82003	0.90112			17.16480	19.88587	0.98103	0.84683	0.91706	0.98103	0.84388	0.91533
55	41	18.97197	22.35340	0.97983	0.82922	0.90664	0.97983	0.82521	0.90423			17.16480	19.73995	0.98103	0.85127	0.91966	0.98103	0.84807	0.91779
55	42	18.97197	22.14385	0.97983	0.83483	0.90998	0.97983	0.83049	0.90740			17.16480	19.58769	0.98103	0.85582	0.92231	0.98103	0.85237	0.92030
55	43	18.97197	21.92669	0.97983	0.84055	0.91337	0.97983	0.83587	0.91060			17.16480	19.42870	0.98103	0.86048	0.92501	0.98103	0.85675	0.92285
55	44	18.97197	21.70178	0.97983	0.84638	0.91680	0.97983	0.84133	0.91383			17.16480	19.26280	0.98103	0.86525	0.92776	0.98103	0.86122	0.92544
55	45	18.97197	21.46876	0.97983	0.85230	0.92026	0.97983	0.84686	0.91708			17.16480	19.08963	0.98103	0.87010	0.93054	0.98103	0.86576	0.92805
55	46	18.97197	21.22763	0.97983	0.85830	0.92375	0.97983	0.85245	0.92035			17.16480	18.90911	0.98103	0.87504	0.93335	0.98103	0.87036	0.93069
55	47	18.97197	20.97813	0.97983	0.86435	0.92724	0.97983	0.85807	0.92362			17.16480	18.72094	0.98103	0.88003	0.93619	0.98103	0.87501	0.93334
55	48	18.97197	20.72003	0.97983	0.87044	0.93074	0.97983	0.86372	0.92688			17.16480	18.52488	0.98103	0.88508	0.93904	0.98103	0.87969	0.93599
55	49	18.97197	20.45326	0.97983	0.87655	0.93422	0.97983	0.86937	0.93012			17.16480	18.32076	0.98103	0.89015	0.94188	0.98103	0.88438	0.93864
55	50	18.97197	20.17742	0.97983	0.88265	0.93767	0.97983	0.87499	0.93333			17.16480	18.10816	0.98103	0.89524	0.94472	0.98103	0.88908	0.94128
55	51	18.97197	19.89339	0.97983	0.88872	0.94108	0.97983	0.88058	0.93650			17.16480	17.88781	0.98103	0.90032	0.94754	0.98103	0.89375	0.94390
55	52	18.97197	19.60122	0.97983	0.89473	0.94444	0.97983	0.88612	0.93962			17.16480	17.65967	0.98103	0.90536	0.95033	0.98103	0.89840	0.94648
55	53	18.97197	19.30125	0.97983	0.90065	0.94773	0.97983	0.89157	0.94268			17.16480	17.42398	0.98103	0.91035	0.95307	0.98103	0.90299	0.94902
55	54	18.97197	18.99375	0.97983	0.90647	0.95094	0.97983	0.89693	0.94567			17.16480	17.18091	0.98103	0.91528	0.95576	0.98103	0.90752	0.95152
55	55	18.97197	18.67912	0.97983	0.91215	0.95406	0.97983	0.90218	0.94857			17.16480	16.93076	0.98103	0.92010	0.95839	0.98103	0.91197	0.95396
55	56	18.97197	18.35803	0.97983	0.91768	0.95707	0.97983	0.90729	0.95139			17.16480	16.67407	0.98103	0.92482	0.96094	0.98103	0.91632	0.95633
55	57	18.97197	18.02853	0.97983	0.92304	0.95998	0.97983	0.91226	0.95412			17.16480	16.40902	0.98103	0.92942	0.96342	0.98103	0.92056	0.95864
55	58	18.97197	17.69065	0.97983	0.92823	0.96278	0.97983	0.91707	0.95674			17.16480	16.13552	0.98103	0.93389	0.96581	0.98103	0.92469	0.96087
55	59	18.97197	17.34441	0.97983	0.93321	0.96545	0.97983	0.92172	0.95926			17.16480	15.85354	0.98103	0.93820	0.96812	0.98103	0.92868	0.96302
55	60	18.97197	16.98967	0.97983	0.93800	0.96801	0.97983	0.92618	0.96168			17.16480	15.56284	0.98103	0.94236	0.97033	0.98103	0.93254	0.96509
55	61	18.97197	16.62627	0.97983	0.94256	0.97043	0.97983	0.93047	0.96398			17.16480	15.26320	0.98103	0.94636	0.97244	0.98103	0.93626	0.96708
55	62	18.97197	16.25423	0.97983	0.94691	0.97273	0.97983	0.93456	0.96617			17.16480	14.95454	0.98103	0.95018	0.97445	0.98103	0.93982	0.96898
55	63	18.97197	15.87341	0.97983	0.95103	0.97490	0.97983	0.93846	0.96825			17.16480	14.63664	0.98103	0.95383	0.97637	0.98103	0.94323	0.97079
55	64	18.97197	15.48353	0.97983	0.95493	0.97695	0.97983	0.94218	0.97023			17.16480	14.30913	0.98103	0.95730	0.97818	0.98103	0.94649	0.97251
55	65	18.97197	15.08480	0.97983	0.95861	0.97887	0.97983	0.94570	0.97209			17.16480	13.97213	0.98103	0.96059	0.97990	0.98103	0.94960	0.97415
55	66	18.97197	14.67724	0.97983	0.96207	0.98067	0.97983	0.94904	0.97385			17.16480	13.62552	0.98103	0.96370	0.98152	0.98103	0.95255	0.97570
55	67	18.97197	14.26104	0.97983	0.96531	0.98235	0.97983	0.95219	0.97551			17.16480	13.26940	0.98103	0.96664	0.98304	0.98103	0.95536	0.97717
55	68	18.97197	13.83657	0.97983	0.96834	0.98392	0.97983	0.95517	0.97707			17.16480	12.90401	0.98103	0.96940	0.98446	0.98103	0.95801	0.97856
55	69	18.97197	13.40435	0.97983	0.97117	0.98537	0.97983	0.95798	0.97854			17.16480	12.52973	0.98103	0.97200	0.98580	0.98103	0.96053	0.97987
55	70	18.97197	12.96501	0.97983	0.97380	0.98672	0.97983	0.96063	0.97992			17.16480	12.14706	0.98103	0.97443	0.98705	0.98103	0.96292	0.98111
55	71	18.97197	12.51927	0.97983	0.97624	0.98798	0.97983	0.96312	0.98121			17.16480	11.75658	0.98103	0.97670	0.98821	0.98103	0.96517	0.98228

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
55	72	18.97197	12.06792	0.97983	0.97850	0.98913	0.97983	0.96546	0.98243	17.16480	11.35893	0.98103	0.97882	0.98930	0.98103	0.96730	0.98338
55	73	18.97197	11.61185	0.97983	0.98060	0.99020	0.97983	0.96767	0.98357	17.16480	10.95491	0.98103	0.98079	0.99030	0.98103	0.96931	0.98442
55	74	18.97197	11.15217	0.97983	0.98253	0.99119	0.97983	0.96974	0.98464	17.16480	10.54549	0.98103	0.98262	0.99123	0.98103	0.97121	0.98540
55	75	18.97197	10.68986	0.97983	0.98430	0.99209	0.97983	0.97170	0.98564	17.16480	10.13154	0.98103	0.98432	0.99210	0.98103	0.97301	0.98632
55	76	18.97197	10.22626	0.97983	0.98593	0.99292	0.97983	0.97353	0.98659	17.16480	9.71428	0.98103	0.98588	0.99289	0.98103	0.97470	0.98719
55	77	18.97197	9.76277	0.97983	0.98743	0.99367	0.97983	0.97526	0.98747	17.16480	9.29502	0.98103	0.98733	0.99362	0.98103	0.97630	0.98801
55	78	18.97197	9.30064	0.97983	0.98879	0.99437	0.97983	0.97688	0.98831	17.16480	8.87492	0.98103	0.98866	0.99430	0.98103	0.97781	0.98878
55	79	18.97197	8.84103	0.97983	0.99004	0.99500	0.97983	0.97841	0.98909	17.16480	8.45509	0.98103	0.98988	0.99491	0.98103	0.97924	0.98951
55	80	18.97197	8.38551	0.97983	0.99117	0.99557	0.97983	0.97985	0.98982	17.16480	8.03703	0.98103	0.99099	0.99548	0.98103	0.98059	0.99020
55	81	18.97197	7.93532	0.97983	0.99220	0.99609	0.97983	0.98121	0.99052	17.16480	7.62196	0.98103	0.99201	0.99599	0.98103	0.98186	0.99085
55	82	18.97197	7.49211	0.97983	0.99313	0.99655	0.97983	0.98248	0.99116	17.16480	7.21152	0.98103	0.99293	0.99645	0.98103	0.98306	0.99146
55	83	18.97197	7.05756	0.97983	0.99397	0.99697	0.97983	0.98368	0.99177	17.16480	6.80735	0.98103	0.99377	0.99688	0.98103	0.98420	0.99204
55	84	18.97197	6.63342	0.97983	0.99472	0.99735	0.97983	0.98481	0.99235	17.16480	6.41122	0.98103	0.99453	0.99726	0.98103	0.98527	0.99258
55	85	18.97197	6.22156	0.97983	0.99539	0.99769	0.97983	0.98587	0.99288	17.16480	6.02503	0.98103	0.99520	0.99760	0.98103	0.98627	0.99309
55	86	18.97197	5.82374	0.97983	0.99598	0.99799	0.97983	0.98686	0.99339	17.16480	5.65055	0.98103	0.99581	0.99790	0.98103	0.98722	0.99357
55	87	18.97197	5.44155	0.97983	0.99651	0.99825	0.97983	0.98779	0.99386	17.16480	5.28949	0.98103	0.99635	0.99817	0.98103	0.98810	0.99402
55	88	18.97197	5.07613	0.97983	0.99697	0.99848	0.97983	0.98866	0.99430	17.16480	4.94306	0.98103	0.99682	0.99841	0.98103	0.98894	0.99444
55	89	18.97197	4.72862	0.97983	0.99738	0.99869	0.97983	0.98946	0.99470	17.16480	4.61250	0.98103	0.99724	0.99862	0.98103	0.98971	0.99483
55	90	18.97197	4.40007	0.97983	0.99774	0.99887	0.97983	0.99022	0.99508	17.16480	4.29901	0.98103	0.99761	0.99880	0.98103	0.99044	0.99520
55	91	18.97197	4.09149	0.97983	0.99805	0.99902	0.97983	0.99092	0.99544	17.16480	4.00370	0.98103	0.99793	0.99896	0.98103	0.99111	0.99554
55	92	18.97197	3.80354	0.97983	0.99831	0.99916	0.97983	0.99157	0.99577	17.16480	3.72738	0.98103	0.99821	0.99910	0.98103	0.99174	0.99585
55	93	18.97197	3.53621	0.97983	0.99854	0.99927	0.97983	0.99217	0.99607	17.16480	3.47020	0.98103	0.99845	0.99922	0.98103	0.99232	0.99614
55	94	18.97197	3.28870	0.97983	0.99874	0.99937	0.97983	0.99272	0.99635	17.16480	3.23152	0.98103	0.99866	0.99933	0.98103	0.99286	0.99642
55	95	18.97197	3.05955	0.97983	0.99891	0.99946	0.97983	0.99324	0.99661	17.16480	3.01004	0.98103	0.99884	0.99942	0.98103	0.99336	0.99667
55	96	18.97197	2.84646	0.97983	0.99906	0.99953	0.97983	0.99371	0.99685	17.16480	2.80360	0.98103	0.99899	0.99950	0.98103	0.99381	0.99690
55	97	18.97197	2.65226	0.97983	0.99918	0.99959	0.97983	0.99414	0.99706	17.16480	2.61510	0.98103	0.99912	0.99956	0.98103	0.99424	0.99711
55	98	18.97197	2.47567	0.97983	0.99929	0.99964	0.97983	0.99454	0.99726	17.16480	2.44340	0.98103	0.99924	0.99962	0.98103	0.99462	0.99730
55	99	18.97197	2.31535	0.97983	0.99938	0.99969	0.97983	0.99490	0.99745	17.16480	2.28724	0.98103	0.99933	0.99967	0.98103	0.99498	0.99748
55	100	18.97197	2.16976	0.97983	0.99946	0.99973	0.97983	0.99524	0.99761	17.16480	2.14523	0.98103	0.99941	0.99971	0.98103	0.99530	0.99765
55	101	18.97197	2.03734	0.97983	0.99952	0.99976	0.97983	0.99554	0.99777	17.16480	2.01587	0.98103	0.99948	0.99974	0.98103	0.99560	0.99780
55	102	18.97197	1.91714	0.97983	0.99958	0.99979	0.97983	0.99582	0.99791	17.16480	1.89830	0.98103	0.99954	0.99977	0.98103	0.99588	0.99793
55	103	18.97197	1.80800	0.97983	0.99963	0.99981	0.97983	0.99608	0.99803	17.16480	1.79140	0.98103	0.99960	0.99980	0.98103	0.99612	0.99806
55	104	18.97197	1.70943	0.97983	0.99967	0.99983	0.97983	0.99631	0.99815	17.16480	1.69474	0.98103	0.99964	0.99982	0.98103	0.99635	0.99817
55	105	18.97197	1.62048	0.97983	0.99970	0.99985	0.97983	0.99651	0.99825	17.16480	1.60741	0.98103	0.99968	0.99984	0.98103	0.99655	0.99827
55	106	18.97197	1.54080	0.97983	0.99973	0.99987	0.97983	0.99670	0.99835	17.16480	1.52911	0.98103	0.99971	0.99985	0.98103	0.99674	0.99837
55	107	18.97197	1.47009	0.97983	0.99976	0.99988	0.97983	0.99686	0.99843	17.16480	1.45954	0.98103	0.99974	0.99987	0.98103	0.99689	0.99844
55	108	18.97197	1.40861	0.97983	0.99978	0.99989	0.97983	0.99699	0.99849	17.16480	1.39898	0.98103	0.99976	0.99988	0.98103	0.99702	0.99851
55	109	18.97197	1.35764	0.97983	0.99979	0.99990	0.97983	0.99709	0.99855	17.16480	1.34871	0.98103	0.99977	0.99989	0.98103	0.99713	0.99856
55	110	18.97197	1.32125	0.97983	0.99980	0.99990	0.97983	0.99716	0.99858	17.16480	1.31279	0.98103	0.99979	0.99989	0.98103	0.99719	0.99860
56	1	18.66287	26.72925	0.97833	0.69732	0.82167	0.97833	0.69692	0.82140	16.91962	22.57586	0.97961	0.74849	0.85615	0.97961	0.74816	0.85594
56	2	18.66287	26.68154	0.97833	0.69856	0.82253	0.97833	0.69816	0.82226	16.91962	22.55058	0.97961	0.74932	0.85670	0.97961	0.74900	0.85649

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
56	3	18.66287	26.63112	0.97833	0.69985	0.82343	0.97833	0.69945	0.82315	16.91962	22.52338	0.97961	0.75020	0.85728	0.97961	0.74987	0.85706
56	4	18.66287	26.57806	0.97833	0.70121	0.82437	0.97833	0.70079	0.82408	16.91962	22.49433	0.97961	0.75113	0.85788	0.97961	0.75079	0.85766
56	5	18.66287	26.52283	0.97833	0.70263	0.82534	0.97833	0.70219	0.82504	16.91962	22.46379	0.97961	0.75211	0.85852	0.97961	0.75175	0.85828
56	6	18.66287	26.46539	0.97833	0.70410	0.82636	0.97833	0.70364	0.82605	16.91962	22.43176	0.97961	0.75312	0.85918	0.97961	0.75275	0.85894
56	7	18.66287	26.40551	0.97833	0.70563	0.82742	0.97833	0.70516	0.82709	16.91962	22.39806	0.97961	0.75420	0.85988	0.97961	0.75380	0.85962
56	8	18.66287	26.34335	0.97833	0.70723	0.82851	0.97833	0.70673	0.82817	16.91962	22.36278	0.97961	0.75532	0.86060	0.97961	0.75490	0.86033
56	9	18.66287	26.27867	0.97833	0.70890	0.82966	0.97833	0.70837	0.82929	16.91962	22.32575	0.97961	0.75649	0.86137	0.97961	0.75605	0.86108
56	10	18.66287	26.21121	0.97833	0.71064	0.83084	0.97833	0.71007	0.83046	16.91962	22.28674	0.97961	0.75772	0.86216	0.97961	0.75726	0.86186
56	11	18.66287	26.14141	0.97833	0.71244	0.83208	0.97833	0.71185	0.83167	16.91962	22.24611	0.97961	0.75901	0.86300	0.97961	0.75852	0.86268
56	12	18.66287	26.06892	0.97833	0.71433	0.83336	0.97833	0.71369	0.83293	16.91962	22.20360	0.97961	0.76036	0.86387	0.97961	0.75984	0.86353
56	13	18.66287	25.99388	0.97833	0.71628	0.83469	0.97833	0.71562	0.83424	16.91962	22.15929	0.97961	0.76177	0.86478	0.97961	0.76122	0.86442
56	14	18.66287	25.91617	0.97833	0.71832	0.83607	0.97833	0.71761	0.83559	16.91962	22.11310	0.97961	0.76325	0.86573	0.97961	0.76266	0.86535
56	15	18.66287	25.83587	0.97833	0.72044	0.83751	0.97833	0.71970	0.83700	16.91962	22.06509	0.97961	0.76479	0.86672	0.97961	0.76417	0.86632
56	16	18.66287	25.75319	0.97833	0.72264	0.83899	0.97833	0.72186	0.83847	16.91962	22.01544	0.97961	0.76640	0.86776	0.97961	0.76575	0.86734
56	17	18.66287	25.66857	0.97833	0.72493	0.84053	0.97833	0.72411	0.83998	16.91962	21.96453	0.97961	0.76808	0.86883	0.97961	0.76741	0.86840
56	18	18.66287	25.58235	0.97833	0.72729	0.84212	0.97833	0.72646	0.84156	16.91962	21.91267	0.97961	0.76983	0.86995	0.97961	0.76914	0.86951
56	19	18.66287	25.49361	0.97833	0.72975	0.84377	0.97833	0.72890	0.84319	16.91962	21.85907	0.97961	0.77165	0.87111	0.97961	0.77095	0.87066
56	20	18.66287	25.40164	0.97833	0.73232	0.84548	0.97833	0.73144	0.84489	16.91962	21.80312	0.97961	0.77356	0.87233	0.97961	0.77285	0.87187
56	21	18.66287	25.30562	0.97833	0.73499	0.84726	0.97833	0.73408	0.84665	16.91962	21.74411	0.97961	0.77557	0.87360	0.97961	0.77483	0.87313
56	22	18.66287	25.20517	0.97833	0.73778	0.84911	0.97833	0.73683	0.84848	16.91962	21.68171	0.97961	0.77767	0.87493	0.97961	0.77690	0.87444
56	23	18.66287	25.09967	0.97833	0.74069	0.85103	0.97833	0.73969	0.85037	16.91962	21.61537	0.97961	0.77988	0.87633	0.97961	0.77907	0.87581
56	24	18.66287	24.98936	0.97833	0.74373	0.85304	0.97833	0.74267	0.85233	16.91962	21.54528	0.97961	0.78219	0.87779	0.97961	0.78133	0.87724
56	25	18.66287	24.87419	0.97833	0.74690	0.85512	0.97833	0.74576	0.85436	16.91962	21.47137	0.97961	0.78462	0.87931	0.97961	0.78369	0.87873
56	26	18.66287	24.75420	0.97833	0.75020	0.85728	0.97833	0.74896	0.85647	16.91962	21.39367	0.97961	0.78715	0.88090	0.97961	0.78615	0.88027
56	27	18.66287	24.62994	0.97833	0.75363	0.85951	0.97833	0.75229	0.85864	16.91962	21.31262	0.97961	0.78980	0.88256	0.97961	0.78872	0.88188
56	28	18.66287	24.50119	0.97833	0.75720	0.86182	0.97833	0.75575	0.86089	16.91962	21.22804	0.97961	0.79257	0.88428	0.97961	0.79140	0.88355
56	29	18.66287	24.36788	0.97833	0.76090	0.86422	0.97833	0.75934	0.86321	16.91962	21.13984	0.97961	0.79545	0.88607	0.97961	0.79418	0.88529
56	30	18.66287	24.23009	0.97833	0.76475	0.86669	0.97833	0.76306	0.86561	16.91962	21.04806	0.97961	0.79845	0.88793	0.97961	0.79709	0.88709
56	31	18.66287	24.08752	0.97833	0.76873	0.86925	0.97833	0.76691	0.86808	16.91962	20.95246	0.97961	0.80158	0.88986	0.97961	0.80011	0.88896
56	32	18.66287	23.94006	0.97833	0.77287	0.87189	0.97833	0.77090	0.87063	16.91962	20.85289	0.97961	0.80484	0.89187	0.97961	0.80325	0.89089
56	33	18.66287	23.78740	0.97833	0.77716	0.87461	0.97833	0.77504	0.87326	16.91962	20.74907	0.97961	0.80823	0.89395	0.97961	0.80652	0.89290
56	34	18.66287	23.62942	0.97833	0.78161	0.87742	0.97833	0.77931	0.87597	16.91962	20.64088	0.97961	0.81176	0.89610	0.97961	0.80991	0.89497
56	35	18.66287	23.46579	0.97833	0.78621	0.88031	0.97833	0.78373	0.87875	16.91962	20.52800	0.97961	0.81542	0.89833	0.97961	0.81343	0.89712
56	36	18.66287	23.29632	0.97833	0.79097	0.88329	0.97833	0.78829	0.88161	16.91962	20.41023	0.97961	0.81923	0.90063	0.97961	0.81707	0.89933
56	37	18.66287	23.12089	0.97833	0.79589	0.88635	0.97833	0.79299	0.88455	16.91962	20.28745	0.97961	0.82317	0.90301	0.97961	0.82085	0.90161
56	38	18.66287	22.93911	0.97833	0.80097	0.88949	0.97833	0.79784	0.88755	16.91962	20.15926	0.97961	0.82726	0.90546	0.97961	0.82474	0.90396
56	39	18.66287	22.75087	0.97833	0.80621	0.89271	0.97833	0.80282	0.89063	16.91962	20.02555	0.97961	0.83148	0.90799	0.97961	0.82877	0.90637
56	40	18.66287	22.55572	0.97833	0.81160	0.89600	0.97833	0.80793	0.89376	16.91962	19.88587	0.97961	0.83585	0.91059	0.97961	0.83291	0.90884
56	41	18.66287	22.35340	0.97833	0.81714	0.89937	0.97833	0.81317	0.89696	16.91962	19.73995	0.97961	0.84036	0.91325	0.97961	0.83717	0.91137
56	42	18.66287	22.14385	0.97833	0.82283	0.90281	0.97833	0.81853	0.90021	16.91962	19.58769	0.97961	0.84499	0.91598	0.97961	0.84154	0.91395
56	43	18.66287	21.92669	0.97833	0.82866	0.90630	0.97833	0.82401	0.90351	16.91962	19.42870	0.97961	0.84975	0.91877	0.97961	0.84602	0.91659

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
56	44	18.66287	21.70178	0.97833	0.83461	0.90985	0.97833	0.82958	0.90685	16.91962	19.26280	0.97961	0.85463	0.92162	0.97961	0.85060	0.91927
56	45	18.66287	21.46876	0.97833	0.84067	0.91344	0.97833	0.83524	0.91023	16.91962	19.08963	0.97961	0.85962	0.92451	0.97961	0.85526	0.92198
56	46	18.66287	21.22763	0.97833	0.84683	0.91706	0.97833	0.84098	0.91362	16.91962	18.90911	0.97961	0.86470	0.92744	0.97961	0.86000	0.92473
56	47	18.66287	20.97813	0.97833	0.85307	0.92071	0.97833	0.84677	0.91703	16.91962	18.72094	0.97961	0.86987	0.93041	0.97961	0.86480	0.92750
56	48	18.66287	20.72003	0.97833	0.85938	0.92437	0.97833	0.85261	0.92044	16.91962	18.52488	0.97961	0.87511	0.93340	0.97961	0.86965	0.93028
56	49	18.66287	20.45326	0.97833	0.86572	0.92803	0.97833	0.85847	0.92385	16.91962	18.32076	0.97961	0.88040	0.93640	0.97961	0.87454	0.93307
56	50	18.66287	20.17742	0.97833	0.87209	0.93168	0.97833	0.86434	0.92723	16.91962	18.10816	0.97961	0.88572	0.93940	0.97961	0.87945	0.93586
56	51	18.66287	19.89339	0.97833	0.87845	0.93529	0.97833	0.87019	0.93059	16.91962	17.88781	0.97961	0.89105	0.94239	0.97961	0.88435	0.93863
56	52	18.66287	19.60122	0.97833	0.88477	0.93887	0.97833	0.87600	0.93390	16.91962	17.65967	0.97961	0.89638	0.94536	0.97961	0.88924	0.94138
56	53	18.66287	19.30125	0.97833	0.89104	0.94238	0.97833	0.88176	0.93716	16.91962	17.42398	0.97961	0.90167	0.94829	0.97961	0.89410	0.94409
56	54	18.66287	18.99375	0.97833	0.89722	0.94582	0.97833	0.88744	0.94036	16.91962	17.18091	0.97961	0.90691	0.95118	0.97961	0.89891	0.94676
56	55	18.66287	18.67912	0.97833	0.90328	0.94918	0.97833	0.89302	0.94348	16.91962	16.93076	0.97961	0.91207	0.95401	0.97961	0.90365	0.94939
56	56	18.66287	18.35803	0.97833	0.90921	0.95244	0.97833	0.89848	0.94653	16.91962	16.67407	0.97961	0.91713	0.95677	0.97961	0.90831	0.95195
56	57	18.66287	18.02853	0.97833	0.91498	0.95560	0.97833	0.90381	0.94948	16.91962	16.40902	0.97961	0.92209	0.95946	0.97961	0.91287	0.95445
56	58	18.66287	17.69065	0.97833	0.92058	0.95865	0.97833	0.90899	0.95233	16.91962	16.13552	0.97961	0.92692	0.96207	0.97961	0.91732	0.95688
56	59	18.66287	17.34441	0.97833	0.92600	0.96158	0.97833	0.91401	0.95507	16.91962	15.85354	0.97961	0.93161	0.96459	0.97961	0.92165	0.95923
56	60	18.66287	16.98967	0.97833	0.93121	0.96438	0.97833	0.91886	0.95771	16.91962	15.56284	0.97961	0.93614	0.96702	0.97961	0.92584	0.96149
56	61	18.66287	16.62627	0.97833	0.93621	0.96705	0.97833	0.92352	0.96024	16.91962	15.26320	0.97961	0.94051	0.96934	0.97961	0.92989	0.96367
56	62	18.66287	16.25423	0.97833	0.94098	0.96959	0.97833	0.92799	0.96265	16.91962	14.95454	0.97961	0.94471	0.97157	0.97961	0.93378	0.96576
56	63	18.66287	15.87341	0.97833	0.94553	0.97200	0.97833	0.93226	0.96494	16.91962	14.63664	0.97961	0.94872	0.97369	0.97961	0.93752	0.96775
56	64	18.66287	15.48353	0.97833	0.94983	0.97427	0.97833	0.93634	0.96712	16.91962	14.30913	0.97961	0.95255	0.97570	0.97961	0.94110	0.96966
56	65	18.66287	15.08480	0.97833	0.95391	0.97641	0.97833	0.94022	0.96919	16.91962	13.97213	0.97961	0.95619	0.97761	0.97961	0.94452	0.97147
56	66	18.66287	14.67724	0.97833	0.95774	0.97841	0.97833	0.94390	0.97114	16.91962	13.62552	0.97961	0.95965	0.97941	0.97961	0.94778	0.97319
56	67	18.66287	14.26104	0.97833	0.96135	0.98029	0.97833	0.94738	0.97298	16.91962	13.26940	0.97961	0.96291	0.98110	0.97961	0.95088	0.97482
56	68	18.66287	13.83657	0.97833	0.96472	0.98204	0.97833	0.95068	0.97471	16.91962	12.90401	0.97961	0.96598	0.98270	0.97961	0.95382	0.97637
56	69	18.66287	13.40435	0.97833	0.96787	0.98368	0.97833	0.95379	0.97635	16.91962	12.52973	0.97961	0.96887	0.98419	0.97961	0.95661	0.97783
56	70	18.66287	12.96501	0.97833	0.97081	0.98519	0.97833	0.95672	0.97788	16.91962	12.14706	0.97961	0.97158	0.98558	0.97961	0.95925	0.97920
56	71	18.66287	12.51927	0.97833	0.97354	0.98659	0.97833	0.95948	0.97932	16.91962	11.75658	0.97961	0.97411	0.98689	0.97961	0.96175	0.98050
56	72	18.66287	12.06792	0.97833	0.97607	0.98789	0.97833	0.96208	0.98067	16.91962	11.35893	0.97961	0.97647	0.98810	0.97961	0.96411	0.98173
56	73	18.66287	11.61185	0.97833	0.97841	0.98908	0.97833	0.96453	0.98194	16.91962	10.95491	0.97961	0.97867	0.98922	0.97961	0.96634	0.98288
56	74	18.66287	11.15217	0.97833	0.98056	0.99019	0.97833	0.96683	0.98313	16.91962	10.54549	0.97961	0.98071	0.99026	0.97961	0.96845	0.98397
56	75	18.66287	10.68986	0.97833	0.98255	0.99120	0.97833	0.96899	0.98425	16.91962	10.13154	0.97961	0.98260	0.99122	0.97961	0.97043	0.98499
56	76	18.66287	10.22626	0.97833	0.98437	0.99212	0.97833	0.97102	0.98530	16.91962	9.71428	0.97961	0.98435	0.99211	0.97961	0.97230	0.98596
56	77	18.66287	9.76277	0.97833	0.98604	0.99297	0.97833	0.97293	0.98628	16.91962	9.29502	0.97961	0.98596	0.99293	0.97961	0.97407	0.98687
56	78	18.66287	9.30064	0.97833	0.98756	0.99374	0.97833	0.97472	0.98720	16.91962	8.87492	0.97961	0.98743	0.99368	0.97961	0.97574	0.98772
56	79	18.66287	8.84103	0.97833	0.98895	0.99444	0.97833	0.97641	0.98806	16.91962	8.45509	0.97961	0.98879	0.99436	0.97961	0.97731	0.98853
56	80	18.66287	8.38551	0.97833	0.99021	0.99508	0.97833	0.97799	0.98887	16.91962	8.03703	0.97961	0.99003	0.99499	0.97961	0.97880	0.98928
56	81	18.66287	7.93532	0.97833	0.99135	0.99566	0.97833	0.97948	0.98963	16.91962	7.62196	0.97961	0.99116	0.99556	0.97961	0.98019	0.99000
56	82	18.66287	7.49211	0.97833	0.99238	0.99618	0.97833	0.98088	0.99035	16.91962	7.21152	0.97961	0.99218	0.99608	0.97961	0.98151	0.99067
56	83	18.66287	7.05756	0.97833	0.99331	0.99664	0.97833	0.98219	0.99102	16.91962	6.80735	0.97961	0.99311	0.99654	0.97961	0.98275	0.99130
56	84	18.66287	6.63342	0.97833	0.99414	0.99706	0.97833	0.98342	0.99164	16.91962	6.41122	0.97961	0.99394	0.99696	0.97961	0.98392	0.99190

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
56	85	18.66287	6.22156	0.97833	0.99489	0.99744	0.97833	0.98458	0.99223	16.91962	6.02503	0.97961	0.99469	0.99734	0.97961	0.98502	0.99245
56	86	18.66287	5.82374	0.97833	0.99555	0.99777	0.97833	0.98566	0.99278	16.91962	5.65055	0.97961	0.99536	0.99768	0.97961	0.98605	0.99298
56	87	18.66287	5.44155	0.97833	0.99613	0.99806	0.97833	0.98668	0.99329	16.91962	5.28949	0.97961	0.99596	0.99798	0.97961	0.98702	0.99347
56	88	18.66287	5.07613	0.97833	0.99664	0.99832	0.97833	0.98762	0.99377	16.91962	4.94306	0.97961	0.99649	0.99824	0.97961	0.98793	0.99393
56	89	18.66287	4.72862	0.97833	0.99710	0.99855	0.97833	0.98850	0.99422	16.91962	4.61250	0.97961	0.99695	0.99847	0.97961	0.98877	0.99435
56	90	18.66287	4.40007	0.97833	0.99749	0.99874	0.97833	0.98932	0.99463	16.91962	4.29901	0.97961	0.99735	0.99868	0.97961	0.98956	0.99475
56	91	18.66287	4.09149	0.97833	0.99783	0.99891	0.97833	0.99008	0.99502	16.91962	4.00370	0.97961	0.99771	0.99885	0.97961	0.99029	0.99512
56	92	18.66287	3.80354	0.97833	0.99813	0.99906	0.97833	0.99079	0.99537	16.91962	3.72738	0.97961	0.99802	0.99901	0.97961	0.99098	0.99547
56	93	18.66287	3.53621	0.97833	0.99838	0.99919	0.97833	0.99144	0.99570	16.91962	3.47020	0.97961	0.99828	0.99914	0.97961	0.99161	0.99579
56	94	18.66287	3.28870	0.97833	0.99860	0.99930	0.97833	0.99205	0.99601	16.91962	3.23152	0.97961	0.99851	0.99926	0.97961	0.99219	0.99608
56	95	18.66287	3.05955	0.97833	0.99879	0.99939	0.97833	0.99261	0.99629	16.91962	3.01004	0.97961	0.99871	0.99935	0.97961	0.99274	0.99635
56	96	18.66287	2.84646	0.97833	0.99895	0.99948	0.97833	0.99312	0.99655	16.91962	2.80360	0.97961	0.99888	0.99944	0.97961	0.99324	0.99661
56	97	18.66287	2.65226	0.97833	0.99909	0.99954	0.97833	0.99359	0.99679	16.91962	2.61510	0.97961	0.99903	0.99951	0.97961	0.99369	0.99684
56	98	18.66287	2.47567	0.97833	0.99921	0.99960	0.97833	0.99403	0.99700	16.91962	2.44340	0.97961	0.99915	0.99958	0.97961	0.99412	0.99705
56	99	18.66287	2.31535	0.97833	0.99931	0.99965	0.97833	0.99442	0.99720	16.91962	2.28724	0.97961	0.99926	0.99963	0.97961	0.99450	0.99724
56	100	18.66287	2.16976	0.97833	0.99939	0.99970	0.97833	0.99478	0.99739	16.91962	2.14523	0.97961	0.99935	0.99967	0.97961	0.99486	0.99742
56	101	18.66287	2.03734	0.97833	0.99947	0.99973	0.97833	0.99512	0.99755	16.91962	2.01587	0.97961	0.99943	0.99971	0.97961	0.99518	0.99759
56	102	18.66287	1.91714	0.97833	0.99953	0.99976	0.97833	0.99542	0.99771	16.91962	1.89830	0.97961	0.99949	0.99975	0.97961	0.99548	0.99773
56	103	18.66287	1.80800	0.97833	0.99958	0.99979	0.97833	0.99570	0.99784	16.91962	1.79140	0.97961	0.99955	0.99978	0.97961	0.99575	0.99787
56	104	18.66287	1.70943	0.97833	0.99963	0.99981	0.97833	0.99595	0.99797	16.91962	1.69474	0.97961	0.99960	0.99980	0.97961	0.99600	0.99800
56	105	18.66287	1.62048	0.97833	0.99967	0.99983	0.97833	0.99618	0.99809	16.91962	1.60741	0.97961	0.99964	0.99982	0.97961	0.99622	0.99811
56	106	18.66287	1.54080	0.97833	0.99970	0.99985	0.97833	0.99638	0.99819	16.91962	1.52911	0.97961	0.99968	0.99984	0.97961	0.99642	0.99821
56	107	18.66287	1.47009	0.97833	0.99973	0.99986	0.97833	0.99655	0.99827	16.91962	1.45954	0.97961	0.99971	0.99985	0.97961	0.99659	0.99829
56	108	18.66287	1.40861	0.97833	0.99975	0.99988	0.97833	0.99670	0.99835	16.91962	1.39898	0.97961	0.99973	0.99987	0.97961	0.99673	0.99836
56	109	18.66287	1.35764	0.97833	0.99977	0.99988	0.97833	0.99681	0.99840	16.91962	1.34871	0.97961	0.99975	0.99987	0.97961	0.99685	0.99842
56	110	18.66287	1.32125	0.97833	0.99978	0.99989	0.97833	0.99689	0.99844	16.91962	1.31279	0.97961	0.99976	0.99988	0.97961	0.99692	0.99846
57	1	18.34551	26.72925	0.97674	0.68550	0.81341	0.97674	0.68511	0.81313	16.66631	22.57586	0.97808	0.73732	0.84880	0.97808	0.73700	0.84859
57	2	18.34551	26.68154	0.97674	0.68672	0.81427	0.97674	0.68633	0.81399	16.66631	22.55058	0.97808	0.73815	0.84935	0.97808	0.73782	0.84913
57	3	18.34551	26.63112	0.97674	0.68800	0.81516	0.97674	0.68760	0.81488	16.66631	22.52338	0.97808	0.73902	0.84992	0.97808	0.73868	0.84970
57	4	18.34551	26.57806	0.97674	0.68933	0.81610	0.97674	0.68892	0.81581	16.66631	22.49433	0.97808	0.73993	0.85053	0.97808	0.73959	0.85030
57	5	18.34551	26.52283	0.97674	0.69073	0.81708	0.97674	0.69030	0.81678	16.66631	22.46379	0.97808	0.74089	0.85116	0.97808	0.74053	0.85093
57	6	18.34551	26.46539	0.97674	0.69218	0.81809	0.97674	0.69173	0.81778	16.66631	22.43176	0.97808	0.74190	0.85183	0.97808	0.74153	0.85158
57	7	18.34551	26.40551	0.97674	0.69369	0.81915	0.97674	0.69322	0.81882	16.66631	22.39806	0.97808	0.74296	0.85253	0.97808	0.74256	0.85227
57	8	18.34551	26.34335	0.97674	0.69527	0.82024	0.97674	0.69477	0.81990	16.66631	22.36278	0.97808	0.74406	0.85325	0.97808	0.74365	0.85298
57	9	18.34551	26.27867	0.97674	0.69691	0.82139	0.97674	0.69638	0.82102	16.66631	22.32575	0.97808	0.74522	0.85402	0.97808	0.74479	0.85373
57	10	18.34551	26.21121	0.97674	0.69862	0.82257	0.97674	0.69806	0.82219	16.66631	22.28674	0.97808	0.74644	0.85481	0.97808	0.74598	0.85451
57	11	18.34551	26.14141	0.97674	0.70040	0.82381	0.97674	0.69981	0.82340	16.66631	22.24611	0.97808	0.74772	0.85565	0.97808	0.74722	0.85533
57	12	18.34551	26.06892	0.97674	0.70226	0.82509	0.97674	0.70163	0.82466	16.66631	22.20360	0.97808	0.74905	0.85652	0.97808	0.74853	0.85618
57	13	18.34551	25.99388	0.97674	0.70419	0.82642	0.97674	0.70352	0.82596	16.66631	22.15929	0.97808	0.75045	0.85743	0.97808	0.74989	0.85707
57	14	18.34551	25.91617	0.97674	0.70620	0.82780	0.97674	0.70549	0.82732	16.66631	22.11310	0.97808	0.75191	0.85839	0.97808	0.75132	0.85800
57	15	18.34551	25.83587	0.97674	0.70829	0.82924	0.97674	0.70755	0.82873	16.66631	22.06509	0.97808	0.75343	0.85938	0.97808	0.75281	0.85898

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
57	16	18.34551	25.75319	0.97674	0.71046	0.83072	0.97674	0.70968	0.83019	16.66631	22.01544	0.97808	0.75503	0.86042	0.97808	0.75438	0.85999
57	17	18.34551	25.66857	0.97674	0.71271	0.83226	0.97674	0.71191	0.83171	16.66631	21.96453	0.97808	0.75669	0.86149	0.97808	0.75602	0.86106
57	18	18.34551	25.58235	0.97674	0.71505	0.83385	0.97674	0.71422	0.83329	16.66631	21.91267	0.97808	0.75842	0.86261	0.97808	0.75773	0.86217
57	19	18.34551	25.49361	0.97674	0.71747	0.83550	0.97674	0.71663	0.83493	16.66631	21.85907	0.97808	0.76022	0.86378	0.97808	0.75952	0.86333
57	20	18.34551	25.40164	0.97674	0.72000	0.83721	0.97674	0.71914	0.83663	16.66631	21.80312	0.97808	0.76211	0.86500	0.97808	0.76140	0.86454
57	21	18.34551	25.30562	0.97674	0.72264	0.83899	0.97674	0.72176	0.83839	16.66631	21.74411	0.97808	0.76410	0.86628	0.97808	0.76337	0.86581
57	22	18.34551	25.20517	0.97674	0.72540	0.84085	0.97674	0.72447	0.84023	16.66631	21.68171	0.97808	0.76618	0.86761	0.97808	0.76542	0.86713
57	23	18.34551	25.09967	0.97674	0.72828	0.84278	0.97674	0.72730	0.84213	16.66631	21.61537	0.97808	0.76837	0.86902	0.97808	0.76757	0.86850
57	24	18.34551	24.98936	0.97674	0.73129	0.84479	0.97674	0.73025	0.84410	16.66631	21.54528	0.97808	0.77067	0.87048	0.97808	0.76981	0.86994
57	25	18.34551	24.87419	0.97674	0.73443	0.84688	0.97674	0.73330	0.84613	16.66631	21.47137	0.97808	0.77308	0.87202	0.97808	0.77216	0.87143
57	26	18.34551	24.75420	0.97674	0.73770	0.84905	0.97674	0.73648	0.84825	16.66631	21.39367	0.97808	0.77560	0.87362	0.97808	0.77461	0.87299
57	27	18.34551	24.62994	0.97674	0.74110	0.85130	0.97674	0.73979	0.85043	16.66631	21.31262	0.97808	0.77823	0.87529	0.97808	0.77716	0.87461
57	28	18.34551	24.50119	0.97674	0.74463	0.85363	0.97674	0.74322	0.85269	16.66631	21.22804	0.97808	0.78098	0.87702	0.97808	0.77983	0.87629
57	29	18.34551	24.36788	0.97674	0.74831	0.85604	0.97674	0.74678	0.85503	16.66631	21.13984	0.97808	0.78385	0.87883	0.97808	0.78260	0.87805
57	30	18.34551	24.23009	0.97674	0.75212	0.85853	0.97674	0.75047	0.85745	16.66631	21.04806	0.97808	0.78685	0.88071	0.97808	0.78550	0.87986
57	31	18.34551	24.08752	0.97674	0.75609	0.86111	0.97674	0.75430	0.85995	16.66631	20.95246	0.97808	0.78997	0.88266	0.97808	0.78851	0.88175
57	32	18.34551	23.94006	0.97674	0.76021	0.86377	0.97674	0.75828	0.86252	16.66631	20.85289	0.97808	0.79322	0.88469	0.97808	0.79165	0.88371
57	33	18.34551	23.78740	0.97674	0.76448	0.86652	0.97674	0.76240	0.86518	16.66631	20.74907	0.97808	0.79661	0.88679	0.97808	0.79492	0.88574
57	34	18.34551	23.62942	0.97674	0.76891	0.86936	0.97674	0.76666	0.86792	16.66631	20.64088	0.97808	0.80014	0.88897	0.97808	0.79831	0.88785
57	35	18.34551	23.46579	0.97674	0.77350	0.87229	0.97674	0.77107	0.87074	16.66631	20.52800	0.97808	0.80381	0.89123	0.97808	0.80184	0.89002
57	36	18.34551	23.29632	0.97674	0.77826	0.87531	0.97674	0.77564	0.87364	16.66631	20.41023	0.97808	0.80762	0.89358	0.97808	0.80549	0.89227
57	37	18.34551	23.12089	0.97674	0.78319	0.87841	0.97674	0.78035	0.87662	16.66631	20.28745	0.97808	0.81159	0.89600	0.97808	0.80928	0.89459
57	38	18.34551	22.93911	0.97674	0.78828	0.88161	0.97674	0.78521	0.87968	16.66631	20.15926	0.97808	0.81570	0.89850	0.97808	0.81321	0.89698
57	39	18.34551	22.75087	0.97674	0.79355	0.88489	0.97674	0.79021	0.88281	16.66631	20.02555	0.97808	0.81996	0.90108	0.97808	0.81727	0.89945
57	40	18.34551	22.55572	0.97674	0.79898	0.88826	0.97674	0.79536	0.88602	16.66631	19.88587	0.97808	0.82438	0.90373	0.97808	0.82145	0.90198
57	41	18.34551	22.35340	0.97674	0.80457	0.89170	0.97674	0.80065	0.88929	16.66631	19.73995	0.97808	0.82894	0.90647	0.97808	0.82577	0.90457
57	42	18.34551	22.14385	0.97674	0.81032	0.89522	0.97674	0.80607	0.89263	16.66631	19.58769	0.97808	0.83364	0.90927	0.97808	0.83021	0.90723
57	43	18.34551	21.92669	0.97674	0.81623	0.89882	0.97674	0.81163	0.89602	16.66631	19.42870	0.97808	0.83849	0.91215	0.97808	0.83476	0.90994
57	44	18.34551	21.70178	0.97674	0.82228	0.90247	0.97674	0.81729	0.89946	16.66631	19.26280	0.97808	0.84347	0.91509	0.97808	0.83943	0.91271
57	45	18.34551	21.46876	0.97674	0.82846	0.90619	0.97674	0.82307	0.90295	16.66631	19.08963	0.97808	0.84857	0.91808	0.97808	0.84420	0.91552
57	46	18.34551	21.22763	0.97674	0.83477	0.90994	0.97674	0.82894	0.90647	16.66631	18.90911	0.97808	0.85379	0.92113	0.97808	0.84907	0.91837
57	47	18.34551	20.97813	0.97674	0.84118	0.91374	0.97674	0.83489	0.91001	16.66631	18.72094	0.97808	0.85912	0.92422	0.97808	0.85401	0.92126
57	48	18.34551	20.72003	0.97674	0.84768	0.91756	0.97674	0.84090	0.91357	16.66631	18.52488	0.97808	0.86453	0.92734	0.97808	0.85902	0.92417
57	49	18.34551	20.45326	0.97674	0.85425	0.92139	0.97674	0.84696	0.91714	16.66631	18.32076	0.97808	0.87002	0.93049	0.97808	0.86409	0.92709
57	50	18.34551	20.17742	0.97674	0.86086	0.92523	0.97674	0.85305	0.92070	16.66631	18.10816	0.97808	0.87556	0.93365	0.97808	0.86920	0.93002
57	51	18.34551	19.89339	0.97674	0.86749	0.92905	0.97674	0.85914	0.92423	16.66631	17.88781	0.97808	0.88114	0.93682	0.97808	0.87432	0.93295
57	52	18.34551	19.60122	0.97674	0.87412	0.93283	0.97674	0.86522	0.92774	16.66631	17.65967	0.97808	0.88673	0.93997	0.97808	0.87945	0.93586
57	53	18.34551	19.30125	0.97674	0.88071	0.93657	0.97674	0.87126	0.93120	16.66631	17.42398	0.97808	0.89231	0.94309	0.97808	0.88457	0.93875
57	54	18.34551	18.99375	0.97674	0.88724	0.94025	0.97674	0.87725	0.93461	16.66631	17.18091	0.97808	0.89786	0.94618	0.97808	0.88965	0.94160
57	55	18.34551	18.67912	0.97674	0.89368	0.94386	0.97674	0.88316	0.93795	16.66631	16.93076	0.97808	0.90335	0.94922	0.97808	0.89468	0.94441
57	56	18.34551	18.35803	0.97674	0.90000	0.94737	0.97674	0.88897	0.94122	16.66631	16.67407	0.97808	0.90876	0.95220	0.97808	0.89965	0.94717

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
57	57	18.34551	18.02853	0.97674	0.90619	0.95079	0.97674	0.89466	0.94440	16.66631	16.40902	0.97808	0.91408	0.95511	0.97808	0.90453	0.94987
57	58	18.34551	17.69065	0.97674	0.91223	0.95410	0.97674	0.90022	0.94749	16.66631	16.13552	0.97808	0.91929	0.95795	0.97808	0.90931	0.95250
57	59	18.34551	17.34441	0.97674	0.91808	0.95729	0.97674	0.90562	0.95048	16.66631	15.85354	0.97808	0.92436	0.96069	0.97808	0.91398	0.95505
57	60	18.34551	16.98967	0.97674	0.92374	0.96036	0.97674	0.91086	0.95335	16.66631	15.56284	0.97808	0.92929	0.96335	0.97808	0.91851	0.95753
57	61	18.34551	16.62627	0.97674	0.92919	0.96330	0.97674	0.91592	0.95611	16.66631	15.26320	0.97808	0.93405	0.96590	0.97808	0.92291	0.95991
57	62	18.34551	16.25423	0.97674	0.93442	0.96610	0.97674	0.92078	0.95876	16.66631	14.95454	0.97808	0.93865	0.96835	0.97808	0.92715	0.96220
57	63	18.34551	15.87341	0.97674	0.93940	0.96876	0.97674	0.92545	0.96128	16.66631	14.63664	0.97808	0.94306	0.97069	0.97808	0.93124	0.96440
57	64	18.34551	15.48353	0.97674	0.94415	0.97127	0.97674	0.92991	0.96368	16.66631	14.30913	0.97808	0.94727	0.97292	0.97808	0.93517	0.96650
57	65	18.34551	15.08480	0.97674	0.94865	0.97365	0.97674	0.93417	0.96597	16.66631	13.97213	0.97808	0.95129	0.97504	0.97808	0.93893	0.96850
57	66	18.34551	14.67724	0.97674	0.95290	0.97588	0.97674	0.93822	0.96813	16.66631	13.62552	0.97808	0.95511	0.97704	0.97808	0.94252	0.97041
57	67	18.34551	14.26104	0.97674	0.95691	0.97798	0.97674	0.94207	0.97017	16.66631	13.26940	0.97808	0.95873	0.97893	0.97808	0.94594	0.97222
57	68	18.34551	13.83657	0.97674	0.96066	0.97994	0.97674	0.94571	0.97210	16.66631	12.90401	0.97808	0.96215	0.98071	0.97808	0.94919	0.97393
57	69	18.34551	13.40435	0.97674	0.96418	0.98176	0.97674	0.94915	0.97391	16.66631	12.52973	0.97808	0.96537	0.98238	0.97808	0.95228	0.97556
57	70	18.34551	12.96501	0.97674	0.96745	0.98346	0.97674	0.95240	0.97562	16.66631	12.14706	0.97808	0.96838	0.98394	0.97808	0.95520	0.97709
57	71	18.34551	12.51927	0.97674	0.97050	0.98503	0.97674	0.95546	0.97722	16.66631	11.75658	0.97808	0.97121	0.98539	0.97808	0.95797	0.97853
57	72	18.34551	12.06792	0.97674	0.97333	0.98648	0.97674	0.95834	0.97873	16.66631	11.35893	0.97808	0.97384	0.98675	0.97808	0.96059	0.97990
57	73	18.34551	11.61185	0.97674	0.97594	0.98782	0.97674	0.96105	0.98014	16.66631	10.95491	0.97808	0.97630	0.98801	0.97808	0.96306	0.98118
57	74	18.34551	11.15217	0.97674	0.97835	0.98906	0.97674	0.96360	0.98146	16.66631	10.54549	0.97808	0.97857	0.98917	0.97808	0.96539	0.98239
57	75	18.34551	10.68986	0.97674	0.98057	0.99019	0.97674	0.96600	0.98271	16.66631	10.13154	0.97808	0.98068	0.99025	0.97808	0.96760	0.98353
57	76	18.34551	10.22626	0.97674	0.98261	0.99123	0.97674	0.96825	0.98387	16.66631	9.71428	0.97808	0.98263	0.99124	0.97808	0.96967	0.98460
57	77	18.34551	9.76277	0.97674	0.98447	0.99218	0.97674	0.97036	0.98496	16.66631	9.29502	0.97808	0.98442	0.99215	0.97808	0.97163	0.98561
57	78	18.34551	9.30064	0.97674	0.98617	0.99304	0.97674	0.97235	0.98598	16.66631	8.87492	0.97808	0.98607	0.99299	0.97808	0.97347	0.98656
57	79	18.34551	8.84103	0.97674	0.98772	0.99382	0.97674	0.97421	0.98694	16.66631	8.45509	0.97808	0.98758	0.99375	0.97808	0.97520	0.98745
57	80	18.34551	8.38551	0.97674	0.98913	0.99453	0.97674	0.97595	0.98783	16.66631	8.03703	0.97808	0.98895	0.99445	0.97808	0.97684	0.98828
57	81	18.34551	7.93532	0.97674	0.99040	0.99518	0.97674	0.97759	0.98867	16.66631	7.62196	0.97808	0.99021	0.99508	0.97808	0.97838	0.98907
57	82	18.34551	7.49211	0.97674	0.99155	0.99576	0.97674	0.97913	0.98946	16.66631	7.21152	0.97808	0.99135	0.99565	0.97808	0.97983	0.98981
57	83	18.34551	7.05756	0.97674	0.99258	0.99628	0.97674	0.98058	0.99019	16.66631	6.80735	0.97808	0.99238	0.99617	0.97808	0.98119	0.99051
57	84	18.34551	6.63342	0.97674	0.99351	0.99674	0.97674	0.98193	0.99088	16.66631	6.41122	0.97808	0.99330	0.99664	0.97808	0.98247	0.99116
57	85	18.34551	6.22156	0.97674	0.99433	0.99716	0.97674	0.98319	0.99153	16.66631	6.02503	0.97808	0.99413	0.99706	0.97808	0.98367	0.99177
57	86	18.34551	5.82374	0.97674	0.99507	0.99753	0.97674	0.98438	0.99213	16.66631	5.65055	0.97808	0.99487	0.99743	0.97808	0.98480	0.99234
57	87	18.34551	5.44155	0.97674	0.99571	0.99785	0.97674	0.98548	0.99269	16.66631	5.28949	0.97808	0.99553	0.99776	0.97808	0.98586	0.99288
57	88	18.34551	5.07613	0.97674	0.99628	0.99814	0.97674	0.98651	0.99321	16.66631	4.94306	0.97808	0.99611	0.99805	0.97808	0.98685	0.99338
57	89	18.34551	4.72862	0.97674	0.99678	0.99839	0.97674	0.98747	0.99370	16.66631	4.61250	0.97808	0.99663	0.99831	0.97808	0.98777	0.99385
57	90	18.34551	4.40007	0.97674	0.99722	0.99861	0.97674	0.98837	0.99415	16.66631	4.29901	0.97808	0.99707	0.99854	0.97808	0.98863	0.99428
57	91	18.34551	4.09149	0.97674	0.99760	0.99880	0.97674	0.98920	0.99457	16.66631	4.00370	0.97808	0.99747	0.99873	0.97808	0.98942	0.99468
57	92	18.34551	3.80354	0.97674	0.99792	0.99896	0.97674	0.98996	0.99496	16.66631	3.72738	0.97808	0.99781	0.99890	0.97808	0.99017	0.99506
57	93	18.34551	3.53621	0.97674	0.99821	0.99910	0.97674	0.99067	0.99532	16.66631	3.47020	0.97808	0.99810	0.99905	0.97808	0.99085	0.99541
57	94	18.34551	3.28870	0.97674	0.99845	0.99922	0.97674	0.99133	0.99565	16.66631	3.23152	0.97808	0.99835	0.99918	0.97808	0.99149	0.99573
57	95	18.34551	3.05955	0.97674	0.99866	0.99933	0.97674	0.99194	0.99595	16.66631	3.01004	0.97808	0.99857	0.99929	0.97808	0.99208	0.99602
57	96	18.34551	2.84646	0.97674	0.99884	0.99942	0.97674	0.99250	0.99623	16.66631	2.80360	0.97808	0.99876	0.99938	0.97808	0.99262	0.99630
57	97	18.34551	2.65226	0.97674	0.99899	0.99949	0.97674	0.99301	0.99649	16.66631	2.61510	0.97808	0.99892	0.99946	0.97808	0.99312	0.99655

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
57	98	18.34551	2.47567	0.97674	0.99912	0.99956	0.97674	0.99348	0.99673	16.66631	2.44340	0.97808	0.99906	0.99953	0.97808	0.99358	0.99678
57	99	18.34551	2.31535	0.97674	0.99923	0.99962	0.97674	0.99391	0.99695	16.66631	2.28724	0.97808	0.99918	0.99959	0.97808	0.99400	0.99699
57	100	18.34551	2.16976	0.97674	0.99933	0.99966	0.97674	0.99431	0.99714	16.66631	2.14523	0.97808	0.99928	0.99964	0.97808	0.99438	0.99718
57	101	18.34551	2.03734	0.97674	0.99941	0.99970	0.97674	0.99467	0.99733	16.66631	2.01587	0.97808	0.99936	0.99968	0.97808	0.99474	0.99736
57	102	18.34551	1.91714	0.97674	0.99948	0.99974	0.97674	0.99500	0.99749	16.66631	1.89830	0.97808	0.99944	0.99972	0.97808	0.99506	0.99752
57	103	18.34551	1.80800	0.97674	0.99954	0.99977	0.97674	0.99530	0.99764	16.66631	1.79140	0.97808	0.99950	0.99975	0.97808	0.99536	0.99767
57	104	18.34551	1.70943	0.97674	0.99959	0.99979	0.97674	0.99557	0.99778	16.66631	1.69474	0.97808	0.99956	0.99978	0.97808	0.99563	0.99781
57	105	18.34551	1.62048	0.97674	0.99963	0.99982	0.97674	0.99582	0.99791	16.66631	1.60741	0.97808	0.99960	0.99980	0.97808	0.99587	0.99793
57	106	18.34551	1.54080	0.97674	0.99967	0.99983	0.97674	0.99604	0.99802	16.66631	1.52911	0.97808	0.99964	0.99982	0.97808	0.99608	0.99804
57	107	18.34551	1.47009	0.97674	0.99970	0.99985	0.97674	0.99623	0.99811	16.66631	1.45954	0.97808	0.99967	0.99984	0.97808	0.99627	0.99813
57	108	18.34551	1.40861	0.97674	0.99972	0.99986	0.97674	0.99639	0.99819	16.66631	1.39898	0.97808	0.99970	0.99985	0.97808	0.99643	0.99821
57	109	18.34551	1.35764	0.97674	0.99974	0.99987	0.97674	0.99651	0.99825	16.66631	1.34871	0.97808	0.99972	0.99986	0.97808	0.99655	0.99827
57	110	18.34551	1.32125	0.97674	0.99975	0.99988	0.97674	0.99660	0.99830	16.66631	1.31279	0.97808	0.99973	0.99987	0.97808	0.99663	0.99831
58	1	18.01979	26.72925	0.97507	0.67337	0.80481	0.97507	0.67298	0.80453	16.40469	22.57586	0.97646	0.72579	0.84111	0.97646	0.72546	0.84089
58	2	18.01979	26.68154	0.97507	0.67457	0.80566	0.97507	0.67418	0.80539	16.40469	22.55058	0.97646	0.72660	0.84165	0.97646	0.72628	0.84144
58	3	18.01979	26.63112	0.97507	0.67582	0.80656	0.97507	0.67543	0.80628	16.40469	22.52338	0.97646	0.72746	0.84223	0.97646	0.72713	0.84201
58	4	18.01979	26.57806	0.97507	0.67714	0.80749	0.97507	0.67673	0.80720	16.40469	22.49433	0.97646	0.72836	0.84283	0.97646	0.72802	0.84261
58	5	18.01979	26.52283	0.97507	0.67851	0.80847	0.97507	0.67809	0.80817	16.40469	22.46379	0.97646	0.72931	0.84347	0.97646	0.72895	0.84323
58	6	18.01979	26.46539	0.97507	0.67994	0.80948	0.97507	0.67949	0.80916	16.40469	22.43176	0.97646	0.73030	0.84413	0.97646	0.72993	0.84388
58	7	18.01979	26.40551	0.97507	0.68143	0.81053	0.97507	0.68096	0.81020	16.40469	22.39806	0.97646	0.73135	0.84483	0.97646	0.73095	0.84457
58	8	18.01979	26.34335	0.97507	0.68298	0.81163	0.97507	0.68249	0.81128	16.40469	22.36278	0.97646	0.73244	0.84556	0.97646	0.73203	0.84528
58	9	18.01979	26.27867	0.97507	0.68459	0.81277	0.97507	0.68407	0.81240	16.40469	22.32575	0.97646	0.73359	0.84632	0.97646	0.73315	0.84603
58	10	18.01979	26.21121	0.97507	0.68628	0.81396	0.97507	0.68573	0.81357	16.40469	22.28674	0.97646	0.73479	0.84712	0.97646	0.73432	0.84681
58	11	18.01979	26.14141	0.97507	0.68803	0.81519	0.97507	0.68745	0.81478	16.40469	22.24611	0.97646	0.73605	0.84796	0.97646	0.73555	0.84763
58	12	18.01979	26.06892	0.97507	0.68986	0.81647	0.97507	0.68924	0.81604	16.40469	22.20360	0.97646	0.73736	0.84883	0.97646	0.73684	0.84848
58	13	18.01979	25.99388	0.97507	0.69176	0.81780	0.97507	0.69111	0.81734	16.40469	22.15929	0.97646	0.73874	0.84974	0.97646	0.73819	0.84938
58	14	18.01979	25.91617	0.97507	0.69374	0.81918	0.97507	0.69305	0.81870	16.40469	22.11310	0.97646	0.74018	0.85070	0.97646	0.73960	0.85031
58	15	18.01979	25.83587	0.97507	0.69580	0.82062	0.97507	0.69507	0.82011	16.40469	22.06509	0.97646	0.74169	0.85169	0.97646	0.74108	0.85128
58	16	18.01979	25.75319	0.97507	0.69794	0.82210	0.97507	0.69717	0.82157	16.40469	22.01544	0.97646	0.74327	0.85273	0.97646	0.74262	0.85230
58	17	18.01979	25.66857	0.97507	0.70016	0.82364	0.97507	0.69937	0.82309	16.40469	21.96453	0.97646	0.74491	0.85381	0.97646	0.74424	0.85337
58	18	18.01979	25.58235	0.97507	0.70246	0.82523	0.97507	0.70165	0.82467	16.40469	21.91267	0.97646	0.74662	0.85493	0.97646	0.74593	0.85448
58	19	18.01979	25.49361	0.97507	0.70486	0.82688	0.97507	0.70403	0.82631	16.40469	21.85907	0.97646	0.74840	0.85610	0.97646	0.74771	0.85564
58	20	18.01979	25.40164	0.97507	0.70735	0.82859	0.97507	0.70651	0.82801	16.40469	21.80312	0.97646	0.75028	0.85732	0.97646	0.74957	0.85686
58	21	18.01979	25.30562	0.97507	0.70996	0.83038	0.97507	0.70908	0.82978	16.40469	21.74411	0.97646	0.75224	0.85860	0.97646	0.75151	0.85813
58	22	18.01979	25.20517	0.97507	0.71268	0.83224	0.97507	0.71177	0.83162	16.40469	21.68171	0.97646	0.75430	0.85995	0.97646	0.75355	0.85946
58	23	18.01979	25.09967	0.97507	0.71552	0.83417	0.97507	0.71457	0.83352	16.40469	21.61537	0.97646	0.75647	0.86135	0.97646	0.75568	0.86084
58	24	18.01979	24.98936	0.97507	0.71849	0.83619	0.97507	0.71747	0.83550	16.40469	21.54528	0.97646	0.75875	0.86283	0.97646	0.75790	0.86228
58	25	18.01979	24.87419	0.97507	0.72160	0.83829	0.97507	0.72050	0.83755	16.40469	21.47137	0.97646	0.76114	0.86437	0.97646	0.76023	0.86379
58	26	18.01979	24.75420	0.97507	0.72483	0.84047	0.97507	0.72365	0.83967	16.40469	21.39367	0.97646	0.76364	0.86598	0.97646	0.76266	0.86535
58	27	18.01979	24.62994	0.97507	0.72819	0.84272	0.97507	0.72691	0.84187	16.40469	21.31262	0.97646	0.76625	0.86766	0.97646	0.76520	0.86698
58	28	18.01979	24.50119	0.97507	0.73170	0.84506	0.97507	0.73031	0.84414	16.40469	21.22804	0.97646	0.76899	0.86941	0.97646	0.76785	0.86868

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
58	29	18.01979	24.36788	0.97507	0.73534	0.84749	0.97507	0.73384	0.84649	16.40469	21.13984	0.97646	0.77184	0.87123	0.97646	0.77061	0.87044
58	30	18.01979	24.23009	0.97507	0.73912	0.84999	0.97507	0.73751	0.84893	16.40469	21.04806	0.97646	0.77482	0.87312	0.97646	0.77349	0.87228
58	31	18.01979	24.08752	0.97507	0.74306	0.85259	0.97507	0.74131	0.85144	16.40469	20.95246	0.97646	0.77793	0.87509	0.97646	0.77649	0.87419
58	32	18.01979	23.94006	0.97507	0.74715	0.85528	0.97507	0.74526	0.85404	16.40469	20.85289	0.97646	0.78117	0.87714	0.97646	0.77962	0.87617
58	33	18.01979	23.78740	0.97507	0.75139	0.85805	0.97507	0.74936	0.85672	16.40469	20.74907	0.97646	0.78455	0.87927	0.97646	0.78288	0.87822
58	34	18.01979	23.62942	0.97507	0.75580	0.86092	0.97507	0.75361	0.85949	16.40469	20.64088	0.97646	0.78807	0.88148	0.97646	0.78627	0.88035
58	35	18.01979	23.46579	0.97507	0.76038	0.86388	0.97507	0.75800	0.86235	16.40469	20.52800	0.97646	0.79174	0.88377	0.97646	0.78980	0.88256
58	36	18.01979	23.29632	0.97507	0.76513	0.86694	0.97507	0.76256	0.86529	16.40469	20.41023	0.97646	0.79556	0.88614	0.97646	0.79346	0.88484
58	37	18.01979	23.12089	0.97507	0.77005	0.87009	0.97507	0.76727	0.86831	16.40469	20.28745	0.97646	0.79954	0.88860	0.97646	0.79726	0.88720
58	38	18.01979	22.93911	0.97507	0.77515	0.87333	0.97507	0.77213	0.87141	16.40469	20.15926	0.97646	0.80367	0.89115	0.97646	0.80120	0.88963
58	39	18.01979	22.75087	0.97507	0.78042	0.87667	0.97507	0.77715	0.87460	16.40469	20.02555	0.97646	0.80795	0.89378	0.97646	0.80528	0.89214
58	40	18.01979	22.55572	0.97507	0.78587	0.88010	0.97507	0.78232	0.87787	16.40469	19.88587	0.97646	0.81240	0.89649	0.97646	0.80950	0.89473
58	41	18.01979	22.35340	0.97507	0.79150	0.88362	0.97507	0.78765	0.88121	16.40469	19.73995	0.97646	0.81701	0.89929	0.97646	0.81386	0.89738
58	42	18.01979	22.14385	0.97507	0.79730	0.88722	0.97507	0.79312	0.88462	16.40469	19.58769	0.97646	0.82177	0.90216	0.97646	0.81835	0.90010
58	43	18.01979	21.92669	0.97507	0.80327	0.89090	0.97507	0.79873	0.88810	16.40469	19.42870	0.97646	0.82668	0.90512	0.97646	0.82298	0.90289
58	44	18.01979	21.70178	0.97507	0.80940	0.89466	0.97507	0.80447	0.89164	16.40469	19.26280	0.97646	0.83175	0.90815	0.97646	0.82772	0.90574
58	45	18.01979	21.46876	0.97507	0.81569	0.89849	0.97507	0.81034	0.89524	16.40469	19.08963	0.97646	0.83695	0.91124	0.97646	0.83259	0.90865
58	46	18.01979	21.22763	0.97507	0.82212	0.90238	0.97507	0.81633	0.89888	16.40469	18.90911	0.97646	0.84229	0.91440	0.97646	0.83756	0.91160
58	47	18.01979	20.97813	0.97507	0.82867	0.90631	0.97507	0.82241	0.90255	16.40469	18.72094	0.97646	0.84776	0.91761	0.97646	0.84263	0.91460
58	48	18.01979	20.72003	0.97507	0.83534	0.91029	0.97507	0.82858	0.90625	16.40469	18.52488	0.97646	0.85333	0.92086	0.97646	0.84779	0.91763
58	49	18.01979	20.45326	0.97507	0.84211	0.91429	0.97507	0.83481	0.90997	16.40469	18.32076	0.97646	0.85900	0.92415	0.97646	0.85302	0.92068
58	50	18.01979	20.17742	0.97507	0.84895	0.91831	0.97507	0.84110	0.91369	16.40469	18.10816	0.97646	0.86475	0.92747	0.97646	0.85831	0.92376
58	51	18.01979	19.89339	0.97507	0.85584	0.92232	0.97507	0.84742	0.91741	16.40469	17.88781	0.97646	0.87056	0.93080	0.97646	0.86365	0.92683
58	52	18.01979	19.60122	0.97507	0.86275	0.92632	0.97507	0.85375	0.92111	16.40469	17.65967	0.97646	0.87641	0.93413	0.97646	0.86900	0.92991
58	53	18.01979	19.30125	0.97507	0.86966	0.93028	0.97507	0.86007	0.92477	16.40469	17.42398	0.97646	0.88227	0.93745	0.97646	0.87436	0.93297
58	54	18.01979	18.99375	0.97507	0.87653	0.93420	0.97507	0.86636	0.92839	16.40469	17.18091	0.97646	0.88812	0.94074	0.97646	0.87971	0.93601
58	55	18.01979	18.67912	0.97507	0.88333	0.93805	0.97507	0.87258	0.93196	16.40469	16.93076	0.97646	0.89393	0.94400	0.97646	0.88503	0.93901
58	56	18.01979	18.35803	0.97507	0.89004	0.94182	0.97507	0.87874	0.93545	16.40469	16.67407	0.97646	0.89969	0.94719	0.97646	0.89030	0.94197
58	57	18.01979	18.02853	0.97507	0.89665	0.94551	0.97507	0.88479	0.93887	16.40469	16.40902	0.97646	0.90537	0.95033	0.97646	0.89550	0.94487
58	58	18.01979	17.69065	0.97507	0.90311	0.94909	0.97507	0.89072	0.94220	16.40469	16.13552	0.97646	0.91095	0.95340	0.97646	0.90062	0.94771
58	59	18.01979	17.34441	0.97507	0.90942	0.95256	0.97507	0.89652	0.94543	16.40469	15.85354	0.97646	0.91642	0.95639	0.97646	0.90563	0.95048
58	60	18.01979	16.98967	0.97507	0.91554	0.95591	0.97507	0.90215	0.94856	16.40469	15.56284	0.97646	0.92175	0.95928	0.97646	0.91052	0.95317
58	61	18.01979	16.62627	0.97507	0.92145	0.95912	0.97507	0.90761	0.95157	16.40469	15.26320	0.97646	0.92693	0.96208	0.97646	0.91528	0.95577
58	62	18.01979	16.25423	0.97507	0.92715	0.96220	0.97507	0.91289	0.95446	16.40469	14.95454	0.97646	0.93194	0.96477	0.97646	0.91989	0.95827
58	63	18.01979	15.87341	0.97507	0.93261	0.96513	0.97507	0.91797	0.95723	16.40469	14.63664	0.97646	0.93677	0.96735	0.97646	0.92435	0.96069
58	64	18.01979	15.48353	0.97507	0.93783	0.96792	0.97507	0.92285	0.95988	16.40469	14.30913	0.97646	0.94140	0.96982	0.97646	0.92864	0.96300
58	65	18.01979	15.08480	0.97507	0.94279	0.97055	0.97507	0.92751	0.96239	16.40469	13.97213	0.97646	0.94583	0.97216	0.97646	0.93276	0.96521
58	66	18.01979	14.67724	0.97507	0.94749	0.97304	0.97507	0.93196	0.96478	16.40469	13.62552	0.97646	0.95005	0.97439	0.97646	0.93670	0.96732
58	67	18.01979	14.26104	0.97507	0.95193	0.97537	0.97507	0.93619	0.96704	16.40469	13.26940	0.97646	0.95406	0.97649	0.97646	0.94047	0.96932
58	68	18.01979	13.83657	0.97507	0.95610	0.97756	0.97507	0.94021	0.96918	16.40469	12.90401	0.97646	0.95785	0.97847	0.97646	0.94406	0.97123
58	69	18.01979	13.40435	0.97507	0.96002	0.97960	0.97507	0.94401	0.97120	16.40469	12.52973	0.97646	0.96143	0.98034	0.97646	0.94748	0.97303

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
58	70	18.01979	12.96501	0.97507	0.96367	0.98150	0.97507	0.94761	0.97310	16.40469	12.14706	0.97646	0.96479	0.98208	0.97646	0.95072	0.97474				
58	71	18.01979	12.51927	0.97507	0.96708	0.98326	0.97507	0.95100	0.97488	16.40469	11.75658	0.97646	0.96794	0.98371	0.97646	0.95378	0.97635				
58	72	18.01979	12.06792	0.97507	0.97024	0.98489	0.97507	0.95420	0.97656	16.40469	11.35893	0.97646	0.97088	0.98523	0.97646	0.95669	0.97786				
58	73	18.01979	11.61185	0.97507	0.97316	0.98640	0.97507	0.95721	0.97814	16.40469	10.95491	0.97646	0.97362	0.98663	0.97646	0.95943	0.97929				
58	74	18.01979	11.15217	0.97507	0.97586	0.98778	0.97507	0.96004	0.97961	16.40469	10.54549	0.97646	0.97617	0.98794	0.97646	0.96202	0.98064				
58	75	18.01979	10.68986	0.97507	0.97835	0.98906	0.97507	0.96269	0.98099	16.40469	10.13154	0.97646	0.97852	0.98914	0.97646	0.96446	0.98191				
58	76	18.01979	10.22626	0.97507	0.98063	0.99022	0.97507	0.96519	0.98229	16.40469	9.71428	0.97646	0.98070	0.99025	0.97646	0.96676	0.98310				
58	77	18.01979	9.76277	0.97507	0.98271	0.99128	0.97507	0.96753	0.98350	16.40469	9.29502	0.97646	0.98270	0.99127	0.97646	0.96893	0.98422				
58	78	18.01979	9.30064	0.97507	0.98462	0.99225	0.97507	0.96973	0.98463	16.40469	8.87492	0.97646	0.98454	0.99221	0.97646	0.97097	0.98527				
58	79	18.01979	8.84103	0.97507	0.98635	0.99313	0.97507	0.97179	0.98569	16.40469	8.45509	0.97646	0.98622	0.99306	0.97646	0.97289	0.98626				
58	80	18.01979	8.38551	0.97507	0.98792	0.99392	0.97507	0.97372	0.98669	16.40469	8.03703	0.97646	0.98776	0.99384	0.97646	0.97470	0.98719				
58	81	18.01979	7.93532	0.97507	0.98934	0.99464	0.97507	0.97553	0.98761	16.40469	7.62196	0.97646	0.98915	0.99455	0.97646	0.97640	0.98806				
58	82	18.01979	7.49211	0.97507	0.99062	0.99529	0.97507	0.97723	0.98848	16.40469	7.21152	0.97646	0.99042	0.99519	0.97646	0.97799	0.98887				
58	83	18.01979	7.05756	0.97507	0.99177	0.99587	0.97507	0.97882	0.98930	16.40469	6.80735	0.97646	0.99156	0.99576	0.97646	0.97949	0.98964				
58	84	18.01979	6.63342	0.97507	0.99280	0.99639	0.97507	0.98030	0.99005	16.40469	6.41122	0.97646	0.99259	0.99628	0.97646	0.98090	0.99036				
58	85	18.01979	6.22156	0.97507	0.99372	0.99685	0.97507	0.98169	0.99076	16.40469	6.02503	0.97646	0.99351	0.99675	0.97646	0.98222	0.99103				
58	86	18.01979	5.82374	0.97507	0.99453	0.99726	0.97507	0.98299	0.99142	16.40469	5.65055	0.97646	0.99433	0.99716	0.97646	0.98345	0.99166				
58	87	18.01979	5.44155	0.97507	0.99525	0.99762	0.97507	0.98420	0.99204	16.40469	5.28949	0.97646	0.99506	0.99752	0.97646	0.98461	0.99225				
58	88	18.01979	5.07613	0.97507	0.99588	0.99794	0.97507	0.98533	0.99261	16.40469	4.94306	0.97646	0.99571	0.99785	0.97646	0.98569	0.99279				
58	89	18.01979	4.72862	0.97507	0.99644	0.99822	0.97507	0.98637	0.99314	16.40469	4.61250	0.97646	0.99627	0.99813	0.97646	0.98669	0.99330				
58	90	18.01979	4.40007	0.97507	0.99692	0.99846	0.97507	0.98735	0.99363	16.40469	4.29901	0.97646	0.99677	0.99838	0.97646	0.98763	0.99378				
58	91	18.01979	4.09149	0.97507	0.99734	0.99867	0.97507	0.98825	0.99409	16.40469	4.00370	0.97646	0.99720	0.99860	0.97646	0.98850	0.99422				
58	92	18.01979	3.80354	0.97507	0.99770	0.99885	0.97507	0.98909	0.99451	16.40469	3.72738	0.97646	0.99758	0.99879	0.97646	0.98930	0.99462				
58	93	18.01979	3.53621	0.97507	0.99801	0.99901	0.97507	0.98986	0.99490	16.40469	3.47020	0.97646	0.99790	0.99895	0.97646	0.99005	0.99500				
58	94	18.01979	3.28870	0.97507	0.99828	0.99914	0.97507	0.99057	0.99526	16.40469	3.23152	0.97646	0.99818	0.99909	0.97646	0.99074	0.99535				
58	95	18.01979	3.05955	0.97507	0.99851	0.99926	0.97507	0.99123	0.99560	16.40469	3.01004	0.97646	0.99842	0.99921	0.97646	0.99138	0.99567				
58	96	18.01979	2.84646	0.97507	0.99871	0.99936	0.97507	0.99184	0.99590	16.40469	2.80360	0.97646	0.99863	0.99931	0.97646	0.99197	0.99597				
58	97	18.01979	2.65226	0.97507	0.99888	0.99944	0.97507	0.99240	0.99618	16.40469	2.61510	0.97646	0.99881	0.99940	0.97646	0.99251	0.99624				
58	98	18.01979	2.47567	0.97507	0.99903	0.99951	0.97507	0.99291	0.99644	16.40469	2.44340	0.97646	0.99896	0.99948	0.97646	0.99301	0.99649				
58	99	18.01979	2.31535	0.97507	0.99915	0.99957	0.97507	0.99337	0.99668	16.40469	2.28724	0.97646	0.99909	0.99954	0.97646	0.99347	0.99672				
58	100	18.01979	2.16976	0.97507	0.99925	0.99963	0.97507	0.99380	0.99689	16.40469	2.14523	0.97646	0.99920	0.99960	0.97646	0.99389	0.99693				
58	101	18.01979	2.03734	0.97507	0.99934	0.99967	0.97507	0.99419	0.99709	16.40469	2.01587	0.97646	0.99930	0.99965	0.97646	0.99427	0.99713				
58	102	18.01979	1.91714	0.97507	0.99942	0.99971	0.97507	0.99455	0.99727	16.40469	1.89830	0.97646	0.99938	0.99969	0.97646	0.99462	0.99730				
58	103	18.01979	1.80800	0.97507	0.99949	0.99974	0.97507	0.99488	0.99743	16.40469	1.79140	0.97646	0.99945	0.99972	0.97646	0.99494	0.99747				
58	104	18.01979	1.70943	0.97507	0.99954	0.99977	0.97507	0.99518	0.99758	16.40469	1.69474	0.97646	0.99951	0.99975	0.97646	0.99523	0.99761				
58	105	18.01979	1.62048	0.97507	0.99959	0.99980	0.97507	0.99545	0.99772	16.40469	1.60741	0.97646	0.99956	0.99978	0.97646	0.99550	0.99774				
58	106	18.01979	1.54080	0.97507	0.99963	0.99982	0.97507	0.99569	0.99784	16.40469	1.52911	0.97646	0.99960	0.99980	0.97646	0.99573	0.99786				
58	107	18.01979	1.47009	0.97507	0.99967	0.99983	0.97507	0.99589	0.99794	16.40469	1.45954	0.97646	0.99964	0.99982	0.97646	0.99594	0.99796				
58	108	18.01979	1.40861	0.97507	0.99969	0.99985	0.97507	0.99607	0.99803	16.40469	1.39898	0.97646	0.99967	0.99983	0.97646	0.99611	0.99805				
58	109	18.01979	1.35764	0.97507	0.99971	0.99986	0.97507	0.99620	0.99810	16.40469	1.34871	0.97646	0.99969	0.99985	0.97646	0.99624	0.99812				
58	110	18.01979	1.32125	0.97507	0.99973	0.99986	0.97507	0.99629	0.99814	16.40469	1.31279	0.97646	0.99971	0.99985	0.97646	0.99633	0.99816				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
59	1	17.68549	26.72925	0.97329	0.66091	0.79584	0.97329	0.66053	0.79557	16.13450	22.57586	0.97473	0.71387	0.83305	0.97473	0.71355	0.83283
59	2	17.68549	26.68154	0.97329	0.66209	0.79670	0.97329	0.66171	0.79642	16.13450	22.55058	0.97473	0.71467	0.83360	0.97473	0.71435	0.83338
59	3	17.68549	26.63112	0.97329	0.66333	0.79759	0.97329	0.66294	0.79731	16.13450	22.52338	0.97473	0.71552	0.83417	0.97473	0.71519	0.83395
59	4	17.68549	26.57806	0.97329	0.66462	0.79853	0.97329	0.66422	0.79824	16.13450	22.49433	0.97473	0.71641	0.83478	0.97473	0.71607	0.83454
59	5	17.68549	26.52283	0.97329	0.66597	0.79950	0.97329	0.66555	0.79920	16.13450	22.46379	0.97473	0.71734	0.83541	0.97473	0.71699	0.83517
59	6	17.68549	26.46539	0.97329	0.66737	0.80051	0.97329	0.66693	0.80019	16.13450	22.43176	0.97473	0.71832	0.83607	0.97473	0.71795	0.83582
59	7	17.68549	26.40551	0.97329	0.66884	0.80156	0.97329	0.66838	0.80123	16.13450	22.39806	0.97473	0.71935	0.83677	0.97473	0.71896	0.83651
59	8	17.68549	26.34335	0.97329	0.67036	0.80265	0.97329	0.66988	0.80231	16.13450	22.36278	0.97473	0.72043	0.83750	0.97473	0.72002	0.83722
59	9	17.68549	26.27867	0.97329	0.67195	0.80379	0.97329	0.67144	0.80343	16.13450	22.32575	0.97473	0.72156	0.83826	0.97473	0.72112	0.83797
59	10	17.68549	26.21121	0.97329	0.67361	0.80498	0.97329	0.67306	0.80459	16.13450	22.28674	0.97473	0.72275	0.83906	0.97473	0.72228	0.83875
59	11	17.68549	26.14141	0.97329	0.67533	0.80621	0.97329	0.67476	0.80580	16.13450	22.24611	0.97473	0.72399	0.83990	0.97473	0.72350	0.83957
59	12	17.68549	26.06892	0.97329	0.67713	0.80749	0.97329	0.67652	0.80705	16.13450	22.20360	0.97473	0.72529	0.84077	0.97473	0.72477	0.84042
59	13	17.68549	25.99388	0.97329	0.67900	0.80882	0.97329	0.67836	0.80836	16.13450	22.15929	0.97473	0.72665	0.84169	0.97473	0.72609	0.84132
59	14	17.68549	25.91617	0.97329	0.68095	0.81020	0.97329	0.68027	0.80971	16.13450	22.11310	0.97473	0.72807	0.84264	0.97473	0.72749	0.84225
59	15	17.68549	25.83587	0.97329	0.68298	0.81163	0.97329	0.68226	0.81112	16.13450	22.06509	0.97473	0.72956	0.84364	0.97473	0.72894	0.84322
59	16	17.68549	25.75319	0.97329	0.68508	0.81312	0.97329	0.68433	0.81258	16.13450	22.01544	0.97473	0.73112	0.84468	0.97473	0.73047	0.84424
59	17	17.68549	25.66857	0.97329	0.68727	0.81465	0.97329	0.68649	0.81410	16.13450	21.96453	0.97473	0.73274	0.84576	0.97473	0.73207	0.84531
59	18	17.68549	25.58235	0.97329	0.68954	0.81624	0.97329	0.68873	0.81568	16.13450	21.91267	0.97473	0.73442	0.84688	0.97473	0.73374	0.84643
59	19	17.68549	25.49361	0.97329	0.69189	0.81789	0.97329	0.69108	0.81732	16.13450	21.85907	0.97473	0.73619	0.84805	0.97473	0.73550	0.84759
59	20	17.68549	25.40164	0.97329	0.69435	0.81961	0.97329	0.69352	0.81903	16.13450	21.80312	0.97473	0.73803	0.84927	0.97473	0.73733	0.84881
59	21	17.68549	25.30562	0.97329	0.69692	0.82139	0.97329	0.69606	0.82080	16.13450	21.74411	0.97473	0.73998	0.85056	0.97473	0.73926	0.85008
59	22	17.68549	25.20517	0.97329	0.69960	0.82325	0.97329	0.69871	0.82264	16.13450	21.68171	0.97473	0.74202	0.85190	0.97473	0.74127	0.85141
59	23	17.68549	25.09967	0.97329	0.70241	0.82519	0.97329	0.70147	0.82455	16.13450	21.61537	0.97473	0.74416	0.85332	0.97473	0.74338	0.85280
59	24	17.68549	24.98936	0.97329	0.70534	0.82721	0.97329	0.70434	0.82653	16.13450	21.54528	0.97473	0.74642	0.85480	0.97473	0.74558	0.85425
59	25	17.68549	24.87419	0.97329	0.70840	0.82931	0.97329	0.70733	0.82858	16.13450	21.47137	0.97473	0.74878	0.85635	0.97473	0.74789	0.85576
59	26	17.68549	24.75420	0.97329	0.71160	0.83150	0.97329	0.71044	0.83071	16.13450	21.39367	0.97473	0.75126	0.85797	0.97473	0.75030	0.85734
59	27	17.68549	24.62994	0.97329	0.71492	0.83377	0.97329	0.71367	0.83292	16.13450	21.31262	0.97473	0.75386	0.85965	0.97473	0.75282	0.85898
59	28	17.68549	24.50119	0.97329	0.71838	0.83612	0.97329	0.71704	0.83520	16.13450	21.22804	0.97473	0.75657	0.86141	0.97473	0.75544	0.86069
59	29	17.68549	24.36788	0.97329	0.72199	0.83855	0.97329	0.72053	0.83757	16.13450	21.13984	0.97473	0.75940	0.86325	0.97473	0.75819	0.86246
59	30	17.68549	24.23009	0.97329	0.72574	0.84107	0.97329	0.72416	0.84002	16.13450	21.04806	0.97473	0.76236	0.86516	0.97473	0.76105	0.86431
59	31	17.68549	24.08752	0.97329	0.72963	0.84369	0.97329	0.72793	0.84255	16.13450	20.95246	0.97473	0.76545	0.86714	0.97473	0.76404	0.86624
59	32	17.68549	23.94006	0.97329	0.73369	0.84639	0.97329	0.73185	0.84517	16.13450	20.85289	0.97473	0.76867	0.86921	0.97473	0.76715	0.86824
59	33	17.68549	23.78740	0.97329	0.73790	0.84919	0.97329	0.73592	0.84787	16.13450	20.74907	0.97473	0.77204	0.87136	0.97473	0.77040	0.87031
59	34	17.68549	23.62942	0.97329	0.74228	0.85208	0.97329	0.74014	0.85067	16.13450	20.64088	0.97473	0.77555	0.87359	0.97473	0.77378	0.87246
59	35	17.68549	23.46579	0.97329	0.74683	0.85507	0.97329	0.74452	0.85355	16.13450	20.52800	0.97473	0.77922	0.87591	0.97473	0.77730	0.87470
59	36	17.68549	23.29632	0.97329	0.75156	0.85816	0.97329	0.74905	0.85652	16.13450	20.41023	0.97473	0.78303	0.87832	0.97473	0.78096	0.87701
59	37	17.68549	23.12089	0.97329	0.75647	0.86135	0.97329	0.75375	0.85959	16.13450	20.28745	0.97473	0.78701	0.88081	0.97473	0.78476	0.87940
59	38	17.68549	22.93911	0.97329	0.76156	0.86464	0.97329	0.75861	0.86274	16.13450	20.15926	0.97473	0.79114	0.88340	0.97473	0.78871	0.88188
59	39	17.68549	22.75087	0.97329	0.76683	0.86803	0.97329	0.76363	0.86597	16.13450	20.02555	0.97473	0.79545	0.88607	0.97473	0.79281	0.88443
59	40	17.68549	22.55572	0.97329	0.77229	0.87152	0.97329	0.76881	0.86930	16.13450	19.88587	0.97473	0.79992	0.88884	0.97473	0.79705	0.88707
59	41	17.68549	22.35340	0.97329	0.77793	0.87510	0.97329	0.77415	0.87270	16.13450	19.73995	0.97473	0.80455	0.89169	0.97473	0.80144	0.88978

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
59	42	17.68549	22.14385	0.97329	0.78377	0.87878	0.97329	0.77966	0.87619		16.13450	19.58769	0.97473	0.80936	0.89463	0.97473	0.80598	0.89257		
59	43	17.68549	21.92669	0.97329	0.78978	0.88255	0.97329	0.78531	0.87975		16.13450	19.42870	0.97473	0.81433	0.89766	0.97473	0.81065	0.89543		
59	44	17.68549	21.70178	0.97329	0.79598	0.88640	0.97329	0.79112	0.88338		16.13450	19.26280	0.97473	0.81946	0.90077	0.97473	0.81546	0.89835		
59	45	17.68549	21.46876	0.97329	0.80234	0.89033	0.97329	0.79706	0.88707		16.13450	19.08963	0.97473	0.82475	0.90396	0.97473	0.82041	0.90135		
59	46	17.68549	21.22763	0.97329	0.80887	0.89434	0.97329	0.80314	0.89082		16.13450	18.90911	0.97473	0.83020	0.90722	0.97473	0.82548	0.90440		
59	47	17.68549	20.97813	0.97329	0.81555	0.89841	0.97329	0.80933	0.89462		16.13450	18.72094	0.97473	0.83578	0.91055	0.97473	0.83066	0.90750		
59	48	17.68549	20.72003	0.97329	0.82237	0.90253	0.97329	0.81564	0.89846		16.13450	18.52488	0.97473	0.84150	0.91393	0.97473	0.83595	0.91064		
59	49	17.68549	20.45326	0.97329	0.82931	0.90669	0.97329	0.82203	0.90232		16.13450	18.32076	0.97473	0.84733	0.91736	0.97473	0.84133	0.91383		
59	50	17.68549	20.17742	0.97329	0.83636	0.91089	0.97329	0.82850	0.90621		16.13450	18.10816	0.97473	0.85328	0.92083	0.97473	0.84679	0.91704		
59	51	17.68549	19.89339	0.97329	0.84348	0.91509	0.97329	0.83503	0.91010		16.13450	17.88781	0.97473	0.85930	0.92433	0.97473	0.85231	0.92027		
59	52	17.68549	19.60122	0.97329	0.85065	0.91930	0.97329	0.84159	0.91398		16.13450	17.65967	0.97473	0.86538	0.92783	0.97473	0.85788	0.92350		
59	53	17.68549	19.30125	0.97329	0.85785	0.92349	0.97329	0.84816	0.91784		16.13450	17.42398	0.97473	0.87151	0.93134	0.97473	0.86347	0.92673		
59	54	17.68549	18.99375	0.97329	0.86504	0.92764	0.97329	0.85473	0.92168		16.13450	17.18091	0.97473	0.87764	0.93484	0.97473	0.86908	0.92995		
59	55	17.68549	18.67912	0.97329	0.87220	0.93174	0.97329	0.86127	0.92546		16.13450	16.93076	0.97473	0.88377	0.93830	0.97473	0.87467	0.93315		
59	56	17.68549	18.35803	0.97329	0.87929	0.93577	0.97329	0.86775	0.92919		16.13450	16.67407	0.97473	0.88987	0.94172	0.97473	0.88024	0.93631		
59	57	17.68549	18.02853	0.97329	0.88630	0.93972	0.97329	0.87416	0.93285		16.13450	16.40902	0.97473	0.89591	0.94510	0.97473	0.88576	0.93942		
59	58	17.68549	17.69065	0.97329	0.89320	0.94359	0.97329	0.88046	0.93643		16.13450	16.13552	0.97473	0.90187	0.94841	0.97473	0.89120	0.94247		
59	59	17.68549	17.34441	0.97329	0.89995	0.94734	0.97329	0.88664	0.93992		16.13450	15.85354	0.97473	0.90774	0.95164	0.97473	0.89656	0.94546		
59	60	17.68549	16.98967	0.97329	0.90654	0.95098	0.97329	0.89269	0.94330		16.13450	15.56284	0.97473	0.91349	0.95479	0.97473	0.90182	0.94837		
59	61	17.68549	16.62627	0.97329	0.91294	0.95449	0.97329	0.89856	0.94657		16.13450	15.26320	0.97473	0.91909	0.95784	0.97473	0.90695	0.95120		
59	62	17.68549	16.25423	0.97329	0.91913	0.95786	0.97329	0.90427	0.94973		16.13450	14.95454	0.97473	0.92454	0.96079	0.97473	0.91194	0.95394		
59	63	17.68549	15.87341	0.97329	0.92509	0.96109	0.97329	0.90977	0.95276		16.13450	14.63664	0.97473	0.92980	0.96362	0.97473	0.91678	0.95658		
59	64	17.68549	15.48353	0.97329	0.93080	0.96416	0.97329	0.91508	0.95566		16.13450	14.30913	0.97473	0.93488	0.96634	0.97473	0.92145	0.95912		
59	65	17.68549	15.08480	0.97329	0.93625	0.96708	0.97329	0.92017	0.95843		16.13450	13.97213	0.97473	0.93974	0.96894	0.97473	0.92596	0.96156		
59	66	17.68549	14.67724	0.97329	0.94144	0.96984	0.97329	0.92504	0.96106		16.13450	13.62552	0.97473	0.94440	0.97140	0.97473	0.93028	0.96388		
59	67	17.68549	14.26104	0.97329	0.94635	0.97243	0.97329	0.92969	0.96357		16.13450	13.26940	0.97473	0.94883	0.97374	0.97473	0.93443	0.96610		
59	68	17.68549	13.83657	0.97329	0.95098	0.97487	0.97329	0.93411	0.96594		16.13450	12.90401	0.97473	0.95303	0.97595	0.97473	0.93838	0.96821		
59	69	17.68549	13.40435	0.97329	0.95533	0.97716	0.97329	0.93831	0.96817		16.13450	12.52973	0.97473	0.95701	0.97803	0.97473	0.94215	0.97021		
59	70	17.68549	12.96501	0.97329	0.95941	0.97928	0.97329	0.94229	0.97029		16.13450	12.14706	0.97473	0.96075	0.97998	0.97473	0.94573	0.97211		
59	71	17.68549	12.51927	0.97329	0.96321	0.98126	0.97329	0.94604	0.97227		16.13450	11.75658	0.97473	0.96426	0.98180	0.97473	0.94913	0.97390		
59	72	17.68549	12.06792	0.97329	0.96674	0.98309	0.97329	0.94959	0.97414		16.13450	11.35893	0.97473	0.96754	0.98350	0.97473	0.95235	0.97559		
59	73	17.68549	11.61185	0.97329	0.97002	0.98478	0.97329	0.95293	0.97590		16.13450	10.95491	0.97473	0.97060	0.98508	0.97473	0.95539	0.97719		
59	74	17.68549	11.15217	0.97329	0.97304	0.98634	0.97329	0.95607	0.97754		16.13450	10.54549	0.97473	0.97345	0.98655	0.97473	0.95827	0.97869		
59	75	17.68549	10.68986	0.97329	0.97583	0.98777	0.97329	0.95902	0.97908		16.13450	10.13154	0.97473	0.97608	0.98790	0.97473	0.96098	0.98010		
59	76	17.68549	10.22626	0.97329	0.97839	0.98907	0.97329	0.96179	0.98053		16.13450	9.71428	0.97473	0.97852	0.98914	0.97473	0.96353	0.98143		
59	77	17.68549	9.76277	0.97329	0.98072	0.99027	0.97329	0.96440	0.98188		16.13450	9.29502	0.97473	0.98076	0.99028	0.97473	0.96594	0.98268		
59	78	17.68549	9.30064	0.97329	0.98286	0.99135	0.97329	0.96683	0.98314		16.13450	8.87492	0.97473	0.98281	0.99133	0.97473	0.96821	0.98385		
59	79	17.68549	8.84103	0.97329	0.98480	0.99234	0.97329	0.96912	0.98432		16.13450	8.45509	0.97473	0.98469	0.99229	0.97473	0.97033	0.98494		
59	80	17.68549	8.38551	0.97329	0.98656	0.99323	0.97329	0.97126	0.98542		16.13450	8.03703	0.97473	0.98641	0.99316	0.97473	0.97234	0.98597		
59	81	17.68549	7.93532	0.97329	0.98815	0.99404	0.97329	0.97326	0.98645		16.13450	7.62196	0.97473	0.98797	0.99395	0.97473	0.97421	0.98694		
59	82	17.68549	7.49211	0.97329	0.98958	0.99476	0.97329	0.97514	0.98741		16.13450	7.21152	0.97473	0.98938	0.99466	0.97473	0.97598	0.98784		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
59	83	17.68549	7.05756	0.97329	0.99086	0.99541	0.97329	0.97689	0.98831	16.13450	6.80735	0.97473	0.99065	0.99530	0.97473	0.97763	0.98869
59	84	17.68549	6.63342	0.97329	0.99201	0.99599	0.97329	0.97853	0.98915	16.13450	6.41122	0.97473	0.99180	0.99588	0.97473	0.97918	0.98948
59	85	17.68549	6.22156	0.97329	0.99303	0.99650	0.97329	0.98006	0.98993	16.13450	6.02503	0.97473	0.99282	0.99640	0.97473	0.98063	0.99022
59	86	17.68549	5.82374	0.97329	0.99394	0.99696	0.97329	0.98148	0.99065	16.13450	5.65055	0.97473	0.99373	0.99686	0.97473	0.98199	0.99091
59	87	17.68549	5.44155	0.97329	0.99474	0.99736	0.97329	0.98281	0.99133	16.13450	5.28949	0.97473	0.99454	0.99726	0.97473	0.98326	0.99156
59	88	17.68549	5.07613	0.97329	0.99544	0.99772	0.97329	0.98404	0.99196	16.13450	4.94306	0.97473	0.99526	0.99762	0.97473	0.98444	0.99216
59	89	17.68549	4.72862	0.97329	0.99606	0.99802	0.97329	0.98519	0.99254	16.13450	4.61250	0.97473	0.99588	0.99794	0.97473	0.98554	0.99272
59	90	17.68549	4.40007	0.97329	0.99659	0.99829	0.97329	0.98625	0.99308	16.13450	4.29901	0.97473	0.99643	0.99821	0.97473	0.98656	0.99323
59	91	17.68549	4.09149	0.97329	0.99706	0.99853	0.97329	0.98724	0.99358	16.13450	4.00370	0.97473	0.99691	0.99845	0.97473	0.98751	0.99372
59	92	17.68549	3.80354	0.97329	0.99746	0.99873	0.97329	0.98815	0.99404	16.13450	3.72738	0.97473	0.99732	0.99866	0.97473	0.98839	0.99416
59	93	17.68549	3.53621	0.97329	0.99780	0.99890	0.97329	0.98899	0.99446	16.13450	3.47020	0.97473	0.99768	0.99884	0.97473	0.98920	0.99457
59	94	17.68549	3.28870	0.97329	0.99810	0.99905	0.97329	0.98977	0.99486	16.13450	3.23152	0.97473	0.99799	0.99899	0.97473	0.98995	0.99495
59	95	17.68549	3.05955	0.97329	0.99836	0.99918	0.97329	0.99048	0.99522	16.13450	3.01004	0.97473	0.99826	0.99913	0.97473	0.99065	0.99530
59	96	17.68549	2.84646	0.97329	0.99858	0.99929	0.97329	0.99114	0.99555	16.13450	2.80360	0.97473	0.99849	0.99924	0.97473	0.99129	0.99563
59	97	17.68549	2.65226	0.97329	0.99876	0.99938	0.97329	0.99175	0.99586	16.13450	2.61510	0.97473	0.99869	0.99934	0.97473	0.99188	0.99592
59	98	17.68549	2.47567	0.97329	0.99892	0.99946	0.97329	0.99230	0.99614	16.13450	2.44340	0.97473	0.99885	0.99943	0.97473	0.99242	0.99619
59	99	17.68549	2.31535	0.97329	0.99906	0.99953	0.97329	0.99281	0.99639	16.13450	2.28724	0.97473	0.99900	0.99950	0.97473	0.99291	0.99644
59	100	17.68549	2.16976	0.97329	0.99918	0.99959	0.97329	0.99327	0.99663	16.13450	2.14523	0.97473	0.99912	0.99956	0.97473	0.99337	0.99667
59	101	17.68549	2.03734	0.97329	0.99927	0.99964	0.97329	0.99370	0.99684	16.13450	2.01587	0.97473	0.99922	0.99961	0.97473	0.99378	0.99688
59	102	17.68549	1.91714	0.97329	0.99936	0.99968	0.97329	0.99409	0.99704	16.13450	1.89830	0.97473	0.99931	0.99966	0.97473	0.99416	0.99707
59	103	17.68549	1.80800	0.97329	0.99943	0.99972	0.97329	0.99444	0.99721	16.13450	1.79140	0.97473	0.99939	0.99970	0.97473	0.99451	0.99725
59	104	17.68549	1.70943	0.97329	0.99949	0.99975	0.97329	0.99477	0.99738	16.13450	1.69474	0.97473	0.99946	0.99973	0.97473	0.99483	0.99741
59	105	17.68549	1.62048	0.97329	0.99955	0.99977	0.97329	0.99506	0.99752	16.13450	1.60741	0.97473	0.99951	0.99976	0.97473	0.99511	0.99755
59	106	17.68549	1.54080	0.97329	0.99959	0.99980	0.97329	0.99532	0.99765	16.13450	1.52911	0.97473	0.99956	0.99978	0.97473	0.99537	0.99768
59	107	17.68549	1.47009	0.97329	0.99963	0.99981	0.97329	0.99554	0.99777	16.13450	1.45954	0.97473	0.99960	0.99980	0.97473	0.99559	0.99779
59	108	17.68549	1.40861	0.97329	0.99966	0.99983	0.97329	0.99573	0.99786	16.13450	1.39898	0.97473	0.99963	0.99982	0.97473	0.99577	0.99788
59	109	17.68549	1.35764	0.97329	0.99968	0.99984	0.97329	0.99587	0.99793	16.13450	1.34871	0.97473	0.99966	0.99983	0.97473	0.99592	0.99795
59	110	17.68549	1.32125	0.97329	0.99970	0.99985	0.97329	0.99597	0.99798	16.13450	1.31279	0.97473	0.99968	0.99984	0.97473	0.99601	0.99800
60	1	17.34230	26.72925	0.97131	0.64813	0.78650	0.97131	0.64775	0.78622	15.85537	22.57586	0.97289	0.70156	0.82461	0.97289	0.70124	0.82438
60	2	17.34230	26.68154	0.97131	0.64928	0.78735	0.97131	0.64891	0.78708	15.85537	22.55058	0.97289	0.70235	0.82515	0.97289	0.70203	0.82493
60	3	17.34230	26.63112	0.97131	0.65050	0.78824	0.97131	0.65012	0.78796	15.85537	22.52338	0.97289	0.70318	0.82572	0.97289	0.70285	0.82550
60	4	17.34230	26.57806	0.97131	0.65177	0.78917	0.97131	0.65137	0.78888	15.85537	22.49433	0.97289	0.70406	0.82633	0.97289	0.70372	0.82610
60	5	17.34230	26.52283	0.97131	0.65309	0.79014	0.97131	0.65268	0.78984	15.85537	22.46379	0.97289	0.70498	0.82696	0.97289	0.70462	0.82672
60	6	17.34230	26.46539	0.97131	0.65447	0.79115	0.97131	0.65404	0.79084	15.85537	22.43176	0.97289	0.70594	0.82763	0.97289	0.70557	0.82737
60	7	17.34230	26.40551	0.97131	0.65591	0.79220	0.97131	0.65545	0.79187	15.85537	22.39806	0.97289	0.70695	0.82832	0.97289	0.70657	0.82806
60	8	17.34230	26.34335	0.97131	0.65740	0.79329	0.97131	0.65693	0.79295	15.85537	22.36278	0.97289	0.70802	0.82905	0.97289	0.70761	0.82877
60	9	17.34230	26.27867	0.97131	0.65896	0.79443	0.97131	0.65846	0.79406	15.85537	22.32575	0.97289	0.70913	0.82981	0.97289	0.70870	0.82952
60	10	17.34230	26.21121	0.97131	0.66059	0.79561	0.97131	0.66006	0.79522	15.85537	22.28674	0.97289	0.71030	0.83061	0.97289	0.70984	0.83030
60	11	17.34230	26.14141	0.97131	0.66229	0.79684	0.97131	0.66172	0.79643	15.85537	22.24611	0.97289	0.71152	0.83145	0.97289	0.71103	0.83112
60	12	17.34230	26.06892	0.97131	0.66406	0.79812	0.97131	0.66345	0.79768	15.85537	22.20360	0.97289	0.71280	0.83232	0.97289	0.71229	0.83197
60	13	17.34230	25.99388	0.97131	0.66590	0.79945	0.97131	0.66526	0.79898	15.85537	22.15929	0.97289	0.71414	0.83324	0.97289	0.71360	0.83286

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
60	55	17.34230	18.67912	0.97131	0.86026	0.92488	0.97131	0.84918	0.91844	15.85537	16.93076	0.97289	0.87284	0.93210	0.97289	0.86357	0.92679
60	56	17.34230	18.35803	0.97131	0.86771	0.92917	0.97131	0.85598	0.92240	15.85537	16.67407	0.97289	0.87926	0.93575	0.97289	0.86942	0.93015
60	57	17.34230	18.02853	0.97131	0.87512	0.93340	0.97131	0.86273	0.92631	15.85537	16.40902	0.97289	0.88566	0.93936	0.97289	0.87525	0.93347
60	58	17.34230	17.69065	0.97131	0.88244	0.93755	0.97131	0.86940	0.93014	15.85537	16.13552	0.97289	0.89200	0.94292	0.97289	0.88103	0.93675
60	59	17.34230	17.34441	0.97131	0.88964	0.94160	0.97131	0.87597	0.93388	15.85537	15.85354	0.97289	0.89827	0.94641	0.97289	0.88673	0.93997
60	60	17.34230	16.98967	0.97131	0.89670	0.94554	0.97131	0.88241	0.93753	15.85537	15.56284	0.97289	0.90443	0.94982	0.97289	0.89235	0.94311
60	61	17.34230	16.62627	0.97131	0.90359	0.94936	0.97131	0.88871	0.94108	15.85537	15.26320	0.97289	0.91047	0.95314	0.97289	0.89785	0.94618
60	62	17.34230	16.25423	0.97131	0.91029	0.95304	0.97131	0.89485	0.94451	15.85537	14.95454	0.97289	0.91637	0.95636	0.97289	0.90323	0.94916
60	63	17.34230	15.87341	0.97131	0.91676	0.95657	0.97131	0.90080	0.94781	15.85537	14.63664	0.97289	0.92209	0.95947	0.97289	0.90847	0.95204
60	64	17.34230	15.48353	0.97131	0.92299	0.95995	0.97131	0.90655	0.95098	15.85537	14.30913	0.97289	0.92763	0.96245	0.97289	0.91355	0.95482
60	65	17.34230	15.08480	0.97131	0.92897	0.96317	0.97131	0.91209	0.95402	15.85537	13.97213	0.97289	0.93296	0.96532	0.97289	0.91846	0.95750
60	66	17.34230	14.67724	0.97131	0.93467	0.96623	0.97131	0.91741	0.95693	15.85537	13.62552	0.97289	0.93808	0.96805	0.97289	0.92319	0.96006
60	67	17.34230	14.26104	0.97131	0.94009	0.96912	0.97131	0.92250	0.95969	15.85537	13.26940	0.97289	0.94296	0.97065	0.97289	0.92773	0.96251
60	68	17.34230	13.83657	0.97131	0.94522	0.97184	0.97131	0.92736	0.96231	15.85537	12.90401	0.97289	0.94762	0.97310	0.97289	0.93208	0.96484
60	69	17.34230	13.40435	0.97131	0.95005	0.97439	0.97131	0.93198	0.96479	15.85537	12.52973	0.97289	0.95202	0.97542	0.97289	0.93623	0.96706
60	70	17.34230	12.96501	0.97131	0.95459	0.97677	0.97131	0.93637	0.96714	15.85537	12.14706	0.97289	0.95618	0.97760	0.97289	0.94019	0.96917
60	71	17.34230	12.51927	0.97131	0.95883	0.97898	0.97131	0.94052	0.96935	15.85537	11.75658	0.97289	0.96009	0.97964	0.97289	0.94395	0.97116
60	72	17.34230	12.06792	0.97131	0.96278	0.98104	0.97131	0.94445	0.97143	15.85537	11.35893	0.97289	0.96376	0.98155	0.97289	0.94751	0.97305
60	73	17.34230	11.61185	0.97131	0.96645	0.98294	0.97131	0.94815	0.97339	15.85537	10.95491	0.97289	0.96718	0.98332	0.97289	0.95089	0.97483
60	74	17.34230	11.15217	0.97131	0.96984	0.98469	0.97131	0.95164	0.97522	15.85537	10.54549	0.97289	0.97036	0.98496	0.97289	0.95408	0.97650
60	75	17.34230	10.68986	0.97131	0.97296	0.98630	0.97131	0.95492	0.97694	15.85537	10.13154	0.97289	0.97331	0.98648	0.97289	0.95709	0.97808
60	76	17.34230	10.22626	0.97131	0.97583	0.98777	0.97131	0.95800	0.97855	15.85537	9.71428	0.97289	0.97604	0.98787	0.97289	0.95993	0.97956
60	77	17.34230	9.76277	0.97131	0.97846	0.98911	0.97131	0.96089	0.98006	15.85537	9.29502	0.97289	0.97855	0.98916	0.97289	0.96261	0.98095
60	78	17.34230	9.30064	0.97131	0.98085	0.99033	0.97131	0.96360	0.98146	15.85537	8.87492	0.97289	0.98085	0.99033	0.97289	0.96512	0.98225
60	79	17.34230	8.84103	0.97131	0.98303	0.99144	0.97131	0.96614	0.98278	15.85537	8.45509	0.97289	0.98296	0.99141	0.97289	0.96749	0.98348
60	80	17.34230	8.38551	0.97131	0.98501	0.99245	0.97131	0.96852	0.98401	15.85537	8.03703	0.97289	0.98488	0.99238	0.97289	0.96971	0.98462
60	81	17.34230	7.93532	0.97131	0.98679	0.99335	0.97131	0.97074	0.98515	15.85537	7.62196	0.97289	0.98662	0.99327	0.97289	0.97179	0.98569
60	82	17.34230	7.49211	0.97131	0.98839	0.99416	0.97131	0.97282	0.98622	15.85537	7.21152	0.97289	0.98820	0.99406	0.97289	0.97375	0.98670
60	83	17.34230	7.05756	0.97131	0.98983	0.99489	0.97131	0.97476	0.98722	15.85537	6.80735	0.97289	0.98962	0.99478	0.97289	0.97558	0.98764
60	84	17.34230	6.63342	0.97131	0.99112	0.99554	0.97131	0.97657	0.98814	15.85537	6.41122	0.97289	0.99090	0.99543	0.97289	0.97729	0.98851
60	85	17.34230	6.22156	0.97131	0.99226	0.99611	0.97131	0.97825	0.98901	15.85537	6.02503	0.97289	0.99204	0.99601	0.97289	0.97889	0.98933
60	86	17.34230	5.82374	0.97131	0.99327	0.99662	0.97131	0.97982	0.98981	15.85537	5.65055	0.97289	0.99306	0.99652	0.97289	0.98038	0.99010
60	87	17.34230	5.44155	0.97131	0.99416	0.99707	0.97131	0.98128	0.99055	15.85537	5.28949	0.97289	0.99396	0.99697	0.97289	0.98178	0.99081
60	88	17.34230	5.07613	0.97131	0.99494	0.99747	0.97131	0.98264	0.99124	15.85537	4.94306	0.97289	0.99475	0.99737	0.97289	0.98307	0.99147
60	89	17.34230	4.72862	0.97131	0.99563	0.99781	0.97131	0.98390	0.99188	15.85537	4.61250	0.97289	0.99545	0.99772	0.97289	0.98428	0.99208
60	90	17.34230	4.40007	0.97131	0.99622	0.99811	0.97131	0.98506	0.99248	15.85537	4.29901	0.97289	0.99606	0.99802	0.97289	0.98540	0.99265
60	91	17.34230	4.09149	0.97131	0.99674	0.99837	0.97131	0.98614	0.99302	15.85537	4.00370	0.97289	0.99659	0.99829	0.97289	0.98644	0.99317
60	92	17.34230	3.80354	0.97131	0.99719	0.99859	0.97131	0.98713	0.99353	15.85537	3.72738	0.97289	0.99705	0.99852	0.97289	0.98740	0.99366
60	93	17.34230	3.53621	0.97131	0.99757	0.99878	0.97131	0.98805	0.99399	15.85537	3.47020	0.97289	0.99744	0.99872	0.97289	0.98828	0.99411
60	94	17.34230	3.28870	0.97131	0.99790	0.99895	0.97131	0.98890	0.99442	15.85537	3.23152	0.97289	0.99778	0.99889	0.97289	0.98910	0.99452
60	95	17.34230	3.05955	0.97131	0.99818	0.99909	0.97131	0.98968	0.99481	15.85537	3.01004	0.97289	0.99808	0.99904	0.97289	0.98986	0.99490

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
60	96	17.34230	2.84646	0.97131	0.99843	0.99921	0.97131	0.99040	0.99518	15.85537	2.80360	0.97289	0.99833	0.99917	0.97289	0.99056	0.99526
60	97	17.34230	2.65226	0.97131	0.99863	0.99932	0.97131	0.99105	0.99551	15.85537	2.61510	0.97289	0.99855	0.99927	0.97289	0.99120	0.99558
60	98	17.34230	2.47567	0.97131	0.99881	0.99940	0.97131	0.99166	0.99581	15.85537	2.44340	0.97289	0.99874	0.99937	0.97289	0.99178	0.99587
60	99	17.34230	2.31535	0.97131	0.99896	0.99948	0.97131	0.99221	0.99609	15.85537	2.28724	0.97289	0.99889	0.99945	0.97289	0.99232	0.99614
60	100	17.34230	2.16976	0.97131	0.99909	0.99954	0.97131	0.99271	0.99634	15.85537	2.14523	0.97289	0.99903	0.99951	0.97289	0.99281	0.99639
60	101	17.34230	2.03734	0.97131	0.99920	0.99960	0.97131	0.99317	0.99658	15.85537	2.01587	0.97289	0.99914	0.99957	0.97289	0.99326	0.99662
60	102	17.34230	1.91714	0.97131	0.99929	0.99965	0.97131	0.99360	0.99679	15.85537	1.89830	0.97289	0.99924	0.99962	0.97289	0.99368	0.99683
60	103	17.34230	1.80800	0.97131	0.99937	0.99969	0.97131	0.99398	0.99698	15.85537	1.79140	0.97289	0.99933	0.99966	0.97289	0.99405	0.99702
60	104	17.34230	1.70943	0.97131	0.99944	0.99972	0.97131	0.99433	0.99716	15.85537	1.69474	0.97289	0.99940	0.99970	0.97289	0.99440	0.99719
60	105	17.34230	1.62048	0.97131	0.99950	0.99975	0.97131	0.99464	0.99732	15.85537	1.60741	0.97289	0.99946	0.99973	0.97289	0.99470	0.99735
60	106	17.34230	1.54080	0.97131	0.99955	0.99977	0.97131	0.99492	0.99746	15.85537	1.52911	0.97289	0.99952	0.99976	0.97289	0.99498	0.99748
60	107	17.34230	1.47009	0.97131	0.99959	0.99980	0.97131	0.99517	0.99758	15.85537	1.45954	0.97289	0.99956	0.99978	0.97289	0.99522	0.99760
60	108	17.34230	1.40861	0.97131	0.99962	0.99981	0.97131	0.99537	0.99768	15.85537	1.39898	0.97289	0.99960	0.99980	0.97289	0.99542	0.99770
60	109	17.34230	1.35764	0.97131	0.99965	0.99982	0.97131	0.99553	0.99776	15.85537	1.34871	0.97289	0.99962	0.99981	0.97289	0.99557	0.99778
60	110	17.34230	1.32125	0.97131	0.99967	0.99983	0.97131	0.99563	0.99781	15.85537	1.31279	0.97289	0.99964	0.99982	0.97289	0.99568	0.99784
61	1	16.98990	26.72925	0.96918	0.63499	0.77675	0.96918	0.63462	0.77648	15.56690	22.57586	0.97089	0.68883	0.81575	0.97089	0.68851	0.81552
61	2	16.98990	26.68154	0.96918	0.63613	0.77760	0.96918	0.63576	0.77733	15.56690	22.55058	0.97089	0.68960	0.81629	0.97089	0.68929	0.81607
61	3	16.98990	26.63112	0.96918	0.63732	0.77849	0.96918	0.63694	0.77821	15.56690	22.52338	0.97089	0.69042	0.81686	0.97089	0.69010	0.81664
61	4	16.98990	26.57806	0.96918	0.63856	0.77942	0.96918	0.63817	0.77913	15.56690	22.49433	0.97089	0.69129	0.81747	0.97089	0.69095	0.81723
61	5	16.98990	26.52283	0.96918	0.63986	0.78038	0.96918	0.63946	0.78008	15.56690	22.46379	0.97089	0.69219	0.81810	0.97089	0.69184	0.81786
61	6	16.98990	26.46539	0.96918	0.64121	0.78139	0.96918	0.64079	0.78107	15.56690	22.43176	0.97089	0.69314	0.81876	0.97089	0.69278	0.81851
61	7	16.98990	26.40551	0.96918	0.64262	0.78244	0.96918	0.64218	0.78211	15.56690	22.39806	0.97089	0.69414	0.81946	0.97089	0.69376	0.81919
61	8	16.98990	26.34335	0.96918	0.64409	0.78352	0.96918	0.64362	0.78318	15.56690	22.36278	0.97089	0.69518	0.82019	0.97089	0.69478	0.81990
61	9	16.98990	26.27867	0.96918	0.64563	0.78466	0.96918	0.64513	0.78429	15.56690	22.32575	0.97089	0.69628	0.82095	0.97089	0.69585	0.82065
61	10	16.98990	26.21121	0.96918	0.64723	0.78584	0.96918	0.64670	0.78545	15.56690	22.28674	0.97089	0.69743	0.82175	0.97089	0.69697	0.82143
61	11	16.98990	26.14141	0.96918	0.64889	0.78706	0.96918	0.64833	0.78665	15.56690	22.24611	0.97089	0.69863	0.82258	0.97089	0.69815	0.82225
61	12	16.98990	26.06892	0.96918	0.65063	0.78834	0.96918	0.65003	0.78790	15.56690	22.20360	0.97089	0.69990	0.82346	0.97089	0.69938	0.82310
61	13	16.98990	25.99388	0.96918	0.65243	0.78966	0.96918	0.65180	0.78920	15.56690	22.15929	0.97089	0.70122	0.82437	0.97089	0.70067	0.82399
61	14	16.98990	25.91617	0.96918	0.65431	0.79104	0.96918	0.65365	0.79055	15.56690	22.11310	0.97089	0.70260	0.82533	0.97089	0.70202	0.82493
61	15	16.98990	25.83587	0.96918	0.65627	0.79247	0.96918	0.65557	0.79196	15.56690	22.06509	0.97089	0.70405	0.82632	0.97089	0.70344	0.82590
61	16	16.98990	25.75319	0.96918	0.65830	0.79395	0.96918	0.65757	0.79341	15.56690	22.01544	0.97089	0.70556	0.82736	0.97089	0.70492	0.82692
61	17	16.98990	25.66857	0.96918	0.66042	0.79548	0.96918	0.65966	0.79493	15.56690	21.96453	0.97089	0.70713	0.82844	0.97089	0.70647	0.82799
61	18	16.98990	25.58235	0.96918	0.66260	0.79707	0.96918	0.66183	0.79651	15.56690	21.91267	0.97089	0.70877	0.82957	0.97089	0.70810	0.82911
61	19	16.98990	25.49361	0.96918	0.66488	0.79871	0.96918	0.66410	0.79815	15.56690	21.85907	0.97089	0.71048	0.83074	0.97089	0.70981	0.83028
61	20	16.98990	25.40164	0.96918	0.66726	0.80042	0.96918	0.66646	0.79985	15.56690	21.80312	0.97089	0.71228	0.83197	0.97089	0.71160	0.83150
61	21	16.98990	25.30562	0.96918	0.66974	0.80221	0.96918	0.66893	0.80162	15.56690	21.74411	0.97089	0.71417	0.83325	0.97089	0.71347	0.83278
61	22	16.98990	25.20517	0.96918	0.67234	0.80407	0.96918	0.67149	0.80347	15.56690	21.68171	0.97089	0.71616	0.83460	0.97089	0.71544	0.83412
61	23	16.98990	25.09967	0.96918	0.67506	0.80601	0.96918	0.67417	0.80538	15.56690	21.61537	0.97089	0.71825	0.83602	0.97089	0.71749	0.83551
61	24	16.98990	24.98936	0.96918	0.67790	0.80804	0.96918	0.67696	0.80737	15.56690	21.54528	0.97089	0.72045	0.83751	0.97089	0.71965	0.83697
61	25	16.98990	24.87419	0.96918	0.68088	0.81014	0.96918	0.67987	0.80943	15.56690	21.47137	0.97089	0.72276	0.83907	0.97089	0.72190	0.83849
61	26	16.98990	24.75420	0.96918	0.68398	0.81234	0.96918	0.68289	0.81157	15.56690	21.39367	0.97089	0.72519	0.84071	0.97089	0.72426	0.84008

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
61	27	16.98990	24.62994	0.96918	0.68722	0.81462	0.96918	0.68604	0.81379	15.56690	21.31262	0.97089	0.72773	0.84241	0.97089	0.72673	0.84174
61	28	16.98990	24.50119	0.96918	0.69059	0.81698	0.96918	0.68931	0.81609	15.56690	21.22804	0.97089	0.73039	0.84419	0.97089	0.72930	0.84346
61	29	16.98990	24.36788	0.96918	0.69410	0.81943	0.96918	0.69272	0.81847	15.56690	21.13984	0.97089	0.73317	0.84604	0.97089	0.73200	0.84526
61	30	16.98990	24.23009	0.96918	0.69776	0.82198	0.96918	0.69627	0.82094	15.56690	21.04806	0.97089	0.73607	0.84797	0.97089	0.73481	0.84714
61	31	16.98990	24.08752	0.96918	0.70157	0.82461	0.96918	0.69996	0.82350	15.56690	20.95246	0.97089	0.73911	0.84999	0.97089	0.73775	0.84909
61	32	16.98990	23.94006	0.96918	0.70553	0.82735	0.96918	0.70380	0.82615	15.56690	20.85289	0.97089	0.74229	0.85209	0.97089	0.74082	0.85112
61	33	16.98990	23.78740	0.96918	0.70966	0.83018	0.96918	0.70779	0.82890	15.56690	20.74907	0.97089	0.74561	0.85427	0.97089	0.74403	0.85323
61	34	16.98990	23.62942	0.96918	0.71396	0.83311	0.96918	0.71194	0.83173	15.56690	20.64088	0.97089	0.74908	0.85654	0.97089	0.74738	0.85543
61	35	16.98990	23.46579	0.96918	0.71844	0.83615	0.96918	0.71625	0.83467	15.56690	20.52800	0.97089	0.75271	0.85891	0.97089	0.75086	0.85771
61	36	16.98990	23.29632	0.96918	0.72309	0.83930	0.96918	0.72072	0.83770	15.56690	20.41023	0.97089	0.75650	0.86137	0.97089	0.75450	0.86007
61	37	16.98990	23.12089	0.96918	0.72794	0.84255	0.96918	0.72536	0.84082	15.56690	20.28745	0.97089	0.76045	0.86393	0.97089	0.75829	0.86253
61	38	16.98990	22.93911	0.96918	0.73297	0.84592	0.96918	0.73018	0.84405	15.56690	20.15926	0.97089	0.76457	0.86658	0.97089	0.76223	0.86507
61	39	16.98990	22.75087	0.96918	0.73821	0.84939	0.96918	0.73517	0.84737	15.56690	20.02555	0.97089	0.76887	0.86934	0.97089	0.76633	0.86771
61	40	16.98990	22.55572	0.96918	0.74364	0.85298	0.96918	0.74033	0.85080	15.56690	19.88587	0.97089	0.77336	0.87219	0.97089	0.77058	0.87043
61	41	16.98990	22.35340	0.96918	0.74928	0.85667	0.96918	0.74568	0.85431	15.56690	19.73995	0.97089	0.77802	0.87515	0.97089	0.77500	0.87324
61	42	16.98990	22.14385	0.96918	0.75513	0.86048	0.96918	0.75120	0.85793	15.56690	19.58769	0.97089	0.78287	0.87821	0.97089	0.77958	0.87614
61	43	16.98990	21.92669	0.96918	0.76118	0.86440	0.96918	0.75690	0.86163	15.56690	19.42870	0.97089	0.78791	0.88138	0.97089	0.78432	0.87913
61	44	16.98990	21.70178	0.96918	0.76745	0.86842	0.96918	0.76277	0.86542	15.56690	19.26280	0.97089	0.79314	0.88464	0.97089	0.78923	0.88220
61	45	16.98990	21.46876	0.96918	0.77391	0.87255	0.96918	0.76881	0.86930	15.56690	19.08963	0.97089	0.79855	0.88799	0.97089	0.79428	0.88535
61	46	16.98990	21.22763	0.96918	0.78058	0.87677	0.96918	0.77501	0.87325	15.56690	18.90911	0.97089	0.80415	0.89144	0.97089	0.79949	0.88858
61	47	16.98990	20.97813	0.96918	0.78743	0.88108	0.96918	0.78137	0.87727	15.56690	18.72094	0.97089	0.80992	0.89498	0.97089	0.80485	0.89187
61	48	16.98990	20.72003	0.96918	0.79448	0.88547	0.96918	0.78788	0.88136	15.56690	18.52488	0.97089	0.81586	0.89860	0.97089	0.81034	0.89524
61	49	16.98990	20.45326	0.96918	0.80169	0.88993	0.96918	0.79452	0.88550	15.56690	18.32076	0.97089	0.82197	0.90229	0.97089	0.81597	0.89866
61	50	16.98990	20.17742	0.96918	0.80906	0.89446	0.96918	0.80129	0.88968	15.56690	18.10816	0.97089	0.82823	0.90605	0.97089	0.82171	0.90213
61	51	16.98990	19.89339	0.96918	0.81657	0.89903	0.96918	0.80815	0.89390	15.56690	17.88781	0.97089	0.83462	0.90986	0.97089	0.82756	0.90565
61	52	16.98990	19.60122	0.96918	0.82419	0.90363	0.96918	0.81511	0.89814	15.56690	17.65967	0.97089	0.84113	0.91371	0.97089	0.83350	0.90919
61	53	16.98990	19.30125	0.96918	0.83190	0.90824	0.96918	0.82214	0.90239	15.56690	17.42398	0.97089	0.84772	0.91759	0.97089	0.83951	0.91276
61	54	16.98990	18.99375	0.96918	0.83968	0.91285	0.96918	0.82921	0.90663	15.56690	17.18091	0.97089	0.85439	0.92148	0.97089	0.84558	0.91633
61	55	16.98990	18.67912	0.96918	0.84748	0.91744	0.96918	0.83630	0.91085	15.56690	16.93076	0.97089	0.86110	0.92537	0.97089	0.85169	0.91991
61	56	16.98990	18.35803	0.96918	0.85528	0.92199	0.96918	0.84340	0.91505	15.56690	16.67407	0.97089	0.86783	0.92924	0.97089	0.85782	0.92347
61	57	16.98990	18.02853	0.96918	0.86306	0.92650	0.96918	0.85047	0.91919	15.56690	16.40902	0.97089	0.87457	0.93309	0.97089	0.86394	0.92700
61	58	16.98990	17.69065	0.96918	0.87079	0.93093	0.96918	0.85749	0.92328	15.56690	16.13552	0.97089	0.88128	0.93690	0.97089	0.87004	0.93050
61	59	16.98990	17.34441	0.96918	0.87843	0.93528	0.96918	0.86444	0.92729	15.56690	15.85354	0.97089	0.88794	0.94065	0.97089	0.87609	0.93395
61	60	16.98990	16.98967	0.96918	0.88596	0.93953	0.96918	0.87128	0.93122	15.56690	15.56284	0.97089	0.89453	0.94433	0.97089	0.88206	0.93734
61	61	16.98990	16.62627	0.96918	0.89335	0.94367	0.96918	0.87800	0.93504	15.56690	15.26320	0.97089	0.90101	0.94793	0.97089	0.88795	0.94065
61	62	16.98990	16.25423	0.96918	0.90055	0.94767	0.96918	0.88457	0.93875	15.56690	14.95454	0.97089	0.90736	0.95143	0.97089	0.89372	0.94388
61	63	16.98990	15.87341	0.96918	0.90756	0.95154	0.96918	0.89097	0.94234	15.56690	14.63664	0.97089	0.91356	0.95483	0.97089	0.89936	0.94702
61	64	16.98990	15.48353	0.96918	0.91433	0.95525	0.96918	0.89719	0.94581	15.56690	14.30913	0.97089	0.91958	0.95810	0.97089	0.90486	0.95005
61	65	16.98990	15.08480	0.96918	0.92085	0.95879	0.96918	0.90319	0.94913	15.56690	13.97213	0.97089	0.92540	0.96126	0.97089	0.91019	0.95298
61	66	16.98990	14.67724	0.96918	0.92710	0.96217	0.96918	0.90898	0.95232	15.56690	13.62552	0.97089	0.93101	0.96427	0.97089	0.91534	0.95580
61	67	16.98990	14.26104	0.96918	0.93307	0.96537	0.96918	0.91454	0.95536	15.56690	13.26940	0.97089	0.93639	0.96715	0.97089	0.92030	0.95850

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
61	68	16.98990	13.83657	0.96918	0.93873	0.96840	0.96918	0.91986	0.95826	15.56690	12.90401	0.97089	0.94152	0.96988	0.97089	0.92507	0.96108
61	69	16.98990	13.40435	0.96918	0.94409	0.97124	0.96918	0.92494	0.96101	15.56690	12.52973	0.97089	0.94640	0.97246	0.97089	0.92964	0.96354
61	70	16.98990	12.96501	0.96918	0.94913	0.97390	0.96918	0.92977	0.96361	15.56690	12.14706	0.97089	0.95102	0.97490	0.97089	0.93400	0.96587
61	71	16.98990	12.51927	0.96918	0.95386	0.97639	0.96918	0.93436	0.96606	15.56690	11.75658	0.97089	0.95537	0.97718	0.97089	0.93815	0.96809
61	72	16.98990	12.06792	0.96918	0.95827	0.97869	0.96918	0.93870	0.96838	15.56690	11.35893	0.97089	0.95946	0.97931	0.97089	0.94210	0.97019
61	73	16.98990	11.61185	0.96918	0.96238	0.98083	0.96918	0.94280	0.97056	15.56690	10.95491	0.97089	0.96329	0.98130	0.97089	0.94584	0.97217
61	74	16.98990	11.15217	0.96918	0.96618	0.98280	0.96918	0.94667	0.97261	15.56690	10.54549	0.97089	0.96685	0.98314	0.97089	0.94938	0.97403
61	75	16.98990	10.68986	0.96918	0.96969	0.98461	0.96918	0.95032	0.97453	15.56690	10.13154	0.97089	0.97015	0.98485	0.97089	0.95273	0.97579
61	76	16.98990	10.22626	0.96918	0.97291	0.98627	0.96918	0.95374	0.97632	15.56690	9.71428	0.97089	0.97321	0.98642	0.97089	0.95589	0.97745
61	77	16.98990	9.76277	0.96918	0.97586	0.98778	0.96918	0.95696	0.97801	15.56690	9.29502	0.97089	0.97603	0.98787	0.97089	0.95886	0.97900
61	78	16.98990	9.30064	0.96918	0.97856	0.98916	0.96918	0.95997	0.97958	15.56690	8.87492	0.97089	0.97861	0.98919	0.97089	0.96166	0.98046
61	79	16.98990	8.84103	0.96918	0.98101	0.99041	0.96918	0.96280	0.98105	15.56690	8.45509	0.97089	0.98097	0.99040	0.97089	0.96429	0.98182
61	80	16.98990	8.38551	0.96918	0.98323	0.99154	0.96918	0.96544	0.98242	15.56690	8.03703	0.97089	0.98313	0.99149	0.97089	0.96676	0.98310
61	81	16.98990	7.93532	0.96918	0.98523	0.99256	0.96918	0.96791	0.98369	15.56690	7.62196	0.97089	0.98508	0.99249	0.97089	0.96908	0.98430
61	82	16.98990	7.49211	0.96918	0.98704	0.99348	0.96918	0.97022	0.98488	15.56690	7.21152	0.97089	0.98685	0.99338	0.97089	0.97125	0.98541
61	83	16.98990	7.05756	0.96918	0.98865	0.99429	0.96918	0.97237	0.98599	15.56690	6.80735	0.97089	0.98845	0.99419	0.97089	0.97328	0.98646
61	84	16.98990	6.63342	0.96918	0.99009	0.99502	0.96918	0.97438	0.98702	15.56690	6.41122	0.97089	0.98988	0.99491	0.97089	0.97517	0.98743
61	85	16.98990	6.22156	0.96918	0.99138	0.99567	0.96918	0.97624	0.98798	15.56690	6.02503	0.97089	0.99116	0.99556	0.97089	0.97695	0.98834
61	86	16.98990	5.82374	0.96918	0.99251	0.99624	0.96918	0.97798	0.98887	15.56690	5.65055	0.97089	0.99229	0.99613	0.97089	0.97860	0.98918
61	87	16.98990	5.44155	0.96918	0.99351	0.99674	0.96918	0.97959	0.98969	15.56690	5.28949	0.97089	0.99330	0.99664	0.97089	0.98014	0.98997
61	88	16.98990	5.07613	0.96918	0.99438	0.99718	0.96918	0.98109	0.99045	15.56690	4.94306	0.97089	0.99418	0.99708	0.97089	0.98156	0.99070
61	89	16.98990	4.72862	0.96918	0.99515	0.99757	0.96918	0.98247	0.99116	15.56690	4.61250	0.97089	0.99496	0.99747	0.97089	0.98289	0.99137
61	90	16.98990	4.40007	0.96918	0.99581	0.99790	0.96918	0.98375	0.99181	15.56690	4.29901	0.97089	0.99563	0.99781	0.97089	0.98412	0.99200
61	91	16.98990	4.09149	0.96918	0.99638	0.99819	0.96918	0.98493	0.99241	15.56690	4.00370	0.97089	0.99622	0.99811	0.97089	0.98526	0.99257
61	92	16.98990	3.80354	0.96918	0.99688	0.99844	0.96918	0.98602	0.99296	15.56690	3.72738	0.97089	0.99673	0.99836	0.97089	0.98631	0.99311
61	93	16.98990	3.53621	0.96918	0.99731	0.99865	0.96918	0.98703	0.99347	15.56690	3.47020	0.97089	0.99717	0.99858	0.97089	0.98728	0.99360
61	94	16.98990	3.28870	0.96918	0.99767	0.99884	0.96918	0.98795	0.99394	15.56690	3.23152	0.97089	0.99755	0.99877	0.97089	0.98818	0.99405
61	95	16.98990	3.05955	0.96918	0.99799	0.99899	0.96918	0.98881	0.99437	15.56690	3.01004	0.97089	0.99788	0.99894	0.97089	0.98900	0.99447
61	96	16.98990	2.84646	0.96918	0.99826	0.99913	0.96918	0.98959	0.99477	15.56690	2.80360	0.97089	0.99816	0.99908	0.97089	0.98976	0.99485
61	97	16.98990	2.65226	0.96918	0.99849	0.99924	0.96918	0.99030	0.99513	15.56690	2.61510	0.97089	0.99840	0.99920	0.97089	0.99046	0.99521
61	98	16.98990	2.47567	0.96918	0.99868	0.99934	0.96918	0.99096	0.99546	15.56690	2.44340	0.97089	0.99860	0.99930	0.97089	0.99109	0.99553
61	99	16.98990	2.31535	0.96918	0.99885	0.99943	0.96918	0.99156	0.99576	15.56690	2.28724	0.97089	0.99878	0.99939	0.97089	0.99168	0.99582
61	100	16.98990	2.16976	0.96918	0.99899	0.99950	0.96918	0.99211	0.99604	15.56690	2.14523	0.97089	0.99893	0.99946	0.97089	0.99221	0.99609
61	101	16.98990	2.03734	0.96918	0.99911	0.99956	0.96918	0.99261	0.99629	15.56690	2.01587	0.97089	0.99906	0.99953	0.97089	0.99270	0.99634
61	102	16.98990	1.91714	0.96918	0.99922	0.99961	0.96918	0.99307	0.99652	15.56690	1.89830	0.97089	0.99917	0.99958	0.97089	0.99315	0.99656
61	103	16.98990	1.80800	0.96918	0.99931	0.99965	0.96918	0.99348	0.99673	15.56690	1.79140	0.97089	0.99926	0.99963	0.97089	0.99356	0.99677
61	104	16.98990	1.70943	0.96918	0.99938	0.99969	0.96918	0.99386	0.99692	15.56690	1.69474	0.97089	0.99934	0.99967	0.97089	0.99393	0.99696
61	105	16.98990	1.62048	0.96918	0.99945	0.99972	0.96918	0.99420	0.99709	15.56690	1.60741	0.97089	0.99941	0.99970	0.97089	0.99427	0.99713
61	106	16.98990	1.54080	0.96918	0.99950	0.99975	0.96918	0.99451	0.99725	15.56690	1.52911	0.97089	0.99947	0.99973	0.97089	0.99457	0.99728
61	107	16.98990	1.47009	0.96918	0.99955	0.99977	0.96918	0.99477	0.99738	15.56690	1.45954	0.97089	0.99952	0.99976	0.97089	0.99483	0.99741
61	108	16.98990	1.40861	0.96918	0.99958	0.99979	0.96918	0.99499	0.99749	15.56690	1.39898	0.97089	0.99955	0.99978	0.97089	0.99504	0.99752

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
61	109	16.98990	1.35764	0.96918	0.99961	0.99981	0.96918	0.99516	0.99757	15.56690	1.34871	0.97089	0.99959	0.99979	0.97089	0.99521	0.99760
61	110	16.98990	1.32125	0.96918	0.99963	0.99982	0.96918	0.99527	0.99763	15.56690	1.31279	0.97089	0.99961	0.99980	0.97089	0.99532	0.99766
62	1	16.62814	26.72925	0.96687	0.62150	0.76658	0.96687	0.62114	0.76630	15.26887	22.57586	0.96865	0.67568	0.80645	0.96865	0.67536	0.80623
62	2	16.62814	26.68154	0.96687	0.62262	0.76742	0.96687	0.62226	0.76715	15.26887	22.55058	0.96865	0.67644	0.80699	0.96865	0.67612	0.80677
62	3	16.62814	26.63112	0.96687	0.62378	0.76831	0.96687	0.62342	0.76803	15.26887	22.52338	0.96865	0.67724	0.80757	0.96865	0.67692	0.80734
62	4	16.62814	26.57806	0.96687	0.62500	0.76923	0.96687	0.62462	0.76894	15.26887	22.49433	0.96865	0.67809	0.80817	0.96865	0.67776	0.80793
62	5	16.62814	26.52283	0.96687	0.62627	0.77020	0.96687	0.62588	0.76990	15.26887	22.46379	0.96865	0.67898	0.80880	0.96865	0.67864	0.80856
62	6	16.62814	26.46539	0.96687	0.62760	0.77120	0.96687	0.62719	0.77088	15.26887	22.43176	0.96865	0.67991	0.80946	0.96865	0.67955	0.80921
62	7	16.62814	26.40551	0.96687	0.62898	0.77224	0.96687	0.62855	0.77191	15.26887	22.39806	0.96865	0.68089	0.81016	0.96865	0.68051	0.80989
62	8	16.62814	26.34335	0.96687	0.63043	0.77333	0.96687	0.62997	0.77298	15.26887	22.36278	0.96865	0.68192	0.81088	0.96865	0.68152	0.81060
62	9	16.62814	26.27867	0.96687	0.63193	0.77446	0.96687	0.63144	0.77409	15.26887	22.32575	0.96865	0.68300	0.81165	0.96865	0.68258	0.81135
62	10	16.62814	26.21121	0.96687	0.63350	0.77563	0.96687	0.63298	0.77525	15.26887	22.28674	0.96865	0.68413	0.81244	0.96865	0.68368	0.81213
62	11	16.62814	26.14141	0.96687	0.63513	0.77686	0.96687	0.63458	0.77644	15.26887	22.24611	0.96865	0.68532	0.81328	0.96865	0.68484	0.81294
62	12	16.62814	26.06892	0.96687	0.63683	0.77813	0.96687	0.63625	0.77769	15.26887	22.20360	0.96865	0.68656	0.81415	0.96865	0.68605	0.81379
62	13	16.62814	25.99388	0.96687	0.63860	0.77945	0.96687	0.63798	0.77899	15.26887	22.15929	0.96865	0.68786	0.81507	0.96865	0.68731	0.81468
62	14	16.62814	25.91617	0.96687	0.64045	0.78082	0.96687	0.63979	0.78033	15.26887	22.11310	0.96865	0.68922	0.81602	0.96865	0.68864	0.81562
62	15	16.62814	25.83587	0.96687	0.64237	0.78225	0.96687	0.64168	0.78173	15.26887	22.06509	0.96865	0.69064	0.81702	0.96865	0.69003	0.81659
62	16	16.62814	25.75319	0.96687	0.64436	0.78372	0.96687	0.64364	0.78319	15.26887	22.01544	0.96865	0.69213	0.81805	0.96865	0.69149	0.81761
62	17	16.62814	25.66857	0.96687	0.64643	0.78525	0.96687	0.64569	0.78470	15.26887	21.96453	0.96865	0.69368	0.81914	0.96865	0.69302	0.81868
62	18	16.62814	25.58235	0.96687	0.64858	0.78684	0.96687	0.64782	0.78628	15.26887	21.91267	0.96865	0.69529	0.82026	0.96865	0.69462	0.81980
62	19	16.62814	25.49361	0.96687	0.65082	0.78848	0.96687	0.65005	0.78791	15.26887	21.85907	0.96865	0.69697	0.82143	0.96865	0.69630	0.82096
62	20	16.62814	25.40164	0.96687	0.65315	0.79019	0.96687	0.65237	0.78962	15.26887	21.80312	0.96865	0.69874	0.82266	0.96865	0.69806	0.82219
62	21	16.62814	25.30562	0.96687	0.65558	0.79197	0.96687	0.65479	0.79139	15.26887	21.74411	0.96865	0.70060	0.82394	0.96865	0.69991	0.82347
62	22	16.62814	25.20517	0.96687	0.65813	0.79383	0.96687	0.65732	0.79323	15.26887	21.68171	0.96865	0.70256	0.82530	0.96865	0.70185	0.82481
62	23	16.62814	25.09967	0.96687	0.66081	0.79577	0.96687	0.65995	0.79514	15.26887	21.61537	0.96865	0.70462	0.82672	0.96865	0.70388	0.82621
62	24	16.62814	24.98936	0.96687	0.66360	0.79779	0.96687	0.66269	0.79713	15.26887	21.54528	0.96865	0.70679	0.82821	0.96865	0.70600	0.82767
62	25	16.62814	24.87419	0.96687	0.66653	0.79990	0.96687	0.66555	0.79919	15.26887	21.47137	0.96865	0.70907	0.82977	0.96865	0.70823	0.82920
62	26	16.62814	24.75420	0.96687	0.66958	0.80210	0.96687	0.66852	0.80134	15.26887	21.39367	0.96865	0.71147	0.83141	0.96865	0.71056	0.83079
62	27	16.62814	24.62994	0.96687	0.67277	0.80438	0.96687	0.67162	0.80356	15.26887	21.31262	0.96865	0.71397	0.83312	0.96865	0.71299	0.83245
62	28	16.62814	24.50119	0.96687	0.67609	0.80674	0.96687	0.67485	0.80586	15.26887	21.22804	0.96865	0.71660	0.83491	0.96865	0.71554	0.83419
62	29	16.62814	24.36788	0.96687	0.67955	0.80920	0.96687	0.67821	0.80826	15.26887	21.13984	0.96865	0.71935	0.83677	0.96865	0.71820	0.83599
62	30	16.62814	24.23009	0.96687	0.68315	0.81175	0.96687	0.68171	0.81074	15.26887	21.04806	0.96865	0.72222	0.83871	0.96865	0.72099	0.83788
62	31	16.62814	24.08752	0.96687	0.68691	0.81440	0.96687	0.68535	0.81330	15.26887	20.95246	0.96865	0.72523	0.84073	0.96865	0.72390	0.83984
62	32	16.62814	23.94006	0.96687	0.69082	0.81714	0.96687	0.68914	0.81597	15.26887	20.85289	0.96865	0.72837	0.84284	0.96865	0.72694	0.84188
62	33	16.62814	23.78740	0.96687	0.69490	0.81999	0.96687	0.69308	0.81872	15.26887	20.74907	0.96865	0.73166	0.84504	0.96865	0.73012	0.84401
62	34	16.62814	23.62942	0.96687	0.69915	0.82294	0.96687	0.69719	0.82158	15.26887	20.64088	0.96865	0.73511	0.84733	0.96865	0.73344	0.84622
62	35	16.62814	23.46579	0.96687	0.70357	0.82600	0.96687	0.70145	0.82453	15.26887	20.52800	0.96865	0.73870	0.84972	0.96865	0.73690	0.84852
62	36	16.62814	23.29632	0.96687	0.70818	0.82916	0.96687	0.70588	0.82758	15.26887	20.41023	0.96865	0.74247	0.85220	0.96865	0.74051	0.85091
62	37	16.62814	23.12089	0.96687	0.71298	0.83244	0.96687	0.71048	0.83074	15.26887	20.28745	0.96865	0.74640	0.85478	0.96865	0.74428	0.85339
62	38	16.62814	22.93911	0.96687	0.71797	0.83584	0.96687	0.71526	0.83400	15.26887	20.15926	0.96865	0.75050	0.85747	0.96865	0.74820	0.85597
62	39	16.62814	22.75087	0.96687	0.72317	0.83935	0.96687	0.72022	0.83736	15.26887	20.02555	0.96865	0.75479	0.86026	0.96865	0.75229	0.85864

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
62	40	16.62814	22.55572	0.96687	0.72857	0.84298	0.96687	0.72536	0.84082	15.26887	19.88587	0.96865	0.75926	0.86316	0.96865	0.75654	0.86140
62	41	16.62814	22.35340	0.96687	0.73419	0.84672	0.96687	0.73068	0.84439	15.26887	19.73995	0.96865	0.76392	0.86616	0.96865	0.76096	0.86425
62	42	16.62814	22.14385	0.96687	0.74002	0.85059	0.96687	0.73619	0.84805	15.26887	19.58769	0.96865	0.76877	0.86927	0.96865	0.76554	0.86720
62	43	16.62814	21.92669	0.96687	0.74607	0.85457	0.96687	0.74189	0.85182	15.26887	19.42870	0.96865	0.77383	0.87249	0.96865	0.77030	0.87025
62	44	16.62814	21.70178	0.96687	0.75233	0.85867	0.96687	0.74777	0.85568	15.26887	19.26280	0.96865	0.77908	0.87582	0.96865	0.77522	0.87338
62	45	16.62814	21.46876	0.96687	0.75882	0.86287	0.96687	0.75383	0.85964	15.26887	19.08963	0.96865	0.78453	0.87925	0.96865	0.78032	0.87660
62	46	16.62814	21.22763	0.96687	0.76552	0.86719	0.96687	0.76007	0.86368	15.26887	18.90911	0.96865	0.79017	0.88279	0.96865	0.78557	0.87991
62	47	16.62814	20.97813	0.96687	0.77243	0.87161	0.96687	0.76648	0.86780	15.26887	18.72094	0.96865	0.79601	0.88642	0.96865	0.79099	0.88330
62	48	16.62814	20.72003	0.96687	0.77955	0.87612	0.96687	0.77305	0.87200	15.26887	18.52488	0.96865	0.80204	0.89015	0.96865	0.79656	0.88676
62	49	16.62814	20.45326	0.96687	0.78686	0.88072	0.96687	0.77978	0.87627	15.26887	18.32076	0.96865	0.80825	0.89396	0.96865	0.80228	0.89029
62	50	16.62814	20.17742	0.96687	0.79436	0.88539	0.96687	0.78666	0.88059	15.26887	18.10816	0.96865	0.81464	0.89785	0.96865	0.80814	0.89389
62	51	16.62814	19.89339	0.96687	0.80202	0.89013	0.96687	0.79366	0.88496	15.26887	17.88781	0.96865	0.82118	0.90181	0.96865	0.81412	0.89754
62	52	16.62814	19.60122	0.96687	0.80982	0.89492	0.96687	0.80078	0.88937	15.26887	17.65967	0.96865	0.82786	0.90582	0.96865	0.82021	0.90123
62	53	16.62814	19.30125	0.96687	0.81774	0.89973	0.96687	0.80799	0.89380	15.26887	17.42398	0.96865	0.83466	0.90988	0.96865	0.82641	0.90495
62	54	16.62814	18.99375	0.96687	0.82576	0.90457	0.96687	0.81528	0.89824	15.26887	17.18091	0.96865	0.84156	0.91396	0.96865	0.83268	0.90870
62	55	16.62814	18.67912	0.96687	0.83385	0.90940	0.96687	0.82262	0.90268	15.26887	16.93076	0.96865	0.84854	0.91806	0.96865	0.83902	0.91246
62	56	16.62814	18.35803	0.96687	0.84197	0.91420	0.96687	0.82999	0.90710	15.26887	16.67407	0.96865	0.85556	0.92216	0.96865	0.84540	0.91623
62	57	16.62814	18.02853	0.96687	0.85010	0.91898	0.96687	0.83737	0.91149	15.26887	16.40902	0.96865	0.86262	0.92624	0.96865	0.85181	0.91997
62	58	16.62814	17.69065	0.96687	0.85822	0.92370	0.96687	0.84472	0.91583	15.26887	16.13552	0.96865	0.86969	0.93030	0.96865	0.85821	0.92369
62	59	16.62814	17.34441	0.96687	0.86629	0.92836	0.96687	0.85203	0.92011	15.26887	15.85354	0.96865	0.87673	0.93432	0.96865	0.86459	0.92738
62	60	16.62814	16.98967	0.96687	0.87428	0.93293	0.96687	0.85927	0.92431	15.26887	15.56284	0.96865	0.88373	0.93828	0.96865	0.87092	0.93101
62	61	16.62814	16.62627	0.96687	0.88216	0.93739	0.96687	0.86640	0.92842	15.26887	15.26320	0.96865	0.89065	0.94216	0.96865	0.87718	0.93457
62	62	16.62814	16.25423	0.96687	0.88988	0.94173	0.96687	0.87340	0.93242	15.26887	14.95454	0.96865	0.89747	0.94596	0.96865	0.88335	0.93806
62	63	16.62814	15.87341	0.96687	0.89742	0.94594	0.96687	0.88026	0.93632	15.26887	14.63664	0.96865	0.90415	0.94966	0.96865	0.88940	0.94146
62	64	16.62814	15.48353	0.96687	0.90475	0.94999	0.96687	0.88694	0.94008	15.26887	14.30913	0.96865	0.91066	0.95324	0.96865	0.89532	0.94477
62	65	16.62814	15.08480	0.96687	0.91184	0.95389	0.96687	0.89342	0.94371	15.26887	13.97213	0.96865	0.91700	0.95670	0.96865	0.90108	0.94797
62	66	16.62814	14.67724	0.96687	0.91866	0.95761	0.96687	0.89969	0.94720	15.26887	13.62552	0.96865	0.92312	0.96003	0.96865	0.90668	0.95105
62	67	16.62814	14.26104	0.96687	0.92521	0.96115	0.96687	0.90574	0.95054	15.26887	13.26940	0.96865	0.92902	0.96320	0.96865	0.91208	0.95402
62	68	16.62814	13.83657	0.96687	0.93144	0.96451	0.96687	0.91155	0.95373	15.26887	12.90401	0.96865	0.93467	0.96623	0.96865	0.91730	0.95686
62	69	16.62814	13.40435	0.96687	0.93737	0.96767	0.96687	0.91711	0.95676	15.26887	12.52973	0.96865	0.94006	0.96911	0.96865	0.92230	0.95958
62	70	16.62814	12.96501	0.96687	0.94296	0.97064	0.96687	0.92242	0.95964	15.26887	12.14706	0.96865	0.94518	0.97182	0.96865	0.92710	0.96217
62	71	16.62814	12.51927	0.96687	0.94822	0.97342	0.96687	0.92747	0.96237	15.26887	11.75658	0.96865	0.95002	0.97437	0.96865	0.93168	0.96463
62	72	16.62814	12.06792	0.96687	0.95314	0.97601	0.96687	0.93227	0.96495	15.26887	11.35893	0.96865	0.95458	0.97676	0.96865	0.93604	0.96696
62	73	16.62814	11.61185	0.96687	0.95774	0.97841	0.96687	0.93681	0.96737	15.26887	10.95491	0.96865	0.95885	0.97899	0.96865	0.94018	0.96917
62	74	16.62814	11.15217	0.96687	0.96200	0.98063	0.96687	0.94110	0.96965	15.26887	10.54549	0.96865	0.96283	0.98107	0.96865	0.94411	0.97125
62	75	16.62814	10.68986	0.96687	0.96593	0.98267	0.96687	0.94514	0.97180	15.26887	10.13154	0.96865	0.96654	0.98299	0.96865	0.94783	0.97321
62	76	16.62814	10.22626	0.96687	0.96956	0.98455	0.96687	0.94895	0.97381	15.26887	9.71428	0.96865	0.96997	0.98476	0.96865	0.95134	0.97506
62	77	16.62814	9.76277	0.96687	0.97288	0.98626	0.96687	0.95253	0.97569	15.26887	9.29502	0.96865	0.97313	0.98638	0.96865	0.95465	0.97680
62	78	16.62814	9.30064	0.96687	0.97592	0.98781	0.96687	0.95588	0.97744	15.26887	8.87492	0.96865	0.97604	0.98787	0.96865	0.95776	0.97843
62	79	16.62814	8.84103	0.96687	0.97868	0.98923	0.96687	0.95903	0.97909	15.26887	8.45509	0.96865	0.97870	0.98923	0.96865	0.96069	0.97995
62	80	16.62814	8.38551	0.96687	0.98118	0.99050	0.96687	0.96197	0.98062	15.26887	8.03703	0.96865	0.98112	0.99047	0.96865	0.96344	0.98138

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
62	81	16.62814	7.93532	0.96687	0.98344	0.99165	0.96687	0.96472	0.98204	15.26887	7.62196	0.96865	0.98332	0.99159	0.96865	0.96602	0.98272
62	82	16.62814	7.49211	0.96687	0.98548	0.99269	0.96687	0.96729	0.98337	15.26887	7.21152	0.96865	0.98531	0.99260	0.96865	0.96843	0.98396
62	83	16.62814	7.05756	0.96687	0.98730	0.99361	0.96687	0.96968	0.98461	15.26887	6.80735	0.96865	0.98710	0.99351	0.96865	0.97069	0.98513
62	84	16.62814	6.63342	0.96687	0.98892	0.99443	0.96687	0.97191	0.98576	15.26887	6.41122	0.96865	0.98871	0.99432	0.96865	0.97280	0.98621
62	85	16.62814	6.22156	0.96687	0.99036	0.99516	0.96687	0.97399	0.98682	15.26887	6.02503	0.96865	0.99014	0.99505	0.96865	0.97477	0.98722
62	86	16.62814	5.82374	0.96687	0.99163	0.99580	0.96687	0.97591	0.98781	15.26887	5.65055	0.96865	0.99141	0.99569	0.96865	0.97660	0.98816
62	87	16.62814	5.44155	0.96687	0.99275	0.99636	0.96687	0.97770	0.98872	15.26887	5.28949	0.96865	0.99254	0.99626	0.96865	0.97830	0.98903
62	88	16.62814	5.07613	0.96687	0.99374	0.99686	0.96687	0.97935	0.98957	15.26887	4.94306	0.96865	0.99353	0.99675	0.96865	0.97988	0.98984
62	89	16.62814	4.72862	0.96687	0.99459	0.99729	0.96687	0.98088	0.99035	15.26887	4.61250	0.96865	0.99440	0.99719	0.96865	0.98134	0.99058
62	90	16.62814	4.40007	0.96687	0.99534	0.99766	0.96687	0.98229	0.99107	15.26887	4.29901	0.96865	0.99515	0.99757	0.96865	0.98270	0.99127
62	91	16.62814	4.09149	0.96687	0.99598	0.99799	0.96687	0.98359	0.99173	15.26887	4.00370	0.96865	0.99581	0.99790	0.96865	0.98395	0.99191
62	92	16.62814	3.80354	0.96687	0.99653	0.99826	0.96687	0.98479	0.99234	15.26887	3.72738	0.96865	0.99638	0.99819	0.96865	0.98511	0.99250
62	93	16.62814	3.53621	0.96687	0.99701	0.99850	0.96687	0.98590	0.99290	15.26887	3.47020	0.96865	0.99687	0.99843	0.96865	0.98617	0.99304
62	94	16.62814	3.28870	0.96687	0.99742	0.99871	0.96687	0.98691	0.99341	15.26887	3.23152	0.96865	0.99729	0.99864	0.96865	0.98715	0.99354
62	95	16.62814	3.05955	0.96687	0.99777	0.99888	0.96687	0.98785	0.99389	15.26887	3.01004	0.96865	0.99765	0.99882	0.96865	0.98806	0.99399
62	96	16.62814	2.84646	0.96687	0.99807	0.99903	0.96687	0.98870	0.99432	15.26887	2.80360	0.96865	0.99796	0.99898	0.96865	0.98889	0.99441
62	97	16.62814	2.65226	0.96687	0.99833	0.99916	0.96687	0.98948	0.99471	15.26887	2.61510	0.96865	0.99823	0.99911	0.96865	0.98965	0.99480
62	98	16.62814	2.47567	0.96687	0.99854	0.99927	0.96687	0.99020	0.99507	15.26887	2.44340	0.96865	0.99846	0.99923	0.96865	0.99035	0.99515
62	99	16.62814	2.31535	0.96687	0.99873	0.99936	0.96687	0.99085	0.99540	15.26887	2.28724	0.96865	0.99865	0.99933	0.96865	0.99098	0.99547
62	100	16.62814	2.16976	0.96687	0.99889	0.99944	0.96687	0.99145	0.99571	15.26887	2.14523	0.96865	0.99882	0.99941	0.96865	0.99157	0.99576
62	101	16.62814	2.03734	0.96687	0.99902	0.99951	0.96687	0.99199	0.99598	15.26887	2.01587	0.96865	0.99896	0.99948	0.96865	0.99210	0.99603
62	102	16.62814	1.91714	0.96687	0.99914	0.99957	0.96687	0.99249	0.99623	15.26887	1.89830	0.96865	0.99908	0.99954	0.96865	0.99259	0.99628
62	103	16.62814	1.80800	0.96687	0.99923	0.99962	0.96687	0.99295	0.99646	15.26887	1.79140	0.96865	0.99918	0.99959	0.96865	0.99303	0.99650
62	104	16.62814	1.70943	0.96687	0.99932	0.99966	0.96687	0.99336	0.99667	15.26887	1.69474	0.96865	0.99927	0.99964	0.96865	0.99343	0.99671
62	105	16.62814	1.62048	0.96687	0.99939	0.99969	0.96687	0.99373	0.99685	15.26887	1.60741	0.96865	0.99935	0.99967	0.96865	0.99380	0.99689
62	106	16.62814	1.54080	0.96687	0.99945	0.99972	0.96687	0.99406	0.99702	15.26887	1.52911	0.96865	0.99941	0.99971	0.96865	0.99412	0.99705
62	107	16.62814	1.47009	0.96687	0.99950	0.99975	0.96687	0.99434	0.99716	15.26887	1.45954	0.96865	0.99947	0.99973	0.96865	0.99440	0.99719
62	108	16.62814	1.40861	0.96687	0.99954	0.99977	0.96687	0.99458	0.99728	15.26887	1.39898	0.96865	0.99951	0.99975	0.96865	0.99464	0.99731
62	109	16.62814	1.35764	0.96687	0.99957	0.99979	0.96687	0.99476	0.99738	15.26887	1.34871	0.96865	0.99954	0.99977	0.96865	0.99482	0.99740
62	110	16.62814	1.32125	0.96687	0.99959	0.99980	0.96687	0.99489	0.99744	15.26887	1.31279	0.96865	0.99957	0.99978	0.96865	0.99494	0.99746
63	1	16.25665	26.72925	0.96435	0.60765	0.75595	0.96435	0.60730	0.75568	14.96083	22.57586	0.96616	0.66208	0.79669	0.96616	0.66177	0.79646
63	2	16.25665	26.68154	0.96435	0.60874	0.75679	0.96435	0.60839	0.75652	14.96083	22.55058	0.96616	0.66283	0.79723	0.96616	0.66252	0.79700
63	3	16.25665	26.63112	0.96435	0.60988	0.75767	0.96435	0.60952	0.75740	14.96083	22.52338	0.96616	0.66361	0.79780	0.96616	0.66330	0.79757
63	4	16.25665	26.57806	0.96435	0.61107	0.75859	0.96435	0.61070	0.75831	14.96083	22.49433	0.96616	0.66445	0.79840	0.96616	0.66412	0.79816
63	5	16.25665	26.52283	0.96435	0.61232	0.75955	0.96435	0.61193	0.75925	14.96083	22.46379	0.96616	0.66532	0.79903	0.96616	0.66498	0.79879
63	6	16.25665	26.46539	0.96435	0.61362	0.76055	0.96435	0.61321	0.76024	14.96083	22.43176	0.96616	0.66624	0.79969	0.96616	0.66588	0.79943
63	7	16.25665	26.40551	0.96435	0.61497	0.76159	0.96435	0.61455	0.76126	14.96083	22.39806	0.96616	0.66720	0.80038	0.96616	0.66683	0.80012
63	8	16.25665	26.34335	0.96435	0.61639	0.76267	0.96435	0.61594	0.76233	14.96083	22.36278	0.96616	0.66821	0.80111	0.96616	0.66781	0.80083
63	9	16.25665	26.27867	0.96435	0.61786	0.76380	0.96435	0.61738	0.76343	14.96083	22.32575	0.96616	0.66927	0.80187	0.96616	0.66885	0.80157
63	10	16.25665	26.21121	0.96435	0.61939	0.76497	0.96435	0.61889	0.76458	14.96083	22.28674	0.96616	0.67038	0.80267	0.96616	0.66993	0.80235
63	11	16.25665	26.14141	0.96435	0.62099	0.76619	0.96435	0.62045	0.76578	14.96083	22.24611	0.96616	0.67154	0.80350	0.96616	0.67107	0.80316

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
63	12	16.25665	26.06892	0.96435	0.62266	0.76746	0.96435	0.62209	0.76702	14.96083	22.20360	0.96616	0.67276	0.80437	0.96616	0.67226	0.80401
63	13	16.25665	25.99388	0.96435	0.62440	0.76877	0.96435	0.62379	0.76831	14.96083	22.15929	0.96616	0.67404	0.80529	0.96616	0.67350	0.80490
63	14	16.25665	25.91617	0.96435	0.62620	0.77014	0.96435	0.62556	0.76965	14.96083	22.11310	0.96616	0.67538	0.80624	0.96616	0.67481	0.80583
63	15	16.25665	25.83587	0.96435	0.62808	0.77156	0.96435	0.62741	0.77105	14.96083	22.06509	0.96616	0.67678	0.80723	0.96616	0.67617	0.80681
63	16	16.25665	25.75319	0.96435	0.63004	0.77304	0.96435	0.62933	0.77250	14.96083	22.01544	0.96616	0.67824	0.80827	0.96616	0.67761	0.80783
63	17	16.25665	25.66857	0.96435	0.63207	0.77456	0.96435	0.63134	0.77401	14.96083	21.96453	0.96616	0.67976	0.80935	0.96616	0.67911	0.80889
63	18	16.25665	25.58235	0.96435	0.63417	0.77614	0.96435	0.63343	0.77558	14.96083	21.91267	0.96616	0.68134	0.81047	0.96616	0.68068	0.81001
63	19	16.25665	25.49361	0.96435	0.63636	0.77778	0.96435	0.63561	0.77721	14.96083	21.85907	0.96616	0.68300	0.81164	0.96616	0.68234	0.81118
63	20	16.25665	25.40164	0.96435	0.63865	0.77948	0.96435	0.63789	0.77892	14.96083	21.80312	0.96616	0.68473	0.81287	0.96616	0.68407	0.81240
63	21	16.25665	25.30562	0.96435	0.64104	0.78126	0.96435	0.64026	0.78068	14.96083	21.74411	0.96616	0.68656	0.81416	0.96616	0.68589	0.81368
63	22	16.25665	25.20517	0.96435	0.64354	0.78311	0.96435	0.64274	0.78252	14.96083	21.68171	0.96616	0.68849	0.81551	0.96616	0.68779	0.81502
63	23	16.25665	25.09967	0.96435	0.64616	0.78505	0.96435	0.64533	0.78443	14.96083	21.61537	0.96616	0.69052	0.81693	0.96616	0.68979	0.81642
63	24	16.25665	24.98936	0.96435	0.64890	0.78707	0.96435	0.64802	0.78642	14.96083	21.54528	0.96616	0.69265	0.81842	0.96616	0.69188	0.81789
63	25	16.25665	24.87419	0.96435	0.65178	0.78918	0.96435	0.65083	0.78849	14.96083	21.47137	0.96616	0.69490	0.81999	0.96616	0.69408	0.81942
63	26	16.25665	24.75420	0.96435	0.65478	0.79138	0.96435	0.65375	0.79063	14.96083	21.39367	0.96616	0.69726	0.82163	0.96616	0.69637	0.82101
63	27	16.25665	24.62994	0.96435	0.65791	0.79366	0.96435	0.65680	0.79285	14.96083	21.31262	0.96616	0.69973	0.82335	0.96616	0.69877	0.82268
63	28	16.25665	24.50119	0.96435	0.66117	0.79603	0.96435	0.65997	0.79516	14.96083	21.22804	0.96616	0.70232	0.82514	0.96616	0.70129	0.82442
63	29	16.25665	24.36788	0.96435	0.66457	0.79849	0.96435	0.66328	0.79756	14.96083	21.13984	0.96616	0.70504	0.82700	0.96616	0.70392	0.82623
63	30	16.25665	24.23009	0.96435	0.66812	0.80105	0.96435	0.66673	0.80004	14.96083	21.04806	0.96616	0.70787	0.82895	0.96616	0.70667	0.82813
63	31	16.25665	24.08752	0.96435	0.67182	0.80370	0.96435	0.67031	0.80262	14.96083	20.95246	0.96616	0.71084	0.83099	0.96616	0.70954	0.83010
63	32	16.25665	23.94006	0.96435	0.67567	0.80645	0.96435	0.67405	0.80529	14.96083	20.85289	0.96616	0.71395	0.83311	0.96616	0.71255	0.83215
63	33	16.25665	23.78740	0.96435	0.67969	0.80931	0.96435	0.67794	0.80806	14.96083	20.74907	0.96616	0.71721	0.83532	0.96616	0.71570	0.83429
63	34	16.25665	23.62942	0.96435	0.68388	0.81227	0.96435	0.68199	0.81093	14.96083	20.64088	0.96616	0.72061	0.83762	0.96616	0.71898	0.83652
63	35	16.25665	23.46579	0.96435	0.68825	0.81534	0.96435	0.68620	0.81390	14.96083	20.52800	0.96616	0.72418	0.84003	0.96616	0.72242	0.83884
63	36	16.25665	23.29632	0.96435	0.69280	0.81853	0.96435	0.69058	0.81697	14.96083	20.41023	0.96616	0.72791	0.84253	0.96616	0.72600	0.84125
63	37	16.25665	23.12089	0.96435	0.69755	0.82183	0.96435	0.69513	0.82015	14.96083	20.28745	0.96616	0.73180	0.84514	0.96616	0.72974	0.84376
63	38	16.25665	22.93911	0.96435	0.70249	0.82525	0.96435	0.69986	0.82343	14.96083	20.15926	0.96616	0.73588	0.84785	0.96616	0.73364	0.84636
63	39	16.25665	22.75087	0.96435	0.70764	0.82879	0.96435	0.70478	0.82683	14.96083	20.02555	0.96616	0.74014	0.85067	0.96616	0.73770	0.84906
63	40	16.25665	22.55572	0.96435	0.71300	0.83245	0.96435	0.70988	0.83033	14.96083	19.88587	0.96616	0.74459	0.85360	0.96616	0.74194	0.85185
63	41	16.25665	22.35340	0.96435	0.71857	0.83624	0.96435	0.71517	0.83394	14.96083	19.73995	0.96616	0.74924	0.85665	0.96616	0.74634	0.85475
63	42	16.25665	22.14385	0.96435	0.72437	0.84016	0.96435	0.72066	0.83765	14.96083	19.58769	0.96616	0.75409	0.85981	0.96616	0.75092	0.85775
63	43	16.25665	21.92669	0.96435	0.73040	0.84420	0.96435	0.72633	0.84147	14.96083	19.42870	0.96616	0.75914	0.86308	0.96616	0.75568	0.86084
63	44	16.25665	21.70178	0.96435	0.73665	0.84836	0.96435	0.73220	0.84540	14.96083	19.26280	0.96616	0.76440	0.86647	0.96616	0.76061	0.86403
63	45	16.25665	21.46876	0.96435	0.74314	0.85264	0.96435	0.73827	0.84943	14.96083	19.08963	0.96616	0.76987	0.86997	0.96616	0.76573	0.86732
63	46	16.25665	21.22763	0.96435	0.74985	0.85704	0.96435	0.74452	0.85355	14.96083	18.90911	0.96616	0.77554	0.87358	0.96616	0.77101	0.87070
63	47	16.25665	20.97813	0.96435	0.75679	0.86156	0.96435	0.75096	0.85777	14.96083	18.72094	0.96616	0.78143	0.87731	0.96616	0.77647	0.87417
63	48	16.25665	20.72003	0.96435	0.76396	0.86619	0.96435	0.75758	0.86207	14.96083	18.52488	0.96616	0.78752	0.88113	0.96616	0.78210	0.87773
63	49	16.25665	20.45326	0.96435	0.77134	0.87091	0.96435	0.76438	0.86646	14.96083	18.32076	0.96616	0.79382	0.88506	0.96616	0.78790	0.88137
63	50	16.25665	20.17742	0.96435	0.77893	0.87573	0.96435	0.77134	0.87091	14.96083	18.10816	0.96616	0.80031	0.88908	0.96616	0.79385	0.88508
63	51	16.25665	19.89339	0.96435	0.78671	0.88063	0.96435	0.77845	0.87543	14.96083	17.88781	0.96616	0.80697	0.89318	0.96616	0.79994	0.88885
63	52	16.25665	19.60122	0.96435	0.79467	0.88559	0.96435	0.78570	0.87999	14.96083	17.65967	0.96616	0.81380	0.89735	0.96616	0.80617	0.89268

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
63	53	16.25665	19.30125	0.96435	0.80277	0.89060	0.96435	0.79307	0.88460	14.96083	17.42398	0.96616	0.82078	0.90157	0.96616	0.81252	0.89656				
63	54	16.25665	18.99375	0.96435	0.81101	0.89564	0.96435	0.80055	0.88923	14.96083	17.18091	0.96616	0.82789	0.90584	0.96616	0.81898	0.90048				
63	55	16.25665	18.67912	0.96435	0.81934	0.90070	0.96435	0.80811	0.89387	14.96083	16.93076	0.96616	0.83511	0.91015	0.96616	0.82552	0.90442				
63	56	16.25665	18.35803	0.96435	0.82775	0.90576	0.96435	0.81573	0.89851	14.96083	16.67407	0.96616	0.84240	0.91446	0.96616	0.83214	0.90838				
63	57	16.25665	18.02853	0.96435	0.83622	0.91080	0.96435	0.82339	0.90314	14.96083	16.40902	0.96616	0.84976	0.91878	0.96616	0.83881	0.91234				
63	58	16.25665	17.69065	0.96435	0.84470	0.91581	0.96435	0.83106	0.90773	14.96083	16.13552	0.96616	0.85717	0.92309	0.96616	0.84550	0.91628				
63	59	16.25665	17.34441	0.96435	0.85318	0.92077	0.96435	0.83871	0.91228	14.96083	15.85354	0.96616	0.86459	0.92738	0.96616	0.85220	0.92020				
63	60	16.25665	16.98967	0.96435	0.86161	0.92566	0.96435	0.84631	0.91676	14.96083	15.56284	0.96616	0.87199	0.93162	0.96616	0.85887	0.92408				
63	61	16.25665	16.62627	0.96435	0.86996	0.93046	0.96435	0.85385	0.92116	14.96083	15.26320	0.96616	0.87934	0.93580	0.96616	0.86550	0.92790				
63	62	16.25665	16.25423	0.96435	0.87819	0.93515	0.96435	0.86128	0.92547	14.96083	14.95454	0.96616	0.88661	0.93990	0.96616	0.87206	0.93166				
63	63	16.25665	15.87341	0.96435	0.88627	0.93971	0.96435	0.86858	0.92967	14.96083	14.63664	0.96616	0.89378	0.94391	0.96616	0.87852	0.93533				
63	64	16.25665	15.48353	0.96435	0.89417	0.94413	0.96435	0.87573	0.93375	14.96083	14.30913	0.96616	0.90081	0.94782	0.96616	0.88487	0.93892				
63	65	16.25665	15.08480	0.96435	0.90184	0.94839	0.96435	0.88270	0.93770	14.96083	13.97213	0.96616	0.90767	0.95160	0.96616	0.89108	0.94240				
63	66	16.25665	14.67724	0.96435	0.90927	0.95248	0.96435	0.88947	0.94150	14.96083	13.62552	0.96616	0.91433	0.95525	0.96616	0.89712	0.94577				
63	67	16.25665	14.26104	0.96435	0.91641	0.95638	0.96435	0.89603	0.94516	14.96083	13.26940	0.96616	0.92078	0.95875	0.96616	0.90299	0.94902				
63	68	16.25665	13.83657	0.96435	0.92326	0.96010	0.96435	0.90234	0.94866	14.96083	12.90401	0.96616	0.92698	0.96210	0.96616	0.90867	0.95215				
63	69	16.25665	13.40435	0.96435	0.92978	0.96361	0.96435	0.90841	0.95201	14.96083	12.52973	0.96616	0.93292	0.96529	0.96616	0.91414	0.95514				
63	70	16.25665	12.96501	0.96435	0.93597	0.96693	0.96435	0.91423	0.95519	14.96083	12.14706	0.96616	0.93858	0.96831	0.96616	0.91940	0.95801				
63	71	16.25665	12.51927	0.96435	0.94181	0.97003	0.96435	0.91978	0.95821	14.96083	11.75658	0.96616	0.94394	0.97116	0.96616	0.92443	0.96073				
63	72	16.25665	12.06792	0.96435	0.94730	0.97294	0.96435	0.92506	0.96107	14.96083	11.35893	0.96616	0.94901	0.97384	0.96616	0.92924	0.96332				
63	73	16.25665	11.61185	0.96435	0.95243	0.97563	0.96435	0.93007	0.96377	14.96083	10.95491	0.96616	0.95378	0.97634	0.96616	0.93382	0.96578				
63	74	16.25665	11.15217	0.96435	0.95720	0.97813	0.96435	0.93482	0.96631	14.96083	10.54549	0.96616	0.95824	0.97867	0.96616	0.93817	0.96810				
63	75	16.25665	10.68986	0.96435	0.96162	0.98044	0.96435	0.93931	0.96870	14.96083	10.13154	0.96616	0.96239	0.98083	0.96616	0.94229	0.97029				
63	76	16.25665	10.22626	0.96435	0.96570	0.98255	0.96435	0.94354	0.97095	14.96083	9.71428	0.96616	0.96624	0.98283	0.96616	0.94619	0.97235				
63	77	16.25665	9.76277	0.96435	0.96944	0.98448	0.96435	0.94752	0.97305	14.96083	9.29502	0.96616	0.96980	0.98467	0.96616	0.94987	0.97429				
63	78	16.25665	9.30064	0.96435	0.97287	0.98625	0.96435	0.95125	0.97502	14.96083	8.87492	0.96616	0.97307	0.98635	0.96616	0.95334	0.97611				
63	79	16.25665	8.84103	0.96435	0.97599	0.98785	0.96435	0.95476	0.97685	14.96083	8.45509	0.96616	0.97606	0.98789	0.96616	0.95661	0.97782				
63	80	16.25665	8.38551	0.96435	0.97881	0.98929	0.96435	0.95804	0.97857	14.96083	8.03703	0.96616	0.97879	0.98928	0.96616	0.95967	0.97942				
63	81	16.25665	7.93532	0.96435	0.98137	0.99060	0.96435	0.96110	0.98017	14.96083	7.62196	0.96616	0.98128	0.99055	0.96616	0.96255	0.98092				
63	82	16.25665	7.49211	0.96435	0.98366	0.99176	0.96435	0.96396	0.98165	14.96083	7.21152	0.96616	0.98352	0.99169	0.96616	0.96524	0.98231				
63	83	16.25665	7.05756	0.96435	0.98572	0.99281	0.96435	0.96663	0.98303	14.96083	6.80735	0.96616	0.98554	0.99272	0.96616	0.96775	0.98361				
63	84	16.25665	6.63342	0.96435	0.98756	0.99374	0.96435	0.96912	0.98432	14.96083	6.41122	0.96616	0.98735	0.99363	0.96616	0.97010	0.98482				
63	85	16.25665	6.22156	0.96435	0.98918	0.99456	0.96435	0.97143	0.98551	14.96083	6.02503	0.96616	0.98896	0.99445	0.96616	0.97229	0.98595				
63	86	16.25665	5.82374	0.96435	0.99062	0.99529	0.96435	0.97357	0.98661	14.96083	5.65055	0.96616	0.99040	0.99517	0.96616	0.97432	0.98700				
63	87	16.25665	5.44155	0.96435	0.99188	0.99592	0.96435	0.97555	0.98762	14.96083	5.28949	0.96616	0.99166	0.99581	0.96616	0.97622	0.98796				
63	88	16.25665	5.07613	0.96435	0.99299	0.99648	0.96435	0.97739	0.98856	14.96083	4.94306	0.96616	0.99277	0.99637	0.96616	0.97797	0.98886				
63	89	16.25665	4.72862	0.96435	0.99395	0.99697	0.96435	0.97908	0.98943	14.96083	4.61250	0.96616	0.99375	0.99686	0.96616	0.97959	0.98969				
63	90	16.25665	4.40007	0.96435	0.99479	0.99739	0.96435	0.98064	0.99023	14.96083	4.29901	0.96616	0.99460	0.99729	0.96616	0.98109	0.99046				
63	91	16.25665	4.09149	0.96435	0.99551	0.99775	0.96435	0.98208	0.99096	14.96083	4.00370	0.96616	0.99533	0.99766	0.96616	0.98248	0.99116				
63	92	16.25665	3.80354	0.96435	0.99613	0.99806	0.96435	0.98341	0.99163	14.96083	3.72738	0.96616	0.99597	0.99798	0.96616	0.98375	0.99181				
63	93	16.25665	3.53621	0.96435	0.99667	0.99833	0.96435	0.98462	0.99225	14.96083	3.47020	0.96616	0.99652	0.99825	0.96616	0.98493	0.99241				

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SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
63	94	16.25665	3.28870	0.96435	0.99712	0.99856	0.96435	0.98574	0.99282		14.96083	3.23152	0.96616	0.99699	0.99849	0.96616	0.98601	0.99295		
63	95	16.25665	3.05955	0.96435	0.99752	0.99876	0.96435	0.98677	0.99334		14.96083	3.01004	0.96616	0.99739	0.99869	0.96616	0.98700	0.99346		
63	96	16.25665	2.84646	0.96435	0.99785	0.99892	0.96435	0.98771	0.99382		14.96083	2.80360	0.96616	0.99774	0.99887	0.96616	0.98791	0.99392		
63	97	16.25665	2.65226	0.96435	0.99814	0.99907	0.96435	0.98856	0.99425		14.96083	2.61510	0.96616	0.99804	0.99902	0.96616	0.98875	0.99434		
63	98	16.25665	2.47567	0.96435	0.99838	0.99919	0.96435	0.98935	0.99465		14.96083	2.44340	0.96616	0.99829	0.99914	0.96616	0.98951	0.99473		
63	99	16.25665	2.31535	0.96435	0.99859	0.99929	0.96435	0.99006	0.99501		14.96083	2.28724	0.96616	0.99851	0.99925	0.96616	0.99021	0.99508		
63	100	16.25665	2.16976	0.96435	0.99876	0.99938	0.96435	0.99072	0.99534		14.96083	2.14523	0.96616	0.99869	0.99934	0.96616	0.99084	0.99540		
63	101	16.25665	2.03734	0.96435	0.99891	0.99946	0.96435	0.99131	0.99564		14.96083	2.01587	0.96616	0.99885	0.99942	0.96616	0.99143	0.99570		
63	102	16.25665	1.91714	0.96435	0.99904	0.99952	0.96435	0.99186	0.99591		14.96083	1.89830	0.96616	0.99898	0.99949	0.96616	0.99196	0.99596		
63	103	16.25665	1.80800	0.96435	0.99915	0.99957	0.96435	0.99235	0.99616		14.96083	1.79140	0.96616	0.99910	0.99955	0.96616	0.99244	0.99621		
63	104	16.25665	1.70943	0.96435	0.99924	0.99962	0.96435	0.99280	0.99639		14.96083	1.69474	0.96616	0.99919	0.99960	0.96616	0.99288	0.99643		
63	105	16.25665	1.62048	0.96435	0.99932	0.99966	0.96435	0.99320	0.99659		14.96083	1.60741	0.96616	0.99928	0.99964	0.96616	0.99328	0.99663		
63	106	16.25665	1.54080	0.96435	0.99939	0.99969	0.96435	0.99356	0.99677		14.96083	1.52911	0.96616	0.99935	0.99967	0.96616	0.99363	0.99681		
63	107	16.25665	1.47009	0.96435	0.99945	0.99972	0.96435	0.99387	0.99693		14.96083	1.45954	0.96616	0.99941	0.99970	0.96616	0.99394	0.99696		
63	108	16.25665	1.40861	0.96435	0.99949	0.99975	0.96435	0.99413	0.99706		14.96083	1.39898	0.96616	0.99946	0.99973	0.96616	0.99419	0.99709		
63	109	16.25665	1.35764	0.96435	0.99953	0.99976	0.96435	0.99433	0.99716		14.96083	1.34871	0.96616	0.99949	0.99975	0.96616	0.99439	0.99719		
63	110	16.25665	1.32125	0.96435	0.99955	0.99978	0.96435	0.99447	0.99723		14.96083	1.31279	0.96616	0.99952	0.99976	0.96616	0.99452	0.99725		
64	1	15.87527	26.72925	0.96144	0.59343	0.74484	0.96144	0.59308	0.74457		14.64253	22.57586	0.96342	0.64803	0.78643	0.96342	0.64772	0.78620		
64	2	15.87527	26.68154	0.96144	0.59449	0.74568	0.96144	0.59415	0.74541		14.64253	22.55058	0.96342	0.64876	0.78696	0.96342	0.64845	0.78674		
64	3	15.87527	26.63112	0.96144	0.59560	0.74656	0.96144	0.59526	0.74628		14.64253	22.52338	0.96342	0.64953	0.78753	0.96342	0.64922	0.78731		
64	4	15.87527	26.57806	0.96144	0.59677	0.74747	0.96144	0.59641	0.74719		14.64253	22.49433	0.96342	0.65035	0.78813	0.96342	0.65003	0.78790		
64	5	15.87527	26.52283	0.96144	0.59799	0.74843	0.96144	0.59761	0.74813		14.64253	22.46379	0.96342	0.65120	0.78876	0.96342	0.65087	0.78852		
64	6	15.87527	26.46539	0.96144	0.59926	0.74942	0.96144	0.59887	0.74911		14.64253	22.43176	0.96342	0.65210	0.78942	0.96342	0.65175	0.78916		
64	7	15.87527	26.40551	0.96144	0.60059	0.75046	0.96144	0.60017	0.75013		14.64253	22.39806	0.96342	0.65305	0.79011	0.96342	0.65268	0.78984		
64	8	15.87527	26.34335	0.96144	0.60197	0.75153	0.96144	0.60153	0.75119		14.64253	22.36278	0.96342	0.65404	0.79084	0.96342	0.65365	0.79055		
64	9	15.87527	26.27867	0.96144	0.60341	0.75266	0.96144	0.60294	0.75229		14.64253	22.32575	0.96342	0.65508	0.79160	0.96342	0.65466	0.79129		
64	10	15.87527	26.21121	0.96144	0.60491	0.75382	0.96144	0.60441	0.75344		14.64253	22.28674	0.96342	0.65617	0.79239	0.96342	0.65573	0.79207		
64	11	15.87527	26.14141	0.96144	0.60647	0.75504	0.96144	0.60595	0.75463		14.64253	22.24611	0.96342	0.65731	0.79322	0.96342	0.65684	0.79288		
64	12	15.87527	26.06892	0.96144	0.60810	0.75630	0.96144	0.60755	0.75587		14.64253	22.20360	0.96342	0.65850	0.79409	0.96342	0.65801	0.79373		
64	13	15.87527	25.99388	0.96144	0.60980	0.75761	0.96144	0.60921	0.75715		14.64253	22.15929	0.96342	0.65976	0.79500	0.96342	0.65923	0.79462		
64	14	15.87527	25.91617	0.96144	0.61157	0.75898	0.96144	0.61094	0.75849		14.64253	22.11310	0.96342	0.66107	0.79596	0.96342	0.66051	0.79555		
64	15	15.87527	25.83587	0.96144	0.61341	0.76039	0.96144	0.61275	0.75988		14.64253	22.06509	0.96342	0.66244	0.79695	0.96342	0.66185	0.79652		
64	16	15.87527	25.75319	0.96144	0.61533	0.76186	0.96144	0.61463	0.76133		14.64253	22.01544	0.96342	0.66387	0.79799	0.96342	0.66325	0.79754		
64	17	15.87527	25.66857	0.96144	0.61731	0.76338	0.96144	0.61659	0.76283		14.64253	21.96453	0.96342	0.66537	0.79906	0.96342	0.66473	0.79860		
64	18	15.87527	25.58235	0.96144	0.61937	0.76495	0.96144	0.61864	0.76440		14.64253	21.91267	0.96342	0.66692	0.80018	0.96342	0.66627	0.79972		
64	19	15.87527	25.49361	0.96144	0.62151	0.76658	0.96144	0.62078	0.76603		14.64253	21.85907	0.96342	0.66855	0.80135	0.96342	0.66789	0.80088		
64	20	15.87527	25.40164	0.96144	0.62375	0.76828	0.96144	0.62301	0.76772		14.64253	21.80312	0.96342	0.67025	0.80257	0.96342	0.66960	0.80211		
64	21	15.87527	25.30562	0.96144	0.62609	0.77005	0.96144	0.62534	0.76949		14.64253	21.74411	0.96342	0.67205	0.80386	0.96342	0.67138	0.80339		
64	22	15.87527	25.20517	0.96144	0.62854	0.77190	0.96144	0.62776	0.77132		14.64253	21.68171	0.96342	0.67394	0.80521	0.96342	0.67326	0.80473		
64	23	15.87527	25.09967	0.96144	0.63111	0.77384	0.96144	0.63030	0.77323		14.64253	21.61537	0.96342	0.67593	0.80663	0.96342	0.67522	0.80613		
64	24	15.87527	24.98936	0.96144	0.63380	0.77586	0.96144	0.63294	0.77522		14.64253	21.54528	0.96342	0.67803	0.80813	0.96342	0.67728	0.80759		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
64	25	15.87527	24.87419	0.96144	0.63661	0.77796	0.96144	0.63569	0.77728	14.64253	21.47137	0.96342	0.68024	0.80970	0.96342	0.67944	0.80913
64	26	15.87527	24.75420	0.96144	0.63956	0.78016	0.96144	0.63856	0.77942	14.64253	21.39367	0.96342	0.68257	0.81134	0.96342	0.68170	0.81073
64	27	15.87527	24.62994	0.96144	0.64263	0.78244	0.96144	0.64156	0.78164	14.64253	21.31262	0.96342	0.68500	0.81306	0.96342	0.68406	0.81240
64	28	15.87527	24.50119	0.96144	0.64583	0.78481	0.96144	0.64467	0.78395	14.64253	21.22804	0.96342	0.68755	0.81485	0.96342	0.68654	0.81414
64	29	15.87527	24.36788	0.96144	0.64917	0.78727	0.96144	0.64792	0.78635	14.64253	21.13984	0.96342	0.69022	0.81672	0.96342	0.68913	0.81596
64	30	15.87527	24.23009	0.96144	0.65266	0.78983	0.96144	0.65131	0.78884	14.64253	21.04806	0.96342	0.69302	0.81868	0.96342	0.69184	0.81786
64	31	15.87527	24.08752	0.96144	0.65629	0.79248	0.96144	0.65484	0.79142	14.64253	20.95246	0.96342	0.69595	0.82072	0.96342	0.69468	0.81984
64	32	15.87527	23.94006	0.96144	0.66008	0.79524	0.96144	0.65851	0.79410	14.64253	20.85289	0.96342	0.69902	0.82285	0.96342	0.69765	0.82190
64	33	15.87527	23.78740	0.96144	0.66404	0.79810	0.96144	0.66234	0.79688	14.64253	20.74907	0.96342	0.70223	0.82507	0.96342	0.70076	0.82405
64	34	15.87527	23.62942	0.96144	0.66816	0.80107	0.96144	0.66633	0.79976	14.64253	20.64088	0.96342	0.70559	0.82739	0.96342	0.70401	0.82630
64	35	15.87527	23.46579	0.96144	0.67246	0.80416	0.96144	0.67048	0.80274	14.64253	20.52800	0.96342	0.70912	0.82980	0.96342	0.70740	0.82863
64	36	15.87527	23.29632	0.96144	0.67695	0.80736	0.96144	0.67480	0.80583	14.64253	20.41023	0.96342	0.71280	0.83232	0.96342	0.71095	0.83106
64	37	15.87527	23.12089	0.96144	0.68163	0.81068	0.96144	0.67930	0.80903	14.64253	20.28745	0.96342	0.71667	0.83495	0.96342	0.71465	0.83358
64	38	15.87527	22.93911	0.96144	0.68651	0.81412	0.96144	0.68398	0.81234	14.64253	20.15926	0.96342	0.72071	0.83769	0.96342	0.71852	0.83621
64	39	15.87527	22.75087	0.96144	0.69160	0.81769	0.96144	0.68884	0.81576	14.64253	20.02555	0.96342	0.72493	0.84053	0.96342	0.72256	0.83894
64	40	15.87527	22.55572	0.96144	0.69690	0.82138	0.96144	0.69390	0.81929	14.64253	19.88587	0.96342	0.72935	0.84350	0.96342	0.72676	0.84176
64	41	15.87527	22.35340	0.96144	0.70243	0.82521	0.96144	0.69914	0.82294	14.64253	19.73995	0.96342	0.73397	0.84658	0.96342	0.73115	0.84470
64	42	15.87527	22.14385	0.96144	0.70818	0.82917	0.96144	0.70459	0.82669	14.64253	19.58769	0.96342	0.73880	0.84978	0.96342	0.73571	0.84773
64	43	15.87527	21.92669	0.96144	0.71417	0.83326	0.96144	0.71023	0.83057	14.64253	19.42870	0.96342	0.74384	0.85310	0.96342	0.74046	0.85088
64	44	15.87527	21.70178	0.96144	0.72039	0.83748	0.96144	0.71608	0.83455	14.64253	19.26280	0.96342	0.74909	0.85655	0.96342	0.74539	0.85412
64	45	15.87527	21.46876	0.96144	0.72686	0.84183	0.96144	0.72213	0.83864	14.64253	19.08963	0.96342	0.75456	0.86011	0.96342	0.75050	0.85747
64	46	15.87527	21.22763	0.96144	0.73357	0.84631	0.96144	0.72838	0.84284	14.64253	18.90911	0.96342	0.76025	0.86380	0.96342	0.75580	0.86092
64	47	15.87527	20.97813	0.96144	0.74052	0.85091	0.96144	0.73483	0.84715	14.64253	18.72094	0.96342	0.76617	0.86761	0.96342	0.76129	0.86447
64	48	15.87527	20.72003	0.96144	0.74771	0.85564	0.96144	0.74147	0.85155	14.64253	18.52488	0.96342	0.77230	0.87153	0.96342	0.76696	0.86811
64	49	15.87527	20.45326	0.96144	0.75513	0.86048	0.96144	0.74831	0.85604	14.64253	18.32076	0.96342	0.77866	0.87556	0.96342	0.77281	0.87185
64	50	15.87527	20.17742	0.96144	0.76279	0.86543	0.96144	0.75533	0.86061	14.64253	18.10816	0.96342	0.78523	0.87969	0.96342	0.77883	0.87567
64	51	15.87527	19.89339	0.96144	0.77066	0.87048	0.96144	0.76252	0.86526	14.64253	17.88781	0.96342	0.79200	0.88393	0.96342	0.78502	0.87956
64	52	15.87527	19.60122	0.96144	0.77873	0.87561	0.96144	0.76988	0.86998	14.64253	17.65967	0.96342	0.79895	0.88824	0.96342	0.79136	0.88353
64	53	15.87527	19.30125	0.96144	0.78699	0.88080	0.96144	0.77738	0.87475	14.64253	17.42398	0.96342	0.80609	0.89263	0.96342	0.79784	0.88755
64	54	15.87527	18.99375	0.96144	0.79541	0.88605	0.96144	0.78501	0.87956	14.64253	17.18091	0.96342	0.81338	0.89708	0.96342	0.80445	0.89163
64	55	15.87527	18.67912	0.96144	0.80396	0.89133	0.96144	0.79276	0.88440	14.64253	16.93076	0.96342	0.82080	0.90158	0.96342	0.81118	0.89575
64	56	15.87527	18.35803	0.96144	0.81262	0.89663	0.96144	0.80060	0.88926	14.64253	16.67407	0.96342	0.82834	0.90611	0.96342	0.81801	0.89990
64	57	15.87527	18.02853	0.96144	0.82138	0.90193	0.96144	0.80851	0.89412	14.64253	16.40902	0.96342	0.83598	0.91066	0.96342	0.82492	0.90406
64	58	15.87527	17.69065	0.96144	0.83021	0.90723	0.96144	0.81647	0.89896	14.64253	16.13552	0.96342	0.84370	0.91522	0.96342	0.83188	0.90823
64	59	15.87527	17.34441	0.96144	0.83906	0.91249	0.96144	0.82444	0.90377	14.64253	15.85354	0.96342	0.85146	0.91977	0.96342	0.83888	0.91238
64	60	15.87527	16.98967	0.96144	0.84791	0.91770	0.96144	0.83240	0.90853	14.64253	15.56284	0.96342	0.85925	0.92430	0.96342	0.84588	0.91651
64	61	15.87527	16.62627	0.96144	0.85672	0.92283	0.96144	0.84032	0.91323	14.64253	15.26320	0.96342	0.86702	0.92878	0.96342	0.85286	0.92059
64	62	15.87527	16.25423	0.96144	0.86545	0.92787	0.96144	0.84816	0.91784	14.64253	14.95454	0.96342	0.87475	0.93319	0.96342	0.85980	0.92462
64	63	15.87527	15.87341	0.96144	0.87407	0.93280	0.96144	0.85590	0.92236	14.64253	14.63664	0.96342	0.88240	0.93753	0.96342	0.86667	0.92858
64	64	15.87527	15.48353	0.96144	0.88252	0.93760	0.96144	0.86352	0.92676	14.64253	14.30913	0.96342	0.88994	0.94177	0.96342	0.87345	0.93245
64	65	15.87527	15.08480	0.96144	0.89079	0.94224	0.96144	0.87098	0.93104	14.64253	13.97213	0.96342	0.89733	0.94589	0.96342	0.88010	0.93623

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
64	66	15.87527	14.67724	0.96144	0.89883	0.94672	0.96144	0.87825	0.93518	14.64253	13.62552	0.96342	0.90455	0.94989	0.96342	0.88661	0.93990
64	67	15.87527	14.26104	0.96144	0.90660	0.95101	0.96144	0.88532	0.93917	14.64253	13.26940	0.96342	0.91157	0.95374	0.96342	0.89295	0.94345
64	68	15.87527	13.83657	0.96144	0.91409	0.95512	0.96144	0.89216	0.94301	14.64253	12.90401	0.96342	0.91835	0.95744	0.96342	0.89911	0.94687
64	69	15.87527	13.40435	0.96144	0.92125	0.95901	0.96144	0.89876	0.94668	14.64253	12.52973	0.96342	0.92487	0.96097	0.96342	0.90507	0.95017
64	70	15.87527	12.96501	0.96144	0.92808	0.96270	0.96144	0.90511	0.95019	14.64253	12.14706	0.96342	0.93111	0.96432	0.96342	0.91081	0.95332
64	71	15.87527	12.51927	0.96144	0.93454	0.96616	0.96144	0.91118	0.95353	14.64253	11.75658	0.96342	0.93705	0.96750	0.96342	0.91633	0.95634
64	72	15.87527	12.06792	0.96144	0.94064	0.96941	0.96144	0.91699	0.95670	14.64253	11.35893	0.96342	0.94268	0.97049	0.96342	0.92162	0.95921
64	73	15.87527	11.61185	0.96144	0.94636	0.97244	0.96144	0.92251	0.95969	14.64253	10.95491	0.96342	0.94799	0.97330	0.96342	0.92666	0.96194
64	74	15.87527	11.15217	0.96144	0.95170	0.97525	0.96144	0.92776	0.96252	14.64253	10.54549	0.96342	0.95297	0.97592	0.96342	0.93147	0.96452
64	75	15.87527	10.68986	0.96144	0.95666	0.97785	0.96144	0.93272	0.96519	14.64253	10.13154	0.96342	0.95762	0.97835	0.96342	0.93604	0.96696
64	76	15.87527	10.22626	0.96144	0.96125	0.98024	0.96144	0.93741	0.96770	14.64253	9.71428	0.96342	0.96195	0.98060	0.96342	0.94037	0.96927
64	77	15.87527	9.76277	0.96144	0.96547	0.98243	0.96144	0.94183	0.97005	14.64253	9.29502	0.96342	0.96595	0.98268	0.96342	0.94446	0.97144
64	78	15.87527	9.30064	0.96144	0.96933	0.98443	0.96144	0.94599	0.97225	14.64253	8.87492	0.96342	0.96963	0.98458	0.96342	0.94832	0.97348
64	79	15.87527	8.84103	0.96144	0.97285	0.98624	0.96144	0.94990	0.97430	14.64253	8.45509	0.96342	0.97301	0.98632	0.96342	0.95196	0.97539
64	80	15.87527	8.38551	0.96144	0.97605	0.98788	0.96144	0.95355	0.97622	14.64253	8.03703	0.96342	0.97609	0.98790	0.96342	0.95538	0.97718
64	81	15.87527	7.93532	0.96144	0.97895	0.98936	0.96144	0.95697	0.97801	14.64253	7.62196	0.96342	0.97890	0.98934	0.96342	0.95858	0.97885
64	82	15.87527	7.49211	0.96144	0.98155	0.99069	0.96144	0.96017	0.97968	14.64253	7.21152	0.96342	0.98143	0.99063	0.96342	0.96159	0.98042
64	83	15.87527	7.05756	0.96144	0.98388	0.99187	0.96144	0.96315	0.98123	14.64253	6.80735	0.96342	0.98372	0.99179	0.96342	0.96439	0.98187
64	84	15.87527	6.63342	0.96144	0.98596	0.99293	0.96144	0.96592	0.98266	14.64253	6.41122	0.96342	0.98576	0.99283	0.96342	0.96701	0.98323
64	85	15.87527	6.22156	0.96144	0.98780	0.99386	0.96144	0.96849	0.98400	14.64253	6.02503	0.96342	0.98759	0.99376	0.96342	0.96946	0.98449
64	86	15.87527	5.82374	0.96144	0.98943	0.99469	0.96144	0.97088	0.98523	14.64253	5.65055	0.96342	0.98921	0.99457	0.96342	0.97173	0.98566
64	87	15.87527	5.44155	0.96144	0.99086	0.99541	0.96144	0.97309	0.98636	14.64253	5.28949	0.96342	0.99064	0.99530	0.96342	0.97383	0.98674
64	88	15.87527	5.07613	0.96144	0.99211	0.99604	0.96144	0.97514	0.98741	14.64253	4.94306	0.96342	0.99189	0.99593	0.96342	0.97578	0.98774
64	89	15.87527	4.72862	0.96144	0.99320	0.99659	0.96144	0.97702	0.98838	14.64253	4.61250	0.96342	0.99299	0.99648	0.96342	0.97759	0.98867
64	90	15.87527	4.40007	0.96144	0.99415	0.99706	0.96144	0.97876	0.98926	14.64253	4.29901	0.96342	0.99395	0.99696	0.96342	0.97926	0.98952
64	91	15.87527	4.09149	0.96144	0.99496	0.99747	0.96144	0.98036	0.99008	14.64253	4.00370	0.96342	0.99478	0.99738	0.96342	0.98079	0.99030
64	92	15.87527	3.80354	0.96144	0.99566	0.99783	0.96144	0.98182	0.99083	14.64253	3.72738	0.96342	0.99549	0.99774	0.96342	0.98221	0.99102
64	93	15.87527	3.53621	0.96144	0.99627	0.99813	0.96144	0.98317	0.99151	14.64253	3.47020	0.96342	0.99611	0.99805	0.96342	0.98351	0.99168
64	94	15.87527	3.28870	0.96144	0.99678	0.99839	0.96144	0.98441	0.99214	14.64253	3.23152	0.96342	0.99664	0.99831	0.96342	0.98470	0.99229
64	95	15.87527	3.05955	0.96144	0.99722	0.99861	0.96144	0.98554	0.99272	14.64253	3.01004	0.96342	0.99709	0.99854	0.96342	0.98580	0.99285
64	96	15.87527	2.84646	0.96144	0.99760	0.99880	0.96144	0.98658	0.99324	14.64253	2.80360	0.96342	0.99748	0.99874	0.96342	0.98681	0.99336
64	97	15.87527	2.65226	0.96144	0.99792	0.99896	0.96144	0.98752	0.99372	14.64253	2.61510	0.96342	0.99781	0.99890	0.96342	0.98772	0.99382
64	98	15.87527	2.47567	0.96144	0.99819	0.99910	0.96144	0.98838	0.99416	14.64253	2.44340	0.96342	0.99810	0.99905	0.96342	0.98856	0.99425
64	99	15.87527	2.31535	0.96144	0.99842	0.99921	0.96144	0.98917	0.99456	14.64253	2.28724	0.96342	0.99834	0.99917	0.96342	0.98933	0.99464
64	100	15.87527	2.16976	0.96144	0.99862	0.99931	0.96144	0.98989	0.99492	14.64253	2.14523	0.96342	0.99854	0.99927	0.96342	0.99003	0.99499
64	101	15.87527	2.03734	0.96144	0.99879	0.99939	0.96144	0.99054	0.99525	14.64253	2.01587	0.96342	0.99872	0.99936	0.96342	0.99067	0.99531
64	102	15.87527	1.91714	0.96144	0.99893	0.99947	0.96144	0.99114	0.99555	14.64253	1.89830	0.96342	0.99887	0.99943	0.96342	0.99125	0.99561
64	103	15.87527	1.80800	0.96144	0.99905	0.99953	0.96144	0.99168	0.99582	14.64253	1.79140	0.96342	0.99900	0.99950	0.96342	0.99178	0.99587
64	104	15.87527	1.70943	0.96144	0.99916	0.99958	0.96144	0.99217	0.99607	14.64253	1.69474	0.96342	0.99911	0.99955	0.96342	0.99226	0.99612
64	105	15.87527	1.62048	0.96144	0.99925	0.99962	0.96144	0.99261	0.99629	14.64253	1.60741	0.96342	0.99920	0.99960	0.96342	0.99269	0.99633
64	106	15.87527	1.54080	0.96144	0.99932	0.99966	0.96144	0.99300	0.99649	14.64253	1.52911	0.96342	0.99928	0.99964	0.96342	0.99308	0.99653

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
64	107	15.87527	1.47009	0.96144	0.99938	0.99969	0.96144	0.99334	0.99666	14.64253	1.45954	0.96342	0.99934	0.99967	0.96342	0.99341	0.99670
64	108	15.87527	1.40861	0.96144	0.99943	0.99972	0.96144	0.99362	0.99680	14.64253	1.39898	0.96342	0.99940	0.99970	0.96342	0.99369	0.99684
64	109	15.87527	1.35764	0.96144	0.99947	0.99974	0.96144	0.99384	0.99691	14.64253	1.34871	0.96342	0.99944	0.99972	0.96342	0.99391	0.99694
64	110	15.87527	1.32125	0.96144	0.99950	0.99975	0.96144	0.99399	0.99699	14.64253	1.31279	0.96342	0.99947	0.99973	0.96342	0.99405	0.99702
65	1	15.48386	26.72925	0.95822	0.57882	0.73323	0.95822	0.57849	0.73296	14.31375	22.57586	0.96039	0.63351	0.77564	0.96039	0.63320	0.77541
65	2	15.48386	26.68154	0.95822	0.57986	0.73407	0.95822	0.57953	0.73380	14.31375	22.55058	0.96039	0.63422	0.77618	0.96039	0.63392	0.77595
65	3	15.48386	26.63112	0.95822	0.58095	0.73494	0.95822	0.58061	0.73467	14.31375	22.52338	0.96039	0.63498	0.77674	0.96039	0.63467	0.77651
65	4	15.48386	26.57806	0.95822	0.58209	0.73585	0.95822	0.58174	0.73557	14.31375	22.49433	0.96039	0.63578	0.77734	0.96039	0.63546	0.77711
65	5	15.48386	26.52283	0.95822	0.58328	0.73680	0.95822	0.58292	0.73651	14.31375	22.46379	0.96039	0.63662	0.77797	0.96039	0.63629	0.77772
65	6	15.48386	26.46539	0.95822	0.58452	0.73779	0.95822	0.58414	0.73748	14.31375	22.43176	0.96039	0.63750	0.77862	0.96039	0.63715	0.77837
65	7	15.48386	26.40551	0.95822	0.58582	0.73882	0.95822	0.58541	0.73850	14.31375	22.39806	0.96039	0.63842	0.77931	0.96039	0.63806	0.77904
65	8	15.48386	26.34335	0.95822	0.58716	0.73989	0.95822	0.58674	0.73955	14.31375	22.36278	0.96039	0.63939	0.78004	0.96039	0.63901	0.77975
65	9	15.48386	26.27867	0.95822	0.58857	0.74101	0.95822	0.58812	0.74065	14.31375	22.32575	0.96039	0.64041	0.78079	0.96039	0.64000	0.78049
65	10	15.48386	26.21121	0.95822	0.59004	0.74217	0.95822	0.58956	0.74179	14.31375	22.28674	0.96039	0.64148	0.78159	0.96039	0.64105	0.78127
65	11	15.48386	26.14141	0.95822	0.59157	0.74338	0.95822	0.59106	0.74297	14.31375	22.24611	0.96039	0.64260	0.78242	0.96039	0.64214	0.78207
65	12	15.48386	26.06892	0.95822	0.59316	0.74464	0.95822	0.59262	0.74420	14.31375	22.20360	0.96039	0.64377	0.78329	0.96039	0.64328	0.78292
65	13	15.48386	25.99388	0.95822	0.59482	0.74594	0.95822	0.59424	0.74548	14.31375	22.15929	0.96039	0.64500	0.78419	0.96039	0.64448	0.78381
65	14	15.48386	25.91617	0.95822	0.59655	0.74730	0.95822	0.59593	0.74682	14.31375	22.11310	0.96039	0.64628	0.78514	0.96039	0.64573	0.78473
65	15	15.48386	25.83587	0.95822	0.59835	0.74871	0.95822	0.59770	0.74820	14.31375	22.06509	0.96039	0.64763	0.78613	0.96039	0.64704	0.78570
65	16	15.48386	25.75319	0.95822	0.60022	0.75017	0.95822	0.59954	0.74964	14.31375	22.01544	0.96039	0.64903	0.78717	0.96039	0.64842	0.78672
65	17	15.48386	25.66857	0.95822	0.60216	0.75168	0.95822	0.60146	0.75114	14.31375	21.96453	0.96039	0.65050	0.78824	0.96039	0.64986	0.78778
65	18	15.48386	25.58235	0.95822	0.60417	0.75325	0.95822	0.60346	0.75270	14.31375	21.91267	0.96039	0.65202	0.78936	0.96039	0.65138	0.78889
65	19	15.48386	25.49361	0.95822	0.60626	0.75487	0.95822	0.60555	0.75432	14.31375	21.85907	0.96039	0.65361	0.79053	0.96039	0.65297	0.79006
65	20	15.48386	25.40164	0.95822	0.60845	0.75656	0.95822	0.60773	0.75601	14.31375	21.80312	0.96039	0.65528	0.79175	0.96039	0.65464	0.79128
65	21	15.48386	25.30562	0.95822	0.61073	0.75833	0.95822	0.61001	0.75777	14.31375	21.74411	0.96039	0.65704	0.79303	0.96039	0.65639	0.79256
65	22	15.48386	25.20517	0.95822	0.61313	0.76017	0.95822	0.61238	0.75960	14.31375	21.68171	0.96039	0.65889	0.79438	0.96039	0.65823	0.79389
65	23	15.48386	25.09967	0.95822	0.61564	0.76210	0.95822	0.61486	0.76150	14.31375	21.61537	0.96039	0.66085	0.79580	0.96039	0.66016	0.79530
65	24	15.48386	24.98936	0.95822	0.61828	0.76412	0.95822	0.61745	0.76349	14.31375	21.54528	0.96039	0.66291	0.79729	0.96039	0.66218	0.79676
65	25	15.48386	24.87419	0.95822	0.62103	0.76622	0.95822	0.62015	0.76554	14.31375	21.47137	0.96039	0.66509	0.79886	0.96039	0.66430	0.79829
65	26	15.48386	24.75420	0.95822	0.62392	0.76841	0.95822	0.62296	0.76768	14.31375	21.39367	0.96039	0.66737	0.80050	0.96039	0.66652	0.79990
65	27	15.48386	24.62994	0.95822	0.62693	0.77069	0.95822	0.62589	0.76991	14.31375	21.31262	0.96039	0.66976	0.80222	0.96039	0.66885	0.80157
65	28	15.48386	24.50119	0.95822	0.63006	0.77306	0.95822	0.62895	0.77222	14.31375	21.22804	0.96039	0.67227	0.80402	0.96039	0.67128	0.80331
65	29	15.48386	24.36788	0.95822	0.63334	0.77552	0.95822	0.63214	0.77461	14.31375	21.13984	0.96039	0.67489	0.80590	0.96039	0.67383	0.80514
65	30	15.48386	24.23009	0.95822	0.63676	0.77807	0.95822	0.63546	0.77710	14.31375	21.04806	0.96039	0.67765	0.80785	0.96039	0.67650	0.80704
65	31	15.48386	24.08752	0.95822	0.64032	0.78073	0.95822	0.63892	0.77969	14.31375	20.95246	0.96039	0.68053	0.80990	0.96039	0.67930	0.80903
65	32	15.48386	23.94006	0.95822	0.64405	0.78349	0.95822	0.64254	0.78237	14.31375	20.85289	0.96039	0.68355	0.81204	0.96039	0.68223	0.81110
65	33	15.48386	23.78740	0.95822	0.64793	0.78636	0.95822	0.64630	0.78515	14.31375	20.74907	0.96039	0.68672	0.81427	0.96039	0.68529	0.81326
65	34	15.48386	23.62942	0.95822	0.65198	0.78933	0.95822	0.65022	0.78804	14.31375	20.64088	0.96039	0.69004	0.81659	0.96039	0.68849	0.81551
65	35	15.48386	23.46579	0.95822	0.65621	0.79243	0.95822	0.65431	0.79103	14.31375	20.52800	0.96039	0.69351	0.81902	0.96039	0.69185	0.81786
65	36	15.48386	23.29632	0.95822	0.66063	0.79564	0.95822	0.65856	0.79414	14.31375	20.41023	0.96039	0.69715	0.82156	0.96039	0.69535	0.82030
65	37	15.48386	23.12089	0.95822	0.66524	0.79897	0.95822	0.66300	0.79735	14.31375	20.28745	0.96039	0.70097	0.82420	0.96039	0.69901	0.82285

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
65	38	15.48386	22.93911	0.95822	0.67005	0.80243	0.95822	0.66761	0.80068	14.31375	20.15926	0.96039	0.70496	0.82695	0.96039	0.70284	0.82549
65	39	15.48386	22.75087	0.95822	0.67507	0.80602	0.95822	0.67241	0.80412	14.31375	20.02555	0.96039	0.70915	0.82983	0.96039	0.70684	0.82824
65	40	15.48386	22.55572	0.95822	0.68030	0.80974	0.95822	0.67740	0.80768	14.31375	19.88587	0.96039	0.71353	0.83282	0.96039	0.71101	0.83110
65	41	15.48386	22.35340	0.95822	0.68576	0.81359	0.95822	0.68259	0.81136	14.31375	19.73995	0.96039	0.71811	0.83593	0.96039	0.71536	0.83407
65	42	15.48386	22.14385	0.95822	0.69146	0.81759	0.95822	0.68799	0.81516	14.31375	19.58769	0.96039	0.72291	0.83917	0.96039	0.71990	0.83714
65	43	15.48386	21.92669	0.95822	0.69739	0.82172	0.95822	0.69358	0.81907	14.31375	19.42870	0.96039	0.72792	0.84254	0.96039	0.72462	0.84032
65	44	15.48386	21.70178	0.95822	0.70357	0.82599	0.95822	0.69939	0.82311	14.31375	19.26280	0.96039	0.73315	0.84603	0.96039	0.72953	0.84362
65	45	15.48386	21.46876	0.95822	0.70999	0.83041	0.95822	0.70541	0.82726	14.31375	19.08963	0.96039	0.73861	0.84965	0.96039	0.73464	0.84702
65	46	15.48386	21.22763	0.95822	0.71667	0.83496	0.95822	0.71163	0.83153	14.31375	18.90911	0.96039	0.74430	0.85341	0.96039	0.73994	0.85054
65	47	15.48386	20.97813	0.95822	0.72361	0.83964	0.95822	0.71807	0.83590	14.31375	18.72094	0.96039	0.75022	0.85729	0.96039	0.74544	0.85416
65	48	15.48386	20.72003	0.95822	0.73080	0.84446	0.95822	0.72472	0.84039	14.31375	18.52488	0.96039	0.75638	0.86129	0.96039	0.75113	0.85788
65	49	15.48386	20.45326	0.95822	0.73824	0.84941	0.95822	0.73157	0.84498	14.31375	18.32076	0.96039	0.76277	0.86542	0.96039	0.75701	0.86170
65	50	15.48386	20.17742	0.95822	0.74593	0.85448	0.95822	0.73863	0.84967	14.31375	18.10816	0.96039	0.76940	0.86967	0.96039	0.76308	0.86562
65	51	15.48386	19.89339	0.95822	0.75387	0.85966	0.95822	0.74588	0.85444	14.31375	17.88781	0.96039	0.77624	0.87403	0.96039	0.76934	0.86963
65	52	15.48386	19.60122	0.95822	0.76203	0.86494	0.95822	0.75331	0.85930	14.31375	17.65967	0.96039	0.78330	0.87848	0.96039	0.77576	0.87372
65	53	15.48386	19.30125	0.95822	0.77040	0.87031	0.95822	0.76091	0.86423	14.31375	17.42398	0.96039	0.79055	0.88303	0.96039	0.78236	0.87789
65	54	15.48386	18.99375	0.95822	0.77896	0.87575	0.95822	0.76868	0.86921	14.31375	17.18091	0.96039	0.79799	0.88765	0.96039	0.78910	0.88212
65	55	15.48386	18.67912	0.95822	0.78770	0.88124	0.95822	0.77658	0.87424	14.31375	16.93076	0.96039	0.80560	0.89234	0.96039	0.79599	0.88641
65	56	15.48386	18.35803	0.95822	0.79658	0.88677	0.95822	0.78461	0.87931	14.31375	16.67407	0.96039	0.81335	0.89707	0.96039	0.80301	0.89074
65	57	15.48386	18.02853	0.95822	0.80560	0.89233	0.95822	0.79274	0.88439	14.31375	16.40902	0.96039	0.82124	0.90185	0.96039	0.81013	0.89510
65	58	15.48386	17.69065	0.95822	0.81472	0.89790	0.95822	0.80095	0.88948	14.31375	16.13552	0.96039	0.82925	0.90665	0.96039	0.81733	0.89949
65	59	15.48386	17.34441	0.95822	0.82392	0.90346	0.95822	0.80921	0.89455	14.31375	15.85354	0.96039	0.83734	0.91147	0.96039	0.82460	0.90387
65	60	15.48386	16.98967	0.95822	0.83316	0.90899	0.95822	0.81750	0.89959	14.31375	15.56284	0.96039	0.84548	0.91627	0.96039	0.83191	0.90824
65	61	15.48386	16.62627	0.95822	0.84240	0.91446	0.95822	0.82577	0.90457	14.31375	15.26320	0.96039	0.85366	0.92105	0.96039	0.83923	0.91259
65	62	15.48386	16.25423	0.95822	0.85161	0.91986	0.95822	0.83401	0.90950	14.31375	14.95454	0.96039	0.86182	0.92578	0.96039	0.84654	0.91689
65	63	15.48386	15.87341	0.95822	0.86074	0.92516	0.95822	0.84218	0.91433	14.31375	14.63664	0.96039	0.86995	0.93045	0.96039	0.85380	0.92114
65	64	15.48386	15.48353	0.95822	0.86976	0.93034	0.95822	0.85025	0.91907	14.31375	14.30913	0.96039	0.87800	0.93503	0.96039	0.86100	0.92531
65	65	15.48386	15.08480	0.95822	0.87861	0.93539	0.95822	0.85819	0.92368	14.31375	13.97213	0.96039	0.88593	0.93951	0.96039	0.86809	0.92939
65	66	15.48386	14.67724	0.95822	0.88727	0.94027	0.95822	0.86597	0.92817	14.31375	13.62552	0.96039	0.89371	0.94387	0.96039	0.87506	0.93337
65	67	15.48386	14.26104	0.95822	0.89569	0.94498	0.95822	0.87356	0.93251	14.31375	13.26940	0.96039	0.90131	0.94809	0.96039	0.88189	0.93724
65	68	15.48386	13.83657	0.95822	0.90384	0.94949	0.95822	0.88094	0.93670	14.31375	12.90401	0.96039	0.90869	0.95216	0.96039	0.88854	0.94098
65	69	15.48386	13.40435	0.95822	0.91167	0.95380	0.95822	0.88809	0.94073	14.31375	12.52973	0.96039	0.91583	0.95606	0.96039	0.89500	0.94459
65	70	15.48386	12.96501	0.95822	0.91917	0.95788	0.95822	0.89498	0.94458	14.31375	12.14706	0.96039	0.92268	0.95979	0.96039	0.90126	0.94806
65	71	15.48386	12.51927	0.95822	0.92631	0.96175	0.95822	0.90161	0.94826	14.31375	11.75658	0.96039	0.92924	0.96332	0.96039	0.90729	0.95139
65	72	15.48386	12.06792	0.95822	0.93307	0.96538	0.95822	0.90797	0.95176	14.31375	11.35893	0.96039	0.93547	0.96666	0.96039	0.91308	0.95457
65	73	15.48386	11.61185	0.95822	0.93944	0.96877	0.95822	0.91403	0.95509	14.31375	10.95491	0.96039	0.94138	0.96980	0.96039	0.91863	0.95759
65	74	15.48386	11.15217	0.95822	0.94540	0.97193	0.95822	0.91981	0.95823	14.31375	10.54549	0.96039	0.94693	0.97274	0.96039	0.92393	0.96046
65	75	15.48386	10.68986	0.95822	0.95095	0.97486	0.95822	0.92530	0.96120	14.31375	10.13154	0.96039	0.95214	0.97548	0.96039	0.92898	0.96318
65	76	15.48386	10.22626	0.95822	0.95611	0.97756	0.95822	0.93049	0.96399	14.31375	9.71428	0.96039	0.95699	0.97802	0.96039	0.93378	0.96576
65	77	15.48386	9.76277	0.95822	0.96086	0.98004	0.95822	0.93540	0.96662	14.31375	9.29502	0.96039	0.96149	0.98037	0.96039	0.93832	0.96818
65	78	15.48386	9.30064	0.95822	0.96522	0.98230	0.95822	0.94002	0.96908	14.31375	8.87492	0.96039	0.96564	0.98252	0.96039	0.94262	0.97046

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
Retiree	Beneficiary	Retiree Annuity	Beneficiary Annuity Value	Option 1 Factor	Option 2 Factor	Option 3 Factor	Option 4 Factor	Option 5 Factor	Option 6 Factor	Retiree Annuity Value	Beneficiary Annuity Value	Option 1 Factor	Option 2 Factor	Option 3 Factor	Option 4 Factor	Option 5 Factor	Option 6 Factor
65	79	15.48386	8.84103	0.95822	0.96921	0.98436	0.95822	0.94436	0.97139	14.31375	8.45509	0.96039	0.96946	0.98449	0.96039	0.94667	0.97260
65	80	15.48386	8.38551	0.95822	0.97284	0.98623	0.95822	0.94844	0.97354	14.31375	8.03703	0.96039	0.97295	0.98629	0.96039	0.95048	0.97461
65	81	15.48386	7.93532	0.95822	0.97612	0.98791	0.95822	0.95226	0.97554	14.31375	7.62196	0.96039	0.97612	0.98792	0.96039	0.95405	0.97649
65	82	15.48386	7.49211	0.95822	0.97907	0.98943	0.95822	0.95582	0.97741	14.31375	7.21152	0.96039	0.97899	0.98938	0.96039	0.95741	0.97824
65	83	15.48386	7.05756	0.95822	0.98172	0.99078	0.95822	0.95915	0.97915	14.31375	6.80735	0.96039	0.98158	0.99071	0.96039	0.96054	0.97988
65	84	15.48386	6.63342	0.95822	0.98408	0.99198	0.95822	0.96225	0.98076	14.31375	6.41122	0.96039	0.98390	0.99189	0.96039	0.96347	0.98140
65	85	15.48386	6.22156	0.95822	0.98618	0.99304	0.95822	0.96513	0.98225	14.31375	6.02503	0.96039	0.98597	0.99294	0.96039	0.96620	0.98281
65	86	15.48386	5.82374	0.95822	0.98803	0.99398	0.95822	0.96780	0.98363	14.31375	5.65055	0.96039	0.98781	0.99387	0.96039	0.96874	0.98412
65	87	15.48386	5.44155	0.95822	0.98966	0.99480	0.95822	0.97027	0.98491	14.31375	5.28949	0.96039	0.98943	0.99469	0.96039	0.97109	0.98533
65	88	15.48386	5.07613	0.95822	0.99108	0.99552	0.95822	0.97255	0.98608	14.31375	4.94306	0.96039	0.99085	0.99541	0.96039	0.97327	0.98645
65	89	15.48386	4.72862	0.95822	0.99232	0.99614	0.95822	0.97465	0.98716	14.31375	4.61250	0.96039	0.99210	0.99603	0.96039	0.97528	0.98749
65	90	15.48386	4.40007	0.95822	0.99339	0.99668	0.95822	0.97659	0.98815	14.31375	4.29901	0.96039	0.99318	0.99658	0.96039	0.97714	0.98844
65	91	15.48386	4.09149	0.95822	0.99432	0.99715	0.95822	0.97837	0.98906	14.31375	4.00370	0.96039	0.99412	0.99705	0.96039	0.97885	0.98931
65	92	15.48386	3.80354	0.95822	0.99511	0.99755	0.95822	0.98000	0.98990	14.31375	3.72738	0.96039	0.99493	0.99746	0.96039	0.98042	0.99012
65	93	15.48386	3.53621	0.95822	0.99579	0.99789	0.95822	0.98150	0.99066	14.31375	3.47020	0.96039	0.99562	0.99781	0.96039	0.98187	0.99085
65	94	15.48386	3.28870	0.95822	0.99637	0.99818	0.95822	0.98287	0.99136	14.31375	3.23152	0.96039	0.99622	0.99811	0.96039	0.98320	0.99153
65	95	15.48386	3.05955	0.95822	0.99687	0.99843	0.95822	0.98413	0.99200	14.31375	3.01004	0.96039	0.99673	0.99836	0.96039	0.98442	0.99215
65	96	15.48386	2.84646	0.95822	0.99730	0.99865	0.95822	0.98528	0.99258	14.31375	2.80360	0.96039	0.99717	0.99858	0.96039	0.98553	0.99271
65	97	15.48386	2.65226	0.95822	0.99766	0.99883	0.95822	0.98632	0.99311	14.31375	2.61510	0.96039	0.99755	0.99877	0.96039	0.98655	0.99323
65	98	15.48386	2.47567	0.95822	0.99797	0.99898	0.95822	0.98728	0.99360	14.31375	2.44340	0.96039	0.99787	0.99893	0.96039	0.98747	0.99370
65	99	15.48386	2.31535	0.95822	0.99823	0.99911	0.95822	0.98814	0.99404	14.31375	2.28724	0.96039	0.99814	0.99907	0.96039	0.98832	0.99413
65	100	15.48386	2.16976	0.95822	0.99845	0.99923	0.95822	0.98894	0.99444	14.31375	2.14523	0.96039	0.99837	0.99918	0.96039	0.98909	0.99452
65	101	15.48386	2.03734	0.95822	0.99864	0.99932	0.95822	0.98966	0.99480	14.31375	2.01587	0.96039	0.99856	0.99928	0.96039	0.98980	0.99487
65	102	15.48386	1.91714	0.95822	0.99880	0.99940	0.95822	0.99031	0.99513	14.31375	1.89830	0.96039	0.99873	0.99937	0.96039	0.99044	0.99520
65	103	15.48386	1.80800	0.95822	0.99894	0.99947	0.95822	0.99091	0.99543	14.31375	1.79140	0.96039	0.99888	0.99944	0.96039	0.99102	0.99549
65	104	15.48386	1.70943	0.95822	0.99906	0.99953	0.95822	0.99145	0.99571	14.31375	1.69474	0.96039	0.99900	0.99950	0.96039	0.99155	0.99576
65	105	15.48386	1.62048	0.95822	0.99916	0.99958	0.95822	0.99193	0.99595	14.31375	1.60741	0.96039	0.99911	0.99955	0.96039	0.99203	0.99600
65	106	15.48386	1.54080	0.95822	0.99924	0.99962	0.95822	0.99236	0.99617	14.31375	1.52911	0.96039	0.99919	0.99960	0.96039	0.99245	0.99621
65	107	15.48386	1.47009	0.95822	0.99931	0.99966	0.95822	0.99273	0.99635	14.31375	1.45954	0.96039	0.99927	0.99963	0.96039	0.99281	0.99639
65	108	15.48386	1.40861	0.95822	0.99937	0.99968	0.95822	0.99304	0.99651	14.31375	1.39898	0.96039	0.99933	0.99966	0.96039	0.99312	0.99655
65	109	15.48386	1.35764	0.95822	0.99941	0.99971	0.95822	0.99328	0.99663	14.31375	1.34871	0.96039	0.99937	0.99969	0.96039	0.99335	0.99667
65	110	15.48386	1.32125	0.95822	0.99944	0.99972	0.95822	0.99344	0.99671	14.31375	1.31279	0.96039	0.99941	0.99970	0.96039	0.99351	0.99675
66	1	15.08262	26.72925	0.95469	0.56385	0.72111	0.95469	0.56353	0.72084	13.97453	22.57586	0.95695	0.61852	0.76430	0.95695	0.61822	0.76408
66	2	15.08262	26.68154	0.95469	0.56486	0.72193	0.95469	0.56454	0.72167	13.97453	22.55058	0.95695	0.61922	0.76484	0.95695	0.61893	0.76461
66	3	15.08262	26.63112	0.95469	0.56593	0.72280	0.95469	0.56560	0.72253	13.97453	22.52338	0.95695	0.61996	0.76540	0.95695	0.61966	0.76518
66	4	15.08262	26.57806	0.95469	0.56704	0.72371	0.95469	0.56670	0.72343	13.97453	22.49433	0.95695	0.62074	0.76600	0.95695	0.62044	0.76576
66	5	15.08262	26.52283	0.95469	0.56820	0.72465	0.95469	0.56784	0.72436	13.97453	22.46379	0.95695	0.62156	0.76662	0.95695	0.62124	0.76638
66	6	15.08262	26.46539	0.95469	0.56941	0.72563	0.95469	0.56904	0.72533	13.97453	22.43176	0.95695	0.62243	0.76728	0.95695	0.62209	0.76702
66	7	15.08262	26.40551	0.95469	0.57067	0.72666	0.95469	0.57028	0.72634	13.97453	22.39806	0.95695	0.62333	0.76797	0.95695	0.62298	0.76770
66	8	15.08262	26.34335	0.95469	0.57199	0.72772	0.95469	0.57157	0.72739	13.97453	22.36278	0.95695	0.62428	0.76868	0.95695	0.62391	0.76840
66	9	15.08262	26.27867	0.95469	0.57336	0.72883	0.95469	0.57292	0.72848	13.97453	22.32575	0.95695	0.62528	0.76944	0.95695	0.62488	0.76914

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Table with 18 columns: Retiree, Beneficiary, Retiree Annuity, Beneficiary Annuity Value, Option 1 Factor, Option 2 Factor, Option 3 Factor, Option 4 Factor, Option 5 Factor, Option 6 Factor, Retiree Annuity Value, Beneficiary Annuity Value, Option 1 Factor, Option 2 Factor, Option 3 Factor, Option 4 Factor, Option 5 Factor, Option 6 Factor. Rows 66-50 show values for various tiers.

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Table with columns: Retiree Age, Beneficiary Age, Retiree Annuity Value, Beneficiary Annuity Value, Option 1 Factor, Option 2 Factor, Option 3 Factor, Option 4 Factor, Option 5 Factor, Option 6 Factor, Retiree Annuity Value, Beneficiary Annuity Value, Option 1 Factor, Option 2 Factor, Option 3 Factor, Option 4 Factor, Option 5 Factor, Option 6 Factor. Rows include ages 66 through 91.

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS											POST-REFORMED BENEFIT TIERS						
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>	<u>Retiree Annuity Value</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>
67	64	14.67145	15.48353	0.95075	0.84068	0.91345	0.95075	0.82043	0.90136	13.62469	14.30913	0.95305	0.85068	0.91932	0.95305	0.83287	0.90882
67	65	14.67145	15.08480	0.95075	0.85068	0.91932	0.95075	0.82928	0.90668	13.62469	13.97213	0.95305	0.85967	0.92454	0.95305	0.84082	0.91353
67	66	14.67145	14.67724	0.95075	0.86057	0.92506	0.95075	0.83804	0.91188	13.62469	13.62552	0.95305	0.86858	0.92967	0.95305	0.84871	0.91816
67	67	14.67145	14.26104	0.95075	0.87029	0.93064	0.95075	0.84666	0.91697	13.62469	13.26940	0.95305	0.87737	0.93468	0.95305	0.85649	0.92270
67	68	14.67145	13.83657	0.95075	0.87979	0.93605	0.95075	0.85512	0.92190	13.62469	12.90401	0.95305	0.88600	0.93955	0.95305	0.86414	0.92712
67	69	14.67145	13.40435	0.95075	0.88903	0.94126	0.95075	0.86339	0.92668	13.62469	12.52973	0.95305	0.89442	0.94427	0.95305	0.87164	0.93142
67	70	14.67145	12.96501	0.95075	0.89797	0.94624	0.95075	0.87143	0.93130	13.62469	12.14706	0.95305	0.90260	0.94880	0.95305	0.87896	0.93558
67	71	14.67145	12.51927	0.95075	0.90657	0.95099	0.95075	0.87922	0.93573	13.62469	11.75658	0.95305	0.91049	0.95315	0.95305	0.88607	0.93959
67	72	14.67145	12.06792	0.95075	0.91478	0.95550	0.95075	0.88675	0.93998	13.62469	11.35893	0.95305	0.91806	0.95728	0.95305	0.89295	0.94345
67	73	14.67145	11.61185	0.95075	0.92259	0.95974	0.95075	0.89399	0.94403	13.62469	10.95491	0.95305	0.92530	0.96120	0.95305	0.89959	0.94714
67	74	14.67145	11.15217	0.95075	0.92997	0.96371	0.95075	0.90093	0.94789	13.62469	10.54549	0.95305	0.93216	0.96489	0.95305	0.90598	0.95067
67	75	14.67145	10.68986	0.95075	0.93690	0.96742	0.95075	0.90757	0.95154	13.62469	10.13154	0.95305	0.93864	0.96835	0.95305	0.91210	0.95403
67	76	14.67145	10.22626	0.95075	0.94338	0.97086	0.95075	0.91389	0.95501	13.62469	9.71428	0.95305	0.94473	0.97158	0.95305	0.91794	0.95721
67	77	14.67145	9.76277	0.95075	0.94939	0.97404	0.95075	0.91989	0.95827	13.62469	9.29502	0.95305	0.95040	0.97457	0.95305	0.92351	0.96023
67	78	14.67145	9.30064	0.95075	0.95494	0.97695	0.95075	0.92557	0.96134	13.62469	8.87492	0.95305	0.95567	0.97733	0.95305	0.92879	0.96308
67	79	14.67145	8.84103	0.95075	0.96004	0.97961	0.95075	0.93093	0.96423	13.62469	8.45509	0.95305	0.96054	0.97987	0.95305	0.93379	0.96576
67	80	14.67145	8.38551	0.95075	0.96470	0.98203	0.95075	0.93598	0.96693	13.62469	8.03703	0.95305	0.96500	0.98219	0.95305	0.93852	0.96828
67	81	14.67145	7.93532	0.95075	0.96894	0.98422	0.95075	0.94072	0.96946	13.62469	7.62196	0.95305	0.96908	0.98430	0.95305	0.94297	0.97065
67	82	14.67145	7.49211	0.95075	0.97276	0.98619	0.95075	0.94517	0.97181	13.62469	7.21152	0.95305	0.97279	0.98621	0.95305	0.94715	0.97286
67	83	14.67145	7.05756	0.95075	0.97620	0.98796	0.95075	0.94932	0.97400	13.62469	6.80735	0.95305	0.97613	0.98792	0.95305	0.95107	0.97492
67	84	14.67145	6.63342	0.95075	0.97928	0.98953	0.95075	0.95320	0.97604	13.62469	6.41122	0.95305	0.97914	0.98946	0.95305	0.95473	0.97684
67	85	14.67145	6.22156	0.95075	0.98201	0.99092	0.95075	0.95680	0.97792	13.62469	6.02503	0.95305	0.98183	0.99083	0.95305	0.95815	0.97863
67	86	14.67145	5.82374	0.95075	0.98443	0.99215	0.95075	0.96015	0.97967	13.62469	5.65055	0.95305	0.98421	0.99204	0.95305	0.96133	0.98028
67	87	14.67145	5.44155	0.95075	0.98655	0.99323	0.95075	0.96324	0.98128	13.62469	5.28949	0.95305	0.98632	0.99311	0.95305	0.96428	0.98181
67	88	14.67145	5.07613	0.95075	0.98841	0.99417	0.95075	0.96611	0.98276	13.62469	4.94306	0.95305	0.98817	0.99405	0.95305	0.96701	0.98323
67	89	14.67145	4.72862	0.95075	0.99003	0.99499	0.95075	0.96874	0.98412	13.62469	4.61250	0.95305	0.98979	0.99487	0.95305	0.96954	0.98453
67	90	14.67145	4.40007	0.95075	0.99143	0.99570	0.95075	0.97117	0.98537	13.62469	4.29901	0.95305	0.99120	0.99558	0.95305	0.97186	0.98573
67	91	14.67145	4.09149	0.95075	0.99264	0.99630	0.95075	0.97340	0.98652	13.62469	4.00370	0.95305	0.99242	0.99619	0.95305	0.97400	0.98683
67	92	14.67145	3.80354	0.95075	0.99367	0.99683	0.95075	0.97544	0.98757	13.62469	3.72738	0.95305	0.99347	0.99672	0.95305	0.97597	0.98784
67	93	14.67145	3.53621	0.95075	0.99456	0.99727	0.95075	0.97731	0.98853	13.62469	3.47020	0.95305	0.99437	0.99718	0.95305	0.97778	0.98876
67	94	14.67145	3.28870	0.95075	0.99532	0.99765	0.95075	0.97902	0.98940	13.62469	3.23152	0.95305	0.99515	0.99757	0.95305	0.97943	0.98961
67	95	14.67145	3.05955	0.95075	0.99597	0.99798	0.95075	0.98059	0.99020	13.62469	3.01004	0.95305	0.99581	0.99790	0.95305	0.98095	0.99038
67	96	14.67145	2.84646	0.95075	0.99652	0.99826	0.95075	0.98202	0.99093	13.62469	2.80360	0.95305	0.99638	0.99819	0.95305	0.98234	0.99109
67	97	14.67145	2.65226	0.95075	0.99699	0.99849	0.95075	0.98332	0.99159	13.62469	2.61510	0.95305	0.99686	0.99843	0.95305	0.98360	0.99173
67	98	14.67145	2.47567	0.95075	0.99739	0.99869	0.95075	0.98450	0.99219	13.62469	2.44340	0.95305	0.99727	0.99863	0.95305	0.98475	0.99231
67	99	14.67145	2.31535	0.95075	0.99773	0.99886	0.95075	0.98558	0.99274	13.62469	2.28724	0.95305	0.99762	0.99881	0.95305	0.98579	0.99285
67	100	14.67145	2.16976	0.95075	0.99802	0.99901	0.95075	0.98655	0.99323	13.62469	2.14523	0.95305	0.99792	0.99896	0.95305	0.98675	0.99333
67	101	14.67145	2.03734	0.95075	0.99826	0.99913	0.95075	0.98744	0.99368	13.62469	2.01587	0.95305	0.99817	0.99908	0.95305	0.98762	0.99377
67	102	14.67145	1.91714	0.95075	0.99847	0.99923	0.95075	0.98825	0.99409	13.62469	1.89830	0.95305	0.99839	0.99919	0.95305	0.98841	0.99417
67	103	14.67145	1.80800	0.95075	0.99864	0.99932	0.95075	0.98899	0.99446	13.62469	1.79140	0.95305	0.99857	0.99929	0.95305	0.98912	0.99453
67	104	14.67145	1.70943	0.95075	0.99880	0.99940	0.95075	0.98965	0.99480	13.62469	1.69474	0.95305	0.99873	0.99936	0.95305	0.98977	0.99486

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
68	36	14.25082	23.29632	0.94622	0.60890	0.75692	0.94622	0.60709	0.75552	13.26455	20.41023	0.94874	0.64692	0.78561	0.94874	0.64530	0.78441
68	37	14.25082	23.12089	0.94622	0.61325	0.76026	0.94622	0.61128	0.75875	13.26455	20.28745	0.94874	0.65056	0.78829	0.94874	0.64880	0.78699
68	38	14.25082	22.93911	0.94622	0.61779	0.76375	0.94622	0.61566	0.76211	13.26455	20.15926	0.94874	0.65437	0.79108	0.94874	0.65246	0.78968
68	39	14.25082	22.75087	0.94622	0.62255	0.76737	0.94622	0.62022	0.76560	13.26455	20.02555	0.94874	0.65838	0.79400	0.94874	0.65630	0.79249
68	40	14.25082	22.55572	0.94622	0.62752	0.77113	0.94622	0.62497	0.76921	13.26455	19.88587	0.94874	0.66258	0.79705	0.94874	0.66031	0.79541
68	41	14.25082	22.35340	0.94622	0.63272	0.77505	0.94622	0.62993	0.77295	13.26455	19.73995	0.94874	0.66699	0.80023	0.94874	0.66451	0.79844
68	42	14.25082	22.14385	0.94622	0.63816	0.77911	0.94622	0.63509	0.77683	13.26455	19.58769	0.94874	0.67162	0.80355	0.94874	0.66890	0.80160
68	43	14.25082	21.92669	0.94622	0.64384	0.78334	0.94622	0.64047	0.78084	13.26455	19.42870	0.94874	0.67647	0.80702	0.94874	0.67348	0.80489
68	44	14.25082	21.70178	0.94622	0.64978	0.78772	0.94622	0.64607	0.78499	13.26455	19.26280	0.94874	0.68156	0.81063	0.94874	0.67827	0.80830
68	45	14.25082	21.46876	0.94622	0.65599	0.79226	0.94622	0.65190	0.78927	13.26455	19.08963	0.94874	0.68689	0.81439	0.94874	0.68326	0.81183
68	46	14.25082	21.22763	0.94622	0.66247	0.79697	0.94622	0.65795	0.79369	13.26455	18.90911	0.94874	0.69247	0.81830	0.94874	0.68847	0.81550
68	47	14.25082	20.97813	0.94622	0.66923	0.80184	0.94622	0.66424	0.79825	13.26455	18.72094	0.94874	0.69831	0.82236	0.94874	0.69390	0.81929
68	48	14.25082	20.72003	0.94622	0.67628	0.80688	0.94622	0.67077	0.80295	13.26455	18.52488	0.94874	0.70442	0.82658	0.94874	0.69954	0.82321
68	49	14.25082	20.45326	0.94622	0.68362	0.81208	0.94622	0.67754	0.80778	13.26455	18.32076	0.94874	0.71079	0.83095	0.94874	0.70541	0.82726
68	50	14.25082	20.17742	0.94622	0.69126	0.81745	0.94622	0.68455	0.81274	13.26455	18.10816	0.94874	0.71744	0.83548	0.94874	0.71151	0.83144
68	51	14.25082	19.89339	0.94622	0.69919	0.82297	0.94622	0.69180	0.81783	13.26455	17.88781	0.94874	0.72436	0.84015	0.94874	0.71782	0.83574
68	52	14.25082	19.60122	0.94622	0.70741	0.82863	0.94622	0.69929	0.82304	13.26455	17.65967	0.94874	0.73155	0.84497	0.94874	0.72437	0.84015
68	53	14.25082	19.30125	0.94622	0.71591	0.83444	0.94622	0.70701	0.82836	13.26455	17.42398	0.94874	0.73900	0.84991	0.94874	0.73113	0.84469
68	54	14.25082	18.99375	0.94622	0.72469	0.84037	0.94622	0.71497	0.83380	13.26455	17.18091	0.94874	0.74671	0.85499	0.94874	0.73811	0.84933
68	55	14.25082	18.67912	0.94622	0.73374	0.84642	0.94622	0.72314	0.83933	13.26455	16.93076	0.94874	0.75467	0.86018	0.94874	0.74531	0.85407
68	56	14.25082	18.35803	0.94622	0.74303	0.85257	0.94622	0.73153	0.84495	13.26455	16.67407	0.94874	0.76286	0.86548	0.94874	0.75270	0.85890
68	57	14.25082	18.02853	0.94622	0.75257	0.85882	0.94622	0.74011	0.85065	13.26455	16.40902	0.94874	0.77129	0.87088	0.94874	0.76029	0.86382
68	58	14.25082	17.69065	0.94622	0.76235	0.86515	0.94622	0.74888	0.85641	13.26455	16.13552	0.94874	0.77994	0.87637	0.94874	0.76805	0.86881
68	59	14.25082	17.34441	0.94622	0.77233	0.87154	0.94622	0.75780	0.86221	13.26455	15.85354	0.94874	0.78880	0.88193	0.94874	0.77597	0.87386
68	60	14.25082	16.98967	0.94622	0.78250	0.87798	0.94622	0.76685	0.86804	13.26455	15.56284	0.94874	0.79784	0.88755	0.94874	0.78403	0.87894
68	61	14.25082	16.62627	0.94622	0.79282	0.88444	0.94622	0.77602	0.87388	13.26455	15.26320	0.94874	0.80704	0.89321	0.94874	0.79221	0.88406
68	62	14.25082	16.25423	0.94622	0.80326	0.89090	0.94622	0.78526	0.87971	13.26455	14.95454	0.94874	0.81636	0.89890	0.94874	0.80047	0.88918
68	63	14.25082	15.87341	0.94622	0.81377	0.89732	0.94622	0.79454	0.88551	13.26455	14.63664	0.94874	0.82577	0.90457	0.94874	0.80879	0.89429
68	64	14.25082	15.48353	0.94622	0.82432	0.90370	0.94622	0.80384	0.89126	13.26455	14.30913	0.94874	0.83524	0.91023	0.94874	0.81714	0.89937
68	65	14.25082	15.08480	0.94622	0.83485	0.90999	0.94622	0.81312	0.89693	13.26455	13.97213	0.94874	0.84473	0.91583	0.94874	0.82549	0.90441
68	66	14.25082	14.67724	0.94622	0.84532	0.91618	0.94622	0.82233	0.90250	13.26455	13.62552	0.94874	0.85418	0.92136	0.94874	0.83381	0.90937
68	67	14.25082	14.26104	0.94622	0.85567	0.92222	0.94622	0.83145	0.90797	13.26455	13.26940	0.94874	0.86356	0.92678	0.94874	0.84206	0.91426
68	68	14.25082	13.83657	0.94622	0.86585	0.92811	0.94622	0.84043	0.91330	13.26455	12.90401	0.94874	0.87281	0.93209	0.94874	0.85020	0.91904
68	69	14.25082	13.40435	0.94622	0.87582	0.93380	0.94622	0.84925	0.91848	13.26455	12.52973	0.94874	0.88189	0.93724	0.94874	0.85822	0.92370
68	70	14.25082	12.96501	0.94622	0.88550	0.93927	0.94622	0.85787	0.92350	13.26455	12.14706	0.94874	0.89076	0.94222	0.94874	0.86608	0.92823
68	71	14.25082	12.51927	0.94622	0.89487	0.94452	0.94622	0.86626	0.92834	13.26455	11.75658	0.94874	0.89936	0.94701	0.94874	0.87374	0.93262
68	72	14.25082	12.06792	0.94622	0.90387	0.94951	0.94622	0.87440	0.93299	13.26455	11.35893	0.94874	0.90766	0.95160	0.94874	0.88120	0.93685
68	73	14.25082	11.61185	0.94622	0.91246	0.95423	0.94622	0.88226	0.93745	13.26455	10.95491	0.94874	0.91562	0.95595	0.94874	0.88842	0.94091
68	74	14.25082	11.15217	0.94622	0.92063	0.95867	0.94622	0.88983	0.94170	13.26455	10.54549	0.94874	0.92322	0.96008	0.94874	0.89539	0.94481
68	75	14.25082	10.68986	0.94622	0.92834	0.96284	0.94622	0.89709	0.94575	13.26455	10.13154	0.94874	0.93042	0.96396	0.94874	0.90209	0.94852
68	76	14.25082	10.22626	0.94622	0.93557	0.96671	0.94622	0.90402	0.94959	13.26455	9.71428	0.94874	0.93721	0.96759	0.94874	0.90851	0.95206

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
68	77	14.25082	9.76277	0.94622	0.94231	0.97030	0.94622	0.91063	0.95322	13.26455	9.29502	0.94874	0.94356	0.97096	0.94874	0.91465	0.95542
68	78	14.25082	9.30064	0.94622	0.94856	0.97360	0.94622	0.91690	0.95665	13.26455	8.87492	0.94874	0.94949	0.97409	0.94874	0.92049	0.95860
68	79	14.25082	8.84103	0.94622	0.95432	0.97663	0.94622	0.92284	0.95987	13.26455	8.45509	0.94874	0.95497	0.97697	0.94874	0.92603	0.96159
68	80	14.25082	8.38551	0.94622	0.95960	0.97938	0.94622	0.92845	0.96290	13.26455	8.03703	0.94874	0.96003	0.97960	0.94874	0.93128	0.96442
68	81	14.25082	7.93532	0.94622	0.96441	0.98188	0.94622	0.93372	0.96573	13.26455	7.62196	0.94874	0.96465	0.98201	0.94874	0.93623	0.96706
68	82	14.25082	7.49211	0.94622	0.96877	0.98414	0.94622	0.93868	0.96837	13.26455	7.21152	0.94874	0.96887	0.98419	0.94874	0.94089	0.96955
68	83	14.25082	7.05756	0.94622	0.97269	0.98616	0.94622	0.94332	0.97083	13.26455	6.80735	0.94874	0.97268	0.98615	0.94874	0.94527	0.97186
68	84	14.25082	6.63342	0.94622	0.97621	0.98796	0.94622	0.94765	0.97312	13.26455	6.41122	0.94874	0.97611	0.98791	0.94874	0.94937	0.97403
68	85	14.25082	6.22156	0.94622	0.97934	0.98956	0.94622	0.95168	0.97524	13.26455	6.02503	0.94874	0.97918	0.98948	0.94874	0.95319	0.97604
68	86	14.25082	5.82374	0.94622	0.98211	0.99098	0.94622	0.95543	0.97721	13.26455	5.65055	0.94874	0.98191	0.99087	0.94874	0.95675	0.97790
68	87	14.25082	5.44155	0.94622	0.98455	0.99221	0.94622	0.95890	0.97902	13.26455	5.28949	0.94874	0.98432	0.99210	0.94874	0.96006	0.97962
68	88	14.25082	5.07613	0.94622	0.98668	0.99330	0.94622	0.96211	0.98069	13.26455	4.94306	0.94874	0.98645	0.99318	0.94874	0.96313	0.98122
68	89	14.25082	4.72862	0.94622	0.98854	0.99424	0.94622	0.96507	0.98223	13.26455	4.61250	0.94874	0.98830	0.99412	0.94874	0.96596	0.98269
68	90	14.25082	4.40007	0.94622	0.99015	0.99505	0.94622	0.96779	0.98363	13.26455	4.29901	0.94874	0.98992	0.99493	0.94874	0.96857	0.98404
68	91	14.25082	4.09149	0.94622	0.99154	0.99575	0.94622	0.97030	0.98492	13.26455	4.00370	0.94874	0.99132	0.99564	0.94874	0.97098	0.98527
68	92	14.25082	3.80354	0.94622	0.99274	0.99636	0.94622	0.97259	0.98610	13.26455	3.72738	0.94874	0.99252	0.99625	0.94874	0.97319	0.98641
68	93	14.25082	3.53621	0.94622	0.99376	0.99687	0.94622	0.97469	0.98718	13.26455	3.47020	0.94874	0.99356	0.99677	0.94874	0.97521	0.98745
68	94	14.25082	3.28870	0.94622	0.99463	0.99731	0.94622	0.97661	0.98817	13.26455	3.23152	0.94874	0.99444	0.99721	0.94874	0.97707	0.98840
68	95	14.25082	3.05955	0.94622	0.99538	0.99768	0.94622	0.97837	0.98907	13.26455	3.01004	0.94874	0.99521	0.99760	0.94874	0.97877	0.98927
68	96	14.25082	2.84646	0.94622	0.99602	0.99800	0.94622	0.97997	0.98988	13.26455	2.80360	0.94874	0.99586	0.99793	0.94874	0.98033	0.99006
68	97	14.25082	2.65226	0.94622	0.99656	0.99827	0.94622	0.98143	0.99063	13.26455	2.61510	0.94874	0.99641	0.99820	0.94874	0.98174	0.99079
68	98	14.25082	2.47567	0.94622	0.99701	0.99850	0.94622	0.98275	0.99130	13.26455	2.44340	0.94874	0.99688	0.99844	0.94874	0.98303	0.99144
68	99	14.25082	2.31535	0.94622	0.99740	0.99870	0.94622	0.98396	0.99191	13.26455	2.28724	0.94874	0.99728	0.99864	0.94874	0.98420	0.99204
68	100	14.25082	2.16976	0.94622	0.99773	0.99886	0.94622	0.98505	0.99247	13.26455	2.14523	0.94874	0.99762	0.99881	0.94874	0.98527	0.99258
68	101	14.25082	2.03734	0.94622	0.99801	0.99900	0.94622	0.98605	0.99297	13.26455	2.01587	0.94874	0.99791	0.99896	0.94874	0.98624	0.99307
68	102	14.25082	1.91714	0.94622	0.99825	0.99912	0.94622	0.98695	0.99343	13.26455	1.89830	0.94874	0.99816	0.99908	0.94874	0.98712	0.99352
68	103	14.25082	1.80800	0.94622	0.99845	0.99922	0.94622	0.98777	0.99385	13.26455	1.79140	0.94874	0.99837	0.99919	0.94874	0.98792	0.99392
68	104	14.25082	1.70943	0.94622	0.99862	0.99931	0.94622	0.98851	0.99422	13.26455	1.69474	0.94874	0.99855	0.99928	0.94874	0.98865	0.99429
68	105	14.25082	1.62048	0.94622	0.99877	0.99938	0.94622	0.98917	0.99456	13.26455	1.60741	0.94874	0.99870	0.99935	0.94874	0.98930	0.99462
68	106	14.25082	1.54080	0.94622	0.99889	0.99945	0.94622	0.98975	0.99485	13.26455	1.52911	0.94874	0.99883	0.99942	0.94874	0.98987	0.99491
68	107	14.25082	1.47009	0.94622	0.99900	0.99950	0.94622	0.99026	0.99511	13.26455	1.45954	0.94874	0.99894	0.99947	0.94874	0.99037	0.99516
68	108	14.25082	1.40861	0.94622	0.99908	0.99954	0.94622	0.99068	0.99532	13.26455	1.39898	0.94874	0.99903	0.99951	0.94874	0.99078	0.99537
68	109	14.25082	1.35764	0.94622	0.99914	0.99957	0.94622	0.99100	0.99548	13.26455	1.34871	0.94874	0.99910	0.99955	0.94874	0.99110	0.99553
68	110	14.25082	1.32125	0.94622	0.99919	0.99959	0.94622	0.99122	0.99559	13.26455	1.31279	0.94874	0.99914	0.99957	0.94874	0.99132	0.99564
69	1	13.82112	26.72925	0.94127	0.51676	0.68140	0.94127	0.51647	0.68115	12.89436	22.57586	0.94404	0.57079	0.72676	0.94404	0.57052	0.72653
69	2	13.82112	26.68154	0.94127	0.51769	0.68221	0.94127	0.51740	0.68196	12.89436	22.55058	0.94404	0.57144	0.72728	0.94404	0.57117	0.72706
69	3	13.82112	26.63112	0.94127	0.51867	0.68306	0.94127	0.51837	0.68280	12.89436	22.52338	0.94404	0.57212	0.72783	0.94404	0.57185	0.72761
69	4	13.82112	26.57806	0.94127	0.51969	0.68394	0.94127	0.51939	0.68368	12.89436	22.49433	0.94404	0.57285	0.72842	0.94404	0.57257	0.72819
69	5	13.82112	26.52283	0.94127	0.52076	0.68487	0.94127	0.52044	0.68459	12.89436	22.46379	0.94404	0.57361	0.72904	0.94404	0.57332	0.72880
69	6	13.82112	26.46539	0.94127	0.52187	0.68583	0.94127	0.52154	0.68554	12.89436	22.43176	0.94404	0.57441	0.72968	0.94404	0.57410	0.72943
69	7	13.82112	26.40551	0.94127	0.52303	0.68683	0.94127	0.52268	0.68653	12.89436	22.39806	0.94404	0.57525	0.73036	0.94404	0.57492	0.73010

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Retiree		Beneficiary	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity		Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Age	Age	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Factor	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Factor
69	8	13.82112	26.34335	0.94127	0.52424	0.68787	0.94127	0.52387	0.68755	12.89436	22.36278	0.94404	0.57613	0.73107	0.94404	0.57578	0.73079		
69	9	13.82112	26.27867	0.94127	0.52551	0.68896	0.94127	0.52511	0.68862	12.89436	22.32575	0.94404	0.57705	0.73181	0.94404	0.57669	0.73152		
69	10	13.82112	26.21121	0.94127	0.52683	0.69009	0.94127	0.52640	0.68973	12.89436	22.28674	0.94404	0.57803	0.73259	0.94404	0.57763	0.73228		
69	11	13.82112	26.14141	0.94127	0.52820	0.69127	0.94127	0.52775	0.69088	12.89436	22.24611	0.94404	0.57904	0.73341	0.94404	0.57862	0.73307		
69	12	13.82112	26.06892	0.94127	0.52963	0.69250	0.94127	0.52915	0.69208	12.89436	22.20360	0.94404	0.58011	0.73426	0.94404	0.57966	0.73390		
69	13	13.82112	25.99388	0.94127	0.53112	0.69377	0.94127	0.53061	0.69333	12.89436	22.15929	0.94404	0.58122	0.73516	0.94404	0.58074	0.73477		
69	14	13.82112	25.91617	0.94127	0.53267	0.69509	0.94127	0.53213	0.69462	12.89436	22.11310	0.94404	0.58239	0.73609	0.94404	0.58188	0.73568		
69	15	13.82112	25.83587	0.94127	0.53429	0.69647	0.94127	0.53371	0.69597	12.89436	22.06509	0.94404	0.58362	0.73707	0.94404	0.58307	0.73663		
69	16	13.82112	25.75319	0.94127	0.53597	0.69789	0.94127	0.53536	0.69738	12.89436	22.01544	0.94404	0.58489	0.73808	0.94404	0.58432	0.73763		
69	17	13.82112	25.66857	0.94127	0.53771	0.69937	0.94127	0.53709	0.69884	12.89436	21.96453	0.94404	0.58622	0.73914	0.94404	0.58563	0.73867		
69	18	13.82112	25.58235	0.94127	0.53952	0.70089	0.94127	0.53889	0.70036	12.89436	21.91267	0.94404	0.58760	0.74024	0.94404	0.58701	0.73977		
69	19	13.82112	25.49361	0.94127	0.54140	0.70248	0.94127	0.54077	0.70194	12.89436	21.85907	0.94404	0.58904	0.74138	0.94404	0.58846	0.74092		
69	20	13.82112	25.40164	0.94127	0.54336	0.70412	0.94127	0.54273	0.70360	12.89436	21.80312	0.94404	0.59056	0.74258	0.94404	0.58998	0.74212		
69	21	13.82112	25.30562	0.94127	0.54541	0.70585	0.94127	0.54478	0.70532	12.89436	21.74411	0.94404	0.59216	0.74384	0.94404	0.59158	0.74338		
69	22	13.82112	25.20517	0.94127	0.54757	0.70765	0.94127	0.54693	0.70712	12.89436	21.68171	0.94404	0.59385	0.74517	0.94404	0.59326	0.74471		
69	23	13.82112	25.09967	0.94127	0.54984	0.70954	0.94127	0.54917	0.70898	12.89436	21.61537	0.94404	0.59563	0.74658	0.94404	0.59502	0.74610		
69	24	13.82112	24.98936	0.94127	0.55221	0.71152	0.94127	0.55151	0.71093	12.89436	21.54528	0.94404	0.59752	0.74806	0.94404	0.59687	0.74755		
69	25	13.82112	24.87419	0.94127	0.55470	0.71358	0.94127	0.55395	0.71296	12.89436	21.47137	0.94404	0.59950	0.74961	0.94404	0.59881	0.74907		
69	26	13.82112	24.75420	0.94127	0.55731	0.71574	0.94127	0.55650	0.71506	12.89436	21.39367	0.94404	0.60159	0.75124	0.94404	0.60085	0.75066		
69	27	13.82112	24.62994	0.94127	0.56004	0.71798	0.94127	0.55916	0.71726	12.89436	21.31262	0.94404	0.60379	0.75295	0.94404	0.60298	0.75233		
69	28	13.82112	24.50119	0.94127	0.56288	0.72031	0.94127	0.56194	0.71954	12.89436	21.22804	0.94404	0.60609	0.75474	0.94404	0.60522	0.75407		
69	29	13.82112	24.36788	0.94127	0.56586	0.72274	0.94127	0.56484	0.72191	12.89436	21.13984	0.94404	0.60851	0.75661	0.94404	0.60757	0.75589		
69	30	13.82112	24.23009	0.94127	0.56896	0.72527	0.94127	0.56787	0.72438	12.89436	21.04806	0.94404	0.61104	0.75857	0.94404	0.61004	0.75779		
69	31	13.82112	24.08752	0.94127	0.57221	0.72790	0.94127	0.57103	0.72695	12.89436	20.95246	0.94404	0.61370	0.76061	0.94404	0.61262	0.75978		
69	32	13.82112	23.94006	0.94127	0.57560	0.73064	0.94127	0.57433	0.72962	12.89436	20.85289	0.94404	0.61649	0.76275	0.94404	0.61533	0.76186		
69	33	13.82112	23.78740	0.94127	0.57915	0.73349	0.94127	0.57778	0.73240	12.89436	20.74907	0.94404	0.61942	0.76499	0.94404	0.61817	0.76404		
69	34	13.82112	23.62942	0.94127	0.58285	0.73646	0.94127	0.58138	0.73528	12.89436	20.64088	0.94404	0.62249	0.76733	0.94404	0.62115	0.76631		
69	35	13.82112	23.46579	0.94127	0.58673	0.73955	0.94127	0.58514	0.73828	12.89436	20.52800	0.94404	0.62572	0.76978	0.94404	0.62428	0.76868		
69	36	13.82112	23.29632	0.94127	0.59079	0.74276	0.94127	0.58907	0.74140	12.89436	20.41023	0.94404	0.62911	0.77234	0.94404	0.62755	0.77116		
69	37	13.82112	23.12089	0.94127	0.59503	0.74611	0.94127	0.59316	0.74464	12.89436	20.28745	0.94404	0.63267	0.77502	0.94404	0.63099	0.77375		
69	38	13.82112	22.93911	0.94127	0.59947	0.74959	0.94127	0.59744	0.74800	12.89436	20.15926	0.94404	0.63641	0.77782	0.94404	0.63458	0.77645		
69	39	13.82112	22.75087	0.94127	0.60412	0.75321	0.94127	0.60190	0.75149	12.89436	20.02555	0.94404	0.64034	0.78074	0.94404	0.63835	0.77926		
69	40	13.82112	22.55572	0.94127	0.60898	0.75698	0.94127	0.60656	0.75511	12.89436	19.88587	0.94404	0.64447	0.78380	0.94404	0.64229	0.78219		
69	41	13.82112	22.35340	0.94127	0.61408	0.76090	0.94127	0.61142	0.75886	12.89436	19.73995	0.94404	0.64881	0.78700	0.94404	0.64642	0.78524		
69	42	13.82112	22.14385	0.94127	0.61941	0.76498	0.94127	0.61649	0.76275	12.89436	19.58769	0.94404	0.65336	0.79034	0.94404	0.65074	0.78842		
69	43	13.82112	21.92669	0.94127	0.62498	0.76922	0.94127	0.62177	0.76678	12.89436	19.42870	0.94404	0.65814	0.79383	0.94404	0.65526	0.79173		
69	44	13.82112	21.70178	0.94127	0.63082	0.77362	0.94127	0.62727	0.77095	12.89436	19.26280	0.94404	0.66315	0.79746	0.94404	0.65998	0.79517		
69	45	13.82112	21.46876	0.94127	0.63692	0.77819	0.94127	0.63301	0.77526	12.89436	19.08963	0.94404	0.66841	0.80125	0.94404	0.66491	0.79874		
69	46	13.82112	21.22763	0.94127	0.64329	0.78293	0.94127	0.63897	0.77972	12.89436	18.90911	0.94404	0.67393	0.80520	0.94404	0.67006	0.80244		
69	47	13.82112	20.97813	0.94127	0.64996	0.78785	0.94127	0.64518	0.78432	12.89436	18.72094	0.94404	0.67970	0.80931	0.94404	0.67543	0.80628		
69	48	13.82112	20.72003	0.94127	0.65691	0.79294	0.94127	0.65163	0.78907	12.89436	18.52488	0.94404	0.68575	0.81358	0.94404	0.68103	0.81025		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
69	49	13.82112	20.45326	0.94127	0.66417	0.79820	0.94127	0.65832	0.79396	12.89436	18.32076	0.94404	0.69208	0.81802	0.94404	0.68686	0.81436
69	50	13.82112	20.17742	0.94127	0.67174	0.80364	0.94127	0.66527	0.79899	12.89436	18.10816	0.94404	0.69869	0.82262	0.94404	0.69292	0.81861
69	51	13.82112	19.89339	0.94127	0.67961	0.80925	0.94127	0.67247	0.80416	12.89436	17.88781	0.94404	0.70558	0.82738	0.94404	0.69921	0.82298
69	52	13.82112	19.60122	0.94127	0.68779	0.81502	0.94127	0.67992	0.80947	12.89436	17.65967	0.94404	0.71276	0.83229	0.94404	0.70574	0.82749
69	53	13.82112	19.30125	0.94127	0.69627	0.82094	0.94127	0.68763	0.81491	12.89436	17.42398	0.94404	0.72021	0.83735	0.94404	0.71251	0.83213
69	54	13.82112	18.99375	0.94127	0.70505	0.82701	0.94127	0.69558	0.82046	12.89436	17.18091	0.94404	0.72795	0.84256	0.94404	0.71952	0.83688
69	55	13.82112	18.67912	0.94127	0.71411	0.83321	0.94127	0.70378	0.82614	12.89436	16.93076	0.94404	0.73595	0.84789	0.94404	0.72675	0.84176
69	56	13.82112	18.35803	0.94127	0.72345	0.83954	0.94127	0.71221	0.83192	12.89436	16.67407	0.94404	0.74422	0.85335	0.94404	0.73421	0.84674
69	57	13.82112	18.02853	0.94127	0.73308	0.84599	0.94127	0.72087	0.83780	12.89436	16.40902	0.94404	0.75275	0.85894	0.94404	0.74189	0.85182
69	58	13.82112	17.69065	0.94127	0.74298	0.85254	0.94127	0.72974	0.84376	12.89436	16.13552	0.94404	0.76154	0.86463	0.94404	0.74977	0.85699
69	59	13.82112	17.34441	0.94127	0.75313	0.85919	0.94127	0.73880	0.84978	12.89436	15.85354	0.94404	0.77058	0.87042	0.94404	0.75784	0.86224
69	60	13.82112	16.98967	0.94127	0.76351	0.86590	0.94127	0.74803	0.85586	12.89436	15.56284	0.94404	0.77983	0.87630	0.94404	0.76609	0.86755
69	61	13.82112	16.62627	0.94127	0.77410	0.87267	0.94127	0.75741	0.86196	12.89436	15.26320	0.94404	0.78929	0.88224	0.94404	0.77448	0.87291
69	62	13.82112	16.25423	0.94127	0.78485	0.87946	0.94127	0.76691	0.86808	12.89436	14.95454	0.94404	0.79893	0.88823	0.94404	0.78299	0.87829
69	63	13.82112	15.87341	0.94127	0.79574	0.88625	0.94127	0.77650	0.87419	12.89436	14.63664	0.94404	0.80870	0.89424	0.94404	0.79161	0.88369
69	64	13.82112	15.48353	0.94127	0.80672	0.89302	0.94127	0.78614	0.88027	12.89436	14.30913	0.94404	0.81859	0.90024	0.94404	0.80029	0.88907
69	65	13.82112	15.08480	0.94127	0.81775	0.89974	0.94127	0.79580	0.88629	12.89436	13.97213	0.94404	0.82854	0.90623	0.94404	0.80901	0.89443
69	66	13.82112	14.67724	0.94127	0.82877	0.90637	0.94127	0.80544	0.89224	12.89436	13.62552	0.94404	0.83851	0.91216	0.94404	0.81774	0.89973
69	67	13.82112	14.26104	0.94127	0.83973	0.91288	0.94127	0.81503	0.89809	12.89436	13.26940	0.94404	0.84845	0.91801	0.94404	0.82643	0.90497
69	68	13.82112	13.83657	0.94127	0.85058	0.91925	0.94127	0.82452	0.90382	12.89436	12.90401	0.94404	0.85832	0.92376	0.94404	0.83506	0.91012
69	69	13.82112	13.40435	0.94127	0.86124	0.92545	0.94127	0.83388	0.90942	12.89436	12.52973	0.94404	0.86806	0.92937	0.94404	0.84358	0.91516
69	70	13.82112	12.96501	0.94127	0.87168	0.93144	0.94127	0.84307	0.91485	12.89436	12.14706	0.94404	0.87762	0.93482	0.94404	0.85198	0.92007
69	71	13.82112	12.51927	0.94127	0.88183	0.93720	0.94127	0.85206	0.92012	12.89436	11.75658	0.94404	0.88695	0.94009	0.94404	0.86020	0.92485
69	72	13.82112	12.06792	0.94127	0.89164	0.94272	0.94127	0.86082	0.92520	12.89436	11.35893	0.94404	0.89600	0.94515	0.94404	0.86824	0.92947
69	73	13.82112	11.61185	0.94127	0.90106	0.94796	0.94127	0.86931	0.93009	12.89436	10.95491	0.94404	0.90473	0.94998	0.94404	0.87605	0.93393
69	74	13.82112	11.15217	0.94127	0.91006	0.95291	0.94127	0.87752	0.93477	12.89436	10.54549	0.94404	0.91310	0.95457	0.94404	0.88363	0.93822
69	75	13.82112	10.68986	0.94127	0.91860	0.95757	0.94127	0.88543	0.93923	12.89436	10.13154	0.94404	0.92107	0.95891	0.94404	0.89094	0.94232
69	76	13.82112	10.22626	0.94127	0.92665	0.96193	0.94127	0.89301	0.94348	12.89436	9.71428	0.94404	0.92862	0.96299	0.94404	0.89797	0.94624
69	77	13.82112	9.76277	0.94127	0.93418	0.96597	0.94127	0.90026	0.94751	12.89436	9.29502	0.94404	0.93572	0.96679	0.94404	0.90470	0.94997
69	78	13.82112	9.30064	0.94127	0.94120	0.96971	0.94127	0.90716	0.95132	12.89436	8.87492	0.94404	0.94236	0.97033	0.94404	0.91114	0.95350
69	79	13.82112	8.84103	0.94127	0.94770	0.97315	0.94127	0.91372	0.95492	12.89436	8.45509	0.94404	0.94854	0.97359	0.94404	0.91726	0.95685
69	80	13.82112	8.38551	0.94127	0.95367	0.97629	0.94127	0.91993	0.95829	12.89436	8.03703	0.94404	0.95425	0.97659	0.94404	0.92308	0.96000
69	81	13.82112	7.93532	0.94127	0.95913	0.97914	0.94127	0.92579	0.96146	12.89436	7.62196	0.94404	0.95949	0.97933	0.94404	0.92858	0.96297
69	82	13.82112	7.49211	0.94127	0.96410	0.98172	0.94127	0.93130	0.96443	12.89436	7.21152	0.94404	0.96428	0.98182	0.94404	0.93377	0.96575
69	83	13.82112	7.05756	0.94127	0.96858	0.98404	0.94127	0.93647	0.96719	12.89436	6.80735	0.94404	0.96863	0.98406	0.94404	0.93865	0.96835
69	84	13.82112	6.63342	0.94127	0.97260	0.98611	0.94127	0.94130	0.96976	12.89436	6.41122	0.94404	0.97255	0.98608	0.94404	0.94323	0.97078
69	85	13.82112	6.22156	0.94127	0.97619	0.98795	0.94127	0.94582	0.97215	12.89436	6.02503	0.94404	0.97606	0.98788	0.94404	0.94751	0.97305
69	86	13.82112	5.82374	0.94127	0.97937	0.98958	0.94127	0.95001	0.97437	12.89436	5.65055	0.94404	0.97919	0.98948	0.94404	0.95150	0.97515
69	87	13.82112	5.44155	0.94127	0.98218	0.99101	0.94127	0.95390	0.97641	12.89436	5.28949	0.94404	0.98196	0.99090	0.94404	0.95521	0.97709
69	88	13.82112	5.07613	0.94127	0.98463	0.99226	0.94127	0.95751	0.97829	12.89436	4.94306	0.94404	0.98440	0.99214	0.94404	0.95865	0.97889
69	89	13.82112	4.72862	0.94127	0.98678	0.99334	0.94127	0.96083	0.98002	12.89436	4.61250	0.94404	0.98653	0.99322	0.94404	0.96183	0.98054

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
69	90	13.82112	4.40007	0.94127	0.98863	0.99428	0.94127	0.96389	0.98161	12.89436	4.29901	0.94404	0.98839	0.99416	0.94404	0.96476	0.98207
69	91	13.82112	4.09149	0.94127	0.99024	0.99510	0.94127	0.96670	0.98307	12.89436	4.00370	0.94404	0.99000	0.99497	0.94404	0.96747	0.98346
69	92	13.82112	3.80354	0.94127	0.99162	0.99579	0.94127	0.96928	0.98440	12.89436	3.72738	0.94404	0.99139	0.99568	0.94404	0.96995	0.98475
69	93	13.82112	3.53621	0.94127	0.99280	0.99639	0.94127	0.97164	0.98562	12.89436	3.47020	0.94404	0.99258	0.99628	0.94404	0.97223	0.98592
69	94	13.82112	3.28870	0.94127	0.99381	0.99689	0.94127	0.97380	0.98673	12.89436	3.23152	0.94404	0.99361	0.99679	0.94404	0.97432	0.98699
69	95	13.82112	3.05955	0.94127	0.99467	0.99733	0.94127	0.97578	0.98774	12.89436	3.01004	0.94404	0.99448	0.99723	0.94404	0.97623	0.98797
69	96	13.82112	2.84646	0.94127	0.99540	0.99770	0.94127	0.97758	0.98866	12.89436	2.80360	0.94404	0.99523	0.99761	0.94404	0.97798	0.98887
69	97	13.82112	2.65226	0.94127	0.99603	0.99801	0.94127	0.97922	0.98950	12.89436	2.61510	0.94404	0.99587	0.99793	0.94404	0.97957	0.98968
69	98	13.82112	2.47567	0.94127	0.99656	0.99828	0.94127	0.98071	0.99026	12.89436	2.44340	0.94404	0.99642	0.99820	0.94404	0.98102	0.99042
69	99	13.82112	2.31535	0.94127	0.99700	0.99850	0.94127	0.98206	0.99095	12.89436	2.28724	0.94404	0.99688	0.99844	0.94404	0.98233	0.99109
69	100	13.82112	2.16976	0.94127	0.99738	0.99869	0.94127	0.98329	0.99157	12.89436	2.14523	0.94404	0.99727	0.99863	0.94404	0.98353	0.99170
69	101	13.82112	2.03734	0.94127	0.99771	0.99885	0.94127	0.98441	0.99214	12.89436	2.01587	0.94404	0.99760	0.99880	0.94404	0.98462	0.99225
69	102	13.82112	1.91714	0.94127	0.99798	0.99899	0.94127	0.98542	0.99266	12.89436	1.89830	0.94404	0.99789	0.99894	0.94404	0.98561	0.99275
69	103	13.82112	1.80800	0.94127	0.99822	0.99911	0.94127	0.98634	0.99312	12.89436	1.79140	0.94404	0.99813	0.99906	0.94404	0.98651	0.99321
69	104	13.82112	1.70943	0.94127	0.99842	0.99921	0.94127	0.98717	0.99354	12.89436	1.69474	0.94404	0.99834	0.99917	0.94404	0.98732	0.99362
69	105	13.82112	1.62048	0.94127	0.99858	0.99929	0.94127	0.98791	0.99392	12.89436	1.60741	0.94404	0.99851	0.99926	0.94404	0.98805	0.99399
69	106	13.82112	1.54080	0.94127	0.99873	0.99936	0.94127	0.98857	0.99425	12.89436	1.52911	0.94404	0.99866	0.99933	0.94404	0.98870	0.99432
69	107	13.82112	1.47009	0.94127	0.99885	0.99942	0.94127	0.98913	0.99454	12.89436	1.45954	0.94404	0.99879	0.99939	0.94404	0.98926	0.99460
69	108	13.82112	1.40861	0.94127	0.99894	0.99947	0.94127	0.98960	0.99477	12.89436	1.39898	0.94404	0.99889	0.99944	0.94404	0.98972	0.99483
69	109	13.82112	1.35764	0.94127	0.99902	0.99951	0.94127	0.98997	0.99496	12.89436	1.34871	0.94404	0.99896	0.99948	0.94404	0.99007	0.99501
69	110	13.82112	1.32125	0.94127	0.99907	0.99953	0.94127	0.99021	0.99508	12.89436	1.31279	0.94404	0.99902	0.99951	0.94404	0.99032	0.99513
70	1	13.38307	26.72925	0.93590	0.50041	0.66703	0.93590	0.50012	0.66678	12.51466	22.57586	0.93865	0.55401	0.71300	0.93865	0.55374	0.71278
70	2	13.38307	26.68154	0.93590	0.50131	0.66783	0.93590	0.50103	0.66758	12.51466	22.55058	0.93865	0.55463	0.71352	0.93865	0.55437	0.71331
70	3	13.38307	26.63112	0.93590	0.50225	0.66867	0.93590	0.50197	0.66842	12.51466	22.52338	0.93865	0.55530	0.71408	0.93865	0.55504	0.71386
70	4	13.38307	26.57806	0.93590	0.50324	0.66954	0.93590	0.50295	0.66929	12.51466	22.49433	0.93865	0.55601	0.71466	0.93865	0.55573	0.71443
70	5	13.38307	26.52283	0.93590	0.50428	0.67046	0.93590	0.50398	0.67019	12.51466	22.46379	0.93865	0.55675	0.71527	0.93865	0.55646	0.71503
70	6	13.38307	26.46539	0.93590	0.50536	0.67141	0.93590	0.50504	0.67113	12.51466	22.43176	0.93865	0.55752	0.71591	0.93865	0.55723	0.71566
70	7	13.38307	26.40551	0.93590	0.50648	0.67241	0.93590	0.50615	0.67211	12.51466	22.39806	0.93865	0.55834	0.71658	0.93865	0.55803	0.71632
70	8	13.38307	26.34335	0.93590	0.50766	0.67344	0.93590	0.50730	0.67312	12.51466	22.36278	0.93865	0.55920	0.71729	0.93865	0.55886	0.71701
70	9	13.38307	26.27867	0.93590	0.50888	0.67452	0.93590	0.50850	0.67418	12.51466	22.32575	0.93865	0.56010	0.71803	0.93865	0.55974	0.71774
70	10	13.38307	26.21121	0.93590	0.51016	0.67564	0.93590	0.50975	0.67528	12.51466	22.28674	0.93865	0.56104	0.71880	0.93865	0.56066	0.71849
70	11	13.38307	26.14141	0.93590	0.51149	0.67680	0.93590	0.51106	0.67642	12.51466	22.24611	0.93865	0.56203	0.71961	0.93865	0.56162	0.71928
70	12	13.38307	26.06892	0.93590	0.51288	0.67802	0.93590	0.51241	0.67761	12.51466	22.20360	0.93865	0.56307	0.72046	0.93865	0.56263	0.72010
70	13	13.38307	25.99388	0.93590	0.51433	0.67928	0.93590	0.51383	0.67885	12.51466	22.15929	0.93865	0.56415	0.72135	0.93865	0.56368	0.72097
70	14	13.38307	25.91617	0.93590	0.51583	0.68059	0.93590	0.51530	0.68013	12.51466	22.11310	0.93865	0.56529	0.72228	0.93865	0.56479	0.72187
70	15	13.38307	25.83587	0.93590	0.51740	0.68196	0.93590	0.51684	0.68147	12.51466	22.06509	0.93865	0.56648	0.72325	0.93865	0.56595	0.72282
70	16	13.38307	25.75319	0.93590	0.51903	0.68337	0.93590	0.51844	0.68286	12.51466	22.01544	0.93865	0.56772	0.72426	0.93865	0.56716	0.72381
70	17	13.38307	25.66857	0.93590	0.52072	0.68483	0.93590	0.52011	0.68431	12.51466	21.96453	0.93865	0.56901	0.72531	0.93865	0.56844	0.72485
70	18	13.38307	25.58235	0.93590	0.52247	0.68634	0.93590	0.52186	0.68582	12.51466	21.91267	0.93865	0.57035	0.72640	0.93865	0.56978	0.72593
70	19	13.38307	25.49361	0.93590	0.52429	0.68791	0.93590	0.52368	0.68739	12.51466	21.85907	0.93865	0.57175	0.72754	0.93865	0.57118	0.72707
70	20	13.38307	25.40164	0.93590	0.52619	0.68955	0.93590	0.52559	0.68903	12.51466	21.80312	0.93865	0.57323	0.72873	0.93865	0.57266	0.72827

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
70	62	13.38307	16.25423	0.93590	0.76535	0.86708	0.93590	0.74756	0.85555		12.51466	14.95454	0.93865	0.78038	0.87665	0.93865	0.76449	0.86653	
70	63	13.38307	15.87341	0.93590	0.77656	0.87423	0.93590	0.75741	0.86196		12.51466	14.63664	0.93865	0.79047	0.88298	0.93865	0.77336	0.87220	
70	64	13.38307	15.48353	0.93590	0.78792	0.88138	0.93590	0.76735	0.86836		12.51466	14.30913	0.93865	0.80072	0.88934	0.93865	0.78234	0.87788	
70	65	13.38307	15.08480	0.93590	0.79939	0.88851	0.93590	0.77736	0.87473		12.51466	13.97213	0.93865	0.81110	0.89570	0.93865	0.79140	0.88355	
70	66	13.38307	14.67724	0.93590	0.81092	0.89559	0.93590	0.78739	0.88105		12.51466	13.62552	0.93865	0.82155	0.90203	0.93865	0.80050	0.88920	
70	67	13.38307	14.26104	0.93590	0.82245	0.90258	0.93590	0.79741	0.88729		12.51466	13.26940	0.93865	0.83203	0.90832	0.93865	0.80961	0.89479	
70	68	13.38307	13.83657	0.93590	0.83393	0.90944	0.93590	0.80738	0.89343		12.51466	12.90401	0.93865	0.84250	0.91452	0.93865	0.81869	0.90031	
70	69	13.38307	13.40435	0.93590	0.84529	0.91616	0.93590	0.81726	0.89944		12.51466	12.52973	0.93865	0.85288	0.92060	0.93865	0.82771	0.90573	
70	70	13.38307	12.96501	0.93590	0.85646	0.92268	0.93590	0.82700	0.90531		12.51466	12.14706	0.93865	0.86313	0.92654	0.93865	0.83663	0.91105	
70	71	13.38307	12.51927	0.93590	0.86740	0.92899	0.93590	0.83658	0.91102		12.51466	11.75658	0.93865	0.87319	0.93230	0.93865	0.84541	0.91623	
70	72	13.38307	12.06792	0.93590	0.87803	0.93506	0.93590	0.84595	0.91655		12.51466	11.35893	0.93865	0.88301	0.93787	0.93865	0.85403	0.92127	
70	73	13.38307	11.61185	0.93590	0.88831	0.94085	0.93590	0.85509	0.92188		12.51466	10.95491	0.93865	0.89253	0.94321	0.93865	0.86244	0.92614	
70	74	13.38307	11.15217	0.93590	0.89817	0.94636	0.93590	0.86395	0.92701		12.51466	10.54549	0.93865	0.90170	0.94831	0.93865	0.87063	0.93084	
70	75	13.38307	10.68986	0.93590	0.90759	0.95155	0.93590	0.87252	0.93192		12.51466	10.13154	0.93865	0.91049	0.95315	0.93865	0.87857	0.93536	
70	76	13.38307	10.22626	0.93590	0.91651	0.95644	0.93590	0.88078	0.93661		12.51466	9.71428	0.93865	0.91886	0.95771	0.93865	0.88623	0.93969	
70	77	13.38307	9.76277	0.93590	0.92491	0.96099	0.93590	0.88870	0.94107		12.51466	9.29502	0.93865	0.92676	0.96199	0.93865	0.89360	0.94381	
70	78	13.38307	9.30064	0.93590	0.93276	0.96521	0.93590	0.89628	0.94530		12.51466	8.87492	0.93865	0.93419	0.96598	0.93865	0.90067	0.94774	
70	79	13.38307	8.84103	0.93590	0.94007	0.96911	0.93590	0.90349	0.94930		12.51466	8.45509	0.93865	0.94113	0.96967	0.93865	0.90742	0.95146	
70	80	13.38307	8.38551	0.93590	0.94681	0.97268	0.93590	0.91034	0.95307		12.51466	8.03703	0.93865	0.94757	0.97308	0.93865	0.91384	0.95498	
70	81	13.38307	7.93532	0.93590	0.95300	0.97594	0.93590	0.91683	0.95661		12.51466	7.62196	0.93865	0.95350	0.97620	0.93865	0.91994	0.95830	
70	82	13.38307	7.49211	0.93590	0.95865	0.97889	0.93590	0.92294	0.95993		12.51466	7.21152	0.93865	0.95894	0.97904	0.93865	0.92570	0.96142	
70	83	13.38307	7.05756	0.93590	0.96376	0.98155	0.93590	0.92869	0.96303		12.51466	6.80735	0.93865	0.96389	0.98161	0.93865	0.93113	0.96434	
70	84	13.38307	6.63342	0.93590	0.96836	0.98393	0.93590	0.93409	0.96592		12.51466	6.41122	0.93865	0.96837	0.98393	0.93865	0.93624	0.96707	
70	85	13.38307	6.22156	0.93590	0.97248	0.98605	0.93590	0.93913	0.96861		12.51466	6.02503	0.93865	0.97239	0.98600	0.93865	0.94102	0.96961	
70	86	13.38307	5.82374	0.93590	0.97614	0.98792	0.93590	0.94382	0.97110		12.51466	5.65055	0.93865	0.97598	0.98784	0.93865	0.94549	0.97198	
70	87	13.38307	5.44155	0.93590	0.97937	0.98957	0.93590	0.94818	0.97340		12.51466	5.28949	0.93865	0.97916	0.98947	0.93865	0.94964	0.97417	
70	88	13.38307	5.07613	0.93590	0.98220	0.99102	0.93590	0.95222	0.97553		12.51466	4.94306	0.93865	0.98197	0.99090	0.93865	0.95350	0.97620	
70	89	13.38307	4.72862	0.93590	0.98468	0.99228	0.93590	0.95595	0.97748		12.51466	4.61250	0.93865	0.98443	0.99215	0.93865	0.95708	0.97807	
70	90	13.38307	4.40007	0.93590	0.98682	0.99337	0.93590	0.95939	0.97927		12.51466	4.29901	0.93865	0.98657	0.99324	0.93865	0.96038	0.97979	
70	91	13.38307	4.09149	0.93590	0.98868	0.99431	0.93590	0.96255	0.98092		12.51466	4.00370	0.93865	0.98843	0.99418	0.93865	0.96341	0.98137	
70	92	13.38307	3.80354	0.93590	0.99028	0.99511	0.93590	0.96545	0.98242		12.51466	3.72738	0.93865	0.99004	0.99499	0.93865	0.96621	0.98281	
70	93	13.38307	3.53621	0.93590	0.99165	0.99581	0.93590	0.96811	0.98380		12.51466	3.47020	0.93865	0.99142	0.99569	0.93865	0.96878	0.98414	
70	94	13.38307	3.28870	0.93590	0.99281	0.99639	0.93590	0.97055	0.98505		12.51466	3.23152	0.93865	0.99260	0.99629	0.93865	0.97113	0.98535	
70	95	13.38307	3.05955	0.93590	0.99381	0.99690	0.93590	0.97278	0.98620		12.51466	3.01004	0.93865	0.99362	0.99680	0.93865	0.97328	0.98646	
70	96	13.38307	2.84646	0.93590	0.99467	0.99733	0.93590	0.97480	0.98724		12.51466	2.80360	0.93865	0.99449	0.99724	0.93865	0.97525	0.98747	
70	97	13.38307	2.65226	0.93590	0.99539	0.99769	0.93590	0.97665	0.98819		12.51466	2.61510	0.93865	0.99523	0.99761	0.93865	0.97704	0.98839	
70	98	13.38307	2.47567	0.93590	0.99601	0.99800	0.93590	0.97833	0.98904		12.51466	2.44340	0.93865	0.99585	0.99792	0.93865	0.97867	0.98922	
70	99	13.38307	2.31535	0.93590	0.99653	0.99826	0.93590	0.97985	0.98982		12.51466	2.28724	0.93865	0.99639	0.99819	0.93865	0.98016	0.98998	
70	100	13.38307	2.16976	0.93590	0.99697	0.99848	0.93590	0.98123	0.99053		12.51466	2.14523	0.93865	0.99684	0.99842	0.93865	0.98151	0.99067	
70	101	13.38307	2.03734	0.93590	0.99734	0.99867	0.93590	0.98249	0.99117		12.51466	2.01587	0.93865	0.99723	0.99861	0.93865	0.98274	0.99129	
70	102	13.38307	1.91714	0.93590	0.99766	0.99883	0.93590	0.98363	0.99175		12.51466	1.89830	0.93865	0.99756	0.99878	0.93865	0.98385	0.99186	

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
71	34	12.93734	23.62942	0.92979	0.54592	0.70627	0.92979	0.54459	0.70516	12.12602	20.64088	0.93270	0.58574	0.73876	0.93270	0.58451	0.73778
71	35	12.93734	23.46579	0.92979	0.54958	0.70933	0.92979	0.54815	0.70814	12.12602	20.52800	0.93270	0.58881	0.74120	0.93270	0.58749	0.74015
71	36	12.93734	23.29632	0.92979	0.55342	0.71252	0.92979	0.55188	0.71124	12.12602	20.41023	0.93270	0.59204	0.74375	0.93270	0.59062	0.74263
71	37	12.93734	23.12089	0.92979	0.55744	0.71584	0.92979	0.55577	0.71446	12.12602	20.28745	0.93270	0.59544	0.74643	0.93270	0.59390	0.74522
71	38	12.93734	22.93911	0.92979	0.56165	0.71931	0.92979	0.55983	0.71781	12.12602	20.15926	0.93270	0.59901	0.74923	0.93270	0.59734	0.74792
71	39	12.93734	22.75087	0.92979	0.56607	0.72291	0.92979	0.56408	0.72130	12.12602	20.02555	0.93270	0.60277	0.75216	0.93270	0.60095	0.75074
71	40	12.93734	22.55572	0.92979	0.57069	0.72667	0.92979	0.56852	0.72491	12.12602	19.88587	0.93270	0.60672	0.75523	0.93270	0.60473	0.75369
71	41	12.93734	22.35340	0.92979	0.57554	0.73059	0.92979	0.57316	0.72867	12.12602	19.73995	0.93270	0.61087	0.75844	0.93270	0.60870	0.75676
71	42	12.93734	22.14385	0.92979	0.58062	0.73467	0.92979	0.57800	0.73257	12.12602	19.58769	0.93270	0.61524	0.76180	0.93270	0.61286	0.75996
71	43	12.93734	21.92669	0.92979	0.58594	0.73892	0.92979	0.58306	0.73662	12.12602	19.42870	0.93270	0.61984	0.76531	0.93270	0.61721	0.76330
71	44	12.93734	21.70178	0.92979	0.59152	0.74334	0.92979	0.58833	0.74082	12.12602	19.26280	0.93270	0.62467	0.76898	0.93270	0.62177	0.76678
71	45	12.93734	21.46876	0.92979	0.59737	0.74794	0.92979	0.59384	0.74517	12.12602	19.08963	0.93270	0.62975	0.77282	0.93270	0.62654	0.77039
71	46	12.93734	21.22763	0.92979	0.60350	0.75273	0.92979	0.59958	0.74968	12.12602	18.90911	0.93270	0.63509	0.77682	0.93270	0.63153	0.77416
71	47	12.93734	20.97813	0.92979	0.60991	0.75770	0.92979	0.60557	0.75434	12.12602	18.72094	0.93270	0.64069	0.78100	0.93270	0.63674	0.77806
71	48	12.93734	20.72003	0.92979	0.61663	0.76286	0.92979	0.61181	0.75916	12.12602	18.52488	0.93270	0.64657	0.78536	0.93270	0.64220	0.78212
71	49	12.93734	20.45326	0.92979	0.62366	0.76822	0.92979	0.61831	0.76414	12.12602	18.32076	0.93270	0.65274	0.78989	0.93270	0.64789	0.78632
71	50	12.93734	20.17742	0.92979	0.63101	0.77377	0.92979	0.62507	0.76928	12.12602	18.10816	0.93270	0.65921	0.79461	0.93270	0.65382	0.79068
71	51	12.93734	19.89339	0.92979	0.63869	0.77951	0.92979	0.63210	0.77458	12.12602	17.88781	0.93270	0.66598	0.79951	0.93270	0.66001	0.79519
71	52	12.93734	19.60122	0.92979	0.64669	0.78544	0.92979	0.63940	0.78004	12.12602	17.65967	0.93270	0.67306	0.80458	0.93270	0.66646	0.79985
71	53	12.93734	19.30125	0.92979	0.65502	0.79155	0.92979	0.64698	0.78565	12.12602	17.42398	0.93270	0.68044	0.80983	0.93270	0.67316	0.80466
71	54	12.93734	18.99375	0.92979	0.66368	0.79785	0.92979	0.65484	0.79142	12.12602	17.18091	0.93270	0.68813	0.81526	0.93270	0.68013	0.80961
71	55	12.93734	18.67912	0.92979	0.67267	0.80431	0.92979	0.66297	0.79733	12.12602	16.93076	0.93270	0.69613	0.82084	0.93270	0.68736	0.81471
71	56	12.93734	18.35803	0.92979	0.68199	0.81093	0.92979	0.67139	0.80339	12.12602	16.67407	0.93270	0.70442	0.82658	0.93270	0.69485	0.81996
71	57	12.93734	18.02853	0.92979	0.69165	0.81772	0.92979	0.68008	0.80958	12.12602	16.40902	0.93270	0.71305	0.83249	0.93270	0.70261	0.82533
71	58	12.93734	17.69065	0.92979	0.70165	0.82467	0.92979	0.68904	0.81589	12.12602	16.13552	0.93270	0.72199	0.83855	0.93270	0.71062	0.83083
71	59	12.93734	17.34441	0.92979	0.71198	0.83176	0.92979	0.69825	0.82232	12.12602	15.85354	0.93270	0.73124	0.84476	0.93270	0.71888	0.83645
71	60	12.93734	16.98967	0.92979	0.72262	0.83898	0.92979	0.70771	0.82884	12.12602	15.56284	0.93270	0.74080	0.85110	0.93270	0.72737	0.84217
71	61	12.93734	16.62627	0.92979	0.73357	0.84631	0.92979	0.71738	0.83544	12.12602	15.26320	0.93270	0.75064	0.85756	0.93270	0.73608	0.84798
71	62	12.93734	16.25423	0.92979	0.74479	0.85373	0.92979	0.72726	0.84210	12.12602	14.95454	0.93270	0.76075	0.86412	0.93270	0.74499	0.85386
71	63	12.93734	15.87341	0.92979	0.75626	0.86121	0.92979	0.73731	0.84880	12.12602	14.63664	0.93270	0.77110	0.87076	0.93270	0.75407	0.85980
71	64	12.93734	15.48353	0.92979	0.76794	0.86874	0.92979	0.74751	0.85551	12.12602	14.30913	0.93270	0.78167	0.87746	0.93270	0.76331	0.86577
71	65	12.93734	15.08480	0.92979	0.77980	0.87628	0.92979	0.75781	0.86222	12.12602	13.97213	0.93270	0.79243	0.88419	0.93270	0.77266	0.87175
71	66	12.93734	14.67724	0.92979	0.79178	0.88379	0.92979	0.76819	0.86890	12.12602	13.62552	0.93270	0.80331	0.89093	0.93270	0.78210	0.87773
71	67	12.93734	14.26104	0.92979	0.80383	0.89125	0.92979	0.77861	0.87553	12.12602	13.26940	0.93270	0.81430	0.89764	0.93270	0.79160	0.88368
71	68	12.93734	13.83657	0.92979	0.81590	0.89862	0.92979	0.78902	0.88207	12.12602	12.90401	0.93270	0.82532	0.90430	0.93270	0.80110	0.88957
71	69	12.93734	13.40435	0.92979	0.82791	0.90586	0.92979	0.79939	0.88851	12.12602	12.52973	0.93270	0.83632	0.91086	0.93270	0.81059	0.89539
71	70	12.93734	12.96501	0.92979	0.83981	0.91293	0.92979	0.80966	0.89482	12.12602	12.14706	0.93270	0.84724	0.91730	0.93270	0.82001	0.90111
71	71	12.93734	12.51927	0.92979	0.85152	0.91981	0.92979	0.81981	0.90098	12.12602	11.75658	0.93270	0.85803	0.92359	0.93270	0.82934	0.90671
71	72	12.93734	12.06792	0.92979	0.86298	0.92645	0.92979	0.82978	0.90697	12.12602	11.35893	0.93270	0.86861	0.92969	0.93270	0.83852	0.91217
71	73	12.93734	11.61185	0.92979	0.87412	0.93283	0.92979	0.83955	0.91278	12.12602	10.95491	0.93270	0.87894	0.93557	0.93270	0.84754	0.91748
71	74	12.93734	11.15217	0.92979	0.88487	0.93892	0.92979	0.84907	0.91838	12.12602	10.54549	0.93270	0.88895	0.94121	0.93270	0.85635	0.92262

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
71	75	12.93734	10.68986	0.92979	0.89520	0.94470	0.92979	0.85832	0.92376	12.12602	10.13154	0.93270	0.89859	0.94659	0.93270	0.86493	0.92757
71	76	12.93734	10.22626	0.92979	0.90504	0.95016	0.92979	0.86727	0.92892	12.12602	9.71428	0.93270	0.90782	0.95168	0.93270	0.87325	0.93233
71	77	12.93734	9.76277	0.92979	0.91436	0.95527	0.92979	0.87589	0.93384	12.12602	9.29502	0.93270	0.91659	0.95648	0.93270	0.88128	0.93689
71	78	12.93734	9.30064	0.92979	0.92312	0.96003	0.92979	0.88416	0.93852	12.12602	8.87492	0.93270	0.92487	0.96097	0.93270	0.88900	0.94124
71	79	12.93734	8.84103	0.92979	0.93131	0.96443	0.92979	0.89207	0.94296	12.12602	8.45509	0.93270	0.93264	0.96514	0.93270	0.89641	0.94538
71	80	12.93734	8.38551	0.92979	0.93890	0.96849	0.92979	0.89961	0.94715	12.12602	8.03703	0.93270	0.93988	0.96901	0.93270	0.90348	0.94929
71	81	12.93734	7.93532	0.92979	0.94590	0.97220	0.92979	0.90676	0.95110	12.12602	7.62196	0.93270	0.94658	0.97256	0.93270	0.91021	0.95300
71	82	12.93734	7.49211	0.92979	0.95231	0.97557	0.92979	0.91353	0.95481	12.12602	7.21152	0.93270	0.95274	0.97580	0.93270	0.91660	0.95648
71	83	12.93734	7.05756	0.92979	0.95814	0.97862	0.92979	0.91991	0.95828	12.12602	6.80735	0.93270	0.95837	0.97874	0.93270	0.92263	0.95976
71	84	12.93734	6.63342	0.92979	0.96340	0.98136	0.92979	0.92591	0.96153	12.12602	6.41122	0.93270	0.96348	0.98140	0.93270	0.92831	0.96282
71	85	12.93734	6.22156	0.92979	0.96812	0.98380	0.92979	0.93153	0.96455	12.12602	6.02503	0.93270	0.96808	0.98378	0.93270	0.93365	0.96568
71	86	12.93734	5.82374	0.92979	0.97232	0.98597	0.92979	0.93677	0.96735	12.12602	5.65055	0.93270	0.97220	0.98590	0.93270	0.93864	0.96835
71	87	12.93734	5.44155	0.92979	0.97604	0.98788	0.92979	0.94165	0.96995	12.12602	5.28949	0.93270	0.97586	0.98778	0.93270	0.94329	0.97082
71	88	12.93734	5.07613	0.92979	0.97932	0.98955	0.92979	0.94618	0.97234	12.12602	4.94306	0.93270	0.97909	0.98944	0.93270	0.94762	0.97310
71	89	12.93734	4.72862	0.92979	0.98218	0.99101	0.92979	0.95036	0.97455	12.12602	4.61250	0.93270	0.98193	0.99088	0.93270	0.95163	0.97521
71	90	12.93734	4.40007	0.92979	0.98467	0.99228	0.92979	0.95423	0.97658	12.12602	4.29901	0.93270	0.98441	0.99214	0.93270	0.95533	0.97716
71	91	12.93734	4.09149	0.92979	0.98682	0.99337	0.92979	0.95778	0.97844	12.12602	4.00370	0.93270	0.98656	0.99324	0.93270	0.95875	0.97894
71	92	12.93734	3.80354	0.92979	0.98868	0.99431	0.92979	0.96105	0.98014	12.12602	3.72738	0.93270	0.98842	0.99418	0.93270	0.96190	0.98058
71	93	12.93734	3.53621	0.92979	0.99027	0.99511	0.92979	0.96404	0.98169	12.12602	3.47020	0.93270	0.99002	0.99499	0.93270	0.96479	0.98208
71	94	12.93734	3.28870	0.92979	0.99163	0.99580	0.92979	0.96679	0.98311	12.12602	3.23152	0.93270	0.99140	0.99568	0.93270	0.96744	0.98345
71	95	12.93734	3.05955	0.92979	0.99279	0.99638	0.92979	0.96930	0.98441	12.12602	3.01004	0.93270	0.99258	0.99627	0.93270	0.96987	0.98471
71	96	12.93734	2.84646	0.92979	0.99379	0.99688	0.92979	0.97159	0.98559	12.12602	2.80360	0.93270	0.99359	0.99678	0.93270	0.97209	0.98585
71	97	12.93734	2.65226	0.92979	0.99463	0.99731	0.92979	0.97367	0.98666	12.12602	2.61510	0.93270	0.99445	0.99722	0.93270	0.97411	0.98689
71	98	12.93734	2.47567	0.92979	0.99535	0.99767	0.92979	0.97556	0.98763	12.12602	2.44340	0.93270	0.99518	0.99758	0.93270	0.97595	0.98783
71	99	12.93734	2.31535	0.92979	0.99595	0.99797	0.92979	0.97728	0.98851	12.12602	2.28724	0.93270	0.99580	0.99789	0.93270	0.97763	0.98869
71	100	12.93734	2.16976	0.92979	0.99646	0.99823	0.92979	0.97884	0.98931	12.12602	2.14523	0.93270	0.99633	0.99816	0.93270	0.97915	0.98947
71	101	12.93734	2.03734	0.92979	0.99690	0.99845	0.92979	0.98027	0.99003	12.12602	2.01587	0.93270	0.99678	0.99839	0.93270	0.98054	0.99017
71	102	12.93734	1.91714	0.92979	0.99727	0.99864	0.92979	0.98156	0.99069	12.12602	1.89830	0.93270	0.99716	0.99858	0.93270	0.98180	0.99082
71	103	12.93734	1.80800	0.92979	0.99759	0.99879	0.92979	0.98272	0.99129	12.12602	1.79140	0.93270	0.99749	0.99874	0.93270	0.98294	0.99140
71	104	12.93734	1.70943	0.92979	0.99786	0.99893	0.92979	0.98378	0.99182	12.12602	1.69474	0.93270	0.99777	0.99888	0.93270	0.98398	0.99192
71	105	12.93734	1.62048	0.92979	0.99809	0.99904	0.92979	0.98472	0.99230	12.12602	1.60741	0.93270	0.99800	0.99900	0.93270	0.98490	0.99239
71	106	12.93734	1.54080	0.92979	0.99828	0.99914	0.92979	0.98555	0.99272	12.12602	1.52911	0.93270	0.99820	0.99910	0.93270	0.98572	0.99281
71	107	12.93734	1.47009	0.92979	0.99844	0.99922	0.92979	0.98627	0.99309	12.12602	1.45954	0.93270	0.99837	0.99918	0.93270	0.98643	0.99317
71	108	12.93734	1.40861	0.92979	0.99857	0.99929	0.92979	0.98687	0.99339	12.12602	1.39898	0.93270	0.99850	0.99925	0.93270	0.98701	0.99346
71	109	12.93734	1.35764	0.92979	0.99867	0.99934	0.92979	0.98733	0.99362	12.12602	1.34871	0.93270	0.99861	0.99930	0.93270	0.98746	0.99369
71	110	12.93734	1.32125	0.92979	0.99874	0.99937	0.92979	0.98764	0.99378	12.12602	1.31279	0.93270	0.99868	0.99934	0.93270	0.98777	0.99385
72	1	12.48480	26.72925	0.92311	0.46686	0.63654	0.92311	0.46660	0.63630	11.72913	22.57586	0.92629	0.51927	0.68358	0.92629	0.51903	0.68337
72	2	12.48480	26.68154	0.92311	0.46770	0.63732	0.92311	0.46745	0.63709	11.72913	22.55058	0.92629	0.51986	0.68409	0.92629	0.51962	0.68388
72	3	12.48480	26.63112	0.92311	0.46858	0.63814	0.92311	0.46833	0.63791	11.72913	22.52338	0.92629	0.52049	0.68463	0.92629	0.52025	0.68442
72	4	12.48480	26.57806	0.92311	0.46951	0.63900	0.92311	0.46925	0.63876	11.72913	22.49433	0.92629	0.52115	0.68521	0.92629	0.52090	0.68499
72	5	12.48480	26.52283	0.92311	0.47048	0.63990	0.92311	0.47020	0.63964	11.72913	22.46379	0.92629	0.52185	0.68581	0.92629	0.52159	0.68558

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
72	6	12.48480	26.46539	0.92311	0.47148	0.64083	0.92311	0.47120	0.64056	11.72913	22.43176	0.92629	0.52258	0.68644	0.92629	0.52231	0.68620
72	7	12.48480	26.40551	0.92311	0.47254	0.64180	0.92311	0.47223	0.64152	11.72913	22.39806	0.92629	0.52335	0.68710	0.92629	0.52306	0.68685
72	8	12.48480	26.34335	0.92311	0.47363	0.64281	0.92311	0.47331	0.64251	11.72913	22.36278	0.92629	0.52415	0.68780	0.92629	0.52384	0.68753
72	9	12.48480	26.27867	0.92311	0.47478	0.64387	0.92311	0.47444	0.64355	11.72913	22.32575	0.92629	0.52500	0.68852	0.92629	0.52467	0.68824
72	10	12.48480	26.21121	0.92311	0.47598	0.64497	0.92311	0.47561	0.64462	11.72913	22.28674	0.92629	0.52589	0.68929	0.92629	0.52553	0.68898
72	11	12.48480	26.14141	0.92311	0.47722	0.64611	0.92311	0.47682	0.64574	11.72913	22.24611	0.92629	0.52682	0.69009	0.92629	0.52644	0.68976
72	12	12.48480	26.06892	0.92311	0.47852	0.64730	0.92311	0.47809	0.64691	11.72913	22.20360	0.92629	0.52779	0.69092	0.92629	0.52738	0.69057
72	13	12.48480	25.99388	0.92311	0.47987	0.64853	0.92311	0.47942	0.64811	11.72913	22.15929	0.92629	0.52882	0.69180	0.92629	0.52838	0.69142
72	14	12.48480	25.91617	0.92311	0.48128	0.64982	0.92311	0.48079	0.64937	11.72913	22.11310	0.92629	0.52989	0.69271	0.92629	0.52942	0.69231
72	15	12.48480	25.83587	0.92311	0.48275	0.65115	0.92311	0.48223	0.65068	11.72913	22.06509	0.92629	0.53100	0.69367	0.92629	0.53050	0.69324
72	16	12.48480	25.75319	0.92311	0.48427	0.65254	0.92311	0.48373	0.65204	11.72913	22.01544	0.92629	0.53217	0.69466	0.92629	0.53165	0.69422
72	17	12.48480	25.66857	0.92311	0.48585	0.65397	0.92311	0.48529	0.65346	11.72913	21.96453	0.92629	0.53339	0.69570	0.92629	0.53285	0.69524
72	18	12.48480	25.58235	0.92311	0.48749	0.65545	0.92311	0.48692	0.65494	11.72913	21.91267	0.92629	0.53465	0.69677	0.92629	0.53410	0.69631
72	19	12.48480	25.49361	0.92311	0.48919	0.65699	0.92311	0.48863	0.65648	11.72913	21.85907	0.92629	0.53596	0.69788	0.92629	0.53543	0.69743
72	20	12.48480	25.40164	0.92311	0.49096	0.65859	0.92311	0.49041	0.65809	11.72913	21.80312	0.92629	0.53735	0.69906	0.92629	0.53682	0.69861
72	21	12.48480	25.30562	0.92311	0.49283	0.66026	0.92311	0.49228	0.65977	11.72913	21.74411	0.92629	0.53881	0.70029	0.92629	0.53828	0.69985
72	22	12.48480	25.20517	0.92311	0.49478	0.66201	0.92311	0.49423	0.66152	11.72913	21.68171	0.92629	0.54035	0.70159	0.92629	0.53982	0.70115
72	23	12.48480	25.09967	0.92311	0.49684	0.66385	0.92311	0.49627	0.66334	11.72913	21.61537	0.92629	0.54199	0.70297	0.92629	0.54144	0.70251
72	24	12.48480	24.98936	0.92311	0.49900	0.66578	0.92311	0.49839	0.66524	11.72913	21.54528	0.92629	0.54371	0.70442	0.92629	0.54314	0.70394
72	25	12.48480	24.87419	0.92311	0.50127	0.66779	0.92311	0.50062	0.66722	11.72913	21.47137	0.92629	0.54553	0.70595	0.92629	0.54492	0.70544
72	26	12.48480	24.75420	0.92311	0.50364	0.66990	0.92311	0.50294	0.66928	11.72913	21.39367	0.92629	0.54745	0.70755	0.92629	0.54680	0.70700
72	27	12.48480	24.62994	0.92311	0.50612	0.67209	0.92311	0.50537	0.67142	11.72913	21.31262	0.92629	0.54947	0.70924	0.92629	0.54876	0.70864
72	28	12.48480	24.50119	0.92311	0.50872	0.67437	0.92311	0.50790	0.67365	11.72913	21.22804	0.92629	0.55159	0.71100	0.92629	0.55082	0.71036
72	29	12.48480	24.36788	0.92311	0.51143	0.67675	0.92311	0.51055	0.67598	11.72913	21.13984	0.92629	0.55381	0.71284	0.92629	0.55299	0.71216
72	30	12.48480	24.23009	0.92311	0.51426	0.67923	0.92311	0.51332	0.67840	11.72913	21.04806	0.92629	0.55615	0.71477	0.92629	0.55526	0.71404
72	31	12.48480	24.08752	0.92311	0.51723	0.68180	0.92311	0.51621	0.68093	11.72913	20.95246	0.92629	0.55860	0.71679	0.92629	0.55765	0.71601
72	32	12.48480	23.94006	0.92311	0.52033	0.68449	0.92311	0.51924	0.68355	11.72913	20.85289	0.92629	0.56117	0.71891	0.92629	0.56015	0.71807
72	33	12.48480	23.78740	0.92311	0.52357	0.68729	0.92311	0.52240	0.68629	11.72913	20.74907	0.92629	0.56387	0.72112	0.92629	0.56278	0.72023
72	34	12.48480	23.62942	0.92311	0.52696	0.69021	0.92311	0.52571	0.68913	11.72913	20.64088	0.92629	0.56672	0.72344	0.92629	0.56555	0.72249
72	35	12.48480	23.46579	0.92311	0.53052	0.69325	0.92311	0.52917	0.69210	11.72913	20.52800	0.92629	0.56970	0.72588	0.92629	0.56845	0.72485
72	36	12.48480	23.29632	0.92311	0.53424	0.69642	0.92311	0.53278	0.69518	11.72913	20.41023	0.92629	0.57285	0.72842	0.92629	0.57149	0.72732
72	37	12.48480	23.12089	0.92311	0.53814	0.69973	0.92311	0.53656	0.69839	11.72913	20.28745	0.92629	0.57615	0.73109	0.92629	0.57469	0.72991
72	38	12.48480	22.93911	0.92311	0.54223	0.70317	0.92311	0.54051	0.70173	11.72913	20.15926	0.92629	0.57963	0.73388	0.92629	0.57804	0.73261
72	39	12.48480	22.75087	0.92311	0.54651	0.70677	0.92311	0.54464	0.70520	11.72913	20.02555	0.92629	0.58329	0.73681	0.92629	0.58156	0.73543
72	40	12.48480	22.55572	0.92311	0.55100	0.71051	0.92311	0.54896	0.70881	11.72913	19.88587	0.92629	0.58714	0.73987	0.92629	0.58526	0.73837
72	41	12.48480	22.35340	0.92311	0.55572	0.71442	0.92311	0.55348	0.71257	11.72913	19.73995	0.92629	0.59120	0.74308	0.92629	0.58913	0.74145
72	42	12.48480	22.14385	0.92311	0.56066	0.71849	0.92311	0.55819	0.71646	11.72913	19.58769	0.92629	0.59546	0.74644	0.92629	0.59319	0.74466
72	43	12.48480	21.92669	0.92311	0.56584	0.72273	0.92311	0.56312	0.72051	11.72913	19.42870	0.92629	0.59995	0.74996	0.92629	0.59745	0.74800
72	44	12.48480	21.70178	0.92311	0.57128	0.72715	0.92311	0.56827	0.72471	11.72913	19.26280	0.92629	0.60467	0.75364	0.92629	0.60191	0.75149
72	45	12.48480	21.46876	0.92311	0.57698	0.73176	0.92311	0.57365	0.72907	11.72913	19.08963	0.92629	0.60965	0.75749	0.92629	0.60659	0.75512
72	46	12.48480	21.22763	0.92311	0.58296	0.73655	0.92311	0.57926	0.73358	11.72913	18.90911	0.92629	0.61487	0.76151	0.92629	0.61148	0.75890

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
72	47	12.48480	20.97813	0.92311	0.58923	0.74153	0.92311	0.58512	0.73826	11.72913	18.72094	0.92629	0.62037	0.76571	0.92629	0.61660	0.76283
72	48	12.48480	20.72003	0.92311	0.59580	0.74671	0.92311	0.59123	0.74311	11.72913	18.52488	0.92629	0.62614	0.77010	0.92629	0.62196	0.76692
72	49	12.48480	20.45326	0.92311	0.60269	0.75210	0.92311	0.59760	0.74812	11.72913	18.32076	0.92629	0.63221	0.77467	0.92629	0.62755	0.77116
72	50	12.48480	20.17742	0.92311	0.60990	0.75768	0.92311	0.60423	0.75330	11.72913	18.10816	0.92629	0.63858	0.77943	0.92629	0.63340	0.77556
72	51	12.48480	19.89339	0.92311	0.61743	0.76347	0.92311	0.61114	0.75865	11.72913	17.88781	0.92629	0.64525	0.78438	0.92629	0.63951	0.78012
72	52	12.48480	19.60122	0.92311	0.62531	0.76946	0.92311	0.61833	0.76416	11.72913	17.65967	0.92629	0.65224	0.78952	0.92629	0.64587	0.78484
72	53	12.48480	19.30125	0.92311	0.63352	0.77565	0.92311	0.62581	0.76984	11.72913	17.42398	0.92629	0.65954	0.79485	0.92629	0.65251	0.78972
72	54	12.48480	18.99375	0.92311	0.64207	0.78203	0.92311	0.63358	0.77569	11.72913	17.18091	0.92629	0.66716	0.80036	0.92629	0.65942	0.79476
72	55	12.48480	18.67912	0.92311	0.65097	0.78859	0.92311	0.64164	0.78170	11.72913	16.93076	0.92629	0.67510	0.80604	0.92629	0.66660	0.79995
72	56	12.48480	18.35803	0.92311	0.66022	0.79534	0.92311	0.65000	0.78788	11.72913	16.67407	0.92629	0.68337	0.81190	0.92629	0.67407	0.80531
72	57	12.48480	18.02853	0.92311	0.66983	0.80227	0.92311	0.65865	0.79420	11.72913	16.40902	0.92629	0.69197	0.81795	0.92629	0.68182	0.81081
72	58	12.48480	17.69065	0.92311	0.67980	0.80938	0.92311	0.66759	0.80066	11.72913	16.13552	0.92629	0.70093	0.82417	0.92629	0.68984	0.81646
72	59	12.48480	17.34441	0.92311	0.69014	0.81667	0.92311	0.67681	0.80726	11.72913	15.85354	0.92629	0.71022	0.83056	0.92629	0.69813	0.82224
72	60	12.48480	16.98967	0.92311	0.70083	0.82410	0.92311	0.68631	0.81398	11.72913	15.56284	0.92629	0.71985	0.83711	0.92629	0.70669	0.82814
72	61	12.48480	16.62627	0.92311	0.71187	0.83168	0.92311	0.69606	0.82080	11.72913	15.26320	0.92629	0.72981	0.84380	0.92629	0.71550	0.83416
72	62	12.48480	16.25423	0.92311	0.72323	0.83939	0.92311	0.70606	0.82770	11.72913	14.95454	0.92629	0.74008	0.85062	0.92629	0.72454	0.84027
72	63	12.48480	15.87341	0.92311	0.73489	0.84719	0.92311	0.71626	0.83468	11.72913	14.63664	0.92629	0.75064	0.85756	0.92629	0.73379	0.84646
72	64	12.48480	15.48353	0.92311	0.74683	0.85507	0.92311	0.72666	0.84169	11.72913	14.30913	0.92629	0.76147	0.86459	0.92629	0.74323	0.85271
72	65	12.48480	15.08480	0.92311	0.75901	0.86299	0.92311	0.73721	0.84873	11.72913	13.97213	0.92629	0.77254	0.87168	0.92629	0.75284	0.85899
72	66	12.48480	14.67724	0.92311	0.77138	0.87094	0.92311	0.74789	0.85576	11.72913	13.62552	0.92629	0.78382	0.87881	0.92629	0.76258	0.86530
72	67	12.48480	14.26104	0.92311	0.78390	0.87886	0.92311	0.75866	0.86277	11.72913	13.26940	0.92629	0.79524	0.88595	0.92629	0.77241	0.87159
72	68	12.48480	13.83657	0.92311	0.79650	0.88672	0.92311	0.76946	0.86971	11.72913	12.90401	0.92629	0.80678	0.89306	0.92629	0.78231	0.87786
72	69	12.48480	13.40435	0.92311	0.80912	0.89449	0.92311	0.78028	0.87658	11.72913	12.52973	0.92629	0.81836	0.90011	0.92629	0.79223	0.88407
72	70	12.48480	12.96501	0.92311	0.82170	0.90212	0.92311	0.79105	0.88333	11.72913	12.14706	0.92629	0.82993	0.90706	0.92629	0.80212	0.89020
72	71	12.48480	12.51927	0.92311	0.83416	0.90958	0.92311	0.80173	0.88996	11.72913	11.75658	0.92629	0.84142	0.91388	0.92629	0.81197	0.89623
72	72	12.48480	12.06792	0.92311	0.84642	0.91682	0.92311	0.81229	0.89642	11.72913	11.35893	0.92629	0.85276	0.92053	0.92629	0.82171	0.90213
72	73	12.48480	11.61185	0.92311	0.85842	0.92382	0.92311	0.82267	0.90271	11.72913	10.95491	0.92629	0.86389	0.92698	0.92629	0.83132	0.90789
72	74	12.48480	11.15217	0.92311	0.87009	0.93053	0.92311	0.83285	0.90880	11.72913	10.54549	0.92629	0.87475	0.93319	0.92629	0.84075	0.91349
72	75	12.48480	10.68986	0.92311	0.88135	0.93693	0.92311	0.84278	0.91468	11.72913	10.13154	0.92629	0.88527	0.93915	0.92629	0.84997	0.91890
72	76	12.48480	10.22626	0.92311	0.89215	0.94300	0.92311	0.85242	0.92033	11.72913	9.71428	0.92629	0.89540	0.94481	0.92629	0.85895	0.92412
72	77	12.48480	9.76277	0.92311	0.90244	0.94872	0.92311	0.86175	0.92574	11.72913	9.29502	0.92629	0.90508	0.95017	0.92629	0.86766	0.92914
72	78	12.48480	9.30064	0.92311	0.91217	0.95407	0.92311	0.87075	0.93091	11.72913	8.87492	0.92629	0.91427	0.95521	0.92629	0.87607	0.93394
72	79	12.48480	8.84103	0.92311	0.92131	0.95904	0.92311	0.87938	0.93582	11.72913	8.45509	0.92629	0.92293	0.95992	0.92629	0.88417	0.93852
72	80	12.48480	8.38551	0.92311	0.92983	0.96364	0.92311	0.88764	0.94048	11.72913	8.03703	0.92629	0.93105	0.96429	0.92629	0.89192	0.94287
72	81	12.48480	7.93532	0.92311	0.93772	0.96786	0.92311	0.89551	0.94487	11.72913	7.62196	0.92629	0.93860	0.96833	0.92629	0.89933	0.94700
72	82	12.48480	7.49211	0.92311	0.94498	0.97171	0.92311	0.90297	0.94901	11.72913	7.21152	0.92629	0.94557	0.97202	0.92629	0.90638	0.95089
72	83	12.48480	7.05756	0.92311	0.95160	0.97520	0.92311	0.91003	0.95290	11.72913	6.80735	0.92629	0.95196	0.97539	0.92629	0.91305	0.95455
72	84	12.48480	6.63342	0.92311	0.95761	0.97835	0.92311	0.91669	0.95653	11.72913	6.41122	0.92629	0.95778	0.97844	0.92629	0.91936	0.95799
72	85	12.48480	6.22156	0.92311	0.96302	0.98116	0.92311	0.92293	0.95992	11.72913	6.02503	0.92629	0.96305	0.98117	0.92629	0.92530	0.96120
72	86	12.48480	5.82374	0.92311	0.96785	0.98366	0.92311	0.92878	0.96307	11.72913	5.65055	0.92629	0.96777	0.98362	0.92629	0.93086	0.96419
72	87	12.48480	5.44155	0.92311	0.97213	0.98587	0.92311	0.93423	0.96600	11.72913	5.28949	0.92629	0.97197	0.98579	0.92629	0.93606	0.96698

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
72	88	12.48480	5.07613	0.92311	0.97591	0.98781	0.92311	0.93929	0.96870	11.72913	4.94306	0.92629	0.97570	0.98770	0.92629	0.94091	0.96955
72	89	12.48480	4.72862	0.92311	0.97923	0.98950	0.92311	0.94399	0.97119	11.72913	4.61250	0.92629	0.97898	0.98938	0.92629	0.94540	0.97194
72	90	12.48480	4.40007	0.92311	0.98211	0.99098	0.92311	0.94832	0.97348	11.72913	4.29901	0.92629	0.98185	0.99084	0.92629	0.94957	0.97413
72	91	12.48480	4.09149	0.92311	0.98461	0.99225	0.92311	0.95232	0.97558	11.72913	4.00370	0.92629	0.98435	0.99211	0.92629	0.95341	0.97615
72	92	12.48480	3.80354	0.92311	0.98677	0.99334	0.92311	0.95599	0.97750	11.72913	3.72738	0.92629	0.98650	0.99321	0.92629	0.95695	0.97800
72	93	12.48480	3.53621	0.92311	0.98862	0.99428	0.92311	0.95937	0.97926	11.72913	3.47020	0.92629	0.98836	0.99415	0.92629	0.96021	0.97970
72	94	12.48480	3.28870	0.92311	0.99021	0.99508	0.92311	0.96246	0.98087	11.72913	3.23152	0.92629	0.98996	0.99496	0.92629	0.96320	0.98125
72	95	12.48480	3.05955	0.92311	0.99157	0.99577	0.92311	0.96529	0.98234	11.72913	3.01004	0.92629	0.99134	0.99565	0.92629	0.96594	0.98268
72	96	12.48480	2.84646	0.92311	0.99273	0.99635	0.92311	0.96788	0.98368	11.72913	2.80360	0.92629	0.99251	0.99624	0.92629	0.96845	0.98397
72	97	12.48480	2.65226	0.92311	0.99371	0.99685	0.92311	0.97023	0.98489	11.72913	2.61510	0.92629	0.99352	0.99675	0.92629	0.97073	0.98515
72	98	12.48480	2.47567	0.92311	0.99455	0.99727	0.92311	0.97236	0.98599	11.72913	2.44340	0.92629	0.99437	0.99718	0.92629	0.97281	0.98622
72	99	12.48480	2.31535	0.92311	0.99526	0.99762	0.92311	0.97431	0.98699	11.72913	2.28724	0.92629	0.99509	0.99754	0.92629	0.97470	0.98719
72	100	12.48480	2.16976	0.92311	0.99586	0.99793	0.92311	0.97608	0.98789	11.72913	2.14523	0.92629	0.99571	0.99785	0.92629	0.97642	0.98807
72	101	12.48480	2.03734	0.92311	0.99637	0.99818	0.92311	0.97768	0.98872	11.72913	2.01587	0.92629	0.99623	0.99811	0.92629	0.97799	0.98887
72	102	12.48480	1.91714	0.92311	0.99681	0.99840	0.92311	0.97914	0.98946	11.72913	1.89830	0.92629	0.99668	0.99834	0.92629	0.97942	0.98960
72	103	12.48480	1.80800	0.92311	0.99718	0.99859	0.92311	0.98046	0.99014	11.72913	1.79140	0.92629	0.99706	0.99853	0.92629	0.98071	0.99026
72	104	12.48480	1.70943	0.92311	0.99749	0.99875	0.92311	0.98165	0.99074	11.72913	1.69474	0.92629	0.99739	0.99869	0.92629	0.98188	0.99086
72	105	12.48480	1.62048	0.92311	0.99776	0.99888	0.92311	0.98272	0.99129	11.72913	1.60741	0.92629	0.99767	0.99883	0.92629	0.98293	0.99139
72	106	12.48480	1.54080	0.92311	0.99799	0.99899	0.92311	0.98366	0.99176	11.72913	1.52911	0.92629	0.99790	0.99895	0.92629	0.98385	0.99186
72	107	12.48480	1.47009	0.92311	0.99818	0.99909	0.92311	0.98448	0.99218	11.72913	1.45954	0.92629	0.99809	0.99905	0.92629	0.98465	0.99227
72	108	12.48480	1.40861	0.92311	0.99833	0.99916	0.92311	0.98515	0.99252	11.72913	1.39898	0.92629	0.99825	0.99913	0.92629	0.98532	0.99260
72	109	12.48480	1.35764	0.92311	0.99844	0.99922	0.92311	0.98567	0.99278	11.72913	1.34871	0.92629	0.99837	0.99919	0.92629	0.98583	0.99286
72	110	12.48480	1.32125	0.92311	0.99852	0.99926	0.92311	0.98602	0.99296	11.72913	1.31279	0.92629	0.99845	0.99923	0.92629	0.98617	0.99304
73	1	12.02634	26.72925	0.91598	0.44973	0.62043	0.91598	0.44949	0.62020	11.32474	22.57586	0.91932	0.50139	0.66790	0.91932	0.50115	0.66769
73	2	12.02634	26.68154	0.91598	0.45054	0.62120	0.91598	0.45030	0.62098	11.32474	22.55058	0.91932	0.50196	0.66841	0.91932	0.50173	0.66820
73	3	12.02634	26.63112	0.91598	0.45139	0.62201	0.91598	0.45115	0.62178	11.32474	22.52338	0.91932	0.50256	0.66894	0.91932	0.50233	0.66874
73	4	12.02634	26.57806	0.91598	0.45229	0.62286	0.91598	0.45204	0.62263	11.32474	22.49433	0.91932	0.50321	0.66951	0.91932	0.50297	0.66930
73	5	12.02634	26.52283	0.91598	0.45322	0.62374	0.91598	0.45296	0.62350	11.32474	22.46379	0.91932	0.50388	0.67011	0.91932	0.50363	0.66989
73	6	12.02634	26.46539	0.91598	0.45419	0.62467	0.91598	0.45392	0.62441	11.32474	22.43176	0.91932	0.50459	0.67073	0.91932	0.50432	0.67050
73	7	12.02634	26.40551	0.91598	0.45521	0.62563	0.91598	0.45492	0.62535	11.32474	22.39806	0.91932	0.50533	0.67139	0.91932	0.50505	0.67114
73	8	12.02634	26.34335	0.91598	0.45627	0.62662	0.91598	0.45596	0.62633	11.32474	22.36278	0.91932	0.50611	0.67207	0.91932	0.50581	0.67181
73	9	12.02634	26.27867	0.91598	0.45737	0.62767	0.91598	0.45704	0.62736	11.32474	22.32575	0.91932	0.50693	0.67280	0.91932	0.50661	0.67252
73	10	12.02634	26.21121	0.91598	0.45852	0.62875	0.91598	0.45817	0.62842	11.32474	22.28674	0.91932	0.50779	0.67355	0.91932	0.50745	0.67325
73	11	12.02634	26.14141	0.91598	0.45973	0.62988	0.91598	0.45935	0.62952	11.32474	22.24611	0.91932	0.50869	0.67434	0.91932	0.50832	0.67402
73	12	12.02634	26.06892	0.91598	0.46098	0.63106	0.91598	0.46057	0.63067	11.32474	22.20360	0.91932	0.50963	0.67517	0.91932	0.50924	0.67483
73	13	12.02634	25.99388	0.91598	0.46228	0.63228	0.91598	0.46185	0.63187	11.32474	22.15929	0.91932	0.51062	0.67604	0.91932	0.51020	0.67567
73	14	12.02634	25.91617	0.91598	0.46364	0.63355	0.91598	0.46317	0.63311	11.32474	22.11310	0.91932	0.51165	0.67695	0.91932	0.51120	0.67655
73	15	12.02634	25.83587	0.91598	0.46506	0.63487	0.91598	0.46456	0.63440	11.32474	22.06509	0.91932	0.51274	0.67789	0.91932	0.51225	0.67747
73	16	12.02634	25.75319	0.91598	0.46653	0.63623	0.91598	0.46600	0.63575	11.32474	22.01544	0.91932	0.51386	0.67888	0.91932	0.51336	0.67843
73	17	12.02634	25.66857	0.91598	0.46805	0.63765	0.91598	0.46751	0.63715	11.32474	21.96453	0.91932	0.51504	0.67990	0.91932	0.51452	0.67945
73	18	12.02634	25.58235	0.91598	0.46962	0.63911	0.91598	0.46908	0.63861	11.32474	21.91267	0.91932	0.51626	0.68096	0.91932	0.51573	0.68051

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
73	19	12.02634	25.49361	0.91598	0.47126	0.64062	0.91598	0.47073	0.64013	11.32474	21.85907	0.91932	0.51753	0.68207	0.91932	0.51701	0.68162				
73	20	12.02634	25.40164	0.91598	0.47298	0.64221	0.91598	0.47245	0.64172	11.32474	21.80312	0.91932	0.51886	0.68323	0.91932	0.51836	0.68279				
73	21	12.02634	25.30562	0.91598	0.47477	0.64386	0.91598	0.47425	0.64338	11.32474	21.74411	0.91932	0.52028	0.68445	0.91932	0.51978	0.68402				
73	22	12.02634	25.20517	0.91598	0.47666	0.64559	0.91598	0.47613	0.64511	11.32474	21.68171	0.91932	0.52177	0.68574	0.91932	0.52127	0.68531				
73	23	12.02634	25.09967	0.91598	0.47864	0.64741	0.91598	0.47810	0.64691	11.32474	21.61537	0.91932	0.52335	0.68710	0.91932	0.52283	0.68666				
73	24	12.02634	24.98936	0.91598	0.48073	0.64931	0.91598	0.48015	0.64879	11.32474	21.54528	0.91932	0.52502	0.68854	0.91932	0.52448	0.68807				
73	25	12.02634	24.87419	0.91598	0.48291	0.65130	0.91598	0.48230	0.65075	11.32474	21.47137	0.91932	0.52679	0.69006	0.91932	0.52620	0.68956				
73	26	12.02634	24.75420	0.91598	0.48521	0.65339	0.91598	0.48455	0.65279	11.32474	21.39367	0.91932	0.52864	0.69165	0.91932	0.52802	0.69111				
73	27	12.02634	24.62994	0.91598	0.48760	0.65555	0.91598	0.48689	0.65491	11.32474	21.31262	0.91932	0.53060	0.69332	0.91932	0.52992	0.69274				
73	28	12.02634	24.50119	0.91598	0.49011	0.65782	0.91598	0.48934	0.65712	11.32474	21.22804	0.91932	0.53265	0.69507	0.91932	0.53192	0.69445				
73	29	12.02634	24.36788	0.91598	0.49273	0.66017	0.91598	0.49190	0.65943	11.32474	21.13984	0.91932	0.53480	0.69690	0.91932	0.53401	0.69623				
73	30	12.02634	24.23009	0.91598	0.49546	0.66262	0.91598	0.49457	0.66183	11.32474	21.04806	0.91932	0.53706	0.69882	0.91932	0.53622	0.69810				
73	31	12.02634	24.08752	0.91598	0.49833	0.66518	0.91598	0.49737	0.66433	11.32474	20.95246	0.91932	0.53944	0.70082	0.91932	0.53853	0.70006				
73	32	12.02634	23.94006	0.91598	0.50132	0.66784	0.91598	0.50030	0.66693	11.32474	20.85289	0.91932	0.54193	0.70293	0.91932	0.54096	0.70211				
73	33	12.02634	23.78740	0.91598	0.50446	0.67062	0.91598	0.50336	0.66964	11.32474	20.74907	0.91932	0.54455	0.70513	0.91932	0.54352	0.70426				
73	34	12.02634	23.62942	0.91598	0.50774	0.67351	0.91598	0.50656	0.67247	11.32474	20.64088	0.91932	0.54731	0.70743	0.91932	0.54620	0.70650				
73	35	12.02634	23.46579	0.91598	0.51118	0.67653	0.91598	0.50991	0.67541	11.32474	20.52800	0.91932	0.55021	0.70985	0.91932	0.54901	0.70886				
73	36	12.02634	23.29632	0.91598	0.51478	0.67968	0.91598	0.51341	0.67848	11.32474	20.41023	0.91932	0.55326	0.71239	0.91932	0.55197	0.71132				
73	37	12.02634	23.12089	0.91598	0.51855	0.68296	0.91598	0.51707	0.68167	11.32474	20.28745	0.91932	0.55647	0.71504	0.91932	0.55508	0.71389				
73	38	12.02634	22.93911	0.91598	0.52251	0.68638	0.91598	0.52090	0.68499	11.32474	20.15926	0.91932	0.55985	0.71782	0.91932	0.55834	0.71659				
73	39	12.02634	22.75087	0.91598	0.52666	0.68995	0.91598	0.52491	0.68845	11.32474	20.02555	0.91932	0.56341	0.72074	0.91932	0.56177	0.71940				
73	40	12.02634	22.55572	0.91598	0.53102	0.69368	0.91598	0.52910	0.69204	11.32474	19.88587	0.91932	0.56715	0.72380	0.91932	0.56537	0.72234				
73	41	12.02634	22.35340	0.91598	0.53559	0.69757	0.91598	0.53349	0.69578	11.32474	19.73995	0.91932	0.57110	0.72700	0.91932	0.56914	0.72542				
73	42	12.02634	22.14385	0.91598	0.54038	0.70162	0.91598	0.53807	0.69967	11.32474	19.58769	0.91932	0.57525	0.73036	0.91932	0.57310	0.72863				
73	43	12.02634	21.92669	0.91598	0.54542	0.70585	0.91598	0.54286	0.70371	11.32474	19.42870	0.91932	0.57962	0.73388	0.91932	0.57726	0.73198				
73	44	12.02634	21.70178	0.91598	0.55070	0.71026	0.91598	0.54787	0.70791	11.32474	19.26280	0.91932	0.58423	0.73756	0.91932	0.58161	0.73547				
73	45	12.02634	21.46876	0.91598	0.55625	0.71486	0.91598	0.55311	0.71226	11.32474	19.08963	0.91932	0.58908	0.74141	0.91932	0.58618	0.73911				
73	46	12.02634	21.22763	0.91598	0.56207	0.71964	0.91598	0.55858	0.71678	11.32474	18.90911	0.91932	0.59419	0.74544	0.91932	0.59096	0.74290				
73	47	12.02634	20.97813	0.91598	0.56817	0.72463	0.91598	0.56429	0.72147	11.32474	18.72094	0.91932	0.59956	0.74966	0.91932	0.59598	0.74685				
73	48	12.02634	20.72003	0.91598	0.57458	0.72982	0.91598	0.57026	0.72633	11.32474	18.52488	0.91932	0.60521	0.75406	0.91932	0.60122	0.75096				
73	49	12.02634	20.45326	0.91598	0.58130	0.73522	0.91598	0.57649	0.73136	11.32474	18.32076	0.91932	0.61116	0.75866	0.91932	0.60671	0.75522				
73	50	12.02634	20.17742	0.91598	0.58835	0.74083	0.91598	0.58298	0.73656	11.32474	18.10816	0.91932	0.61741	0.76345	0.91932	0.61246	0.75966				
73	51	12.02634	19.89339	0.91598	0.59573	0.74666	0.91598	0.58975	0.74194	11.32474	17.88781	0.91932	0.62396	0.76845	0.91932	0.61846	0.76426				
73	52	12.02634	19.60122	0.91598	0.60345	0.75269	0.91598	0.59681	0.74750	11.32474	17.65967	0.91932	0.63084	0.77364	0.91932	0.62473	0.76902				
73	53	12.02634	19.30125	0.91598	0.61151	0.75893	0.91598	0.60416	0.75324	11.32474	17.42398	0.91932	0.63803	0.77902	0.91932	0.63127	0.77396				
73	54	12.02634	18.99375	0.91598	0.61993	0.76538	0.91598	0.61181	0.75916	11.32474	17.18091	0.91932	0.64556	0.78461	0.91932	0.63810	0.77907				
73	55	12.02634	18.67912	0.91598	0.62870	0.77203	0.91598	0.61976	0.76525	11.32474	16.93076	0.91932	0.65342	0.79038	0.91932	0.64521	0.78435				
73	56	12.02634	18.35803	0.91598	0.63783	0.77887	0.91598	0.62802	0.77152	11.32474	16.67407	0.91932	0.66161	0.79635	0.91932	0.65262	0.78980				
73	57	12.02634	18.02853	0.91598	0.64735	0.78593	0.91598	0.63660	0.77796	11.32474	16.40902	0.91932	0.67016	0.80251	0.91932	0.66032	0.79542				
73	58	12.02634	17.69065	0.91598	0.65725	0.79318	0.91598	0.64549	0.78455	11.32474	16.13552	0.91932	0.67908	0.80887	0.91932	0.66832	0.80119				
73	59	12.02634	17.34441	0.91598	0.66755	0.80063	0.91598	0.65468	0.79131	11.32474	15.85354	0.91932	0.68837	0.81543	0.91932	0.67662	0.80712				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
73	60	12.02634	16.98967	0.91598	0.67823	0.80827	0.91598	0.66417	0.79820	11.32474	15.56284	0.91932	0.69803	0.82216	0.91932	0.68520	0.81320				
73	61	12.02634	16.62627	0.91598	0.68930	0.81608	0.91598	0.67396	0.80523	11.32474	15.26320	0.91932	0.70804	0.82907	0.91932	0.69406	0.81940				
73	62	12.02634	16.25423	0.91598	0.70073	0.82404	0.91598	0.68401	0.81236	11.32474	14.95454	0.91932	0.71842	0.83614	0.91932	0.70318	0.82573				
73	63	12.02634	15.87341	0.91598	0.71253	0.83213	0.91598	0.69432	0.81959	11.32474	14.63664	0.91932	0.72913	0.84335	0.91932	0.71256	0.83216				
73	64	12.02634	15.48353	0.91598	0.72465	0.84035	0.91598	0.70487	0.82689	11.32474	14.30913	0.91932	0.74016	0.85068	0.91932	0.72216	0.83867				
73	65	12.02634	15.08480	0.91598	0.73708	0.84864	0.91598	0.71562	0.83424	11.32474	13.97213	0.91932	0.75149	0.85812	0.91932	0.73198	0.84525				
73	66	12.02634	14.67724	0.91598	0.74977	0.85699	0.91598	0.72654	0.84161	11.32474	13.62552	0.91932	0.76309	0.86563	0.91932	0.74196	0.85187				
73	67	12.02634	14.26104	0.91598	0.76268	0.86536	0.91598	0.73759	0.84898	11.32474	13.26940	0.91932	0.77491	0.87318	0.91932	0.75209	0.85851				
73	68	12.02634	13.83657	0.91598	0.77575	0.87372	0.91598	0.74875	0.85633	11.32474	12.90401	0.91932	0.78690	0.88074	0.91932	0.76233	0.86514				
73	69	12.02634	13.40435	0.91598	0.78893	0.88201	0.91598	0.75996	0.86361	11.32474	12.52973	0.91932	0.79901	0.88828	0.91932	0.77264	0.87174				
73	70	12.02634	12.96501	0.91598	0.80213	0.89020	0.91598	0.77118	0.87081	11.32474	12.14706	0.91932	0.81118	0.89574	0.91932	0.78298	0.87828				
73	71	12.02634	12.51927	0.91598	0.81529	0.89825	0.91598	0.78237	0.87790	11.32474	11.75658	0.91932	0.82333	0.90311	0.91932	0.79331	0.88474				
73	72	12.02634	12.06792	0.91598	0.82833	0.90611	0.91598	0.79347	0.88484	11.32474	11.35893	0.91932	0.83541	0.91033	0.91932	0.80358	0.89109				
73	73	12.02634	11.61185	0.91598	0.84118	0.91374	0.91598	0.80445	0.89163	11.32474	10.95491	0.91932	0.84734	0.91736	0.91932	0.81375	0.89732				
73	74	12.02634	11.15217	0.91598	0.85374	0.92110	0.91598	0.81526	0.89823	11.32474	10.54549	0.91932	0.85905	0.92418	0.91932	0.82379	0.90338				
73	75	12.02634	10.68986	0.91598	0.86596	0.92816	0.91598	0.82586	0.90462	11.32474	10.13154	0.91932	0.87046	0.93074	0.91932	0.83366	0.90928				
73	76	12.02634	10.22626	0.91598	0.87774	0.93489	0.91598	0.83620	0.91079	11.32474	9.71428	0.91932	0.88151	0.93702	0.91932	0.84330	0.91499				
73	77	12.02634	9.76277	0.91598	0.88904	0.94126	0.91598	0.84625	0.91672	11.32474	9.29502	0.91932	0.89214	0.94299	0.91932	0.85270	0.92049				
73	78	12.02634	9.30064	0.91598	0.89979	0.94725	0.91598	0.85598	0.92240	11.32474	8.87492	0.91932	0.90229	0.94863	0.91932	0.86181	0.92578				
73	79	12.02634	8.84103	0.91598	0.90994	0.95285	0.91598	0.86537	0.92782	11.32474	8.45509	0.91932	0.91191	0.95393	0.91932	0.87062	0.93083				
73	80	12.02634	8.38551	0.91598	0.91946	0.95804	0.91598	0.87437	0.93298	11.32474	8.03703	0.91932	0.92097	0.95886	0.91932	0.87909	0.93565				
73	81	12.02634	7.93532	0.91598	0.92832	0.96283	0.91598	0.88298	0.93786	11.32474	7.62196	0.91932	0.92944	0.96343	0.91932	0.88721	0.94023				
73	82	12.02634	7.49211	0.91598	0.93652	0.96722	0.91598	0.89119	0.94246	11.32474	7.21152	0.91932	0.93730	0.96764	0.91932	0.89496	0.94457				
73	83	12.02634	7.05756	0.91598	0.94403	0.97121	0.91598	0.89897	0.94680	11.32474	6.80735	0.91932	0.94454	0.97148	0.91932	0.90232	0.94865				
73	84	12.02634	6.63342	0.91598	0.95087	0.97482	0.91598	0.90633	0.95086	11.32474	6.41122	0.91932	0.95116	0.97497	0.91932	0.90931	0.95250				
73	85	12.02634	6.22156	0.91598	0.95705	0.97806	0.91598	0.91326	0.95466	11.32474	6.02503	0.91932	0.95717	0.97812	0.91932	0.91589	0.95610				
73	86	12.02634	5.82374	0.91598	0.96260	0.98094	0.91598	0.91976	0.95820	11.32474	5.65055	0.91932	0.96258	0.98093	0.91932	0.92208	0.95946				
73	87	12.02634	5.44155	0.91598	0.96753	0.98350	0.91598	0.92583	0.96149	11.32474	5.28949	0.91932	0.96741	0.98344	0.91932	0.92788	0.96259				
73	88	12.02634	5.07613	0.91598	0.97189	0.98575	0.91598	0.93149	0.96453	11.32474	4.94306	0.91932	0.97171	0.98565	0.91932	0.93329	0.96550				
73	89	12.02634	4.72862	0.91598	0.97573	0.98772	0.91598	0.93674	0.96734	11.32474	4.61250	0.91932	0.97550	0.98760	0.91932	0.93833	0.96818				
73	90	12.02634	4.40007	0.91598	0.97908	0.98943	0.91598	0.94160	0.96992	11.32474	4.29901	0.91932	0.97882	0.98930	0.91932	0.94300	0.97066				
73	91	12.02634	4.09149	0.91598	0.98199	0.99091	0.91598	0.94608	0.97229	11.32474	4.00370	0.91932	0.98171	0.99077	0.91932	0.94731	0.97294				
73	92	12.02634	3.80354	0.91598	0.98450	0.99219	0.91598	0.95021	0.97447	11.32474	3.72738	0.91932	0.98422	0.99205	0.91932	0.95129	0.97504				
73	93	12.02634	3.53621	0.91598	0.98666	0.99328	0.91598	0.95401	0.97647	11.32474	3.47020	0.91932	0.98639	0.99315	0.91932	0.95496	0.97696				
73	94	12.02634	3.28870	0.91598	0.98851	0.99422	0.91598	0.95750	0.97829	11.32474	3.23152	0.91932	0.98825	0.99409	0.91932	0.95833	0.97872				
73	95	12.02634	3.05955	0.91598	0.99010	0.99502	0.91598	0.96069	0.97995	11.32474	3.01004	0.91932	0.98985	0.99490	0.91932	0.96142	0.98033				
73	96	12.02634	2.84646	0.91598	0.99146	0.99571	0.91598	0.96361	0.98147	11.32474	2.80360	0.91932	0.99123	0.99559	0.91932	0.96425	0.98180				
73	97	12.02634	2.65226	0.91598	0.99261	0.99629	0.91598	0.96626	0.98284	11.32474	2.61510	0.91932	0.99240	0.99618	0.91932	0.96683	0.98314				
73	98	12.02634	2.47567	0.91598	0.99359	0.99679	0.91598	0.96868	0.98409	11.32474	2.44340	0.91932	0.99339	0.99669	0.91932	0.96918	0.98435				
73	99	12.02634	2.31535	0.91598	0.99442	0.99720	0.91598	0.97088	0.98522	11.32474	2.28724	0.91932	0.99424	0.99711	0.91932	0.97132	0.98545				
73	100	12.02634	2.16976	0.91598	0.99513	0.99756	0.91598	0.97288	0.98625	11.32474	2.14523	0.91932	0.99496	0.99747	0.91932	0.97327	0.98645				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
73	101	12.02634	2.03734	0.91598	0.99573	0.99786	0.91598	0.97470	0.98719	11.32474	2.01587	0.91932	0.99558	0.99778	0.91932	0.97505	0.98737
73	102	12.02634	1.91714	0.91598	0.99624	0.99812	0.91598	0.97635	0.98803	11.32474	1.89830	0.91932	0.99610	0.99805	0.91932	0.97666	0.98819
73	103	12.02634	1.80800	0.91598	0.99668	0.99834	0.91598	0.97785	0.98880	11.32474	1.79140	0.91932	0.99655	0.99827	0.91932	0.97813	0.98894
73	104	12.02634	1.70943	0.91598	0.99705	0.99852	0.91598	0.97920	0.98949	11.32474	1.69474	0.91932	0.99693	0.99846	0.91932	0.97945	0.98962
73	105	12.02634	1.62048	0.91598	0.99737	0.99868	0.91598	0.98040	0.99011	11.32474	1.60741	0.91932	0.99726	0.99863	0.91932	0.98064	0.99022
73	106	12.02634	1.54080	0.91598	0.99763	0.99881	0.91598	0.98147	0.99065	11.32474	1.52911	0.91932	0.99753	0.99877	0.91932	0.98169	0.99076
73	107	12.02634	1.47009	0.91598	0.99785	0.99893	0.91598	0.98240	0.99112	11.32474	1.45954	0.91932	0.99776	0.99888	0.91932	0.98259	0.99122
73	108	12.02634	1.40861	0.91598	0.99803	0.99901	0.91598	0.98316	0.99151	11.32474	1.39898	0.91932	0.99795	0.99897	0.91932	0.98335	0.99160
73	109	12.02634	1.35764	0.91598	0.99817	0.99908	0.91598	0.98375	0.99181	11.32474	1.34871	0.91932	0.99809	0.99904	0.91932	0.98393	0.99190
73	110	12.02634	1.32125	0.91598	0.99826	0.99913	0.91598	0.98415	0.99201	11.32474	1.31279	0.91932	0.99819	0.99909	0.91932	0.98432	0.99210
74	1	11.56316	26.72925	0.90813	0.43243	0.60377	0.90813	0.43219	0.60354	10.91391	22.57586	0.91144	0.48322	0.65158	0.91144	0.48299	0.65137
74	2	11.56316	26.68154	0.90813	0.43320	0.60453	0.90813	0.43298	0.60431	10.91391	22.55058	0.91144	0.48377	0.65208	0.91144	0.48355	0.65188
74	3	11.56316	26.63112	0.90813	0.43402	0.60532	0.90813	0.43380	0.60510	10.91391	22.52338	0.91144	0.48435	0.65261	0.91144	0.48413	0.65241
74	4	11.56316	26.57806	0.90813	0.43488	0.60616	0.90813	0.43465	0.60593	10.91391	22.49433	0.91144	0.48497	0.65317	0.91144	0.48474	0.65297
74	5	11.56316	26.52283	0.90813	0.43578	0.60703	0.90813	0.43554	0.60679	10.91391	22.46379	0.91144	0.48562	0.65376	0.91144	0.48538	0.65355
74	6	11.56316	26.46539	0.90813	0.43672	0.60794	0.90813	0.43646	0.60769	10.91391	22.43176	0.91144	0.48630	0.65438	0.91144	0.48605	0.65415
74	7	11.56316	26.40551	0.90813	0.43770	0.60889	0.90813	0.43742	0.60862	10.91391	22.39806	0.91144	0.48702	0.65503	0.91144	0.48676	0.65479
74	8	11.56316	26.34335	0.90813	0.43871	0.60987	0.90813	0.43843	0.60959	10.91391	22.36278	0.91144	0.48777	0.65571	0.91144	0.48749	0.65545
74	9	11.56316	26.27867	0.90813	0.43978	0.61090	0.90813	0.43947	0.61060	10.91391	22.32575	0.91144	0.48856	0.65642	0.91144	0.48826	0.65615
74	10	11.56316	26.21121	0.90813	0.44089	0.61197	0.90813	0.44055	0.61165	10.91391	22.28674	0.91144	0.48939	0.65717	0.91144	0.48907	0.65688
74	11	11.56316	26.14141	0.90813	0.44205	0.61308	0.90813	0.44169	0.61273	10.91391	22.24611	0.91144	0.49026	0.65795	0.91144	0.48991	0.65764
74	12	11.56316	26.06892	0.90813	0.44325	0.61424	0.90813	0.44286	0.61387	10.91391	22.20360	0.91144	0.49117	0.65877	0.91144	0.49080	0.65843
74	13	11.56316	25.99388	0.90813	0.44451	0.61545	0.90813	0.44409	0.61505	10.91391	22.15929	0.91144	0.49213	0.65963	0.91144	0.49172	0.65927
74	14	11.56316	25.91617	0.90813	0.44582	0.61670	0.90813	0.44537	0.61627	10.91391	22.11310	0.91144	0.49313	0.66053	0.91144	0.49269	0.66014
74	15	11.56316	25.83587	0.90813	0.44718	0.61800	0.90813	0.44670	0.61755	10.91391	22.06509	0.91144	0.49417	0.66146	0.91144	0.49371	0.66105
74	16	11.56316	25.75319	0.90813	0.44859	0.61935	0.90813	0.44809	0.61887	10.91391	22.01544	0.91144	0.49526	0.66244	0.91144	0.49477	0.66200
74	17	11.56316	25.66857	0.90813	0.45006	0.62074	0.90813	0.44954	0.62025	10.91391	21.96453	0.91144	0.49639	0.66345	0.91144	0.49589	0.66300
74	18	11.56316	25.58235	0.90813	0.45157	0.62218	0.90813	0.45106	0.62169	10.91391	21.91267	0.91144	0.49757	0.66450	0.91144	0.49706	0.66405
74	19	11.56316	25.49361	0.90813	0.45315	0.62368	0.90813	0.45264	0.62320	10.91391	21.85907	0.91144	0.49879	0.66559	0.91144	0.49830	0.66515
74	20	11.56316	25.40164	0.90813	0.45480	0.62524	0.90813	0.45430	0.62477	10.91391	21.80312	0.91144	0.50008	0.66674	0.91144	0.49960	0.66631
74	21	11.56316	25.30562	0.90813	0.45653	0.62687	0.90813	0.45603	0.62640	10.91391	21.74411	0.91144	0.50145	0.66795	0.91144	0.50097	0.66753
74	22	11.56316	25.20517	0.90813	0.45834	0.62858	0.90813	0.45784	0.62811	10.91391	21.68171	0.91144	0.50289	0.66923	0.91144	0.50241	0.66880
74	23	11.56316	25.09967	0.90813	0.46025	0.63037	0.90813	0.45974	0.62989	10.91391	21.61537	0.91144	0.50441	0.67058	0.91144	0.50392	0.67014
74	24	11.56316	24.98936	0.90813	0.46226	0.63225	0.90813	0.46172	0.63175	10.91391	21.54528	0.91144	0.50603	0.67200	0.91144	0.50551	0.67154
74	25	11.56316	24.87419	0.90813	0.46437	0.63422	0.90813	0.46379	0.63368	10.91391	21.47137	0.91144	0.50773	0.67350	0.91144	0.50718	0.67302
74	26	11.56316	24.75420	0.90813	0.46657	0.63628	0.90813	0.46595	0.63570	10.91391	21.39367	0.91144	0.50953	0.67508	0.91144	0.50893	0.67456
74	27	11.56316	24.62994	0.90813	0.46888	0.63842	0.90813	0.46821	0.63780	10.91391	21.31262	0.91144	0.51141	0.67673	0.91144	0.51077	0.67617
74	28	11.56316	24.50119	0.90813	0.47130	0.64065	0.90813	0.47057	0.63998	10.91391	21.22804	0.91144	0.51339	0.67847	0.91144	0.51270	0.67786
74	29	11.56316	24.36788	0.90813	0.47382	0.64298	0.90813	0.47304	0.64226	10.91391	21.13984	0.91144	0.51548	0.68028	0.91144	0.51473	0.67963
74	30	11.56316	24.23009	0.90813	0.47646	0.64541	0.90813	0.47562	0.64464	10.91391	21.04806	0.91144	0.51766	0.68218	0.91144	0.51686	0.68149
74	31	11.56316	24.08752	0.90813	0.47922	0.64794	0.90813	0.47832	0.64711	10.91391	20.95246	0.91144	0.51996	0.68417	0.91144	0.51910	0.68343

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
74	32	11.56316	23.94006	0.90813	0.48211	0.65057	0.90813	0.48114	0.64969	10.91391	20.85289	0.91144	0.52237	0.68626	0.91144	0.52145	0.68547
74	33	11.56316	23.78740	0.90813	0.48513	0.65332	0.90813	0.48410	0.65238	10.91391	20.74907	0.91144	0.52491	0.68844	0.91144	0.52392	0.68760
74	34	11.56316	23.62942	0.90813	0.48830	0.65618	0.90813	0.48719	0.65518	10.91391	20.64088	0.91144	0.52757	0.69073	0.91144	0.52652	0.68983
74	35	11.56316	23.46579	0.90813	0.49161	0.65917	0.90813	0.49042	0.65810	10.91391	20.52800	0.91144	0.53038	0.69314	0.91144	0.52925	0.69217
74	36	11.56316	23.29632	0.90813	0.49509	0.66229	0.90813	0.49381	0.66114	10.91391	20.41023	0.91144	0.53334	0.69565	0.91144	0.53212	0.69462
74	37	11.56316	23.12089	0.90813	0.49874	0.66554	0.90813	0.49735	0.66430	10.91391	20.28745	0.91144	0.53644	0.69829	0.91144	0.53513	0.69718
74	38	11.56316	22.93911	0.90813	0.50256	0.66894	0.90813	0.50105	0.66760	10.91391	20.15926	0.91144	0.53972	0.70106	0.91144	0.53830	0.69986
74	39	11.56316	22.75087	0.90813	0.50657	0.67248	0.90813	0.50493	0.67104	10.91391	20.02555	0.91144	0.54317	0.70396	0.91144	0.54163	0.70267
74	40	11.56316	22.55572	0.90813	0.51078	0.67618	0.90813	0.50899	0.67461	10.91391	19.88587	0.91144	0.54680	0.70701	0.91144	0.54512	0.70560
74	41	11.56316	22.35340	0.90813	0.51520	0.68005	0.90813	0.51324	0.67833	10.91391	19.73995	0.91144	0.55063	0.71020	0.91144	0.54879	0.70867
74	42	11.56316	22.14385	0.90813	0.51985	0.68408	0.90813	0.51769	0.68220	10.91391	19.58769	0.91144	0.55466	0.71355	0.91144	0.55264	0.71187
74	43	11.56316	21.92669	0.90813	0.52472	0.68828	0.90813	0.52233	0.68623	10.91391	19.42870	0.91144	0.55891	0.71706	0.91144	0.55668	0.71522
74	44	11.56316	21.70178	0.90813	0.52984	0.69268	0.90813	0.52720	0.69041	10.91391	19.26280	0.91144	0.56339	0.72073	0.91144	0.56093	0.71871
74	45	11.56316	21.46876	0.90813	0.53522	0.69726	0.90813	0.53228	0.69476	10.91391	19.08963	0.91144	0.56812	0.72458	0.91144	0.56538	0.72235
74	46	11.56316	21.22763	0.90813	0.54087	0.70203	0.90813	0.53760	0.69927	10.91391	18.90911	0.91144	0.57309	0.72862	0.91144	0.57004	0.72615
74	47	11.56316	20.97813	0.90813	0.54680	0.70701	0.90813	0.54316	0.70396	10.91391	18.72094	0.91144	0.57833	0.73284	0.91144	0.57494	0.73011
74	48	11.56316	20.72003	0.90813	0.55304	0.71220	0.90813	0.54897	0.70882	10.91391	18.52488	0.91144	0.58384	0.73725	0.91144	0.58006	0.73423
74	49	11.56316	20.45326	0.90813	0.55958	0.71760	0.90813	0.55504	0.71386	10.91391	18.32076	0.91144	0.58965	0.74186	0.91144	0.58543	0.73851
74	50	11.56316	20.17742	0.90813	0.56645	0.72323	0.90813	0.56138	0.71908	10.91391	18.10816	0.91144	0.59576	0.74668	0.91144	0.59105	0.74297
74	51	11.56316	19.89339	0.90813	0.57365	0.72907	0.90813	0.56799	0.72448	10.91391	17.88781	0.91144	0.60219	0.75171	0.91144	0.59694	0.74760
74	52	11.56316	19.60122	0.90813	0.58119	0.73513	0.90813	0.57489	0.73007	10.91391	17.65967	0.91144	0.60893	0.75693	0.91144	0.60309	0.75241
74	53	11.56316	19.30125	0.90813	0.58908	0.74141	0.90813	0.58209	0.73585	10.91391	17.42398	0.91144	0.61599	0.76237	0.91144	0.60952	0.75739
74	54	11.56316	18.99375	0.90813	0.59733	0.74791	0.90813	0.58960	0.74182	10.91391	17.18091	0.91144	0.62339	0.76801	0.91144	0.61624	0.76256
74	55	11.56316	18.67912	0.90813	0.60594	0.75462	0.90813	0.59742	0.74798	10.91391	16.93076	0.91144	0.63114	0.77386	0.91144	0.62326	0.76791
74	56	11.56316	18.35803	0.90813	0.61492	0.76155	0.90813	0.60556	0.75433	10.91391	16.67407	0.91144	0.63922	0.77991	0.91144	0.63058	0.77344
74	57	11.56316	18.02853	0.90813	0.62430	0.76870	0.90813	0.61402	0.76086	10.91391	16.40902	0.91144	0.64769	0.78618	0.91144	0.63821	0.77915
74	58	11.56316	17.69065	0.90813	0.63409	0.77608	0.90813	0.62282	0.76758	10.91391	16.13552	0.91144	0.65654	0.79266	0.91144	0.64615	0.78504
74	59	11.56316	17.34441	0.90813	0.64430	0.78367	0.90813	0.63194	0.77446	10.91391	15.85354	0.91144	0.66577	0.79936	0.91144	0.65440	0.79111
74	60	11.56316	16.98967	0.90813	0.65492	0.79148	0.90813	0.64138	0.78152	10.91391	15.56284	0.91144	0.67540	0.80626	0.91144	0.66297	0.79733
74	61	11.56316	16.62627	0.90813	0.66596	0.79949	0.90813	0.65115	0.78872	10.91391	15.26320	0.91144	0.68543	0.81336	0.91144	0.67184	0.80371
74	62	11.56316	16.25423	0.90813	0.67740	0.80768	0.90813	0.66122	0.79606	10.91391	14.95454	0.91144	0.69585	0.82065	0.91144	0.68101	0.81024
74	63	11.56316	15.87341	0.90813	0.68926	0.81605	0.90813	0.67158	0.80353	10.91391	14.63664	0.91144	0.70665	0.82811	0.91144	0.69046	0.81689
74	64	11.56316	15.48353	0.90813	0.70150	0.82456	0.90813	0.68222	0.81109	10.91391	14.30913	0.91144	0.71782	0.83574	0.91144	0.70017	0.82365
74	65	11.56316	15.08480	0.90813	0.71410	0.83321	0.90813	0.69310	0.81873	10.91391	13.97213	0.91144	0.72935	0.84350	0.91144	0.71014	0.83050
74	66	11.56316	14.67724	0.90813	0.72703	0.84194	0.90813	0.70420	0.82643	10.91391	13.62552	0.91144	0.74120	0.85137	0.91144	0.72032	0.83743
74	67	11.56316	14.26104	0.90813	0.74026	0.85074	0.90813	0.71550	0.83416	10.91391	13.26940	0.91144	0.75334	0.85932	0.91144	0.73070	0.84440
74	68	11.56316	13.83657	0.90813	0.75372	0.85957	0.90813	0.72694	0.84188	10.91391	12.90401	0.91144	0.76572	0.86732	0.91144	0.74123	0.85139
74	69	11.56316	13.40435	0.90813	0.76737	0.86838	0.90813	0.73849	0.84958	10.91391	12.52973	0.91144	0.77830	0.87533	0.91144	0.75188	0.85837
74	70	11.56316	12.96501	0.90813	0.78114	0.87712	0.90813	0.75011	0.85722	10.91391	12.14706	0.91144	0.79101	0.88331	0.91144	0.76261	0.86532
74	71	11.56316	12.51927	0.90813	0.79495	0.88576	0.90813	0.76175	0.86477	10.91391	11.75658	0.91144	0.80379	0.89122	0.91144	0.77338	0.87221
74	72	11.56316	12.06792	0.90813	0.80872	0.89424	0.90813	0.77336	0.87220	10.91391	11.35893	0.91144	0.81656	0.89902	0.91144	0.78415	0.87902

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
74	73	11.56316	11.61185	0.90813	0.82237	0.90253	0.90813	0.78490	0.87949	10.91391	10.95491	0.91144	0.82925	0.90666	0.91144	0.79487	0.88571
74	74	11.56316	11.15217	0.90813	0.83581	0.91056	0.90813	0.79632	0.88661	10.91391	10.54549	0.91144	0.84179	0.91410	0.91144	0.80549	0.89227
74	75	11.56316	10.68986	0.90813	0.84897	0.91831	0.90813	0.80756	0.89354	10.91391	10.13154	0.91144	0.85409	0.92130	0.91144	0.81597	0.89866
74	76	11.56316	10.22626	0.90813	0.86175	0.92574	0.90813	0.81859	0.90025	10.91391	9.71428	0.91144	0.86608	0.92823	0.91144	0.82628	0.90488
74	77	11.56316	9.76277	0.90813	0.87407	0.93280	0.90813	0.82936	0.90672	10.91391	9.29502	0.91144	0.87768	0.93486	0.91144	0.83636	0.91089
74	78	11.56316	9.30064	0.90813	0.88587	0.93948	0.90813	0.83983	0.91295	10.91391	8.87492	0.91144	0.88882	0.94114	0.91144	0.84618	0.91668
74	79	11.56316	8.84103	0.90813	0.89710	0.94576	0.90813	0.84997	0.91890	10.91391	8.45509	0.91144	0.89946	0.94707	0.91144	0.85571	0.92225
74	80	11.56316	8.38551	0.90813	0.90768	0.95161	0.90813	0.85975	0.92459	10.91391	8.03703	0.91144	0.90953	0.95262	0.91144	0.86492	0.92757
74	81	11.56316	7.93532	0.90813	0.91760	0.95703	0.90813	0.86914	0.92999	10.91391	7.62196	0.91144	0.91899	0.95779	0.91144	0.87378	0.93264
74	82	11.56316	7.49211	0.90813	0.92681	0.96201	0.90813	0.87811	0.93510	10.91391	7.21152	0.91144	0.92782	0.96256	0.91144	0.88227	0.93745
74	83	11.56316	7.05756	0.90813	0.93530	0.96657	0.90813	0.88666	0.93993	10.91391	6.80735	0.91144	0.93600	0.96694	0.91144	0.89037	0.94201
74	84	11.56316	6.63342	0.90813	0.94307	0.97070	0.90813	0.89477	0.94446	10.91391	6.41122	0.91144	0.94350	0.97093	0.91144	0.89807	0.94630
74	85	11.56316	6.22156	0.90813	0.95012	0.97442	0.90813	0.90243	0.94871	10.91391	6.02503	0.91144	0.95035	0.97454	0.91144	0.90535	0.95033
74	86	11.56316	5.82374	0.90813	0.95647	0.97775	0.90813	0.90963	0.95268	10.91391	5.65055	0.91144	0.95653	0.97778	0.91144	0.91222	0.95410
74	87	11.56316	5.44155	0.90813	0.96214	0.98070	0.90813	0.91638	0.95636	10.91391	5.28949	0.91144	0.96208	0.98067	0.91144	0.91867	0.95761
74	88	11.56316	5.07613	0.90813	0.96717	0.98331	0.90813	0.92268	0.95978	10.91391	4.94306	0.91144	0.96702	0.98323	0.91144	0.92470	0.96088
74	89	11.56316	4.72862	0.90813	0.97161	0.98560	0.90813	0.92854	0.96295	10.91391	4.61250	0.91144	0.97140	0.98549	0.91144	0.93032	0.96390
74	90	11.56316	4.40007	0.90813	0.97549	0.98759	0.90813	0.93398	0.96586	10.91391	4.29901	0.91144	0.97524	0.98747	0.91144	0.93555	0.96670
74	91	11.56316	4.09149	0.90813	0.97887	0.98932	0.90813	0.93901	0.96854	10.91391	4.00370	0.91144	0.97860	0.98918	0.91144	0.94039	0.96928
74	92	11.56316	3.80354	0.90813	0.98180	0.99082	0.90813	0.94364	0.97101	10.91391	3.72738	0.91144	0.98152	0.99067	0.91144	0.94486	0.97165
74	93	11.56316	3.53621	0.90813	0.98432	0.99210	0.90813	0.94791	0.97326	10.91391	3.47020	0.91144	0.98404	0.99195	0.91144	0.94898	0.97382
74	94	11.56316	3.28870	0.90813	0.98649	0.99320	0.90813	0.95184	0.97532	10.91391	3.23152	0.91144	0.98621	0.99306	0.91144	0.95277	0.97582
74	95	11.56316	3.05955	0.90813	0.98835	0.99414	0.90813	0.95544	0.97721	10.91391	3.01004	0.91144	0.98808	0.99400	0.91144	0.95626	0.97764
74	96	11.56316	2.84646	0.90813	0.98994	0.99495	0.90813	0.95873	0.97893	10.91391	2.80360	0.91144	0.98969	0.99482	0.91144	0.95945	0.97931
74	97	11.56316	2.65226	0.90813	0.99130	0.99563	0.90813	0.96172	0.98049	10.91391	2.61510	0.91144	0.99106	0.99551	0.91144	0.96236	0.98082
74	98	11.56316	2.47567	0.90813	0.99245	0.99621	0.90813	0.96445	0.98191	10.91391	2.44340	0.91144	0.99223	0.99610	0.91144	0.96502	0.98220
74	99	11.56316	2.31535	0.90813	0.99342	0.99670	0.90813	0.96694	0.98319	10.91391	2.28724	0.91144	0.99322	0.99660	0.91144	0.96744	0.98345
74	100	11.56316	2.16976	0.90813	0.99425	0.99712	0.90813	0.96920	0.98436	10.91391	2.14523	0.91144	0.99407	0.99703	0.91144	0.96965	0.98459
74	101	11.56316	2.03734	0.90813	0.99496	0.99747	0.90813	0.97126	0.98542	10.91391	2.01587	0.91144	0.99479	0.99739	0.91144	0.97166	0.98563
74	102	11.56316	1.91714	0.90813	0.99557	0.99778	0.90813	0.97313	0.98638	10.91391	1.89830	0.91144	0.99541	0.99770	0.91144	0.97349	0.98657
74	103	11.56316	1.80800	0.90813	0.99608	0.99804	0.90813	0.97483	0.98726	10.91391	1.79140	0.91144	0.99594	0.99796	0.91144	0.97515	0.98742
74	104	11.56316	1.70943	0.90813	0.99652	0.99826	0.90813	0.97636	0.98804	10.91391	1.69474	0.91144	0.99639	0.99819	0.91144	0.97665	0.98819
74	105	11.56316	1.62048	0.90813	0.99689	0.99844	0.90813	0.97773	0.98874	10.91391	1.60741	0.91144	0.99677	0.99838	0.91144	0.97800	0.98888
74	106	11.56316	1.54080	0.90813	0.99720	0.99860	0.90813	0.97895	0.98936	10.91391	1.52911	0.91144	0.99709	0.99854	0.91144	0.97919	0.98948
74	107	11.56316	1.47009	0.90813	0.99746	0.99873	0.90813	0.97999	0.98990	10.91391	1.45954	0.91144	0.99736	0.99868	0.91144	0.98022	0.99001
74	108	11.56316	1.40861	0.90813	0.99767	0.99884	0.90813	0.98086	0.99034	10.91391	1.39898	0.91144	0.99758	0.99879	0.91144	0.98107	0.99045
74	109	11.56316	1.35764	0.90813	0.99784	0.99892	0.90813	0.98153	0.99068	10.91391	1.34871	0.91144	0.99775	0.99887	0.91144	0.98173	0.99078
74	110	11.56316	1.32125	0.90813	0.99795	0.99897	0.90813	0.98198	0.99091	10.91391	1.31279	0.91144	0.99786	0.99893	0.91144	0.98218	0.99101
75	1	11.09636	26.72925	0.89945	0.41498	0.58656	0.89945	0.41476	0.58634	10.49761	22.57586	0.90307	0.46480	0.63463	0.90307	0.46459	0.63443
75	2	11.09636	26.68154	0.89945	0.41573	0.58730	0.89945	0.41552	0.58709	10.49761	22.55058	0.90307	0.46533	0.63512	0.90307	0.46512	0.63493
75	3	11.09636	26.63112	0.89945	0.41652	0.58809	0.89945	0.41630	0.58787	10.49761	22.52338	0.90307	0.46589	0.63564	0.90307	0.46569	0.63545

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
75	4	11.09636	26.57806	0.89945	0.41734	0.58891	0.89945	0.41712	0.58869	10.49761	22.49433	0.90307	0.46649	0.63620	0.90307	0.46628	0.63600		
75	5	11.09636	26.52283	0.89945	0.41821	0.58977	0.89945	0.41798	0.58954	10.49761	22.46379	0.90307	0.46712	0.63678	0.90307	0.46689	0.63657		
75	6	11.09636	26.46539	0.89945	0.41910	0.59066	0.89945	0.41886	0.59042	10.49761	22.43176	0.90307	0.46777	0.63739	0.90307	0.46754	0.63717		
75	7	11.09636	26.40551	0.89945	0.42004	0.59159	0.89945	0.41979	0.59134	10.49761	22.39806	0.90307	0.46846	0.63803	0.90307	0.46822	0.63780		
75	8	11.09636	26.34335	0.89945	0.42102	0.59256	0.89945	0.42075	0.59229	10.49761	22.36278	0.90307	0.46919	0.63870	0.90307	0.46892	0.63846		
75	9	11.09636	26.27867	0.89945	0.42204	0.59357	0.89945	0.42175	0.59329	10.49761	22.32575	0.90307	0.46995	0.63941	0.90307	0.46967	0.63915		
75	10	11.09636	26.21121	0.89945	0.42311	0.59463	0.89945	0.42280	0.59432	10.49761	22.28674	0.90307	0.47075	0.64015	0.90307	0.47044	0.63986		
75	11	11.09636	26.14141	0.89945	0.42422	0.59573	0.89945	0.42388	0.59539	10.49761	22.24611	0.90307	0.47159	0.64092	0.90307	0.47125	0.64062		
75	12	11.09636	26.06892	0.89945	0.42538	0.59687	0.89945	0.42502	0.59651	10.49761	22.20360	0.90307	0.47247	0.64173	0.90307	0.47211	0.64140		
75	13	11.09636	25.99388	0.89945	0.42659	0.59805	0.89945	0.42619	0.59767	10.49761	22.15929	0.90307	0.47338	0.64258	0.90307	0.47300	0.64222		
75	14	11.09636	25.91617	0.89945	0.42785	0.59929	0.89945	0.42742	0.59887	10.49761	22.11310	0.90307	0.47435	0.64347	0.90307	0.47393	0.64308		
75	15	11.09636	25.83587	0.89945	0.42915	0.60057	0.89945	0.42870	0.60013	10.49761	22.06509	0.90307	0.47535	0.64439	0.90307	0.47491	0.64398		
75	16	11.09636	25.75319	0.89945	0.43051	0.60190	0.89945	0.43004	0.60143	10.49761	22.01544	0.90307	0.47640	0.64536	0.90307	0.47593	0.64493		
75	17	11.09636	25.66857	0.89945	0.43192	0.60327	0.89945	0.43143	0.60280	10.49761	21.96453	0.90307	0.47749	0.64636	0.90307	0.47701	0.64591		
75	18	11.09636	25.58235	0.89945	0.43338	0.60469	0.89945	0.43288	0.60421	10.49761	21.91267	0.90307	0.47862	0.64739	0.90307	0.47814	0.64695		
75	19	11.09636	25.49361	0.89945	0.43489	0.60616	0.89945	0.43441	0.60570	10.49761	21.85907	0.90307	0.47980	0.64847	0.90307	0.47933	0.64804		
75	20	11.09636	25.40164	0.89945	0.43647	0.60770	0.89945	0.43600	0.60724	10.49761	21.80312	0.90307	0.48105	0.64960	0.90307	0.48058	0.64918		
75	21	11.09636	25.30562	0.89945	0.43813	0.60931	0.89945	0.43767	0.60886	10.49761	21.74411	0.90307	0.48236	0.65080	0.90307	0.48190	0.65038		
75	22	11.09636	25.20517	0.89945	0.43987	0.61099	0.89945	0.43941	0.61054	10.49761	21.68171	0.90307	0.48374	0.65206	0.90307	0.48329	0.65165		
75	23	11.09636	25.09967	0.89945	0.44171	0.61276	0.89945	0.44123	0.61230	10.49761	21.61537	0.90307	0.48521	0.65339	0.90307	0.48475	0.65297		
75	24	11.09636	24.98936	0.89945	0.44364	0.61461	0.89945	0.44313	0.61413	10.49761	21.54528	0.90307	0.48677	0.65480	0.90307	0.48628	0.65436		
75	25	11.09636	24.87419	0.89945	0.44566	0.61655	0.89945	0.44512	0.61603	10.49761	21.47137	0.90307	0.48841	0.65629	0.90307	0.48789	0.65581		
75	26	11.09636	24.75420	0.89945	0.44779	0.61858	0.89945	0.44720	0.61802	10.49761	21.39367	0.90307	0.49014	0.65785	0.90307	0.48958	0.65734		
75	27	11.09636	24.62994	0.89945	0.45001	0.62070	0.89945	0.44938	0.62010	10.49761	21.31262	0.90307	0.49196	0.65948	0.90307	0.49135	0.65894		
75	28	11.09636	24.50119	0.89945	0.45233	0.62290	0.89945	0.45165	0.62225	10.49761	21.22804	0.90307	0.49387	0.66120	0.90307	0.49322	0.66061		
75	29	11.09636	24.36788	0.89945	0.45476	0.62520	0.89945	0.45402	0.62450	10.49761	21.13984	0.90307	0.49588	0.66300	0.90307	0.49517	0.66236		
75	30	11.09636	24.23009	0.89945	0.45729	0.62759	0.89945	0.45651	0.62685	10.49761	21.04806	0.90307	0.49799	0.66488	0.90307	0.49723	0.66420		
75	31	11.09636	24.08752	0.89945	0.45995	0.63009	0.89945	0.45910	0.62929	10.49761	20.95246	0.90307	0.50021	0.66685	0.90307	0.49939	0.66612		
75	32	11.09636	23.94006	0.89945	0.46273	0.63269	0.89945	0.46182	0.63184	10.49761	20.85289	0.90307	0.50253	0.66891	0.90307	0.50166	0.66814		
75	33	11.09636	23.78740	0.89945	0.46564	0.63540	0.89945	0.46467	0.63450	10.49761	20.74907	0.90307	0.50498	0.67108	0.90307	0.50405	0.67026		
75	34	11.09636	23.62942	0.89945	0.46868	0.63824	0.89945	0.46764	0.63727	10.49761	20.64088	0.90307	0.50756	0.67335	0.90307	0.50656	0.67247		
75	35	11.09636	23.46579	0.89945	0.47188	0.64119	0.89945	0.47076	0.64016	10.49761	20.52800	0.90307	0.51027	0.67573	0.90307	0.50920	0.67479		
75	36	11.09636	23.29632	0.89945	0.47523	0.64428	0.89945	0.47403	0.64317	10.49761	20.41023	0.90307	0.51312	0.67823	0.90307	0.51197	0.67723		
75	37	11.09636	23.12089	0.89945	0.47874	0.64750	0.89945	0.47744	0.64631	10.49761	20.28745	0.90307	0.51613	0.68085	0.90307	0.51489	0.67977		
75	38	11.09636	22.93911	0.89945	0.48242	0.65086	0.89945	0.48102	0.64958	10.49761	20.15926	0.90307	0.51929	0.68360	0.90307	0.51796	0.68244		
75	39	11.09636	22.75087	0.89945	0.48629	0.65437	0.89945	0.48477	0.65299	10.49761	20.02555	0.90307	0.52263	0.68648	0.90307	0.52118	0.68523		
75	40	11.09636	22.55572	0.89945	0.49035	0.65803	0.89945	0.48869	0.65653	10.49761	19.88587	0.90307	0.52614	0.68951	0.90307	0.52456	0.68815		
75	41	11.09636	22.35340	0.89945	0.49462	0.66187	0.89945	0.49279	0.66023	10.49761	19.73995	0.90307	0.52985	0.69268	0.90307	0.52812	0.69120		
75	42	11.09636	22.14385	0.89945	0.49910	0.66587	0.89945	0.49709	0.66408	10.49761	19.58769	0.90307	0.53376	0.69601	0.90307	0.53186	0.69440		
75	43	11.09636	21.92669	0.89945	0.50381	0.67005	0.89945	0.50159	0.66808	10.49761	19.42870	0.90307	0.53788	0.69951	0.90307	0.53578	0.69773		
75	44	11.09636	21.70178	0.89945	0.50876	0.67441	0.89945	0.50630	0.67224	10.49761	19.26280	0.90307	0.54222	0.70317	0.90307	0.53991	0.70122		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
75	45	11.09636	21.46876	0.89945	0.51397	0.67897	0.89945	0.51123	0.67657	10.49761	19.08963	0.90307	0.54681	0.70701	0.90307	0.54423	0.70486				
75	46	11.09636	21.22763	0.89945	0.51943	0.68372	0.89945	0.51638	0.68107	10.49761	18.90911	0.90307	0.55164	0.71104	0.90307	0.54877	0.70865				
75	47	11.09636	20.97813	0.89945	0.52518	0.68868	0.89945	0.52178	0.68575	10.49761	18.72094	0.90307	0.55673	0.71525	0.90307	0.55353	0.71261				
75	48	11.09636	20.72003	0.89945	0.53122	0.69386	0.89945	0.52742	0.69060	10.49761	18.52488	0.90307	0.56210	0.71967	0.90307	0.55853	0.71674				
75	49	11.09636	20.45326	0.89945	0.53757	0.69925	0.89945	0.53332	0.69564	10.49761	18.32076	0.90307	0.56775	0.72429	0.90307	0.56376	0.72103				
75	50	11.09636	20.17742	0.89945	0.54425	0.70487	0.89945	0.53948	0.70086	10.49761	18.10816	0.90307	0.57371	0.72912	0.90307	0.56925	0.72551				
75	51	11.09636	19.89339	0.89945	0.55125	0.71072	0.89945	0.54592	0.70627	10.49761	17.88781	0.90307	0.57998	0.73416	0.90307	0.57500	0.73016				
75	52	11.09636	19.60122	0.89945	0.55859	0.71679	0.89945	0.55265	0.71188	10.49761	17.65967	0.90307	0.58657	0.73942	0.90307	0.58102	0.73499				
75	53	11.09636	19.30125	0.89945	0.56628	0.72309	0.89945	0.55968	0.71769	10.49761	17.42398	0.90307	0.59348	0.74489	0.90307	0.58732	0.74001				
75	54	11.09636	18.99375	0.89945	0.57434	0.72962	0.89945	0.56702	0.72369	10.49761	17.18091	0.90307	0.60073	0.75057	0.90307	0.59391	0.74522				
75	55	11.09636	18.67912	0.89945	0.58276	0.73639	0.89945	0.57468	0.72990	10.49761	16.93076	0.90307	0.60833	0.75648	0.90307	0.60080	0.75063				
75	56	11.09636	18.35803	0.89945	0.59156	0.74337	0.89945	0.58267	0.73631	10.49761	16.67407	0.90307	0.61628	0.76259	0.90307	0.60801	0.75623				
75	57	11.09636	18.02853	0.89945	0.60077	0.75060	0.89945	0.59099	0.74292	10.49761	16.40902	0.90307	0.62462	0.76895	0.90307	0.61553	0.76202				
75	58	11.09636	17.69065	0.89945	0.61040	0.75808	0.89945	0.59965	0.74973	10.49761	16.13552	0.90307	0.63336	0.77553	0.90307	0.62339	0.76801				
75	59	11.09636	17.34441	0.89945	0.62047	0.76579	0.89945	0.60867	0.75673	10.49761	15.85354	0.90307	0.64250	0.78235	0.90307	0.63157	0.77418				
75	60	11.09636	16.98967	0.89945	0.63097	0.77374	0.89945	0.61802	0.76392	10.49761	15.56284	0.90307	0.65206	0.78939	0.90307	0.64008	0.78054				
75	61	11.09636	16.62627	0.89945	0.64193	0.78192	0.89945	0.62772	0.77129	10.49761	15.26320	0.90307	0.66205	0.79666	0.90307	0.64892	0.78708				
75	62	11.09636	16.25423	0.89945	0.65333	0.79032	0.89945	0.63775	0.77881	10.49761	14.95454	0.90307	0.67245	0.80415	0.90307	0.65808	0.79378				
75	63	11.09636	15.87341	0.89945	0.66517	0.79892	0.89945	0.64811	0.78649	10.49761	14.63664	0.90307	0.68328	0.81185	0.90307	0.66755	0.80064				
75	64	11.09636	15.48353	0.89945	0.67745	0.80771	0.89945	0.65878	0.79430	10.49761	14.30913	0.90307	0.69453	0.81973	0.90307	0.67733	0.80763				
75	65	11.09636	15.08480	0.89945	0.69015	0.81667	0.89945	0.66974	0.80221	10.49761	13.97213	0.90307	0.70618	0.82779	0.90307	0.68740	0.81474				
75	66	11.09636	14.67724	0.89945	0.70324	0.82577	0.89945	0.68097	0.81021	10.49761	13.62552	0.90307	0.71821	0.83600	0.90307	0.69772	0.82195				
75	67	11.09636	14.26104	0.89945	0.71670	0.83498	0.89945	0.69244	0.81827	10.49761	13.26940	0.90307	0.73060	0.84433	0.90307	0.70829	0.82924				
75	68	11.09636	13.83657	0.89945	0.73048	0.84425	0.89945	0.70411	0.82637	10.49761	12.90401	0.90307	0.74330	0.85275	0.90307	0.71906	0.83657				
75	69	11.09636	13.40435	0.89945	0.74452	0.85356	0.89945	0.71594	0.83446	10.49761	12.52973	0.90307	0.75628	0.86123	0.90307	0.73000	0.84393				
75	70	11.09636	12.96501	0.89945	0.75877	0.86284	0.89945	0.72790	0.84253	10.49761	12.14706	0.90307	0.76946	0.86971	0.90307	0.74107	0.85128				
75	71	11.09636	12.51927	0.89945	0.77315	0.87206	0.89945	0.73994	0.85053	10.49761	11.75658	0.90307	0.78279	0.87817	0.90307	0.75224	0.85860				
75	72	11.09636	12.06792	0.89945	0.78758	0.88117	0.89945	0.75201	0.85845	10.49761	11.35893	0.90307	0.79621	0.88654	0.90307	0.76345	0.86586				
75	73	11.09636	11.61185	0.89945	0.80199	0.89011	0.89945	0.76406	0.86625	10.49761	10.95491	0.90307	0.80962	0.89480	0.90307	0.77467	0.87303				
75	74	11.09636	11.15217	0.89945	0.81627	0.89884	0.89945	0.77603	0.87390	10.49761	10.54549	0.90307	0.82295	0.90288	0.90307	0.78584	0.88008				
75	75	11.09636	10.68986	0.89945	0.83033	0.90730	0.89945	0.78790	0.88137	10.49761	10.13154	0.90307	0.83612	0.91075	0.90307	0.79692	0.88698				
75	76	11.09636	10.22626	0.89945	0.84410	0.91546	0.89945	0.79959	0.88863	10.49761	9.71428	0.90307	0.84904	0.91836	0.90307	0.80786	0.89372				
75	77	11.09636	9.76277	0.89945	0.85746	0.92326	0.89945	0.81106	0.89567	10.49761	9.29502	0.90307	0.86162	0.92567	0.90307	0.81862	0.90026				
75	78	11.09636	9.30064	0.89945	0.87034	0.93068	0.89945	0.82226	0.90246	10.49761	8.87492	0.90307	0.87379	0.93264	0.90307	0.82915	0.90660				
75	79	11.09636	8.84103	0.89945	0.88267	0.93768	0.89945	0.83317	0.90899	10.49761	8.45509	0.90307	0.88547	0.93926	0.90307	0.83941	0.91270				
75	80	11.09636	8.38551	0.89945	0.89438	0.94424	0.89945	0.84373	0.91524	10.49761	8.03703	0.90307	0.89660	0.94548	0.90307	0.84937	0.91855				
75	81	11.09636	7.93532	0.89945	0.90541	0.95036	0.89945	0.85391	0.92120	10.49761	7.62196	0.90307	0.90713	0.95130	0.90307	0.85899	0.92415				
75	82	11.09636	7.49211	0.89945	0.91572	0.95601	0.89945	0.86368	0.92686	10.49761	7.21152	0.90307	0.91700	0.95670	0.90307	0.86825	0.92948				
75	83	11.09636	7.05756	0.89945	0.92528	0.96119	0.89945	0.87303	0.93221	10.49761	6.80735	0.90307	0.92619	0.96168	0.90307	0.87711	0.93453				
75	84	11.09636	6.63342	0.89945	0.93407	0.96591	0.89945	0.88192	0.93726	10.49761	6.41122	0.90307	0.93468	0.96624	0.90307	0.88557	0.93931				
75	85	11.09636	6.22156	0.89945	0.94208	0.97018	0.89945	0.89035	0.94200	10.49761	6.02503	0.90307	0.94245	0.97037	0.90307	0.89360	0.94381				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
75	86	11.09636	5.82374	0.89945	0.94933	0.97401	0.89945	0.89831	0.94643	10.49761	5.65055	0.90307	0.94950	0.97410	0.90307	0.90119	0.94803
75	87	11.09636	5.44155	0.89945	0.95584	0.97742	0.89945	0.90579	0.95056	10.49761	5.28949	0.90307	0.95585	0.97743	0.90307	0.90834	0.95197
75	88	11.09636	5.07613	0.89945	0.96163	0.98044	0.89945	0.91279	0.95440	10.49761	4.94306	0.90307	0.96153	0.98039	0.90307	0.91504	0.95564
75	89	11.09636	4.72862	0.89945	0.96676	0.98310	0.89945	0.91931	0.95796	10.49761	4.61250	0.90307	0.96658	0.98301	0.90307	0.92130	0.95904
75	90	11.09636	4.40007	0.89945	0.97126	0.98542	0.89945	0.92538	0.96125	10.49761	4.29901	0.90307	0.97103	0.98530	0.90307	0.92714	0.96219
75	91	11.09636	4.09149	0.89945	0.97519	0.98744	0.89945	0.93101	0.96427	10.49761	4.00370	0.90307	0.97492	0.98730	0.90307	0.93255	0.96510
75	92	11.09636	3.80354	0.89945	0.97860	0.98918	0.89945	0.93620	0.96705	10.49761	3.72738	0.90307	0.97831	0.98904	0.90307	0.93756	0.96777
75	93	11.09636	3.53621	0.89945	0.98154	0.99069	0.89945	0.94099	0.96960	10.49761	3.47020	0.90307	0.98125	0.99054	0.90307	0.94219	0.97023
75	94	11.09636	3.28870	0.89945	0.98408	0.99197	0.89945	0.94540	0.97193	10.49761	3.23152	0.90307	0.98378	0.99183	0.90307	0.94646	0.97249
75	95	11.09636	3.05955	0.89945	0.98625	0.99308	0.89945	0.94945	0.97407	10.49761	3.01004	0.90307	0.98597	0.99294	0.90307	0.95038	0.97456
75	96	11.09636	2.84646	0.89945	0.98813	0.99403	0.89945	0.95316	0.97602	10.49761	2.80360	0.90307	0.98786	0.99389	0.90307	0.95398	0.97645
75	97	11.09636	2.65226	0.89945	0.98972	0.99483	0.89945	0.95654	0.97779	10.49761	2.61510	0.90307	0.98947	0.99471	0.90307	0.95727	0.97817
75	98	11.09636	2.47567	0.89945	0.99107	0.99552	0.89945	0.95963	0.97940	10.49761	2.44340	0.90307	0.99084	0.99540	0.90307	0.96027	0.97973
75	99	11.09636	2.31535	0.89945	0.99222	0.99610	0.89945	0.96244	0.98086	10.49761	2.28724	0.90307	0.99200	0.99599	0.90307	0.96300	0.98115
75	100	11.09636	2.16976	0.89945	0.99320	0.99659	0.89945	0.96500	0.98219	10.49761	2.14523	0.90307	0.99300	0.99649	0.90307	0.96550	0.98245
75	101	11.09636	2.03734	0.89945	0.99404	0.99701	0.89945	0.96733	0.98339	10.49761	2.01587	0.90307	0.99385	0.99692	0.90307	0.96778	0.98363
75	102	11.09636	1.91714	0.89945	0.99475	0.99737	0.89945	0.96945	0.98449	10.49761	1.89830	0.90307	0.99458	0.99728	0.90307	0.96985	0.98469
75	103	11.09636	1.80800	0.89945	0.99536	0.99767	0.89945	0.97137	0.98548	10.49761	1.79140	0.90307	0.99520	0.99759	0.90307	0.97173	0.98566
75	104	11.09636	1.70943	0.89945	0.99587	0.99793	0.89945	0.97311	0.98637	10.49761	1.69474	0.90307	0.99573	0.99786	0.90307	0.97344	0.98654
75	105	11.09636	1.62048	0.89945	0.99631	0.99815	0.89945	0.97466	0.98717	10.49761	1.60741	0.90307	0.99618	0.99809	0.90307	0.97496	0.98732
75	106	11.09636	1.54080	0.89945	0.99668	0.99834	0.89945	0.97604	0.98787	10.49761	1.52911	0.90307	0.99656	0.99828	0.90307	0.97631	0.98802
75	107	11.09636	1.47009	0.89945	0.99699	0.99849	0.89945	0.97723	0.98848	10.49761	1.45954	0.90307	0.99688	0.99844	0.90307	0.97748	0.98861
75	108	11.09636	1.40861	0.89945	0.99724	0.99862	0.89945	0.97822	0.98899	10.49761	1.39898	0.90307	0.99714	0.99857	0.90307	0.97846	0.98911
75	109	11.09636	1.35764	0.89945	0.99743	0.99872	0.89945	0.97897	0.98937	10.49761	1.34871	0.90307	0.99734	0.99867	0.90307	0.97920	0.98949
75	110	11.09636	1.32125	0.89945	0.99756	0.99878	0.89945	0.97949	0.98964	10.49761	1.31279	0.90307	0.99747	0.99873	0.90307	0.97971	0.98975
76	1	10.62736	26.72925	0.89038	0.39746	0.56883	0.89038	0.39725	0.56862	10.07713	22.57586	0.89430	0.44620	0.61707	0.89430	0.44600	0.61687
76	2	10.62736	26.68154	0.89038	0.39817	0.56956	0.89038	0.39797	0.56936	10.07713	22.55058	0.89430	0.44671	0.61755	0.89430	0.44651	0.61736
76	3	10.62736	26.63112	0.89038	0.39893	0.57033	0.89038	0.39873	0.57013	10.07713	22.52338	0.89430	0.44725	0.61807	0.89430	0.44705	0.61788
76	4	10.62736	26.57806	0.89038	0.39972	0.57114	0.89038	0.39951	0.57093	10.07713	22.49433	0.89430	0.44782	0.61861	0.89430	0.44762	0.61842
76	5	10.62736	26.52283	0.89038	0.40054	0.57198	0.89038	0.40033	0.57177	10.07713	22.46379	0.89430	0.44842	0.61919	0.89430	0.44821	0.61899
76	6	10.62736	26.46539	0.89038	0.40141	0.57286	0.89038	0.40118	0.57263	10.07713	22.43176	0.89430	0.44905	0.61979	0.89430	0.44883	0.61958
76	7	10.62736	26.40551	0.89038	0.40231	0.57378	0.89038	0.40207	0.57354	10.07713	22.39806	0.89430	0.44972	0.62042	0.89430	0.44949	0.62020
76	8	10.62736	26.34335	0.89038	0.40325	0.57473	0.89038	0.40299	0.57448	10.07713	22.36278	0.89430	0.45042	0.62109	0.89430	0.45017	0.62085
76	9	10.62736	26.27867	0.89038	0.40423	0.57573	0.89038	0.40395	0.57545	10.07713	22.32575	0.89430	0.45115	0.62178	0.89430	0.45088	0.62153
76	10	10.62736	26.21121	0.89038	0.40525	0.57677	0.89038	0.40495	0.57647	10.07713	22.28674	0.89430	0.45192	0.62251	0.89430	0.45163	0.62223
76	11	10.62736	26.14141	0.89038	0.40631	0.57784	0.89038	0.40599	0.57752	10.07713	22.24611	0.89430	0.45272	0.62327	0.89430	0.45241	0.62298
76	12	10.62736	26.06892	0.89038	0.40743	0.57897	0.89038	0.40708	0.57862	10.07713	22.20360	0.89430	0.45357	0.62407	0.89430	0.45323	0.62375
76	13	10.62736	25.99388	0.89038	0.40858	0.58013	0.89038	0.40821	0.57976	10.07713	22.15929	0.89430	0.45445	0.62491	0.89430	0.45408	0.62456
76	14	10.62736	25.91617	0.89038	0.40979	0.58135	0.89038	0.40939	0.58094	10.07713	22.11310	0.89430	0.45538	0.62578	0.89430	0.45498	0.62541
76	15	10.62736	25.83587	0.89038	0.41104	0.58261	0.89038	0.41061	0.58218	10.07713	22.06509	0.89430	0.45634	0.62670	0.89430	0.45592	0.62630
76	16	10.62736	25.75319	0.89038	0.41234	0.58391	0.89038	0.41189	0.58346	10.07713	22.01544	0.89430	0.45735	0.62765	0.89430	0.45690	0.62723

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
76	17	10.62736	25.66857	0.89038	0.41369	0.58527	0.89038	0.41323	0.58480	10.07713	21.96453	0.89430	0.45840	0.62863	0.89430	0.45794	0.62820
76	18	10.62736	25.58235	0.89038	0.41509	0.58666	0.89038	0.41462	0.58620	10.07713	21.91267	0.89430	0.45949	0.62965	0.89430	0.45902	0.62922
76	19	10.62736	25.49361	0.89038	0.41654	0.58811	0.89038	0.41608	0.58765	10.07713	21.85907	0.89430	0.46062	0.63072	0.89430	0.46017	0.63030
76	20	10.62736	25.40164	0.89038	0.41805	0.58962	0.89038	0.41761	0.58917	10.07713	21.80312	0.89430	0.46181	0.63183	0.89430	0.46137	0.63142
76	21	10.62736	25.30562	0.89038	0.41964	0.59120	0.89038	0.41921	0.59076	10.07713	21.74411	0.89430	0.46307	0.63301	0.89430	0.46264	0.63261
76	22	10.62736	25.20517	0.89038	0.42132	0.59285	0.89038	0.42088	0.59242	10.07713	21.68171	0.89430	0.46440	0.63426	0.89430	0.46398	0.63386
76	23	10.62736	25.09967	0.89038	0.42308	0.59459	0.89038	0.42263	0.59415	10.07713	21.61537	0.89430	0.46582	0.63557	0.89430	0.46538	0.63516
76	24	10.62736	24.98936	0.89038	0.42493	0.59642	0.89038	0.42445	0.59595	10.07713	21.54528	0.89430	0.46731	0.63697	0.89430	0.46685	0.63654
76	25	10.62736	24.87419	0.89038	0.42687	0.59833	0.89038	0.42636	0.59783	10.07713	21.47137	0.89430	0.46889	0.63843	0.89430	0.46840	0.63797
76	26	10.62736	24.75420	0.89038	0.42890	0.60033	0.89038	0.42836	0.59979	10.07713	21.39367	0.89430	0.47056	0.63997	0.89430	0.47003	0.63948
76	27	10.62736	24.62994	0.89038	0.43103	0.60241	0.89038	0.43044	0.60183	10.07713	21.31262	0.89430	0.47231	0.64159	0.89430	0.47173	0.64106
76	28	10.62736	24.50119	0.89038	0.43326	0.60458	0.89038	0.43262	0.60396	10.07713	21.22804	0.89430	0.47415	0.64328	0.89430	0.47353	0.64271
76	29	10.62736	24.36788	0.89038	0.43559	0.60685	0.89038	0.43490	0.60618	10.07713	21.13984	0.89430	0.47608	0.64506	0.89430	0.47541	0.64445
76	30	10.62736	24.23009	0.89038	0.43803	0.60921	0.89038	0.43729	0.60849	10.07713	21.04806	0.89430	0.47811	0.64692	0.89430	0.47739	0.64626
76	31	10.62736	24.08752	0.89038	0.44057	0.61167	0.89038	0.43978	0.61090	10.07713	20.95246	0.89430	0.48024	0.64887	0.89430	0.47947	0.64817
76	32	10.62736	23.94006	0.89038	0.44324	0.61423	0.89038	0.44240	0.61342	10.07713	20.85289	0.89430	0.48248	0.65091	0.89430	0.48166	0.65017
76	33	10.62736	23.78740	0.89038	0.44604	0.61691	0.89038	0.44513	0.61604	10.07713	20.74907	0.89430	0.48484	0.65305	0.89430	0.48396	0.65226
76	34	10.62736	23.62942	0.89038	0.44896	0.61970	0.89038	0.44799	0.61878	10.07713	20.64088	0.89430	0.48732	0.65530	0.89430	0.48638	0.65445
76	35	10.62736	23.46579	0.89038	0.45203	0.62262	0.89038	0.45099	0.62163	10.07713	20.52800	0.89430	0.48993	0.65766	0.89430	0.48893	0.65675
76	36	10.62736	23.29632	0.89038	0.45525	0.62566	0.89038	0.45413	0.62461	10.07713	20.41023	0.89430	0.49268	0.66013	0.89430	0.49161	0.65916
76	37	10.62736	23.12089	0.89038	0.45862	0.62884	0.89038	0.45742	0.62771	10.07713	20.28745	0.89430	0.49558	0.66273	0.89430	0.49442	0.66169
76	38	10.62736	22.93911	0.89038	0.46217	0.63217	0.89038	0.46086	0.63095	10.07713	20.15926	0.89430	0.49863	0.66545	0.89430	0.49738	0.66434
76	39	10.62736	22.75087	0.89038	0.46589	0.63564	0.89038	0.46447	0.63432	10.07713	20.02555	0.89430	0.50185	0.66831	0.89430	0.50050	0.66711
76	40	10.62736	22.55572	0.89038	0.46979	0.63926	0.89038	0.46825	0.63783	10.07713	19.88587	0.89430	0.50524	0.67131	0.89430	0.50377	0.67001
76	41	10.62736	22.35340	0.89038	0.47390	0.64306	0.89038	0.47221	0.64150	10.07713	19.73995	0.89430	0.50882	0.67446	0.89430	0.50721	0.67304
76	42	10.62736	22.14385	0.89038	0.47822	0.64702	0.89038	0.47636	0.64531	10.07713	19.58769	0.89430	0.51260	0.67777	0.89430	0.51083	0.67622
76	43	10.62736	21.92669	0.89038	0.48276	0.65116	0.89038	0.48070	0.64929	10.07713	19.42870	0.89430	0.51658	0.68125	0.89430	0.51463	0.67954
76	44	10.62736	21.70178	0.89038	0.48753	0.65549	0.89038	0.48525	0.65342	10.07713	19.26280	0.89430	0.52079	0.68489	0.89430	0.51862	0.68301
76	45	10.62736	21.46876	0.89038	0.49255	0.66001	0.89038	0.49001	0.65773	10.07713	19.08963	0.89430	0.52522	0.68872	0.89430	0.52281	0.68664
76	46	10.62736	21.22763	0.89038	0.49783	0.66473	0.89038	0.49499	0.66220	10.07713	18.90911	0.89430	0.52990	0.69273	0.89430	0.52722	0.69043
76	47	10.62736	20.97813	0.89038	0.50338	0.66967	0.89038	0.50021	0.66686	10.07713	18.72094	0.89430	0.53484	0.69693	0.89430	0.53184	0.69438
76	48	10.62736	20.72003	0.89038	0.50922	0.67481	0.89038	0.50568	0.67169	10.07713	18.52488	0.89430	0.54004	0.70134	0.89430	0.53669	0.69850
76	49	10.62736	20.45326	0.89038	0.51537	0.68019	0.89038	0.51139	0.67672	10.07713	18.32076	0.89430	0.54554	0.70595	0.89430	0.54178	0.70280
76	50	10.62736	20.17742	0.89038	0.52183	0.68579	0.89038	0.51737	0.68193	10.07713	18.10816	0.89430	0.55133	0.71078	0.89430	0.54712	0.70728
76	51	10.62736	19.89339	0.89038	0.52862	0.69163	0.89038	0.52363	0.68734	10.07713	17.88781	0.89430	0.55743	0.71583	0.89430	0.55272	0.71194
76	52	10.62736	19.60122	0.89038	0.53574	0.69770	0.89038	0.53017	0.69295	10.07713	17.65967	0.89430	0.56384	0.72110	0.89430	0.55859	0.71679
76	53	10.62736	19.30125	0.89038	0.54322	0.70401	0.89038	0.53701	0.69877	10.07713	17.42398	0.89430	0.57058	0.72659	0.89430	0.56474	0.72183
76	54	10.62736	18.99375	0.89038	0.55105	0.71055	0.89038	0.54416	0.70480	10.07713	17.18091	0.89430	0.57767	0.73230	0.89430	0.57119	0.72708
76	55	10.62736	18.67912	0.89038	0.55926	0.71734	0.89038	0.55163	0.71103	10.07713	16.93076	0.89430	0.58510	0.73825	0.89430	0.57793	0.73252
76	56	10.62736	18.35803	0.89038	0.56785	0.72437	0.89038	0.55944	0.71749	10.07713	16.67407	0.89430	0.59288	0.74441	0.89430	0.58500	0.73817
76	57	10.62736	18.02853	0.89038	0.57685	0.73165	0.89038	0.56759	0.72416	10.07713	16.40902	0.89430	0.60106	0.75083	0.89430	0.59240	0.74403

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Retiree		Beneficiary	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Age	Age	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Factor	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor
76	58	10.62736	17.69065	0.89038	0.58629	0.73920	0.89038	0.57610	0.73104	10.07713	16.13552	0.89430	0.60965	0.75750	0.89430	0.60013	0.75010	
76	59	10.62736	17.34441	0.89038	0.59617	0.74700	0.89038	0.58496	0.73814	10.07713	15.85354	0.89430	0.61866	0.76441	0.89430	0.60820	0.75637	
76	60	10.62736	16.98967	0.89038	0.60651	0.75507	0.89038	0.59418	0.74544	10.07713	15.56284	0.89430	0.62811	0.77158	0.89430	0.61662	0.76285	
76	61	10.62736	16.62627	0.89038	0.61733	0.76339	0.89038	0.60377	0.75294	10.07713	15.26320	0.89430	0.63799	0.77899	0.89430	0.62538	0.76952	
76	62	10.62736	16.25423	0.89038	0.62861	0.77196	0.89038	0.61372	0.76063	10.07713	14.95454	0.89430	0.64834	0.78665	0.89430	0.63450	0.77638	
76	63	10.62736	15.87341	0.89038	0.64038	0.78077	0.89038	0.62403	0.76849	10.07713	14.63664	0.89430	0.65913	0.79455	0.89430	0.64395	0.78342	
76	64	10.62736	15.48353	0.89038	0.65263	0.78981	0.89038	0.63468	0.77652	10.07713	14.30913	0.89430	0.67039	0.80267	0.89430	0.65374	0.79062	
76	65	10.62736	15.08480	0.89038	0.66535	0.79905	0.89038	0.64566	0.78468	10.07713	13.97213	0.89430	0.68209	0.81100	0.89430	0.66385	0.79797	
76	66	10.62736	14.67724	0.89038	0.67853	0.80848	0.89038	0.65695	0.79296	10.07713	13.62552	0.89430	0.69424	0.81953	0.89430	0.67426	0.80545	
76	67	10.62736	14.26104	0.89038	0.69213	0.81806	0.89038	0.66852	0.80133	10.07713	13.26940	0.89430	0.70679	0.82821	0.89430	0.68496	0.81303	
76	68	10.62736	13.83657	0.89038	0.70613	0.82775	0.89038	0.68035	0.80977	10.07713	12.90401	0.89430	0.71974	0.83703	0.89430	0.69591	0.82069	
76	69	10.62736	13.40435	0.89038	0.72047	0.83753	0.89038	0.69240	0.81825	10.07713	12.52973	0.89430	0.73302	0.84595	0.89430	0.70708	0.82841	
76	70	10.62736	12.96501	0.89038	0.73511	0.84734	0.89038	0.70464	0.82673	10.07713	12.14706	0.89430	0.74660	0.85492	0.89430	0.71844	0.83615	
76	71	10.62736	12.51927	0.89038	0.74998	0.85713	0.89038	0.71701	0.83518	10.07713	11.75658	0.89430	0.76042	0.86391	0.89430	0.72994	0.84389	
76	72	10.62736	12.06792	0.89038	0.76499	0.86685	0.89038	0.72947	0.84357	10.07713	11.35893	0.89430	0.77440	0.87286	0.89430	0.74155	0.85160	
76	73	10.62736	11.61185	0.89038	0.78007	0.87645	0.89038	0.74197	0.85188	10.07713	10.95491	0.89430	0.78847	0.88172	0.89430	0.75321	0.85924	
76	74	10.62736	11.15217	0.89038	0.79513	0.88587	0.89038	0.75447	0.86005	10.07713	10.54549	0.89430	0.80254	0.89046	0.89430	0.76489	0.86679	
76	75	10.62736	10.68986	0.89038	0.81006	0.89507	0.89038	0.76690	0.86807	10.07713	10.13154	0.89430	0.81654	0.89901	0.89430	0.77653	0.87421	
76	76	10.62736	10.22626	0.89038	0.82477	0.90397	0.89038	0.77921	0.87591	10.07713	9.71428	0.89430	0.83036	0.90732	0.89430	0.78808	0.88148	
76	77	10.62736	9.76277	0.89038	0.83916	0.91255	0.89038	0.79136	0.88353	10.07713	9.29502	0.89430	0.84392	0.91535	0.89430	0.79949	0.88857	
76	78	10.62736	9.30064	0.89038	0.85313	0.92074	0.89038	0.80328	0.89091	10.07713	8.87492	0.89430	0.85711	0.92306	0.89430	0.81071	0.89546	
76	79	10.62736	8.84103	0.89038	0.86658	0.92852	0.89038	0.81494	0.89803	10.07713	8.45509	0.89430	0.86987	0.93041	0.89430	0.82170	0.90212	
76	80	10.62736	8.38551	0.89038	0.87945	0.93586	0.89038	0.82628	0.90488	10.07713	8.03703	0.89430	0.88210	0.93736	0.89430	0.83241	0.90854	
76	81	10.62736	7.93532	0.89038	0.89165	0.94272	0.89038	0.83726	0.91142	10.07713	7.62196	0.89430	0.89374	0.94389	0.89430	0.84281	0.91470	
76	82	10.62736	7.49211	0.89038	0.90313	0.94910	0.89038	0.84786	0.91766	10.07713	7.21152	0.89430	0.90473	0.94998	0.89430	0.85285	0.92058	
76	83	10.62736	7.05756	0.89038	0.91384	0.95498	0.89038	0.85802	0.92359	10.07713	6.80735	0.89430	0.91501	0.95562	0.89430	0.86250	0.92618	
76	84	10.62736	6.63342	0.89038	0.92374	0.96036	0.89038	0.86774	0.92919	10.07713	6.41122	0.89430	0.92456	0.96080	0.89430	0.87175	0.93148	
76	85	10.62736	6.22156	0.89038	0.93282	0.96524	0.89038	0.87698	0.93446	10.07713	6.02503	0.89430	0.93335	0.96553	0.89430	0.88056	0.93649	
76	86	10.62736	5.82374	0.89038	0.94107	0.96964	0.89038	0.88573	0.93940	10.07713	5.65055	0.89430	0.94137	0.96980	0.89430	0.88892	0.94119	
76	87	10.62736	5.44155	0.89038	0.94851	0.97358	0.89038	0.89398	0.94403	10.07713	5.28949	0.89430	0.94862	0.97363	0.89430	0.89681	0.94560	
76	88	10.62736	5.07613	0.89038	0.95517	0.97707	0.89038	0.90173	0.94833	10.07713	4.94306	0.89430	0.95514	0.97705	0.89430	0.90424	0.94971	
76	89	10.62736	4.72862	0.89038	0.96108	0.98015	0.89038	0.90898	0.95232	10.07713	4.61250	0.89430	0.96094	0.98008	0.89430	0.91120	0.95354	
76	90	10.62736	4.40007	0.89038	0.96629	0.98285	0.89038	0.91573	0.95601	10.07713	4.29901	0.89430	0.96608	0.98275	0.89430	0.91769	0.95708	
76	91	10.62736	4.09149	0.89038	0.97085	0.98521	0.89038	0.92200	0.95942	10.07713	4.00370	0.89430	0.97059	0.98508	0.89430	0.92373	0.96035	
76	92	10.62736	3.80354	0.89038	0.97481	0.98725	0.89038	0.92781	0.96255	10.07713	3.72738	0.89430	0.97453	0.98710	0.89430	0.92934	0.96337	
76	93	10.62736	3.53621	0.89038	0.97825	0.98900	0.89038	0.93318	0.96543	10.07713	3.47020	0.89430	0.97795	0.98885	0.89430	0.93452	0.96615	
76	94	10.62736	3.28870	0.89038	0.98121	0.99052	0.89038	0.93812	0.96807	10.07713	3.23152	0.89430	0.98091	0.99036	0.89430	0.93931	0.96870	
76	95	10.62736	3.05955	0.89038	0.98376	0.99182	0.89038	0.94267	0.97049	10.07713	3.01004	0.89430	0.98347	0.99166	0.89430	0.94372	0.97104	
76	96	10.62736	2.84646	0.89038	0.98596	0.99293	0.89038	0.94685	0.97270	10.07713	2.80360	0.89430	0.98568	0.99279	0.89430	0.94777	0.97318	
76	97	10.62736	2.65226	0.89038	0.98784	0.99388	0.89038	0.95066	0.97470	10.07713	2.61510	0.89430	0.98756	0.99374	0.89430	0.95147	0.97513	
76	98	10.62736	2.47567	0.89038	0.98943	0.99469	0.89038	0.95414	0.97653	10.07713	2.44340	0.89430	0.98917	0.99456	0.89430	0.95486	0.97691	

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
76	99	10.62736	2.31535	0.89038	0.99078	0.99537	0.89038	0.95731	0.97819	10.07713	2.28724	0.89430	0.99055	0.99525	0.89430	0.95795	0.97852
76	100	10.62736	2.16976	0.89038	0.99194	0.99595	0.89038	0.96020	0.97970	10.07713	2.14523	0.89430	0.99172	0.99584	0.89430	0.96077	0.97999
76	101	10.62736	2.03734	0.89038	0.99293	0.99645	0.89038	0.96284	0.98107	10.07713	2.01587	0.89430	0.99272	0.99635	0.89430	0.96335	0.98133
76	102	10.62736	1.91714	0.89038	0.99377	0.99687	0.89038	0.96524	0.98231	10.07713	1.89830	0.89430	0.99358	0.99678	0.89430	0.96570	0.98255
76	103	10.62736	1.80800	0.89038	0.99449	0.99724	0.89038	0.96742	0.98344	10.07713	1.79140	0.89430	0.99431	0.99715	0.89430	0.96783	0.98365
76	104	10.62736	1.70943	0.89038	0.99510	0.99754	0.89038	0.96939	0.98446	10.07713	1.69474	0.89430	0.99494	0.99746	0.89430	0.96976	0.98465
76	105	10.62736	1.62048	0.89038	0.99562	0.99781	0.89038	0.97115	0.98536	10.07713	1.60741	0.89430	0.99547	0.99773	0.89430	0.97149	0.98554
76	106	10.62736	1.54080	0.89038	0.99606	0.99803	0.89038	0.97271	0.98617	10.07713	1.52911	0.89430	0.99592	0.99796	0.89430	0.97302	0.98633
76	107	10.62736	1.47009	0.89038	0.99643	0.99821	0.89038	0.97406	0.98686	10.07713	1.45954	0.89430	0.99630	0.99815	0.89430	0.97435	0.98701
76	108	10.62736	1.40861	0.89038	0.99672	0.99836	0.89038	0.97518	0.98744	10.07713	1.39898	0.89430	0.99660	0.99830	0.89430	0.97546	0.98758
76	109	10.62736	1.35764	0.89038	0.99695	0.99847	0.89038	0.97605	0.98788	10.07713	1.34871	0.89430	0.99684	0.99842	0.89430	0.97631	0.98801
76	110	10.62736	1.32125	0.89038	0.99710	0.99855	0.89038	0.97663	0.98818	10.07713	1.31279	0.89430	0.99700	0.99850	0.89430	0.97688	0.98831
77	1	10.15766	26.72925	0.88067	0.37990	0.55062	0.88067	0.37971	0.55042	9.65385	22.57586	0.88436	0.42747	0.59892	0.88436	0.42728	0.59873
77	2	10.15766	26.68154	0.88067	0.38059	0.55134	0.88067	0.38040	0.55114	9.65385	22.55058	0.88436	0.42796	0.59940	0.88436	0.42777	0.59922
77	3	10.15766	26.63112	0.88067	0.38131	0.55210	0.88067	0.38112	0.55190	9.65385	22.52338	0.88436	0.42848	0.59991	0.88436	0.42829	0.59973
77	4	10.15766	26.57806	0.88067	0.38206	0.55289	0.88067	0.38187	0.55269	9.65385	22.49433	0.88436	0.42903	0.60044	0.88436	0.42884	0.60026
77	5	10.15766	26.52283	0.88067	0.38286	0.55372	0.88067	0.38266	0.55351	9.65385	22.46379	0.88436	0.42960	0.60101	0.88436	0.42941	0.60082
77	6	10.15766	26.46539	0.88067	0.38368	0.55458	0.88067	0.38347	0.55436	9.65385	22.43176	0.88436	0.43021	0.60160	0.88436	0.43000	0.60140
77	7	10.15766	26.40551	0.88067	0.38454	0.55548	0.88067	0.38432	0.55525	9.65385	22.39806	0.88436	0.43085	0.60223	0.88436	0.43063	0.60201
77	8	10.15766	26.34335	0.88067	0.38544	0.55641	0.88067	0.38520	0.55617	9.65385	22.36278	0.88436	0.43151	0.60288	0.88436	0.43128	0.60265
77	9	10.15766	26.27867	0.88067	0.38638	0.55739	0.88067	0.38612	0.55713	9.65385	22.32575	0.88436	0.43222	0.60356	0.88436	0.43197	0.60332
77	10	10.15766	26.21121	0.88067	0.38736	0.55841	0.88067	0.38708	0.55812	9.65385	22.28674	0.88436	0.43296	0.60428	0.88436	0.43268	0.60402
77	11	10.15766	26.14141	0.88067	0.38838	0.55947	0.88067	0.38808	0.55916	9.65385	22.24611	0.88436	0.43373	0.60504	0.88436	0.43343	0.60475
77	12	10.15766	26.06892	0.88067	0.38944	0.56057	0.88067	0.38911	0.56023	9.65385	22.20360	0.88436	0.43454	0.60582	0.88436	0.43422	0.60551
77	13	10.15766	25.99388	0.88067	0.39055	0.56172	0.88067	0.39019	0.56135	9.65385	22.15929	0.88436	0.43539	0.60665	0.88436	0.43504	0.60631
77	14	10.15766	25.91617	0.88067	0.39170	0.56291	0.88067	0.39132	0.56252	9.65385	22.11310	0.88436	0.43627	0.60751	0.88436	0.43590	0.60714
77	15	10.15766	25.83587	0.88067	0.39290	0.56415	0.88067	0.39249	0.56373	9.65385	22.06509	0.88436	0.43720	0.60841	0.88436	0.43680	0.60802
77	16	10.15766	25.75319	0.88067	0.39415	0.56543	0.88067	0.39372	0.56499	9.65385	22.01544	0.88436	0.43817	0.60934	0.88436	0.43774	0.60893
77	17	10.15766	25.66857	0.88067	0.39544	0.56676	0.88067	0.39499	0.56630	9.65385	21.96453	0.88436	0.43917	0.61031	0.88436	0.43873	0.60989
77	18	10.15766	25.58235	0.88067	0.39677	0.56812	0.88067	0.39633	0.56767	9.65385	21.91267	0.88436	0.44022	0.61132	0.88436	0.43978	0.61090
77	19	10.15766	25.49361	0.88067	0.39816	0.56954	0.88067	0.39773	0.56910	9.65385	21.85907	0.88436	0.44130	0.61237	0.88436	0.44087	0.61195
77	20	10.15766	25.40164	0.88067	0.39960	0.57102	0.88067	0.39919	0.57060	9.65385	21.80312	0.88436	0.44244	0.61346	0.88436	0.44203	0.61307
77	21	10.15766	25.30562	0.88067	0.40113	0.57258	0.88067	0.40072	0.57216	9.65385	21.74411	0.88436	0.44365	0.61462	0.88436	0.44325	0.61424
77	22	10.15766	25.20517	0.88067	0.40272	0.57420	0.88067	0.40232	0.57379	9.65385	21.68171	0.88436	0.44493	0.61585	0.88436	0.44453	0.61546
77	23	10.15766	25.09967	0.88067	0.40441	0.57591	0.88067	0.40399	0.57549	9.65385	21.61537	0.88436	0.44629	0.61715	0.88436	0.44587	0.61675
77	24	10.15766	24.98936	0.88067	0.40618	0.57771	0.88067	0.40574	0.57726	9.65385	21.54528	0.88436	0.44772	0.61852	0.88436	0.44729	0.61811
77	25	10.15766	24.87419	0.88067	0.40804	0.57958	0.88067	0.40757	0.57911	9.65385	21.47137	0.88436	0.44924	0.61996	0.88436	0.44878	0.61952
77	26	10.15766	24.75420	0.88067	0.40999	0.58155	0.88067	0.40948	0.58103	9.65385	21.39367	0.88436	0.45084	0.62149	0.88436	0.45034	0.62101
77	27	10.15766	24.62994	0.88067	0.41203	0.58359	0.88067	0.41148	0.58304	9.65385	21.31262	0.88436	0.45252	0.62308	0.88436	0.45198	0.62257
77	28	10.15766	24.50119	0.88067	0.41416	0.58573	0.88067	0.41356	0.58514	9.65385	21.22804	0.88436	0.45428	0.62475	0.88436	0.45370	0.62420
77	29	10.15766	24.36788	0.88067	0.41639	0.58796	0.88067	0.41575	0.58732	9.65385	21.13984	0.88436	0.45614	0.62650	0.88436	0.45551	0.62591

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
77	30	10.15766	24.23009	0.88067	0.41872	0.59028	0.88067	0.41803	0.58960	9.65385	21.04806	0.88436	0.45809	0.62834	0.88436	0.45741	0.62770
77	31	10.15766	24.08752	0.88067	0.42116	0.59270	0.88067	0.42042	0.59197	9.65385	20.95246	0.88436	0.46013	0.63026	0.88436	0.45941	0.62959
77	32	10.15766	23.94006	0.88067	0.42372	0.59523	0.88067	0.42293	0.59445	9.65385	20.85289	0.88436	0.46229	0.63228	0.88436	0.46152	0.63156
77	33	10.15766	23.78740	0.88067	0.42639	0.59786	0.88067	0.42555	0.59703	9.65385	20.74907	0.88436	0.46455	0.63439	0.88436	0.46373	0.63363
77	34	10.15766	23.62942	0.88067	0.42920	0.60061	0.88067	0.42829	0.59973	9.65385	20.64088	0.88436	0.46694	0.63661	0.88436	0.46606	0.63580
77	35	10.15766	23.46579	0.88067	0.43214	0.60348	0.88067	0.43117	0.60254	9.65385	20.52800	0.88436	0.46944	0.63894	0.88436	0.46850	0.63807
77	36	10.15766	23.29632	0.88067	0.43522	0.60649	0.88067	0.43418	0.60548	9.65385	20.41023	0.88436	0.47209	0.64139	0.88436	0.47108	0.64046
77	37	10.15766	23.12089	0.88067	0.43846	0.60962	0.88067	0.43734	0.60854	9.65385	20.28745	0.88436	0.47487	0.64395	0.88436	0.47379	0.64296
77	38	10.15766	22.93911	0.88067	0.44185	0.61290	0.88067	0.44065	0.61174	9.65385	20.15926	0.88436	0.47781	0.64665	0.88436	0.47664	0.64558
77	39	10.15766	22.75087	0.88067	0.44542	0.61632	0.88067	0.44412	0.61507	9.65385	20.02555	0.88436	0.48091	0.64948	0.88436	0.47964	0.64832
77	40	10.15766	22.55572	0.88067	0.44917	0.61990	0.88067	0.44775	0.61855	9.65385	19.88587	0.88436	0.48417	0.65245	0.88436	0.48280	0.65120
77	41	10.15766	22.35340	0.88067	0.45312	0.62365	0.88067	0.45156	0.62217	9.65385	19.73995	0.88436	0.48762	0.65557	0.88436	0.48612	0.65422
77	42	10.15766	22.14385	0.88067	0.45727	0.62757	0.88067	0.45555	0.62595	9.65385	19.58769	0.88436	0.49126	0.65885	0.88436	0.48961	0.65737
77	43	10.15766	21.92669	0.88067	0.46163	0.63166	0.88067	0.45973	0.62988	9.65385	19.42870	0.88436	0.49510	0.66230	0.88436	0.49328	0.66067
77	44	10.15766	21.70178	0.88067	0.46622	0.63595	0.88067	0.46411	0.63398	9.65385	19.26280	0.88436	0.49916	0.66592	0.88436	0.49714	0.66412
77	45	10.15766	21.46876	0.88067	0.47105	0.64042	0.88067	0.46870	0.63825	9.65385	19.08963	0.88436	0.50344	0.66972	0.88436	0.50120	0.66773
77	46	10.15766	21.22763	0.88067	0.47613	0.64511	0.88067	0.47351	0.64270	9.65385	18.90911	0.88436	0.50796	0.67370	0.88436	0.50546	0.67150
77	47	10.15766	20.97813	0.88067	0.48148	0.65000	0.88067	0.47854	0.64732	9.65385	18.72094	0.88436	0.51273	0.67789	0.88436	0.50993	0.67544
77	48	10.15766	20.72003	0.88067	0.48711	0.65511	0.88067	0.48382	0.65213	9.65385	18.52488	0.88436	0.51777	0.68227	0.88436	0.51464	0.67955
77	49	10.15766	20.45326	0.88067	0.49304	0.66045	0.88067	0.48934	0.65713	9.65385	18.32076	0.88436	0.52308	0.68687	0.88436	0.51957	0.68384
77	50	10.15766	20.17742	0.88067	0.49928	0.66602	0.88067	0.49513	0.66232	9.65385	18.10816	0.88436	0.52870	0.69170	0.88436	0.52475	0.68831
77	51	10.15766	19.89339	0.88067	0.50584	0.67184	0.88067	0.50118	0.66772	9.65385	17.88781	0.88436	0.53461	0.69674	0.88436	0.53019	0.69297
77	52	10.15766	19.60122	0.88067	0.51273	0.67789	0.88067	0.50752	0.67332	9.65385	17.65967	0.88436	0.54084	0.70200	0.88436	0.53589	0.69783
77	53	10.15766	19.30125	0.88067	0.51997	0.68419	0.88067	0.51416	0.67913	9.65385	17.42398	0.88436	0.54739	0.70750	0.88436	0.54188	0.70288
77	54	10.15766	18.99375	0.88067	0.52757	0.69073	0.88067	0.52110	0.68516	9.65385	17.18091	0.88436	0.55428	0.71323	0.88436	0.54816	0.70814
77	55	10.15766	18.67912	0.88067	0.53553	0.69752	0.88067	0.52837	0.69141	9.65385	16.93076	0.88436	0.56152	0.71919	0.88436	0.55474	0.71361
77	56	10.15766	18.35803	0.88067	0.54388	0.70456	0.88067	0.53597	0.69789	9.65385	16.67407	0.88436	0.56911	0.72539	0.88436	0.56164	0.71930
77	57	10.15766	18.02853	0.88067	0.55265	0.71188	0.88067	0.54393	0.70460	9.65385	16.40902	0.88436	0.57710	0.73185	0.88436	0.56888	0.72521
77	58	10.15766	17.69065	0.88067	0.56185	0.71947	0.88067	0.55224	0.71154	9.65385	16.13552	0.88436	0.58551	0.73858	0.88436	0.57646	0.73134
77	59	10.15766	17.34441	0.88067	0.57151	0.72734	0.88067	0.56092	0.71870	9.65385	15.85354	0.88436	0.59435	0.74557	0.88436	0.58439	0.73769
77	60	10.15766	16.98967	0.88067	0.58165	0.73550	0.88067	0.56998	0.72610	9.65385	15.56284	0.88436	0.60364	0.75283	0.88436	0.59268	0.74426
77	61	10.15766	16.62627	0.88067	0.59227	0.74393	0.88067	0.57942	0.73371	9.65385	15.26320	0.88436	0.61338	0.76037	0.88436	0.60134	0.75105
77	62	10.15766	16.25423	0.88067	0.60339	0.75264	0.88067	0.58924	0.74153	9.65385	14.95454	0.88436	0.62361	0.76817	0.88436	0.61036	0.75804
77	63	10.15766	15.87341	0.88067	0.61502	0.76163	0.88067	0.59944	0.74956	9.65385	14.63664	0.88436	0.63431	0.77624	0.88436	0.61975	0.76524
77	64	10.15766	15.48353	0.88067	0.62717	0.77087	0.88067	0.61001	0.75777	9.65385	14.30913	0.88436	0.64551	0.78457	0.88436	0.62950	0.77263
77	65	10.15766	15.08480	0.88067	0.63983	0.78036	0.88067	0.62095	0.76616	9.65385	13.97213	0.88436	0.65720	0.79315	0.88436	0.63961	0.78019
77	66	10.15766	14.67724	0.88067	0.65300	0.79008	0.88067	0.63224	0.77469	9.65385	13.62552	0.88436	0.66938	0.80195	0.88436	0.65005	0.78791
77	67	10.15766	14.26104	0.88067	0.66666	0.80000	0.88067	0.64386	0.78335	9.65385	13.26940	0.88436	0.68203	0.81096	0.88436	0.66082	0.79577
77	68	10.15766	13.83657	0.88067	0.68079	0.81008	0.88067	0.65578	0.79211	9.65385	12.90401	0.88436	0.69513	0.82015	0.88436	0.67188	0.80374
77	69	10.15766	13.40435	0.88067	0.69534	0.82030	0.88067	0.66798	0.80095	9.65385	12.52973	0.88436	0.70864	0.82948	0.88436	0.68322	0.81180
77	70	10.15766	12.96501	0.88067	0.71027	0.83060	0.88067	0.68042	0.80982	9.65385	12.14706	0.88436	0.72253	0.83892	0.88436	0.69479	0.81992

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
77	71	10.15766	12.51927	0.88067	0.72552	0.84093	0.88067	0.69305	0.81870	9.65385	11.75658	0.88436	0.73674	0.84841	0.88436	0.70657	0.82806
77	72	10.15766	12.06792	0.88067	0.74103	0.85125	0.88067	0.70584	0.82756	9.65385	11.35893	0.88436	0.75120	0.85793	0.88436	0.71852	0.83620
77	73	10.15766	11.61185	0.88067	0.75670	0.86150	0.88067	0.71873	0.83635	9.65385	10.95491	0.88436	0.76585	0.86740	0.88436	0.73057	0.84431
77	74	10.15766	11.15217	0.88067	0.77245	0.87162	0.88067	0.73168	0.84505	9.65385	10.54549	0.88436	0.78060	0.87678	0.88436	0.74270	0.85236
77	75	10.15766	10.68986	0.88067	0.78818	0.88154	0.88067	0.74463	0.85362	9.65385	10.13154	0.88436	0.79537	0.88602	0.88436	0.75485	0.86030
77	76	10.15766	10.22626	0.88067	0.80378	0.89122	0.88067	0.75752	0.86203	9.65385	9.71428	0.88436	0.81005	0.89506	0.88436	0.76697	0.86812
77	77	10.15766	9.76277	0.88067	0.81915	0.90059	0.88067	0.77030	0.87025	9.65385	9.29502	0.88436	0.82454	0.90383	0.88436	0.77899	0.87577
77	78	10.15766	9.30064	0.88067	0.83418	0.90960	0.88067	0.78291	0.87824	9.65385	8.87492	0.88436	0.83875	0.91231	0.88436	0.79088	0.88323
77	79	10.15766	8.84103	0.88067	0.84877	0.91820	0.88067	0.79529	0.88598	9.65385	8.45509	0.88436	0.85258	0.92043	0.88436	0.80258	0.89048
77	80	10.15766	8.38551	0.88067	0.86282	0.92636	0.88067	0.80740	0.89344	9.65385	8.03703	0.88436	0.86593	0.92815	0.88436	0.81403	0.89748
77	81	10.15766	7.93532	0.88067	0.87623	0.93403	0.88067	0.81919	0.90061	9.65385	7.62196	0.88436	0.87873	0.93545	0.88436	0.82520	0.90423
77	82	10.15766	7.49211	0.88067	0.88893	0.94120	0.88067	0.83060	0.90746	9.65385	7.21152	0.88436	0.89088	0.94229	0.88436	0.83604	0.91070
77	83	10.15766	7.05756	0.88067	0.90086	0.94784	0.88067	0.84161	0.91399	9.65385	6.80735	0.88436	0.90233	0.94866	0.88436	0.84650	0.91687
77	84	10.15766	6.63342	0.88067	0.91196	0.95395	0.88067	0.85217	0.92018	9.65385	6.41122	0.88436	0.91303	0.95454	0.88436	0.85656	0.92274
77	85	10.15766	6.22156	0.88067	0.92220	0.95952	0.88067	0.86226	0.92603	9.65385	6.02503	0.88436	0.92292	0.95992	0.88436	0.86619	0.92830
77	86	10.15766	5.82374	0.88067	0.93155	0.96456	0.88067	0.87184	0.93153	9.65385	5.65055	0.88436	0.93200	0.96480	0.88436	0.87535	0.93353
77	87	10.15766	5.44155	0.88067	0.94003	0.96909	0.88067	0.88091	0.93669	9.65385	5.28949	0.88436	0.94026	0.96921	0.88436	0.88404	0.93845
77	88	10.15766	5.07613	0.88067	0.94765	0.97312	0.88067	0.88946	0.94149	9.65385	4.94306	0.88436	0.94771	0.97315	0.88436	0.89223	0.94305
77	89	10.15766	4.72862	0.88067	0.95444	0.97669	0.88067	0.89747	0.94597	9.65385	4.61250	0.88436	0.95437	0.97665	0.88436	0.89993	0.94733
77	90	10.15766	4.40007	0.88067	0.96046	0.97983	0.88067	0.90496	0.95011	9.65385	4.29901	0.88436	0.96029	0.97974	0.88436	0.90714	0.95131
77	91	10.15766	4.09149	0.88067	0.96574	0.98257	0.88067	0.91193	0.95394	9.65385	4.00370	0.88436	0.96551	0.98245	0.88436	0.91386	0.95499
77	92	10.15766	3.80354	0.88067	0.97035	0.98495	0.88067	0.91841	0.95747	9.65385	3.72738	0.88436	0.97008	0.98481	0.88436	0.92011	0.95839
77	93	10.15766	3.53621	0.88067	0.97436	0.98701	0.88067	0.92440	0.96071	9.65385	3.47020	0.88436	0.97406	0.98686	0.88436	0.92590	0.96153
77	94	10.15766	3.28870	0.88067	0.97782	0.98878	0.88067	0.92993	0.96370	9.65385	3.23152	0.88436	0.97751	0.98863	0.88436	0.93126	0.96441
77	95	10.15766	3.05955	0.88067	0.98081	0.99031	0.88067	0.93504	0.96643	9.65385	3.01004	0.88436	0.98050	0.99015	0.88436	0.93621	0.96705
77	96	10.15766	2.84646	0.88067	0.98339	0.99163	0.88067	0.93972	0.96893	9.65385	2.80360	0.88436	0.98309	0.99147	0.88436	0.94076	0.96948
77	97	10.15766	2.65226	0.88067	0.98559	0.99274	0.88067	0.94401	0.97120	9.65385	2.61510	0.88436	0.98530	0.99260	0.88436	0.94493	0.97168
77	98	10.15766	2.47567	0.88067	0.98747	0.99369	0.88067	0.94792	0.97327	9.65385	2.44340	0.88436	0.98719	0.99355	0.88436	0.94874	0.97370
77	99	10.15766	2.31535	0.88067	0.98907	0.99450	0.88067	0.95150	0.97515	9.65385	2.28724	0.88436	0.98881	0.99437	0.88436	0.95222	0.97553
77	100	10.15766	2.16976	0.88067	0.99043	0.99519	0.88067	0.95477	0.97686	9.65385	2.14523	0.88436	0.99019	0.99507	0.88436	0.95541	0.97720
77	101	10.15766	2.03734	0.88067	0.99160	0.99578	0.88067	0.95775	0.97842	9.65385	2.01587	0.88436	0.99137	0.99567	0.88436	0.95832	0.97872
77	102	10.15766	1.91714	0.88067	0.99259	0.99628	0.88067	0.96046	0.97983	9.65385	1.89830	0.88436	0.99239	0.99618	0.88436	0.96098	0.98010
77	103	10.15766	1.80800	0.88067	0.99344	0.99671	0.88067	0.96293	0.98111	9.65385	1.79140	0.88436	0.99325	0.99661	0.88436	0.96339	0.98135
77	104	10.15766	1.70943	0.88067	0.99417	0.99708	0.88067	0.96516	0.98227	9.65385	1.69474	0.88436	0.99399	0.99699	0.88436	0.96558	0.98249
77	105	10.15766	1.62048	0.88067	0.99479	0.99739	0.88067	0.96716	0.98330	9.65385	1.60741	0.88436	0.99462	0.99730	0.88436	0.96754	0.98350
77	106	10.15766	1.54080	0.88067	0.99531	0.99765	0.88067	0.96893	0.98422	9.65385	1.52911	0.88436	0.99516	0.99757	0.88436	0.96928	0.98440
77	107	10.15766	1.47009	0.88067	0.99574	0.99787	0.88067	0.97046	0.98501	9.65385	1.45954	0.88436	0.99560	0.99780	0.88436	0.97079	0.98518
77	108	10.15766	1.40861	0.88067	0.99610	0.99804	0.88067	0.97173	0.98566	9.65385	1.39898	0.88436	0.99597	0.99798	0.88436	0.97204	0.98582
77	109	10.15766	1.35764	0.88067	0.99637	0.99818	0.88067	0.97271	0.98617	9.65385	1.34871	0.88436	0.99624	0.99812	0.88436	0.97301	0.98632
77	110	10.15766	1.32125	0.88067	0.99655	0.99827	0.88067	0.97338	0.98651	9.65385	1.31279	0.88436	0.99643	0.99821	0.88436	0.97366	0.98665
78	1	9.68856	26.72925	0.86990	0.36237	0.53197	0.86990	0.36219	0.53177	9.22898	22.57586	0.87390	0.40867	0.58022	0.87390	0.40849	0.58004

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
Retiree	Beneficiary	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Age	Age	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor
78	2	9.68856	26.68154	0.86990	0.36302	0.53267	0.86990	0.36285	0.53248	9.22898	22.55058	0.87390	0.40914	0.58069	0.87390	0.40896	0.58051
78	3	9.68856	26.63112	0.86990	0.36371	0.53341	0.86990	0.36354	0.53323	9.22898	22.52338	0.87390	0.40963	0.58119	0.87390	0.40946	0.58102
78	4	9.68856	26.57806	0.86990	0.36443	0.53419	0.86990	0.36426	0.53400	9.22898	22.49433	0.87390	0.41016	0.58172	0.87390	0.40998	0.58154
78	5	9.68856	26.52283	0.86990	0.36519	0.53500	0.86990	0.36500	0.53480	9.22898	22.46379	0.87390	0.41071	0.58227	0.87390	0.41053	0.58209
78	6	9.68856	26.46539	0.86990	0.36597	0.53584	0.86990	0.36578	0.53564	9.22898	22.43176	0.87390	0.41129	0.58286	0.87390	0.41110	0.58266
78	7	9.68856	26.40551	0.86990	0.36680	0.53672	0.86990	0.36659	0.53651	9.22898	22.39806	0.87390	0.41190	0.58347	0.87390	0.41170	0.58326
78	8	9.68856	26.34335	0.86990	0.36765	0.53764	0.86990	0.36744	0.53741	9.22898	22.36278	0.87390	0.41254	0.58411	0.87390	0.41232	0.58389
78	9	9.68856	26.27867	0.86990	0.36855	0.53860	0.86990	0.36831	0.53835	9.22898	22.32575	0.87390	0.41321	0.58478	0.87390	0.41298	0.58455
78	10	9.68856	26.21121	0.86990	0.36948	0.53960	0.86990	0.36923	0.53932	9.22898	22.28674	0.87390	0.41392	0.58549	0.87390	0.41366	0.58524
78	11	9.68856	26.14141	0.86990	0.37046	0.54063	0.86990	0.37018	0.54034	9.22898	22.24611	0.87390	0.41466	0.58623	0.87390	0.41438	0.58595
78	12	9.68856	26.06892	0.86990	0.37147	0.54171	0.86990	0.37117	0.54139	9.22898	22.20360	0.87390	0.41544	0.58701	0.87390	0.41513	0.58670
78	13	9.68856	25.99388	0.86990	0.37253	0.54284	0.86990	0.37220	0.54249	9.22898	22.15929	0.87390	0.41625	0.58782	0.87390	0.41592	0.58749
78	14	9.68856	25.91617	0.86990	0.37363	0.54400	0.86990	0.37328	0.54363	9.22898	22.11310	0.87390	0.41710	0.58866	0.87390	0.41674	0.58831
78	15	9.68856	25.83587	0.86990	0.37478	0.54522	0.86990	0.37440	0.54481	9.22898	22.06509	0.87390	0.41799	0.58955	0.87390	0.41760	0.58917
78	16	9.68856	25.75319	0.86990	0.37597	0.54648	0.86990	0.37556	0.54605	9.22898	22.01544	0.87390	0.41891	0.59047	0.87390	0.41851	0.59007
78	17	9.68856	25.66857	0.86990	0.37720	0.54777	0.86990	0.37678	0.54734	9.22898	21.96453	0.87390	0.41987	0.59142	0.87390	0.41946	0.59101
78	18	9.68856	25.58235	0.86990	0.37847	0.54911	0.86990	0.37806	0.54868	9.22898	21.91267	0.87390	0.42087	0.59241	0.87390	0.42045	0.59200
78	19	9.68856	25.49361	0.86990	0.37979	0.55051	0.86990	0.37939	0.55008	9.22898	21.85907	0.87390	0.42191	0.59344	0.87390	0.42150	0.59304
78	20	9.68856	25.40164	0.86990	0.38117	0.55196	0.86990	0.38078	0.55155	9.22898	21.80312	0.87390	0.42300	0.59452	0.87390	0.42261	0.59413
78	21	9.68856	25.30562	0.86990	0.38263	0.55348	0.86990	0.38224	0.55308	9.22898	21.74411	0.87390	0.42416	0.59566	0.87390	0.42377	0.59528
78	22	9.68856	25.20517	0.86990	0.38415	0.55507	0.86990	0.38377	0.55468	9.22898	21.68171	0.87390	0.42538	0.59686	0.87390	0.42500	0.59649
78	23	9.68856	25.09967	0.86990	0.38576	0.55675	0.86990	0.38537	0.55634	9.22898	21.61537	0.87390	0.42668	0.59814	0.87390	0.42629	0.59776
78	24	9.68856	24.98936	0.86990	0.38745	0.55851	0.86990	0.38704	0.55808	9.22898	21.54528	0.87390	0.42805	0.59949	0.87390	0.42765	0.59909
78	25	9.68856	24.87419	0.86990	0.38922	0.56035	0.86990	0.38879	0.55990	9.22898	21.47137	0.87390	0.42950	0.60091	0.87390	0.42907	0.60049
78	26	9.68856	24.75420	0.86990	0.39109	0.56228	0.86990	0.39062	0.56179	9.22898	21.39367	0.87390	0.43103	0.60241	0.87390	0.43057	0.60195
78	27	9.68856	24.62994	0.86990	0.39303	0.56429	0.86990	0.39252	0.56376	9.22898	21.31262	0.87390	0.43264	0.60398	0.87390	0.43214	0.60349
78	28	9.68856	24.50119	0.86990	0.39507	0.56638	0.86990	0.39452	0.56581	9.22898	21.22804	0.87390	0.43433	0.60563	0.87390	0.43379	0.60509
78	29	9.68856	24.36788	0.86990	0.39720	0.56857	0.86990	0.39661	0.56796	9.22898	21.13984	0.87390	0.43611	0.60735	0.87390	0.43552	0.60678
78	30	9.68856	24.23009	0.86990	0.39943	0.57085	0.86990	0.39879	0.57019	9.22898	21.04806	0.87390	0.43798	0.60916	0.87390	0.43735	0.60855
78	31	9.68856	24.08752	0.86990	0.40176	0.57323	0.86990	0.40108	0.57253	9.22898	20.95246	0.87390	0.43994	0.61105	0.87390	0.43926	0.61040
78	32	9.68856	23.94006	0.86990	0.40420	0.57571	0.86990	0.40347	0.57496	9.22898	20.85289	0.87390	0.44200	0.61304	0.87390	0.44128	0.61235
78	33	9.68856	23.78740	0.86990	0.40676	0.57829	0.86990	0.40598	0.57750	9.22898	20.74907	0.87390	0.44417	0.61513	0.87390	0.44340	0.61439
78	34	9.68856	23.62942	0.86990	0.40944	0.58100	0.86990	0.40861	0.58016	9.22898	20.64088	0.87390	0.44646	0.61731	0.87390	0.44564	0.61653
78	35	9.68856	23.46579	0.86990	0.41225	0.58382	0.86990	0.41136	0.58293	9.22898	20.52800	0.87390	0.44887	0.61961	0.87390	0.44799	0.61877
78	36	9.68856	23.29632	0.86990	0.41520	0.58677	0.86990	0.41424	0.58582	9.22898	20.41023	0.87390	0.45140	0.62202	0.87390	0.45046	0.62113
78	37	9.68856	23.12089	0.86990	0.41830	0.58986	0.86990	0.41727	0.58883	9.22898	20.28745	0.87390	0.45407	0.62455	0.87390	0.45306	0.62360
78	38	9.68856	22.93911	0.86990	0.42155	0.59308	0.86990	0.42044	0.59198	9.22898	20.15926	0.87390	0.45689	0.62721	0.87390	0.45581	0.62619
78	39	9.68856	22.75087	0.86990	0.42497	0.59646	0.86990	0.42376	0.59527	9.22898	20.02555	0.87390	0.45986	0.63001	0.87390	0.45869	0.62891
78	40	9.68856	22.55572	0.86990	0.42856	0.59999	0.86990	0.42725	0.59870	9.22898	19.88587	0.87390	0.46300	0.63295	0.87390	0.46173	0.63176
78	41	9.68856	22.35340	0.86990	0.43233	0.60368	0.86990	0.43090	0.60228	9.22898	19.73995	0.87390	0.46631	0.63603	0.87390	0.46492	0.63474
78	42	9.68856	22.14385	0.86990	0.43631	0.60754	0.86990	0.43473	0.60601	9.22898	19.58769	0.87390	0.46981	0.63928	0.87390	0.46828	0.63787

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
78	43	9.68856	21.92669	0.86990	0.44049	0.61158	0.86990	0.43875	0.60990	9.22898	19.42870	0.87390	0.47350	0.64269	0.87390	0.47182	0.64114
78	44	9.68856	21.70178	0.86990	0.44489	0.61581	0.86990	0.44296	0.61396	9.22898	19.26280	0.87390	0.47740	0.64627	0.87390	0.47554	0.64456
78	45	9.68856	21.46876	0.86990	0.44953	0.62024	0.86990	0.44737	0.61818	9.22898	19.08963	0.87390	0.48153	0.65004	0.87390	0.47945	0.64815
78	46	9.68856	21.22763	0.86990	0.45440	0.62487	0.86990	0.45199	0.62258	9.22898	18.90911	0.87390	0.48588	0.65400	0.87390	0.48356	0.65189
78	47	9.68856	20.97813	0.86990	0.45954	0.62971	0.86990	0.45684	0.62717	9.22898	18.72094	0.87390	0.49048	0.65815	0.87390	0.48788	0.65581
78	48	9.68856	20.72003	0.86990	0.46496	0.63477	0.86990	0.46192	0.63194	9.22898	18.52488	0.87390	0.49534	0.66251	0.87390	0.49243	0.65990
78	49	9.68856	20.45326	0.86990	0.47066	0.64006	0.86990	0.46724	0.63690	9.22898	18.32076	0.87390	0.50047	0.66708	0.87390	0.49720	0.66417
78	50	9.68856	20.17742	0.86990	0.47667	0.64560	0.86990	0.47282	0.64206	9.22898	18.10816	0.87390	0.50589	0.67188	0.87390	0.50221	0.66863
78	51	9.68856	19.89339	0.86990	0.48299	0.65137	0.86990	0.47867	0.64743	9.22898	17.88781	0.87390	0.51161	0.67690	0.87390	0.50747	0.67328
78	52	9.68856	19.60122	0.86990	0.48963	0.65739	0.86990	0.48479	0.65301	9.22898	17.65967	0.87390	0.51763	0.68216	0.87390	0.51300	0.67812
78	53	9.68856	19.30125	0.86990	0.49662	0.66366	0.86990	0.49120	0.65880	9.22898	17.42398	0.87390	0.52398	0.68764	0.87390	0.51881	0.68318
78	54	9.68856	18.99375	0.86990	0.50396	0.67018	0.86990	0.49793	0.66482	9.22898	17.18091	0.87390	0.53066	0.69337	0.87390	0.52490	0.68844
78	55	9.68856	18.67912	0.86990	0.51167	0.67696	0.86990	0.50497	0.67107	9.22898	16.93076	0.87390	0.53768	0.69934	0.87390	0.53130	0.69392
78	56	9.68856	18.35803	0.86990	0.51975	0.68399	0.86990	0.51235	0.67755	9.22898	16.67407	0.87390	0.54506	0.70555	0.87390	0.53802	0.69963
78	57	9.68856	18.02853	0.86990	0.52825	0.69131	0.86990	0.52008	0.68428	9.22898	16.40902	0.87390	0.55284	0.71204	0.87390	0.54508	0.70557
78	58	9.68856	17.69065	0.86990	0.53719	0.69893	0.86990	0.52817	0.69125	9.22898	16.13552	0.87390	0.56104	0.71880	0.87390	0.55248	0.71174
78	59	9.68856	17.34441	0.86990	0.54660	0.70684	0.86990	0.53664	0.69846	9.22898	15.85354	0.87390	0.56967	0.72585	0.87390	0.56025	0.71815
78	60	9.68856	16.98967	0.86990	0.55648	0.71505	0.86990	0.54550	0.70592	9.22898	15.56284	0.87390	0.57876	0.73318	0.87390	0.56838	0.72480
78	61	9.68856	16.62627	0.86990	0.56687	0.72357	0.86990	0.55475	0.71362	9.22898	15.26320	0.87390	0.58832	0.74081	0.87390	0.57689	0.73168
78	62	9.68856	16.25423	0.86990	0.57777	0.73239	0.86990	0.56440	0.72155	9.22898	14.95454	0.87390	0.59837	0.74873	0.87390	0.58578	0.73879
78	63	9.68856	15.87341	0.86990	0.58920	0.74151	0.86990	0.57444	0.72971	9.22898	14.63664	0.87390	0.60893	0.75694	0.87390	0.59505	0.74612
78	64	9.68856	15.48353	0.86990	0.60118	0.75092	0.86990	0.58489	0.73809	9.22898	14.30913	0.87390	0.62001	0.76544	0.87390	0.60472	0.75367
78	65	9.68856	15.08480	0.86990	0.61371	0.76062	0.86990	0.59574	0.74666	9.22898	13.97213	0.87390	0.63162	0.77423	0.87390	0.61476	0.76143
78	66	9.68856	14.67724	0.86990	0.62680	0.77059	0.86990	0.60697	0.75542	9.22898	13.62552	0.87390	0.64376	0.78328	0.87390	0.62518	0.76937
78	67	9.68856	14.26104	0.86990	0.64043	0.78081	0.86990	0.61856	0.76434	9.22898	13.26940	0.87390	0.65642	0.79258	0.87390	0.63596	0.77747
78	68	9.68856	13.83657	0.86990	0.65459	0.79124	0.86990	0.63051	0.77339	9.22898	12.90401	0.87390	0.66959	0.80210	0.87390	0.64708	0.78573
78	69	9.68856	13.40435	0.86990	0.66925	0.80186	0.86990	0.64279	0.78256	9.22898	12.52973	0.87390	0.68324	0.81182	0.87390	0.65852	0.79410
78	70	9.68856	12.96501	0.86990	0.68437	0.81261	0.86990	0.65535	0.79180	9.22898	12.14706	0.87390	0.69734	0.82169	0.87390	0.67025	0.80257
78	71	9.68856	12.51927	0.86990	0.69990	0.82346	0.86990	0.66818	0.80109	9.22898	11.75658	0.87390	0.71185	0.83167	0.87390	0.68223	0.81110
78	72	9.68856	12.06792	0.86990	0.71578	0.83435	0.86990	0.68122	0.81039	9.22898	11.35893	0.87390	0.72670	0.84172	0.87390	0.69444	0.81967
78	73	9.68856	11.61185	0.86990	0.73194	0.84523	0.86990	0.69443	0.81966	9.22898	10.95491	0.87390	0.74184	0.85179	0.87390	0.70683	0.82824
78	74	9.68856	11.15217	0.86990	0.74829	0.85602	0.86990	0.70776	0.82888	9.22898	10.54549	0.87390	0.75718	0.86181	0.87390	0.71934	0.83677
78	75	9.68856	10.68986	0.86990	0.76473	0.86668	0.86990	0.72116	0.83799	9.22898	10.13154	0.87390	0.77264	0.87174	0.87390	0.73194	0.84523
78	76	9.68856	10.22626	0.86990	0.78115	0.87713	0.86990	0.73457	0.84697	9.22898	9.71428	0.87390	0.78811	0.88150	0.87390	0.74457	0.85359
78	77	9.68856	9.76277	0.86990	0.79744	0.88731	0.86990	0.74792	0.85579	9.22898	9.29502	0.87390	0.80349	0.89104	0.87390	0.75717	0.86180
78	78	9.68856	9.30064	0.86990	0.81349	0.89716	0.86990	0.76117	0.86439	9.22898	8.87492	0.87390	0.81868	0.90030	0.87390	0.76968	0.86985
78	79	9.68856	8.84103	0.86990	0.82919	0.90662	0.86990	0.77425	0.87276	9.22898	8.45509	0.87390	0.83356	0.90923	0.87390	0.78205	0.87770
78	80	9.68856	8.38551	0.86990	0.84441	0.91564	0.86990	0.78710	0.88087	9.22898	8.03703	0.87390	0.84804	0.91777	0.87390	0.79423	0.88532
78	81	9.68856	7.93532	0.86990	0.85905	0.92418	0.86990	0.79967	0.88869	9.22898	7.62196	0.87390	0.86200	0.92589	0.87390	0.80616	0.89268
78	82	9.68856	7.49211	0.86990	0.87302	0.93220	0.86990	0.81190	0.89619	9.22898	7.21152	0.87390	0.87537	0.93354	0.87390	0.81779	0.89976
78	83	9.68856	7.05756	0.86990	0.88622	0.93968	0.86990	0.82375	0.90336	9.22898	6.80735	0.87390	0.88804	0.94070	0.87390	0.82907	0.90655

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
78	84	9.68856	6.63342	0.86990	0.89859	0.94659	0.86990	0.83517	0.91018	9.22898	6.41122	0.87390	0.89995	0.94734	0.87390	0.83996	0.91302
78	85	9.68856	6.22156	0.86990	0.91007	0.95292	0.86990	0.84612	0.91665	9.22898	6.02503	0.87390	0.91104	0.95345	0.87390	0.85043	0.91917
78	86	9.68856	5.82374	0.86990	0.92063	0.95867	0.86990	0.85657	0.92275	9.22898	5.65055	0.87390	0.92127	0.95902	0.87390	0.86042	0.92498
78	87	9.68856	5.44155	0.86990	0.93025	0.96386	0.86990	0.86650	0.92847	9.22898	5.28949	0.87390	0.93063	0.96407	0.87390	0.86994	0.93044
78	88	9.68856	5.07613	0.86990	0.93894	0.96851	0.86990	0.87588	0.93383	9.22898	4.94306	0.87390	0.93911	0.96860	0.87390	0.87894	0.93557
78	89	9.68856	4.72862	0.86990	0.94673	0.97264	0.86990	0.88471	0.93883	9.22898	4.61250	0.87390	0.94674	0.97264	0.87390	0.88743	0.94036
78	90	9.68856	4.40007	0.86990	0.95365	0.97628	0.86990	0.89299	0.94347	9.22898	4.29901	0.87390	0.95354	0.97622	0.87390	0.89540	0.94482
78	91	9.68856	4.09149	0.86990	0.95976	0.97947	0.86990	0.90071	0.94776	9.22898	4.00370	0.87390	0.95956	0.97936	0.87390	0.90286	0.94895
78	92	9.68856	3.80354	0.86990	0.96511	0.98224	0.86990	0.90790	0.95173	9.22898	3.72738	0.87390	0.96485	0.98211	0.87390	0.90980	0.95277
78	93	9.68856	3.53621	0.86990	0.96976	0.98465	0.86990	0.91458	0.95538	9.22898	3.47020	0.87390	0.96947	0.98450	0.87390	0.91625	0.95630
78	94	9.68856	3.28870	0.86990	0.97381	0.98673	0.86990	0.92075	0.95874	9.22898	3.23152	0.87390	0.97349	0.98657	0.87390	0.92224	0.95955
78	95	9.68856	3.05955	0.86990	0.97730	0.98852	0.86990	0.92646	0.96183	9.22898	3.01004	0.87390	0.97699	0.98836	0.87390	0.92777	0.96253
78	96	9.68856	2.84646	0.86990	0.98033	0.99007	0.86990	0.93171	0.96465	9.22898	2.80360	0.87390	0.98002	0.98991	0.87390	0.93287	0.96527
78	97	9.68856	2.65226	0.86990	0.98292	0.99139	0.86990	0.93652	0.96722	9.22898	2.61510	0.87390	0.98261	0.99123	0.87390	0.93755	0.96777
78	98	9.68856	2.47567	0.86990	0.98513	0.99251	0.86990	0.94092	0.96956	9.22898	2.44340	0.87390	0.98483	0.99236	0.87390	0.94184	0.97005
78	99	9.68856	2.31535	0.86990	0.98701	0.99346	0.86990	0.94494	0.97169	9.22898	2.28724	0.87390	0.98674	0.99332	0.87390	0.94576	0.97212
78	100	9.68856	2.16976	0.86990	0.98863	0.99428	0.86990	0.94862	0.97364	9.22898	2.14523	0.87390	0.98836	0.99415	0.87390	0.94935	0.97402
78	101	9.68856	2.03734	0.86990	0.99000	0.99498	0.86990	0.95199	0.97540	9.22898	2.01587	0.87390	0.98976	0.99485	0.87390	0.95264	0.97574
78	102	9.68856	1.91714	0.86990	0.99118	0.99557	0.86990	0.95505	0.97701	9.22898	1.89830	0.87390	0.99096	0.99546	0.87390	0.95563	0.97731
78	103	9.68856	1.80800	0.86990	0.99219	0.99608	0.86990	0.95784	0.97847	9.22898	1.79140	0.87390	0.99198	0.99598	0.87390	0.95836	0.97874
78	104	9.68856	1.70943	0.86990	0.99305	0.99652	0.86990	0.96036	0.97978	9.22898	1.69474	0.87390	0.99286	0.99642	0.87390	0.96084	0.98003
78	105	9.68856	1.62048	0.86990	0.99379	0.99688	0.86990	0.96263	0.98096	9.22898	1.60741	0.87390	0.99361	0.99679	0.87390	0.96306	0.98118
78	106	9.68856	1.54080	0.86990	0.99441	0.99720	0.86990	0.96463	0.98200	9.22898	1.52911	0.87390	0.99424	0.99711	0.87390	0.96503	0.98221
78	107	9.68856	1.47009	0.86990	0.99492	0.99746	0.86990	0.96637	0.98290	9.22898	1.45954	0.87390	0.99477	0.99738	0.87390	0.96674	0.98309
78	108	9.68856	1.40861	0.86990	0.99534	0.99767	0.86990	0.96782	0.98364	9.22898	1.39898	0.87390	0.99520	0.99759	0.87390	0.96817	0.98383
78	109	9.68856	1.35764	0.86990	0.99566	0.99783	0.86990	0.96892	0.98422	9.22898	1.34871	0.87390	0.99553	0.99776	0.87390	0.96926	0.98439
78	110	9.68856	1.32125	0.86990	0.99588	0.99794	0.86990	0.96968	0.98461	9.22898	1.31279	0.87390	0.99575	0.99787	0.87390	0.97000	0.98477
79	1	9.22146	26.72925	0.85883	0.34491	0.51291	0.85883	0.34474	0.51272	8.80383	22.57586	0.86315	0.38986	0.56100	0.86315	0.38968	0.56082
79	2	9.22146	26.68154	0.85883	0.34553	0.51359	0.85883	0.34537	0.51342	8.80383	22.55058	0.86315	0.39030	0.56146	0.86315	0.39014	0.56129
79	3	9.22146	26.63112	0.85883	0.34618	0.51432	0.85883	0.34602	0.51414	8.80383	22.52338	0.86315	0.39077	0.56195	0.86315	0.39061	0.56178
79	4	9.22146	26.57806	0.85883	0.34687	0.51508	0.85883	0.34671	0.51490	8.80383	22.49433	0.86315	0.39127	0.56247	0.86315	0.39111	0.56230
79	5	9.22146	26.52283	0.85883	0.34759	0.51587	0.85883	0.34742	0.51568	8.80383	22.46379	0.86315	0.39180	0.56301	0.86315	0.39163	0.56284
79	6	9.22146	26.46539	0.85883	0.34834	0.51669	0.85883	0.34816	0.51650	8.80383	22.43176	0.86315	0.39236	0.56359	0.86315	0.39218	0.56340
79	7	9.22146	26.40551	0.85883	0.34912	0.51756	0.85883	0.34894	0.51735	8.80383	22.39806	0.86315	0.39294	0.56419	0.86315	0.39275	0.56399
79	8	9.22146	26.34335	0.85883	0.34994	0.51845	0.85883	0.34974	0.51823	8.80383	22.36278	0.86315	0.39355	0.56482	0.86315	0.39335	0.56461
79	9	9.22146	26.27867	0.85883	0.35079	0.51939	0.85883	0.35058	0.51915	8.80383	22.32575	0.86315	0.39419	0.56548	0.86315	0.39398	0.56525
79	10	9.22146	26.21121	0.85883	0.35168	0.52037	0.85883	0.35145	0.52011	8.80383	22.28674	0.86315	0.39487	0.56617	0.86315	0.39463	0.56593
79	11	9.22146	26.14141	0.85883	0.35261	0.52138	0.85883	0.35235	0.52110	8.80383	22.24611	0.86315	0.39558	0.56690	0.86315	0.39532	0.56663
79	12	9.22146	26.06892	0.85883	0.35358	0.52244	0.85883	0.35330	0.52213	8.80383	22.20360	0.86315	0.39632	0.56766	0.86315	0.39603	0.56737
79	13	9.22146	25.99388	0.85883	0.35459	0.52353	0.85883	0.35428	0.52320	8.80383	22.15929	0.86315	0.39709	0.56846	0.86315	0.39678	0.56814
79	14	9.22146	25.91617	0.85883	0.35564	0.52468	0.85883	0.35530	0.52432	8.80383	22.11310	0.86315	0.39790	0.56929	0.86315	0.39757	0.56894

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>	<u>Retiree Annuity Value</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>
79	15	9.22146	25.83587	0.85883	0.35673	0.52586	0.85883	0.35637	0.52548	8.80383	22.06509	0.86315	0.39875	0.57016	0.86315	0.39839	0.56979
79	16	9.22146	25.75319	0.85883	0.35786	0.52709	0.85883	0.35748	0.52668	8.80383	22.01544	0.86315	0.39964	0.57106	0.86315	0.39925	0.57067
79	17	9.22146	25.66857	0.85883	0.35903	0.52836	0.85883	0.35864	0.52794	8.80383	21.96453	0.86315	0.40056	0.57200	0.86315	0.40016	0.57159
79	18	9.22146	25.58235	0.85883	0.36024	0.52967	0.85883	0.35986	0.52926	8.80383	21.91267	0.86315	0.40150	0.57296	0.86315	0.40111	0.57256
79	19	9.22146	25.49361	0.85883	0.36150	0.53103	0.85883	0.36113	0.53063	8.80383	21.85907	0.86315	0.40250	0.57397	0.86315	0.40211	0.57358
79	20	9.22146	25.40164	0.85883	0.36282	0.53245	0.85883	0.36245	0.53206	8.80383	21.80312	0.86315	0.40354	0.57503	0.86315	0.40317	0.57466
79	21	9.22146	25.30562	0.85883	0.36420	0.53394	0.85883	0.36385	0.53356	8.80383	21.74411	0.86315	0.40464	0.57615	0.86315	0.40428	0.57579
79	22	9.22146	25.20517	0.85883	0.36565	0.53550	0.85883	0.36530	0.53512	8.80383	21.68171	0.86315	0.40581	0.57733	0.86315	0.40546	0.57697
79	23	9.22146	25.09967	0.85883	0.36719	0.53714	0.85883	0.36683	0.53676	8.80383	21.61537	0.86315	0.40705	0.57858	0.86315	0.40669	0.57822
79	24	9.22146	24.98936	0.85883	0.36880	0.53886	0.85883	0.36842	0.53846	8.80383	21.54528	0.86315	0.40836	0.57991	0.86315	0.40798	0.57953
79	25	9.22146	24.87419	0.85883	0.37049	0.54067	0.85883	0.37009	0.54024	8.80383	21.47137	0.86315	0.40975	0.58131	0.86315	0.40935	0.58090
79	26	9.22146	24.75420	0.85883	0.37226	0.54255	0.85883	0.37183	0.54209	8.80383	21.39367	0.86315	0.41121	0.58278	0.86315	0.41078	0.58234
79	27	9.22146	24.62994	0.85883	0.37412	0.54452	0.85883	0.37365	0.54402	8.80383	21.31262	0.86315	0.41275	0.58432	0.86315	0.41228	0.58385
79	28	9.22146	24.50119	0.85883	0.37606	0.54658	0.85883	0.37555	0.54604	8.80383	21.22804	0.86315	0.41437	0.58594	0.86315	0.41386	0.58543
79	29	9.22146	24.36788	0.85883	0.37809	0.54872	0.85883	0.37754	0.54814	8.80383	21.13984	0.86315	0.41607	0.58764	0.86315	0.41552	0.58709
79	30	9.22146	24.23009	0.85883	0.38022	0.55095	0.85883	0.37962	0.55033	8.80383	21.04806	0.86315	0.41785	0.58941	0.86315	0.41726	0.58883
79	31	9.22146	24.08752	0.85883	0.38244	0.55328	0.85883	0.38180	0.55262	8.80383	20.95246	0.86315	0.41972	0.59128	0.86315	0.41909	0.59065
79	32	9.22146	23.94006	0.85883	0.38477	0.55571	0.85883	0.38409	0.55501	8.80383	20.85289	0.86315	0.42170	0.59323	0.86315	0.42102	0.59256
79	33	9.22146	23.78740	0.85883	0.38720	0.55825	0.85883	0.38648	0.55750	8.80383	20.74907	0.86315	0.42377	0.59528	0.86315	0.42305	0.59457
79	34	9.22146	23.62942	0.85883	0.38976	0.56090	0.85883	0.38899	0.56010	8.80383	20.64088	0.86315	0.42596	0.59743	0.86315	0.42519	0.59668
79	35	9.22146	23.46579	0.85883	0.39244	0.56367	0.85883	0.39162	0.56282	8.80383	20.52800	0.86315	0.42826	0.59969	0.86315	0.42744	0.59889
79	36	9.22146	23.29632	0.85883	0.39526	0.56657	0.85883	0.39437	0.56566	8.80383	20.41023	0.86315	0.43068	0.60207	0.86315	0.42981	0.60121
79	37	9.22146	23.12089	0.85883	0.39821	0.56960	0.85883	0.39726	0.56863	8.80383	20.28745	0.86315	0.43324	0.60456	0.86315	0.43231	0.60365
79	38	9.22146	22.93911	0.85883	0.40131	0.57277	0.85883	0.40029	0.57172	8.80383	20.15926	0.86315	0.43594	0.60718	0.86315	0.43493	0.60621
79	39	9.22146	22.75087	0.85883	0.40457	0.57608	0.85883	0.40347	0.57496	8.80383	20.02555	0.86315	0.43878	0.60994	0.86315	0.43770	0.60889
79	40	9.22146	22.55572	0.85883	0.40800	0.57955	0.85883	0.40680	0.57834	8.80383	19.88587	0.86315	0.44179	0.61283	0.86315	0.44061	0.61170
79	41	9.22146	22.35340	0.85883	0.41161	0.58318	0.85883	0.41030	0.58186	8.80383	19.73995	0.86315	0.44496	0.61588	0.86315	0.44368	0.61465
79	42	9.22146	22.14385	0.85883	0.41541	0.58698	0.85883	0.41397	0.58554	8.80383	19.58769	0.86315	0.44831	0.61908	0.86315	0.44691	0.61774
79	43	9.22146	21.92669	0.85883	0.41941	0.59096	0.85883	0.41781	0.58938	8.80383	19.42870	0.86315	0.45186	0.62245	0.86315	0.45031	0.62098
79	44	9.22146	21.70178	0.85883	0.42362	0.59513	0.85883	0.42185	0.59338	8.80383	19.26280	0.86315	0.45560	0.62600	0.86315	0.45388	0.62437
79	45	9.22146	21.46876	0.85883	0.42805	0.59949	0.85883	0.42608	0.59755	8.80383	19.08963	0.86315	0.45956	0.62972	0.86315	0.45764	0.62792
79	46	9.22146	21.22763	0.85883	0.43272	0.60406	0.85883	0.43052	0.60190	8.80383	18.90911	0.86315	0.46374	0.63363	0.86315	0.46160	0.63164
79	47	9.22146	20.97813	0.85883	0.43765	0.60884	0.85883	0.43517	0.60644	8.80383	18.72094	0.86315	0.46816	0.63775	0.86315	0.46576	0.63552
79	48	9.22146	20.72003	0.85883	0.44284	0.61384	0.85883	0.44005	0.61116	8.80383	18.52488	0.86315	0.47283	0.64207	0.86315	0.47014	0.63958
79	49	9.22146	20.45326	0.85883	0.44830	0.61907	0.85883	0.44516	0.61607	8.80383	18.32076	0.86315	0.47777	0.64661	0.86315	0.47474	0.64383
79	50	9.22146	20.17742	0.85883	0.45407	0.62455	0.85883	0.45053	0.62119	8.80383	18.10816	0.86315	0.48299	0.65137	0.86315	0.47957	0.64826
79	51	9.22146	19.89339	0.85883	0.46014	0.63027	0.85883	0.45615	0.62652	8.80383	17.88781	0.86315	0.48850	0.65636	0.86315	0.48465	0.65288
79	52	9.22146	19.60122	0.85883	0.46653	0.63624	0.85883	0.46205	0.63206	8.80383	17.65967	0.86315	0.49431	0.66159	0.86315	0.48999	0.65771
79	53	9.22146	19.30125	0.85883	0.47325	0.64246	0.85883	0.46823	0.63782	8.80383	17.42398	0.86315	0.50043	0.66705	0.86315	0.49560	0.66275
79	54	9.22146	18.99375	0.85883	0.48032	0.64894	0.85883	0.47472	0.64381	8.80383	17.18091	0.86315	0.50689	0.67276	0.86315	0.50150	0.66800
79	55	9.22146	18.67912	0.85883	0.48775	0.65569	0.85883	0.48152	0.65003	8.80383	16.93076	0.86315	0.51368	0.67872	0.86315	0.50770	0.67348

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
79	56	9.22146	18.35803	0.85883	0.49554	0.66269	0.85883	0.48866	0.65651	8.80383	16.67407	0.86315	0.52082	0.68492	0.86315	0.51423	0.67919
79	57	9.22146	18.02853	0.85883	0.50376	0.67000	0.85883	0.49614	0.66323	8.80383	16.40902	0.86315	0.52836	0.69141	0.86315	0.52108	0.68515
79	58	9.22146	17.69065	0.85883	0.51241	0.67761	0.85883	0.50400	0.67021	8.80383	16.13552	0.86315	0.53632	0.69819	0.86315	0.52828	0.69134
79	59	9.22146	17.34441	0.85883	0.52153	0.68553	0.85883	0.51223	0.67745	8.80383	15.85354	0.86315	0.54472	0.70526	0.86315	0.53585	0.69779
79	60	9.22146	16.98967	0.85883	0.53113	0.69377	0.85883	0.52085	0.68494	8.80383	15.56284	0.86315	0.55357	0.71264	0.86315	0.54379	0.70449
79	61	9.22146	16.62627	0.85883	0.54123	0.70234	0.85883	0.52987	0.69270	8.80383	15.26320	0.86315	0.56291	0.72033	0.86315	0.55212	0.71144
79	62	9.22146	16.25423	0.85883	0.55186	0.71123	0.85883	0.53931	0.70071	8.80383	14.95454	0.86315	0.57275	0.72834	0.86315	0.56084	0.71864
79	63	9.22146	15.87341	0.85883	0.56305	0.72045	0.85883	0.54916	0.70898	8.80383	14.63664	0.86315	0.58311	0.73666	0.86315	0.56997	0.72609
79	64	9.22146	15.48353	0.85883	0.57480	0.73000	0.85883	0.55944	0.71748	8.80383	14.30913	0.86315	0.59402	0.74531	0.86315	0.57950	0.73377
79	65	9.22146	15.08480	0.85883	0.58713	0.73986	0.85883	0.57013	0.72622	8.80383	13.97213	0.86315	0.60548	0.75426	0.86315	0.58943	0.74169
79	66	9.22146	14.67724	0.85883	0.60005	0.75004	0.85883	0.58124	0.73517	8.80383	13.62552	0.86315	0.61750	0.76352	0.86315	0.59977	0.74982
79	67	9.22146	14.26104	0.85883	0.61357	0.76051	0.85883	0.59275	0.74431	8.80383	13.26940	0.86315	0.63009	0.77308	0.86315	0.61050	0.75815
79	68	9.22146	13.83657	0.85883	0.62767	0.77125	0.85883	0.60466	0.75363	8.80383	12.90401	0.86315	0.64325	0.78290	0.86315	0.62161	0.76666
79	69	9.22146	13.40435	0.85883	0.64233	0.78222	0.85883	0.61694	0.76309	8.80383	12.52973	0.86315	0.65695	0.79296	0.86315	0.63309	0.77533
79	70	9.22146	12.96501	0.85883	0.65754	0.79339	0.85883	0.62956	0.77267	8.80383	12.14706	0.86315	0.67116	0.80323	0.86315	0.64490	0.78412
79	71	9.22146	12.51927	0.85883	0.67324	0.80471	0.85883	0.64250	0.78234	8.80383	11.75658	0.86315	0.68587	0.81367	0.86315	0.65703	0.79302
79	72	9.22146	12.06792	0.85883	0.68939	0.81614	0.85883	0.65571	0.79206	8.80383	11.35893	0.86315	0.70101	0.82423	0.86315	0.66943	0.80198
79	73	9.22146	11.61185	0.85883	0.70592	0.82761	0.85883	0.66916	0.80179	8.80383	10.95491	0.86315	0.71653	0.83486	0.86315	0.68207	0.81099
79	74	9.22146	11.15217	0.85883	0.72275	0.83906	0.85883	0.68280	0.81150	8.80383	10.54549	0.86315	0.73236	0.84550	0.86315	0.69490	0.81999
79	75	9.22146	10.68986	0.85883	0.73979	0.85043	0.85883	0.69657	0.82115	8.80383	10.13154	0.86315	0.74841	0.85610	0.86315	0.70788	0.82896
79	76	9.22146	10.22626	0.85883	0.75693	0.86165	0.85883	0.71043	0.83070	8.80383	9.71428	0.86315	0.76458	0.86659	0.86315	0.72096	0.83786
79	77	9.22146	9.76277	0.85883	0.77406	0.87264	0.85883	0.72430	0.84011	8.80383	9.29502	0.86315	0.78078	0.87690	0.86315	0.73407	0.84664
79	78	9.22146	9.30064	0.85883	0.79106	0.88335	0.85883	0.73813	0.84934	8.80383	8.87492	0.86315	0.79689	0.88696	0.86315	0.74716	0.85528
79	79	9.22146	8.84103	0.85883	0.80781	0.89369	0.85883	0.75185	0.85835	8.80383	8.45509	0.86315	0.81279	0.89673	0.86315	0.76016	0.86374
79	80	9.22146	8.38551	0.85883	0.82418	0.90362	0.85883	0.76540	0.86712	8.80383	8.03703	0.86315	0.82836	0.90612	0.86315	0.77303	0.87199
79	81	9.22146	7.93532	0.85883	0.84004	0.91307	0.85883	0.77873	0.87560	8.80383	7.62196	0.86315	0.84350	0.91511	0.86315	0.78569	0.87999
79	82	9.22146	7.49211	0.85883	0.85529	0.92200	0.85883	0.79175	0.88378	8.80383	7.21152	0.86315	0.85808	0.92362	0.86315	0.79810	0.88771
79	83	9.22146	7.05756	0.85883	0.86981	0.93037	0.85883	0.80443	0.89162	8.80383	6.80735	0.86315	0.87202	0.93163	0.86315	0.81019	0.89514
79	84	9.22146	6.63342	0.85883	0.88351	0.93815	0.85883	0.81671	0.89911	8.80383	6.41122	0.86315	0.88520	0.93910	0.86315	0.82191	0.90225
79	85	9.22146	6.22156	0.85883	0.89631	0.94532	0.85883	0.82854	0.90623	8.80383	6.02503	0.86315	0.89756	0.94601	0.86315	0.83322	0.90903
79	86	9.22146	5.82374	0.85883	0.90816	0.95187	0.85883	0.83987	0.91297	8.80383	5.65055	0.86315	0.90903	0.95235	0.86315	0.84408	0.91545
79	87	9.22146	5.44155	0.85883	0.91902	0.95780	0.85883	0.85068	0.91931	8.80383	5.28949	0.86315	0.91958	0.95811	0.86315	0.85445	0.92151
79	88	9.22146	5.07613	0.85883	0.92889	0.96313	0.85883	0.86093	0.92527	8.80383	4.94306	0.86315	0.92920	0.96330	0.86315	0.86430	0.92721
79	89	9.22146	4.72862	0.85883	0.93778	0.96789	0.85883	0.87062	0.93083	8.80383	4.61250	0.86315	0.93790	0.96795	0.86315	0.87362	0.93255
79	90	9.22146	4.40007	0.85883	0.94573	0.97211	0.85883	0.87973	0.93601	8.80383	4.29901	0.86315	0.94569	0.97209	0.86315	0.88240	0.93753
79	91	9.22146	4.09149	0.85883	0.95276	0.97581	0.85883	0.88825	0.94082	8.80383	4.00370	0.86315	0.95262	0.97573	0.86315	0.89063	0.94215
79	92	9.22146	3.80354	0.85883	0.95895	0.97904	0.85883	0.89621	0.94527	8.80383	3.72738	0.86315	0.95873	0.97893	0.86315	0.89832	0.94644
79	93	9.22146	3.53621	0.85883	0.96436	0.98186	0.85883	0.90362	0.94937	8.80383	3.47020	0.86315	0.96408	0.98171	0.86315	0.90549	0.95040
79	94	9.22146	3.28870	0.85883	0.96907	0.98429	0.85883	0.91049	0.95315	8.80383	3.23152	0.86315	0.96876	0.98413	0.86315	0.91215	0.95406
79	95	9.22146	3.05955	0.85883	0.97316	0.98639	0.85883	0.91686	0.95663	8.80383	3.01004	0.86315	0.97283	0.98623	0.86315	0.91833	0.95742
79	96	9.22146	2.84646	0.85883	0.97670	0.98821	0.85883	0.92272	0.95981	8.80383	2.80360	0.86315	0.97638	0.98805	0.86315	0.92403	0.96051

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
79	97	9.22146	2.65226	0.85883	0.97974	0.98977	0.85883	0.92811	0.96271	8.80383	2.61510	0.86315	0.97942	0.98960	0.86315	0.92926	0.96333
79	98	9.22146	2.47567	0.85883	0.98234	0.99109	0.85883	0.93304	0.96536	8.80383	2.44340	0.86315	0.98203	0.99093	0.86315	0.93407	0.96591
79	99	9.22146	2.31535	0.85883	0.98456	0.99222	0.85883	0.93756	0.96777	8.80383	2.28724	0.86315	0.98427	0.99207	0.86315	0.93848	0.96826
79	100	9.22146	2.16976	0.85883	0.98647	0.99319	0.85883	0.94170	0.96997	8.80383	2.14523	0.86315	0.98619	0.99305	0.86315	0.94252	0.97041
79	101	9.22146	2.03734	0.85883	0.98810	0.99401	0.85883	0.94548	0.97198	8.80383	2.01587	0.86315	0.98783	0.99388	0.86315	0.94621	0.97236
79	102	9.22146	1.91714	0.85883	0.98950	0.99472	0.85883	0.94894	0.97380	8.80383	1.89830	0.86315	0.98925	0.99460	0.86315	0.94959	0.97415
79	103	9.22146	1.80800	0.85883	0.99069	0.99532	0.85883	0.95208	0.97545	8.80383	1.79140	0.86315	0.99046	0.99521	0.86315	0.95268	0.97576
79	104	9.22146	1.70943	0.85883	0.99171	0.99584	0.85883	0.95493	0.97695	8.80383	1.69474	0.86315	0.99150	0.99573	0.86315	0.95547	0.97723
79	105	9.22146	1.62048	0.85883	0.99259	0.99628	0.85883	0.95749	0.97829	8.80383	1.60741	0.86315	0.99239	0.99618	0.86315	0.95798	0.97854
79	106	9.22146	1.54080	0.85883	0.99332	0.99665	0.85883	0.95977	0.97947	8.80383	1.52911	0.86315	0.99314	0.99656	0.86315	0.96022	0.97970
79	107	9.22146	1.47009	0.85883	0.99394	0.99696	0.85883	0.96173	0.98049	8.80383	1.45954	0.86315	0.99377	0.99687	0.86315	0.96216	0.98071
79	108	9.22146	1.40861	0.85883	0.99444	0.99721	0.85883	0.96337	0.98134	8.80383	1.39898	0.86315	0.99428	0.99713	0.86315	0.96377	0.98155
79	109	9.22146	1.35764	0.85883	0.99482	0.99740	0.85883	0.96463	0.98200	8.80383	1.34871	0.86315	0.99467	0.99733	0.86315	0.96501	0.98219
79	110	9.22146	1.32125	0.85883	0.99508	0.99753	0.85883	0.96548	0.98244	8.80383	1.31279	0.86315	0.99493	0.99746	0.86315	0.96585	0.98263
80	1	8.75794	26.72925	0.84724	0.32758	0.49350	0.84724	0.32742	0.49332	8.37992	22.57586	0.85125	0.37109	0.54131	0.85125	0.37093	0.54114
80	2	8.75794	26.68154	0.84724	0.32817	0.49417	0.84724	0.32802	0.49400	8.37992	22.55058	0.85125	0.37152	0.54176	0.85125	0.37136	0.54160
80	3	8.75794	26.63112	0.84724	0.32879	0.49487	0.84724	0.32864	0.49471	8.37992	22.52338	0.85125	0.37197	0.54224	0.85125	0.37182	0.54208
80	4	8.75794	26.57806	0.84724	0.32944	0.49561	0.84724	0.32930	0.49544	8.37992	22.49433	0.85125	0.37244	0.54275	0.85125	0.37229	0.54259
80	5	8.75794	26.52283	0.84724	0.33013	0.49639	0.84724	0.32997	0.49621	8.37992	22.46379	0.85125	0.37295	0.54328	0.85125	0.37279	0.54311
80	6	8.75794	26.46539	0.84724	0.33084	0.49719	0.84724	0.33068	0.49701	8.37992	22.43176	0.85125	0.37348	0.54384	0.85125	0.37331	0.54367
80	7	8.75794	26.40551	0.84724	0.33159	0.49803	0.84724	0.33141	0.49784	8.37992	22.39806	0.85125	0.37403	0.54443	0.85125	0.37386	0.54425
80	8	8.75794	26.34335	0.84724	0.33236	0.49891	0.84724	0.33218	0.49870	8.37992	22.36278	0.85125	0.37461	0.54505	0.85125	0.37443	0.54485
80	9	8.75794	26.27867	0.84724	0.33317	0.49982	0.84724	0.33297	0.49960	8.37992	22.32575	0.85125	0.37523	0.54569	0.85125	0.37503	0.54548
80	10	8.75794	26.21121	0.84724	0.33402	0.50077	0.84724	0.33380	0.50053	8.37992	22.28674	0.85125	0.37587	0.54638	0.85125	0.37565	0.54614
80	11	8.75794	26.14141	0.84724	0.33490	0.50176	0.84724	0.33466	0.50150	8.37992	22.24611	0.85125	0.37655	0.54709	0.85125	0.37630	0.54683
80	12	8.75794	26.06892	0.84724	0.33582	0.50279	0.84724	0.33556	0.50250	8.37992	22.20360	0.85125	0.37725	0.54783	0.85125	0.37699	0.54755
80	13	8.75794	25.99388	0.84724	0.33678	0.50387	0.84724	0.33650	0.50355	8.37992	22.15929	0.85125	0.37799	0.54861	0.85125	0.37770	0.54831
80	14	8.75794	25.91617	0.84724	0.33778	0.50498	0.84724	0.33747	0.50464	8.37992	22.11310	0.85125	0.37877	0.54943	0.85125	0.37845	0.54910
80	15	8.75794	25.83587	0.84724	0.33881	0.50614	0.84724	0.33848	0.50577	8.37992	22.06509	0.85125	0.37957	0.55028	0.85125	0.37923	0.54992
80	16	8.75794	25.75319	0.84724	0.33989	0.50734	0.84724	0.33954	0.50695	8.37992	22.01544	0.85125	0.38042	0.55116	0.85125	0.38006	0.55078
80	17	8.75794	25.66857	0.84724	0.34100	0.50858	0.84724	0.34064	0.50817	8.37992	21.96453	0.85125	0.38129	0.55208	0.85125	0.38092	0.55169
80	18	8.75794	25.58235	0.84724	0.34215	0.50986	0.84724	0.34179	0.50946	8.37992	21.91267	0.85125	0.38219	0.55303	0.85125	0.38182	0.55264
80	19	8.75794	25.49361	0.84724	0.34335	0.51119	0.84724	0.34300	0.51080	8.37992	21.85907	0.85125	0.38314	0.55401	0.85125	0.38278	0.55364
80	20	8.75794	25.40164	0.84724	0.34460	0.51257	0.84724	0.34426	0.51220	8.37992	21.80312	0.85125	0.38413	0.55505	0.85125	0.38379	0.55469
80	21	8.75794	25.30562	0.84724	0.34591	0.51402	0.84724	0.34559	0.51366	8.37992	21.74411	0.85125	0.38518	0.55614	0.85125	0.38485	0.55580
80	22	8.75794	25.20517	0.84724	0.34729	0.51554	0.84724	0.34697	0.51519	8.37992	21.68171	0.85125	0.38629	0.55730	0.85125	0.38596	0.55696
80	23	8.75794	25.09967	0.84724	0.34875	0.51715	0.84724	0.34842	0.51678	8.37992	21.61537	0.85125	0.38747	0.55853	0.85125	0.38714	0.55818
80	24	8.75794	24.98936	0.84724	0.35028	0.51883	0.84724	0.34994	0.51845	8.37992	21.54528	0.85125	0.38872	0.55983	0.85125	0.38838	0.55947
80	25	8.75794	24.87419	0.84724	0.35189	0.52059	0.84724	0.35152	0.52019	8.37992	21.47137	0.85125	0.39005	0.56120	0.85125	0.38968	0.56082
80	26	8.75794	24.75420	0.84724	0.35358	0.52243	0.84724	0.35318	0.52200	8.37992	21.39367	0.85125	0.39144	0.56264	0.85125	0.39104	0.56223
80	27	8.75794	24.62994	0.84724	0.35534	0.52436	0.84724	0.35491	0.52389	8.37992	21.31262	0.85125	0.39291	0.56416	0.85125	0.39247	0.56371

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
80	28	8.75794	24.50119	0.84724	0.35719	0.52637	0.84724	0.35672	0.52586	8.37992	21.22804	0.85125	0.39445	0.56574	0.85125	0.39398	0.56526				
80	29	8.75794	24.36788	0.84724	0.35912	0.52846	0.84724	0.35861	0.52791	8.37992	21.13984	0.85125	0.39607	0.56741	0.85125	0.39556	0.56688				
80	30	8.75794	24.23009	0.84724	0.36114	0.53064	0.84724	0.36060	0.53006	8.37992	21.04806	0.85125	0.39777	0.56915	0.85125	0.39722	0.56859				
80	31	8.75794	24.08752	0.84724	0.36325	0.53292	0.84724	0.36267	0.53229	8.37992	20.95246	0.85125	0.39956	0.57098	0.85125	0.39897	0.57038				
80	32	8.75794	23.94006	0.84724	0.36547	0.53530	0.84724	0.36484	0.53463	8.37992	20.85289	0.85125	0.40144	0.57290	0.85125	0.40082	0.57226				
80	33	8.75794	23.78740	0.84724	0.36779	0.53779	0.84724	0.36712	0.53707	8.37992	20.74907	0.85125	0.40342	0.57491	0.85125	0.40275	0.57423				
80	34	8.75794	23.62942	0.84724	0.37022	0.54038	0.84724	0.36951	0.53962	8.37992	20.64088	0.85125	0.40550	0.57702	0.85125	0.40479	0.57630				
80	35	8.75794	23.46579	0.84724	0.37277	0.54309	0.84724	0.37201	0.54229	8.37992	20.52800	0.85125	0.40770	0.57924	0.85125	0.40694	0.57848				
80	36	8.75794	23.29632	0.84724	0.37545	0.54593	0.84724	0.37464	0.54507	8.37992	20.41023	0.85125	0.41001	0.58157	0.85125	0.40921	0.58076				
80	37	8.75794	23.12089	0.84724	0.37826	0.54889	0.84724	0.37739	0.54798	8.37992	20.28745	0.85125	0.41245	0.58402	0.85125	0.41159	0.58316				
80	38	8.75794	22.93911	0.84724	0.38121	0.55200	0.84724	0.38028	0.55102	8.37992	20.15926	0.85125	0.41503	0.58660	0.85125	0.41410	0.58567				
80	39	8.75794	22.75087	0.84724	0.38432	0.55525	0.84724	0.38331	0.55419	8.37992	20.02555	0.85125	0.41775	0.58931	0.85125	0.41675	0.58832				
80	40	8.75794	22.55572	0.84724	0.38759	0.55865	0.84724	0.38649	0.55751	8.37992	19.88587	0.85125	0.42062	0.59216	0.85125	0.41954	0.59109				
80	41	8.75794	22.35340	0.84724	0.39103	0.56221	0.84724	0.38983	0.56097	8.37992	19.73995	0.85125	0.42365	0.59516	0.85125	0.42247	0.59400				
80	42	8.75794	22.14385	0.84724	0.39465	0.56594	0.84724	0.39333	0.56459	8.37992	19.58769	0.85125	0.42685	0.59832	0.85125	0.42556	0.59705				
80	43	8.75794	21.92669	0.84724	0.39846	0.56985	0.84724	0.39701	0.56837	8.37992	19.42870	0.85125	0.43024	0.60164	0.85125	0.42882	0.60024				
80	44	8.75794	21.70178	0.84724	0.40247	0.57395	0.84724	0.40086	0.57231	8.37992	19.26280	0.85125	0.43382	0.60513	0.85125	0.43225	0.60359				
80	45	8.75794	21.46876	0.84724	0.40671	0.57824	0.84724	0.40491	0.57642	8.37992	19.08963	0.85125	0.43761	0.60880	0.85125	0.43586	0.60710				
80	46	8.75794	21.22763	0.84724	0.41117	0.58273	0.84724	0.40916	0.58071	8.37992	18.90911	0.85125	0.44162	0.61267	0.85125	0.43965	0.61078				
80	47	8.75794	20.97813	0.84724	0.41587	0.58744	0.84724	0.41361	0.58518	8.37992	18.72094	0.85125	0.44585	0.61673	0.85125	0.44365	0.61462				
80	48	8.75794	20.72003	0.84724	0.42083	0.59237	0.84724	0.41829	0.58985	8.37992	18.52488	0.85125	0.45033	0.62100	0.85125	0.44785	0.61865				
80	49	8.75794	20.45326	0.84724	0.42606	0.59753	0.84724	0.42319	0.59470	8.37992	18.32076	0.85125	0.45507	0.62549	0.85125	0.45228	0.62285				
80	50	8.75794	20.17742	0.84724	0.43158	0.60294	0.84724	0.42833	0.59976	8.37992	18.10816	0.85125	0.46008	0.63021	0.85125	0.45693	0.62725				
80	51	8.75794	19.89339	0.84724	0.43739	0.60859	0.84724	0.43373	0.60503	8.37992	17.88781	0.85125	0.46537	0.63516	0.85125	0.46182	0.63184				
80	52	8.75794	19.60122	0.84724	0.44352	0.61449	0.84724	0.43939	0.61052	8.37992	17.65967	0.85125	0.47096	0.64034	0.85125	0.46696	0.63663				
80	53	8.75794	19.30125	0.84724	0.44996	0.62065	0.84724	0.44533	0.61623	8.37992	17.42398	0.85125	0.47685	0.64577	0.85125	0.47237	0.64164				
80	54	8.75794	18.99375	0.84724	0.45674	0.62707	0.84724	0.45157	0.62218	8.37992	17.18091	0.85125	0.48307	0.65144	0.85125	0.47806	0.64687				
80	55	8.75794	18.67912	0.84724	0.46388	0.63376	0.84724	0.45811	0.62837	8.37992	16.93076	0.85125	0.48961	0.65737	0.85125	0.48405	0.65233				
80	56	8.75794	18.35803	0.84724	0.47137	0.64073	0.84724	0.46499	0.63481	8.37992	16.67407	0.85125	0.49650	0.66355	0.85125	0.49035	0.65803				
80	57	8.75794	18.02853	0.84724	0.47928	0.64799	0.84724	0.47222	0.64151	8.37992	16.40902	0.85125	0.50379	0.67002	0.85125	0.49699	0.66398				
80	58	8.75794	17.69065	0.84724	0.48762	0.65557	0.84724	0.47981	0.64847	8.37992	16.13552	0.85125	0.51148	0.67680	0.85125	0.50397	0.67019				
80	59	8.75794	17.34441	0.84724	0.49642	0.66348	0.84724	0.48778	0.65571	8.37992	15.85354	0.85125	0.51961	0.68387	0.85125	0.51132	0.67665				
80	60	8.75794	16.98967	0.84724	0.50570	0.67172	0.84724	0.49614	0.66322	8.37992	15.56284	0.85125	0.52820	0.69127	0.85125	0.51904	0.68338				
80	61	8.75794	16.62627	0.84724	0.51549	0.68030	0.84724	0.50491	0.67101	8.37992	15.26320	0.85125	0.53728	0.69900	0.85125	0.52716	0.69038				
80	62	8.75794	16.25423	0.84724	0.52581	0.68922	0.84724	0.51409	0.67908	8.37992	14.95454	0.85125	0.54686	0.70706	0.85125	0.53568	0.69764				
80	63	8.75794	15.87341	0.84724	0.53670	0.69851	0.84724	0.52371	0.68742	8.37992	14.63664	0.85125	0.55698	0.71546	0.85125	0.54461	0.70517				
80	64	8.75794	15.48353	0.84724	0.54816	0.70815	0.84724	0.53377	0.69602	8.37992	14.30913	0.85125	0.56766	0.72421	0.85125	0.55396	0.71297				
80	65	8.75794	15.08480	0.84724	0.56023	0.71814	0.84724	0.54426	0.70488	8.37992	13.97213	0.85125	0.57891	0.73330	0.85125	0.56374	0.72102				
80	66	8.75794	14.67724	0.84724	0.57292	0.72848	0.84724	0.55520	0.71399	8.37992	13.62552	0.85125	0.59075	0.74274	0.85125	0.57395	0.72931				
80	67	8.75794	14.26104	0.84724	0.58624	0.73916	0.84724	0.56657	0.72332	8.37992	13.26940	0.85125	0.60320	0.75250	0.85125	0.58458	0.73783				
80	68	8.75794	13.83657	0.84724	0.60019	0.75015	0.84724	0.57837	0.73287	8.37992	12.90401	0.85125	0.61626	0.76257	0.85125	0.59562	0.74657				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
80	69	8.75794	13.40435	0.84724	0.61477	0.76143	0.84724	0.59058	0.74260	8.37992	12.52973	0.85125	0.62991	0.77294	0.85125	0.60706	0.75549
80	70	8.75794	12.96501	0.84724	0.62995	0.77297	0.84724	0.60318	0.75248	8.37992	12.14706	0.85125	0.64415	0.78357	0.85125	0.61889	0.76459
80	71	8.75794	12.51927	0.84724	0.64570	0.78471	0.84724	0.61615	0.76249	8.37992	11.75658	0.85125	0.65895	0.79442	0.85125	0.63108	0.77382
80	72	8.75794	12.06792	0.84724	0.66200	0.79663	0.84724	0.62946	0.77260	8.37992	11.35893	0.85125	0.67427	0.80545	0.85125	0.64360	0.78316
80	73	8.75794	11.61185	0.84724	0.67877	0.80865	0.84724	0.64307	0.78276	8.37992	10.95491	0.85125	0.69006	0.81661	0.85125	0.65642	0.79258
80	74	8.75794	11.15217	0.84724	0.69596	0.82073	0.84724	0.65693	0.79295	8.37992	10.54549	0.85125	0.70626	0.82784	0.85125	0.66950	0.80203
80	75	8.75794	10.68986	0.84724	0.71348	0.83279	0.84724	0.67100	0.80311	8.37992	10.13154	0.85125	0.72279	0.83910	0.85125	0.68279	0.81150
80	76	8.75794	10.22626	0.84724	0.73123	0.84475	0.84724	0.68522	0.81321	8.37992	9.71428	0.85125	0.73957	0.85029	0.85125	0.69624	0.82092
80	77	8.75794	9.76277	0.84724	0.74909	0.85655	0.84724	0.69953	0.82320	8.37992	9.29502	0.85125	0.75649	0.86136	0.85125	0.70979	0.83027
80	78	8.75794	9.30064	0.84724	0.76695	0.86811	0.84724	0.71387	0.83305	8.37992	8.87492	0.85125	0.77342	0.87224	0.85125	0.72339	0.83950
80	79	8.75794	8.84103	0.84724	0.78468	0.87935	0.84724	0.72817	0.84271	8.37992	8.45509	0.85125	0.79027	0.88285	0.85125	0.73697	0.84857
80	80	8.75794	8.38551	0.84724	0.80213	0.89021	0.84724	0.74237	0.85214	8.37992	8.03703	0.85125	0.80690	0.89313	0.85125	0.75047	0.85745
80	81	8.75794	7.93532	0.84724	0.81919	0.90061	0.84724	0.75640	0.86131	8.37992	7.62196	0.85125	0.82318	0.90301	0.85125	0.76383	0.86611
80	82	8.75794	7.49211	0.84724	0.83570	0.91050	0.84724	0.77019	0.87018	8.37992	7.21152	0.85125	0.83898	0.91244	0.85125	0.77698	0.87450
80	83	8.75794	7.05756	0.84724	0.85155	0.91983	0.84724	0.78368	0.87872	8.37992	6.80735	0.85125	0.85419	0.92136	0.85125	0.78986	0.88260
80	84	8.75794	6.63342	0.84724	0.86662	0.92854	0.84724	0.79680	0.88691	8.37992	6.41122	0.85125	0.86868	0.92973	0.85125	0.80241	0.89037
80	85	8.75794	6.22156	0.84724	0.88080	0.93662	0.84724	0.80950	0.89472	8.37992	6.02503	0.85125	0.88236	0.93751	0.85125	0.81457	0.89781
80	86	8.75794	5.82374	0.84724	0.89401	0.94404	0.84724	0.82172	0.90214	8.37992	5.65055	0.85125	0.89515	0.94468	0.85125	0.82629	0.90489
80	87	8.75794	5.44155	0.84724	0.90621	0.95080	0.84724	0.83342	0.90914	8.37992	5.28949	0.85125	0.90699	0.95123	0.85125	0.83754	0.91159
80	88	8.75794	5.07613	0.84724	0.91736	0.95690	0.84724	0.84458	0.91574	8.37992	4.94306	0.85125	0.91785	0.95716	0.85125	0.84826	0.91790
80	89	8.75794	4.72862	0.84724	0.92746	0.96237	0.84724	0.85515	0.92192	8.37992	4.61250	0.85125	0.92772	0.96250	0.85125	0.85844	0.92383
80	90	8.75794	4.40007	0.84724	0.93654	0.96723	0.84724	0.86513	0.92769	8.37992	4.29901	0.85125	0.93661	0.96727	0.85125	0.86807	0.92937
80	91	8.75794	4.09149	0.84724	0.94462	0.97152	0.84724	0.87450	0.93305	8.37992	4.00370	0.85125	0.94455	0.97148	0.85125	0.87712	0.93454
80	92	8.75794	3.80354	0.84724	0.95175	0.97528	0.84724	0.88328	0.93802	8.37992	3.72738	0.85125	0.95158	0.97519	0.85125	0.88561	0.93933
80	93	8.75794	3.53621	0.84724	0.95802	0.97856	0.84724	0.89147	0.94262	8.37992	3.47020	0.85125	0.95777	0.97843	0.85125	0.89354	0.94378
80	94	8.75794	3.28870	0.84724	0.96349	0.98141	0.84724	0.89909	0.94686	8.37992	3.23152	0.85125	0.96320	0.98126	0.85125	0.90093	0.94788
80	95	8.75794	3.05955	0.84724	0.96826	0.98387	0.84724	0.90616	0.95077	8.37992	3.01004	0.85125	0.96794	0.98371	0.85125	0.90779	0.95167
80	96	8.75794	2.84646	0.84724	0.97241	0.98601	0.84724	0.91269	0.95435	8.37992	2.80360	0.85125	0.97208	0.98584	0.85125	0.91444	0.95515
80	97	8.75794	2.65226	0.84724	0.97597	0.98784	0.84724	0.91870	0.95763	8.37992	2.61510	0.85125	0.97564	0.98767	0.85125	0.91999	0.95833
80	98	8.75794	2.47567	0.84724	0.97903	0.98940	0.84724	0.92422	0.96062	8.37992	2.44340	0.85125	0.97870	0.98924	0.85125	0.92537	0.96124
80	99	8.75794	2.31535	0.84724	0.98165	0.99074	0.84724	0.92928	0.96334	8.37992	2.28724	0.85125	0.98133	0.99058	0.85125	0.93031	0.96389
80	100	8.75794	2.16976	0.84724	0.98389	0.99188	0.84724	0.93392	0.96583	8.37992	2.14523	0.85125	0.98359	0.99173	0.85125	0.93484	0.96632
80	101	8.75794	2.03734	0.84724	0.98582	0.99286	0.84724	0.93817	0.96810	8.37992	2.01587	0.85125	0.98554	0.99272	0.85125	0.93900	0.96854
80	102	8.75794	1.91714	0.84724	0.98748	0.99370	0.84724	0.94206	0.97017	8.37992	1.89830	0.85125	0.98721	0.99356	0.85125	0.94280	0.97056
80	103	8.75794	1.80800	0.84724	0.98890	0.99442	0.84724	0.94560	0.97204	8.37992	1.79140	0.85125	0.98864	0.99429	0.85125	0.94627	0.97239
80	104	8.75794	1.70943	0.84724	0.99011	0.99503	0.84724	0.94882	0.97374	8.37992	1.69474	0.85125	0.98987	0.99491	0.85125	0.94942	0.97405
80	105	8.75794	1.62048	0.84724	0.99114	0.99555	0.84724	0.95171	0.97526	8.37992	1.60741	0.85125	0.99093	0.99544	0.85125	0.95226	0.97555
80	106	8.75794	1.54080	0.84724	0.99202	0.99599	0.84724	0.95427	0.97660	8.37992	1.52911	0.85125	0.99182	0.99589	0.85125	0.95478	0.97687
80	107	8.75794	1.47009	0.84724	0.99275	0.99636	0.84724	0.95650	0.97777	8.37992	1.45954	0.85125	0.99256	0.99627	0.85125	0.95698	0.97802
80	108	8.75794	1.40861	0.84724	0.99335	0.99666	0.84724	0.95835	0.97873	8.37992	1.39898	0.85125	0.99317	0.99657	0.85125	0.95880	0.97897
80	109	8.75794	1.35764	0.84724	0.99380	0.99689	0.84724	0.95978	0.97948	8.37992	1.34871	0.85125	0.99364	0.99681	0.85125	0.96021	0.97970

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
80	110	8.75794	1.32125	0.84724	0.99411	0.99705	0.84724	0.96074	0.97998		8.37992	1.31279	0.85125	0.99395	0.99697	0.85125	0.96116	0.98019		
81	1	8.29933	26.72925	0.83432	0.31043	0.47378	0.83432	0.31029	0.47362		7.95855	22.57586	0.83863	0.35244	0.52119	0.83863	0.35229	0.52103		
81	2	8.29933	26.68154	0.83432	0.31099	0.47444	0.83432	0.31085	0.47428		7.95855	22.55058	0.83863	0.35284	0.52163	0.83863	0.35270	0.52148		
81	3	8.29933	26.63112	0.83432	0.31158	0.47512	0.83432	0.31145	0.47497		7.95855	22.52338	0.83863	0.35327	0.52210	0.83863	0.35313	0.52195		
81	4	8.29933	26.57806	0.83432	0.31220	0.47584	0.83432	0.31207	0.47569		7.95855	22.49433	0.83863	0.35373	0.52260	0.83863	0.35359	0.52244		
81	5	8.29933	26.52283	0.83432	0.31285	0.47660	0.83432	0.31271	0.47643		7.95855	22.46379	0.83863	0.35420	0.52312	0.83863	0.35406	0.52296		
81	6	8.29933	26.46539	0.83432	0.31352	0.47738	0.83432	0.31338	0.47721		7.95855	22.43176	0.83863	0.35471	0.52367	0.83863	0.35456	0.52350		
81	7	8.29933	26.40551	0.83432	0.31423	0.47820	0.83432	0.31408	0.47802		7.95855	22.39806	0.83863	0.35524	0.52424	0.83863	0.35508	0.52407		
81	8	8.29933	26.34335	0.83432	0.31497	0.47905	0.83432	0.31480	0.47886		7.95855	22.36278	0.83863	0.35579	0.52484	0.83863	0.35562	0.52466		
81	9	8.29933	26.27867	0.83432	0.31574	0.47994	0.83432	0.31556	0.47973		7.95855	22.32575	0.83863	0.35637	0.52548	0.83863	0.35619	0.52528		
81	10	8.29933	26.21121	0.83432	0.31654	0.48087	0.83432	0.31634	0.48064		7.95855	22.28674	0.83863	0.35699	0.52614	0.83863	0.35678	0.52592		
81	11	8.29933	26.14141	0.83432	0.31738	0.48183	0.83432	0.31716	0.48158		7.95855	22.24611	0.83863	0.35763	0.52684	0.83863	0.35740	0.52660		
81	12	8.29933	26.06892	0.83432	0.31825	0.48284	0.83432	0.31801	0.48256		7.95855	22.20360	0.83863	0.35830	0.52757	0.83863	0.35805	0.52730		
81	13	8.29933	25.99388	0.83432	0.31916	0.48388	0.83432	0.31890	0.48358		7.95855	22.15929	0.83863	0.35900	0.52833	0.83863	0.35873	0.52804		
81	14	8.29933	25.91617	0.83432	0.32010	0.48497	0.83432	0.31982	0.48464		7.95855	22.11310	0.83863	0.35974	0.52913	0.83863	0.35944	0.52881		
81	15	8.29933	25.83587	0.83432	0.32109	0.48610	0.83432	0.32078	0.48574		7.95855	22.06509	0.83863	0.36051	0.52996	0.83863	0.36019	0.52962		
81	16	8.29933	25.75319	0.83432	0.32211	0.48726	0.83432	0.32178	0.48689		7.95855	22.01544	0.83863	0.36131	0.53082	0.83863	0.36097	0.53046		
81	17	8.29933	25.66857	0.83432	0.32316	0.48847	0.83432	0.32282	0.48808		7.95855	21.96453	0.83863	0.36214	0.53172	0.83863	0.36179	0.53134		
81	18	8.29933	25.58235	0.83432	0.32425	0.48972	0.83432	0.32392	0.48933		7.95855	21.91267	0.83863	0.36300	0.53264	0.83863	0.36265	0.53227		
81	19	8.29933	25.49361	0.83432	0.32539	0.49101	0.83432	0.32506	0.49064		7.95855	21.85907	0.83863	0.36389	0.53361	0.83863	0.36356	0.53325		
81	20	8.29933	25.40164	0.83432	0.32657	0.49236	0.83432	0.32626	0.49200		7.95855	21.80312	0.83863	0.36483	0.53462	0.83863	0.36451	0.53428		
81	21	8.29933	25.30562	0.83432	0.32782	0.49377	0.83432	0.32751	0.49343		7.95855	21.74411	0.83863	0.36583	0.53569	0.83863	0.36552	0.53536		
81	22	8.29933	25.20517	0.83432	0.32913	0.49525	0.83432	0.32883	0.49492		7.95855	21.68171	0.83863	0.36689	0.53682	0.83863	0.36659	0.53650		
81	23	8.29933	25.09967	0.83432	0.33051	0.49681	0.83432	0.33020	0.49647		7.95855	21.61537	0.83863	0.36801	0.53802	0.83863	0.36770	0.53770		
81	24	8.29933	24.98936	0.83432	0.33196	0.49845	0.83432	0.33164	0.49810		7.95855	21.54528	0.83863	0.36920	0.53929	0.83863	0.36888	0.53895		
81	25	8.29933	24.87419	0.83432	0.33348	0.50017	0.83432	0.33315	0.49979		7.95855	21.47137	0.83863	0.37046	0.54063	0.83863	0.37012	0.54027		
81	26	8.29933	24.75420	0.83432	0.33509	0.50197	0.83432	0.33472	0.50156		7.95855	21.39367	0.83863	0.37179	0.54205	0.83863	0.37141	0.54165		
81	27	8.29933	24.62994	0.83432	0.33676	0.50384	0.83432	0.33636	0.50340		7.95855	21.31262	0.83863	0.37318	0.54353	0.83863	0.37278	0.54310		
81	28	8.29933	24.50119	0.83432	0.33851	0.50580	0.83432	0.33808	0.50532		7.95855	21.22804	0.83863	0.37465	0.54508	0.83863	0.37421	0.54462		
81	29	8.29933	24.36788	0.83432	0.34034	0.50785	0.83432	0.33988	0.50733		7.95855	21.13984	0.83863	0.37619	0.54671	0.83863	0.37572	0.54621		
81	30	8.29933	24.23009	0.83432	0.34226	0.50998	0.83432	0.34176	0.50942		7.95855	21.04806	0.83863	0.37781	0.54842	0.83863	0.37730	0.54788		
81	31	8.29933	24.08752	0.83432	0.34427	0.51220	0.83432	0.34373	0.51161		7.95855	20.95246	0.83863	0.37951	0.55021	0.83863	0.37897	0.54964		
81	32	8.29933	23.94006	0.83432	0.34637	0.51452	0.83432	0.34580	0.51389		7.95855	20.85289	0.83863	0.38130	0.55208	0.83863	0.38072	0.55148		
81	33	8.29933	23.78740	0.83432	0.34857	0.51695	0.83432	0.34796	0.51627		7.95855	20.74907	0.83863	0.38318	0.55406	0.83863	0.38256	0.55341		
81	34	8.29933	23.62942	0.83432	0.35088	0.51948	0.83432	0.35023	0.51877		7.95855	20.64088	0.83863	0.38516	0.55613	0.83863	0.38451	0.55544		
81	35	8.29933	23.46579	0.83432	0.35330	0.52213	0.83432	0.35260	0.52137		7.95855	20.52800	0.83863	0.38725	0.55830	0.83863	0.38655	0.55758		
81	36	8.29933	23.29632	0.83432	0.35584	0.52490	0.83432	0.35510	0.52409		7.95855	20.41023	0.83863	0.38946	0.56059	0.83863	0.38871	0.55982		
81	37	8.29933	23.12089	0.83432	0.35851	0.52780	0.83432	0.35772	0.52694		7.95855	20.28745	0.83863	0.39178	0.56299	0.83863	0.39098	0.56217		
81	38	8.29933	22.93911	0.83432	0.36132	0.53083	0.83432	0.36046	0.52991		7.95855	20.15926	0.83863	0.39423	0.56552	0.83863	0.39338	0.56464		
81	39	8.29933	22.75087	0.83432	0.36427	0.53401	0.83432	0.36335	0.53302		7.95855	20.02555	0.83863	0.39682	0.56817	0.83863	0.39590	0.56724		
81	40	8.29933	22.55572	0.83432	0.36737	0.53734	0.83432	0.36637	0.53627		7.95855	19.88587	0.83863	0.39955	0.57097	0.83863	0.39856	0.56996		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Retiree Age	Beneficiary Age	Retiree Annuity Value	Beneficiary Annuity Value	Option 1 Factor	Option 2 Factor	Option 3 Factor	Option 4 Factor	Option 5 Factor	Option 6 Factor	Retiree Annuity Value	Beneficiary Annuity Value	Option 1 Factor	Option 2 Factor	Option 3 Factor	Option 4 Factor	Option 5 Factor	Option 6 Factor
81	41	8.29933	22.35340	0.83432	0.37064	0.54083	0.83432	0.36955	0.53967	7.95855	19.73995	0.83863	0.40244	0.57392	0.83863	0.40137	0.57282
81	42	8.29933	22.14385	0.83432	0.37408	0.54448	0.83432	0.37289	0.54322	7.95855	19.58769	0.83863	0.40550	0.57702	0.83863	0.40432	0.57582
81	43	8.29933	21.92669	0.83432	0.37771	0.54831	0.83432	0.37639	0.54692	7.95855	19.42870	0.83863	0.40873	0.58028	0.83863	0.40743	0.57897
81	44	8.29933	21.70178	0.83432	0.38153	0.55233	0.83432	0.38007	0.55080	7.95855	19.26280	0.83863	0.41215	0.58372	0.83863	0.41071	0.58227
81	45	8.29933	21.46876	0.83432	0.38556	0.55654	0.83432	0.38393	0.55484	7.95855	19.08963	0.83863	0.41576	0.58734	0.83863	0.41416	0.58574
81	46	8.29933	21.22763	0.83432	0.38980	0.56095	0.83432	0.38798	0.55906	7.95855	18.90911	0.83863	0.41959	0.59114	0.83863	0.41780	0.58936
81	47	8.29933	20.97813	0.83432	0.39428	0.56557	0.83432	0.39223	0.56346	7.95855	18.72094	0.83863	0.42364	0.59515	0.83863	0.42162	0.59316
81	48	8.29933	20.72003	0.83432	0.39901	0.57042	0.83432	0.39670	0.56805	7.95855	18.52488	0.83863	0.42792	0.59936	0.83863	0.42565	0.59713
81	49	8.29933	20.45326	0.83432	0.40400	0.57550	0.83432	0.40138	0.57284	7.95855	18.32076	0.83863	0.43245	0.60379	0.83863	0.42989	0.60129
81	50	8.29933	20.17742	0.83432	0.40926	0.58082	0.83432	0.40630	0.57783	7.95855	18.10816	0.83863	0.43725	0.60845	0.83863	0.43435	0.60564
81	51	8.29933	19.89339	0.83432	0.41481	0.58639	0.83432	0.41146	0.58303	7.95855	17.88781	0.83863	0.44232	0.61334	0.83863	0.43904	0.61019
81	52	8.29933	19.60122	0.83432	0.42066	0.59221	0.83432	0.41688	0.58845	7.95855	17.65967	0.83863	0.44767	0.61847	0.83863	0.44398	0.61494
81	53	8.29933	19.30125	0.83432	0.42682	0.59829	0.83432	0.42257	0.59410	7.95855	17.42398	0.83863	0.45332	0.62384	0.83863	0.44918	0.61991
81	54	8.29933	18.99375	0.83432	0.43331	0.60463	0.83432	0.42855	0.59998	7.95855	17.18091	0.83863	0.45928	0.62947	0.83863	0.45465	0.62510
81	55	8.29933	18.67912	0.83432	0.44014	0.61125	0.83432	0.43484	0.60611	7.95855	16.93076	0.83863	0.46557	0.63534	0.83863	0.46041	0.63052
81	56	8.29933	18.35803	0.83432	0.44732	0.61814	0.83432	0.44144	0.61250	7.95855	16.67407	0.83863	0.47219	0.64148	0.83863	0.46649	0.63620
81	57	8.29933	18.02853	0.83432	0.45491	0.62534	0.83432	0.44839	0.61916	7.95855	16.40902	0.83863	0.47920	0.64792	0.83863	0.47289	0.64212
81	58	8.29933	17.69065	0.83432	0.46292	0.63287	0.83432	0.45570	0.62609	7.95855	16.13552	0.83863	0.48661	0.65466	0.83863	0.47963	0.64831
81	59	8.29933	17.34441	0.83432	0.47138	0.64073	0.83432	0.46339	0.63331	7.95855	15.85354	0.83863	0.49446	0.66172	0.83863	0.48674	0.65477
81	60	8.29933	16.98967	0.83432	0.48031	0.64893	0.83432	0.47146	0.64081	7.95855	15.56284	0.83863	0.50275	0.66911	0.83863	0.49422	0.66151
81	61	8.29933	16.62627	0.83432	0.48976	0.65750	0.83432	0.47995	0.64860	7.95855	15.26320	0.83863	0.51154	0.67684	0.83863	0.50210	0.66853
81	62	8.29933	16.25423	0.83432	0.49973	0.66643	0.83432	0.48886	0.65669	7.95855	14.95454	0.83863	0.52083	0.68493	0.83863	0.51038	0.67583
81	63	8.29933	15.87341	0.83432	0.51027	0.67573	0.83432	0.49820	0.66507	7.95855	14.63664	0.83863	0.53066	0.69337	0.83863	0.51909	0.68342
81	64	8.29933	15.48353	0.83432	0.52140	0.68543	0.83432	0.50800	0.67374	7.95855	14.30913	0.83863	0.54106	0.70219	0.83863	0.52823	0.69129
81	65	8.29933	15.08480	0.83432	0.53315	0.69550	0.83432	0.51825	0.68269	7.95855	13.97213	0.83863	0.55205	0.71138	0.83863	0.53781	0.69945
81	66	8.29933	14.67724	0.83432	0.54555	0.70596	0.83432	0.52896	0.69192	7.95855	13.62552	0.83863	0.56365	0.72094	0.83863	0.54783	0.70787
81	67	8.29933	14.26104	0.83432	0.55859	0.71679	0.83432	0.54013	0.70141	7.95855	13.26940	0.83863	0.57589	0.73087	0.83863	0.55830	0.71655
81	68	8.29933	13.83657	0.83432	0.57231	0.72799	0.83432	0.55176	0.71114	7.95855	12.90401	0.83863	0.58876	0.74116	0.83863	0.56922	0.72548
81	69	8.29933	13.40435	0.83432	0.58670	0.73952	0.83432	0.56384	0.72110	7.95855	12.52973	0.83863	0.60229	0.75178	0.83863	0.58057	0.73463
81	70	8.29933	12.96501	0.83432	0.60175	0.75137	0.83432	0.57635	0.73125	7.95855	12.14706	0.83863	0.61645	0.76272	0.83863	0.59234	0.74399
81	71	8.29933	12.51927	0.83432	0.61745	0.76349	0.83432	0.58928	0.74157	7.95855	11.75658	0.83863	0.63123	0.77393	0.83863	0.60452	0.75352
81	72	8.29933	12.06792	0.83432	0.63377	0.77584	0.83432	0.60260	0.75203	7.95855	11.35893	0.83863	0.64662	0.78539	0.83863	0.61709	0.76321
81	73	8.29933	11.61185	0.83432	0.65067	0.78837	0.83432	0.61628	0.76259	7.95855	10.95491	0.83863	0.66256	0.79704	0.83863	0.63001	0.77301
81	74	8.29933	11.15217	0.83432	0.66808	0.80102	0.83432	0.63027	0.77321	7.95855	10.54549	0.83863	0.67902	0.80883	0.83863	0.64325	0.78290
81	75	8.29933	10.68986	0.83432	0.68595	0.81372	0.83432	0.64455	0.78386	7.95855	10.13154	0.83863	0.69592	0.82070	0.83863	0.65676	0.79282
81	76	8.29933	10.22626	0.83432	0.70417	0.82641	0.83432	0.65905	0.79449	7.95855	9.71428	0.83863	0.71317	0.83258	0.83863	0.67050	0.80276
81	77	8.29933	9.76277	0.83432	0.72263	0.83899	0.83432	0.67371	0.80505	7.95855	9.29502	0.83863	0.73069	0.84439	0.83863	0.68442	0.81265
81	78	8.29933	9.30064	0.83432	0.74123	0.85139	0.83432	0.68848	0.81550	7.95855	8.87492	0.83863	0.74836	0.85607	0.83863	0.69846	0.82246
81	79	8.29933	8.84103	0.83432	0.75983	0.86353	0.83432	0.70329	0.82580	7.95855	8.45509	0.83863	0.76606	0.86753	0.83863	0.71255	0.83215
81	80	8.29933	8.38551	0.83432	0.77829	0.87533	0.83432	0.71807	0.83590	7.95855	8.03703	0.83863	0.78366	0.87871	0.83863	0.72663	0.84167
81	81	8.29933	7.93532	0.83432	0.79647	0.88671	0.83432	0.73274	0.84576	7.95855	7.62196	0.83863	0.80102	0.88952	0.83863	0.74063	0.85099

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
81	82	8.29933	7.49211	0.83432	0.81422	0.89760	0.83432	0.74724	0.85534	7.95855	7.21152	0.83863	0.81801	0.89990	0.83863	0.75448	0.86006
81	83	8.29933	7.05756	0.83432	0.83138	0.90793	0.83432	0.76149	0.86460	7.95855	6.80735	0.83863	0.83448	0.90977	0.83863	0.76811	0.86885
81	84	8.29933	6.63342	0.83432	0.84782	0.91765	0.83432	0.77543	0.87351	7.95855	6.41122	0.83863	0.85030	0.91909	0.83863	0.78145	0.87732
81	85	8.29933	6.22156	0.83432	0.86342	0.92670	0.83432	0.78899	0.88205	7.95855	6.02503	0.83863	0.86534	0.92781	0.83863	0.79445	0.88545
81	86	8.29933	5.82374	0.83432	0.87806	0.93507	0.83432	0.80209	0.89018	7.95855	5.65055	0.83863	0.87950	0.93589	0.83863	0.80704	0.89322
81	87	8.29933	5.44155	0.83432	0.89167	0.94273	0.83432	0.81470	0.89789	7.95855	5.28949	0.83863	0.89270	0.94331	0.83863	0.81916	0.90059
81	88	8.29933	5.07613	0.83432	0.90419	0.94969	0.83432	0.82676	0.90516	7.95855	4.94306	0.83863	0.90489	0.95007	0.83863	0.83077	0.90756
81	89	8.29933	4.72862	0.83432	0.91561	0.95595	0.83432	0.83824	0.91200	7.95855	4.61250	0.83863	0.91603	0.95618	0.83863	0.84184	0.91413
81	90	8.29933	4.40007	0.83432	0.92593	0.96154	0.83432	0.84911	0.91840	7.95855	4.29901	0.83863	0.92613	0.96165	0.83863	0.85234	0.92028
81	91	8.29933	4.09149	0.83432	0.93517	0.96650	0.83432	0.85937	0.92437	7.95855	4.00370	0.83863	0.93519	0.96651	0.83863	0.86225	0.92603
81	92	8.29933	3.80354	0.83432	0.94336	0.97086	0.83432	0.86900	0.92991	7.95855	3.72738	0.83863	0.94326	0.97080	0.83863	0.87157	0.93138
81	93	8.29933	3.53621	0.83432	0.95059	0.97467	0.83432	0.87802	0.93505	7.95855	3.47020	0.83863	0.95040	0.97457	0.83863	0.88031	0.93634
81	94	8.29933	3.28870	0.83432	0.95694	0.97799	0.83432	0.88643	0.93980	7.95855	3.23152	0.83863	0.95668	0.97786	0.83863	0.88847	0.94094
81	95	8.29933	3.05955	0.83432	0.96248	0.98088	0.83432	0.89426	0.94418	7.95855	3.01004	0.83863	0.96218	0.98073	0.83863	0.89608	0.94519
81	96	8.29933	2.84646	0.83432	0.96733	0.98339	0.83432	0.90152	0.94821	7.95855	2.80360	0.83863	0.96700	0.98322	0.83863	0.90313	0.94910
81	97	8.29933	2.65226	0.83432	0.97150	0.98554	0.83432	0.90820	0.95189	7.95855	2.61510	0.83863	0.97116	0.98537	0.83863	0.90964	0.95268
81	98	8.29933	2.47567	0.83432	0.97509	0.98739	0.83432	0.91435	0.95526	7.95855	2.44340	0.83863	0.97475	0.98721	0.83863	0.91563	0.95596
81	99	8.29933	2.31535	0.83432	0.97817	0.98896	0.83432	0.92000	0.95834	7.95855	2.28724	0.83863	0.97784	0.98880	0.83863	0.92115	0.95896
81	100	8.29933	2.16976	0.83432	0.98082	0.99032	0.83432	0.92520	0.96115	7.95855	2.14523	0.83863	0.98050	0.99015	0.83863	0.92622	0.96170
81	101	8.29933	2.03734	0.83432	0.98310	0.99148	0.83432	0.92996	0.96371	7.95855	2.01587	0.83863	0.98279	0.99132	0.83863	0.93088	0.96421
81	102	8.29933	1.91714	0.83432	0.98506	0.99247	0.83432	0.93432	0.96605	7.95855	1.89830	0.83863	0.98477	0.99233	0.83863	0.93515	0.96649
81	103	8.29933	1.80800	0.83432	0.98674	0.99332	0.83432	0.93831	0.96817	7.95855	1.79140	0.83863	0.98647	0.99319	0.83863	0.93906	0.96857
81	104	8.29933	1.70943	0.83432	0.98818	0.99405	0.83432	0.94192	0.97009	7.95855	1.69474	0.83863	0.98792	0.99393	0.83863	0.94260	0.97045
81	105	8.29933	1.62048	0.83432	0.98941	0.99468	0.83432	0.94518	0.97182	7.95855	1.60741	0.83863	0.98917	0.99456	0.83863	0.94580	0.97215
81	106	8.29933	1.54080	0.83432	0.99045	0.99520	0.83432	0.94807	0.97335	7.95855	1.52911	0.83863	0.99023	0.99509	0.83863	0.94865	0.97365
81	107	8.29933	1.47009	0.83432	0.99132	0.99564	0.83432	0.95059	0.97467	7.95855	1.45954	0.83863	0.99112	0.99554	0.83863	0.95112	0.97495
81	108	8.29933	1.40861	0.83432	0.99203	0.99600	0.83432	0.95268	0.97577	7.95855	1.39898	0.83863	0.99184	0.99590	0.83863	0.95319	0.97603
81	109	8.29933	1.35764	0.83432	0.99258	0.99628	0.83432	0.95429	0.97661	7.95855	1.34871	0.83863	0.99239	0.99618	0.83863	0.95478	0.97687
81	110	8.29933	1.32125	0.83432	0.99295	0.99646	0.83432	0.95538	0.97718	7.95855	1.31279	0.83863	0.99277	0.99637	0.83863	0.95585	0.97743
82	1	7.84734	26.72925	0.82129	0.29353	0.45384	0.82129	0.29340	0.45368	7.54138	22.57586	0.82592	0.33398	0.50072	0.82592	0.33384	0.50057
82	2	7.84734	26.68154	0.82129	0.29406	0.45448	0.82129	0.29393	0.45433	7.54138	22.55058	0.82592	0.33436	0.50115	0.82592	0.33423	0.50100
82	3	7.84734	26.63112	0.82129	0.29462	0.45514	0.82129	0.29450	0.45500	7.54138	22.52338	0.82592	0.33476	0.50160	0.82592	0.33463	0.50146
82	4	7.84734	26.57806	0.82129	0.29520	0.45584	0.82129	0.29508	0.45570	7.54138	22.49433	0.82592	0.33519	0.50209	0.82592	0.33506	0.50195
82	5	7.84734	26.52283	0.82129	0.29582	0.45657	0.82129	0.29569	0.45642	7.54138	22.46379	0.82592	0.33565	0.50260	0.82592	0.33551	0.50245
82	6	7.84734	26.46539	0.82129	0.29646	0.45733	0.82129	0.29632	0.45718	7.54138	22.43176	0.82592	0.33612	0.50313	0.82592	0.33598	0.50298
82	7	7.84734	26.40551	0.82129	0.29713	0.45813	0.82129	0.29699	0.45796	7.54138	22.39806	0.82592	0.33662	0.50369	0.82592	0.33648	0.50353
82	8	7.84734	26.34335	0.82129	0.29782	0.45896	0.82129	0.29767	0.45878	7.54138	22.36278	0.82592	0.33715	0.50428	0.82592	0.33699	0.50411
82	9	7.84734	26.27867	0.82129	0.29855	0.45982	0.82129	0.29839	0.45963	7.54138	22.32575	0.82592	0.33770	0.50490	0.82592	0.33753	0.50471
82	10	7.84734	26.21121	0.82129	0.29931	0.46072	0.82129	0.29913	0.46051	7.54138	22.28674	0.82592	0.33828	0.50555	0.82592	0.33810	0.50534
82	11	7.84734	26.14141	0.82129	0.30010	0.46166	0.82129	0.29990	0.46143	7.54138	22.24611	0.82592	0.33889	0.50623	0.82592	0.33869	0.50600
82	12	7.84734	26.06892	0.82129	0.30093	0.46264	0.82129	0.30071	0.46238	7.54138	22.20360	0.82592	0.33953	0.50694	0.82592	0.33931	0.50669

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Retiree		Beneficiary		Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Age	Age	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Factor	Factor	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor
82	13	7.84734	25.99388	0.82129	0.30179	0.46365	0.82129	0.30155	0.46337			7.54138	22.15929	0.82592	0.34020	0.50768	0.82592	0.33995	0.50741
82	14	7.84734	25.91617	0.82129	0.30268	0.46471	0.82129	0.30242	0.46440			7.54138	22.11310	0.82592	0.34090	0.50846	0.82592	0.34062	0.50816
82	15	7.84734	25.83587	0.82129	0.30361	0.46580	0.82129	0.30333	0.46547			7.54138	22.06509	0.82592	0.34163	0.50927	0.82592	0.34133	0.50894
82	16	7.84734	25.75319	0.82129	0.30458	0.46694	0.82129	0.30428	0.46658			7.54138	22.01544	0.82592	0.34239	0.51011	0.82592	0.34207	0.50976
82	17	7.84734	25.66857	0.82129	0.30558	0.46811	0.82129	0.30526	0.46774			7.54138	21.96453	0.82592	0.34317	0.51099	0.82592	0.34285	0.51063
82	18	7.84734	25.58235	0.82129	0.30661	0.46932	0.82129	0.30630	0.46895			7.54138	21.91267	0.82592	0.34399	0.51189	0.82592	0.34366	0.51153
82	19	7.84734	25.49361	0.82129	0.30768	0.47058	0.82129	0.30738	0.47022			7.54138	21.85907	0.82592	0.34484	0.51283	0.82592	0.34452	0.51248
82	20	7.84734	25.40164	0.82129	0.30880	0.47188	0.82129	0.30851	0.47155			7.54138	21.80312	0.82592	0.34573	0.51382	0.82592	0.34543	0.51349
82	21	7.84734	25.30562	0.82129	0.30998	0.47326	0.82129	0.30970	0.47293			7.54138	21.74411	0.82592	0.34667	0.51486	0.82592	0.34639	0.51454
82	22	7.84734	25.20517	0.82129	0.31122	0.47470	0.82129	0.31094	0.47438			7.54138	21.68171	0.82592	0.34767	0.51596	0.82592	0.34740	0.51565
82	23	7.84734	25.09967	0.82129	0.31252	0.47622	0.82129	0.31225	0.47590			7.54138	21.61537	0.82592	0.34874	0.51713	0.82592	0.34846	0.51682
82	24	7.84734	24.98936	0.82129	0.31390	0.47781	0.82129	0.31361	0.47748			7.54138	21.54528	0.82592	0.34987	0.51837	0.82592	0.34957	0.51805
82	25	7.84734	24.87419	0.82129	0.31534	0.47948	0.82129	0.31503	0.47913			7.54138	21.47137	0.82592	0.35106	0.51968	0.82592	0.35075	0.51934
82	26	7.84734	24.75420	0.82129	0.31686	0.48123	0.82129	0.31652	0.48085			7.54138	21.39367	0.82592	0.35232	0.52106	0.82592	0.35198	0.52069
82	27	7.84734	24.62994	0.82129	0.31844	0.48306	0.82129	0.31808	0.48264			7.54138	21.31262	0.82592	0.35364	0.52251	0.82592	0.35328	0.52210
82	28	7.84734	24.50119	0.82129	0.32010	0.48496	0.82129	0.31971	0.48451			7.54138	21.22804	0.82592	0.35504	0.52402	0.82592	0.35464	0.52359
82	29	7.84734	24.36788	0.82129	0.32183	0.48695	0.82129	0.32141	0.48646			7.54138	21.13984	0.82592	0.35650	0.52562	0.82592	0.35607	0.52514
82	30	7.84734	24.23009	0.82129	0.32365	0.48903	0.82129	0.32319	0.48850			7.54138	21.04806	0.82592	0.35803	0.52728	0.82592	0.35757	0.52678
82	31	7.84734	24.08752	0.82129	0.32555	0.49119	0.82129	0.32506	0.49063			7.54138	20.95246	0.82592	0.35965	0.52903	0.82592	0.35915	0.52849
82	32	7.84734	23.94006	0.82129	0.32754	0.49345	0.82129	0.32701	0.49286			7.54138	20.85289	0.82592	0.36135	0.53087	0.82592	0.36081	0.53029
82	33	7.84734	23.78740	0.82129	0.32962	0.49581	0.82129	0.32906	0.49518			7.54138	20.74907	0.82592	0.36313	0.53279	0.82592	0.36257	0.53218
82	34	7.84734	23.62942	0.82129	0.33181	0.49828	0.82129	0.33121	0.49761			7.54138	20.64088	0.82592	0.36502	0.53481	0.82592	0.36441	0.53417
82	35	7.84734	23.46579	0.82129	0.33410	0.50086	0.82129	0.33346	0.50015			7.54138	20.52800	0.82592	0.36700	0.53694	0.82592	0.36636	0.53625
82	36	7.84734	23.29632	0.82129	0.33651	0.50356	0.82129	0.33583	0.50280			7.54138	20.41023	0.82592	0.36909	0.53918	0.82592	0.36841	0.53845
82	37	7.84734	23.12089	0.82129	0.33903	0.50639	0.82129	0.33831	0.50558			7.54138	20.28745	0.82592	0.37130	0.54153	0.82592	0.37057	0.54075
82	38	7.84734	22.93911	0.82129	0.34169	0.50934	0.82129	0.34092	0.50848			7.54138	20.15926	0.82592	0.37363	0.54400	0.82592	0.37285	0.54317
82	39	7.84734	22.75087	0.82129	0.34449	0.51244	0.82129	0.34365	0.51152			7.54138	20.02555	0.82592	0.37608	0.54660	0.82592	0.37525	0.54572
82	40	7.84734	22.55572	0.82129	0.34743	0.51569	0.82129	0.34653	0.51470			7.54138	19.88587	0.82592	0.37868	0.54934	0.82592	0.37778	0.54839
82	41	7.84734	22.35340	0.82129	0.35053	0.51910	0.82129	0.34955	0.51802			7.54138	19.73995	0.82592	0.38143	0.55223	0.82592	0.38045	0.55120
82	42	7.84734	22.14385	0.82129	0.35379	0.52267	0.82129	0.35272	0.52149			7.54138	19.58769	0.82592	0.38434	0.55526	0.82592	0.38326	0.55414
82	43	7.84734	21.92669	0.82129	0.35723	0.52641	0.82129	0.35604	0.52512			7.54138	19.42870	0.82592	0.38741	0.55847	0.82592	0.38623	0.55724
82	44	7.84734	21.70178	0.82129	0.36086	0.53034	0.82129	0.35954	0.52892			7.54138	19.26280	0.82592	0.39066	0.56184	0.82592	0.38936	0.56048
82	45	7.84734	21.46876	0.82129	0.36468	0.53446	0.82129	0.36321	0.53288			7.54138	19.08963	0.82592	0.39410	0.56539	0.82592	0.39265	0.56389
82	46	7.84734	21.22763	0.82129	0.36871	0.53878	0.82129	0.36707	0.53702			7.54138	18.90911	0.82592	0.39775	0.56913	0.82592	0.39612	0.56746
82	47	7.84734	20.97813	0.82129	0.37297	0.54331	0.82129	0.37112	0.54134			7.54138	18.72094	0.82592	0.40160	0.57306	0.82592	0.39977	0.57120
82	48	7.84734	20.72003	0.82129	0.37746	0.54806	0.82129	0.37537	0.54585			7.54138	18.52488	0.82592	0.40569	0.57721	0.82592	0.40362	0.57512
82	49	7.84734	20.45326	0.82129	0.38221	0.55304	0.82129	0.37984	0.55056			7.54138	18.32076	0.82592	0.41001	0.58157	0.82592	0.40767	0.57922
82	50	7.84734	20.17742	0.82129	0.38722	0.55826	0.82129	0.38453	0.55546			7.54138	18.10816	0.82592	0.41459	0.58616	0.82592	0.41194	0.58351
82	51	7.84734	19.89339	0.82129	0.39250	0.56373	0.82129	0.38945	0.56058			7.54138	17.88781	0.82592	0.41943	0.59098	0.82592	0.41643	0.58800
82	52	7.84734	19.60122	0.82129	0.39807	0.56946	0.82129	0.39463	0.56592			7.54138	17.65967	0.82592	0.42454	0.59604	0.82592	0.42116	0.59269
82	53	7.84734	19.30125	0.82129	0.40394	0.57544	0.82129	0.40006	0.57149			7.54138	17.42398	0.82592	0.42994	0.60134	0.82592	0.42613	0.59761

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree Age</u>	<u>Beneficiary Age</u>	<u>Retiree Annuity Value</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>	<u>Retiree Annuity Value</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>
82	95	7.84734	3.05955	0.82129	0.95570	0.97735	0.82129	0.88112	0.93680	7.54138	3.01004	0.82592	0.95543	0.97721	0.82592	0.88312	0.93793
82	96	7.84734	2.84646	0.82129	0.96134	0.98029	0.82129	0.88914	0.94132	7.54138	2.80360	0.82592	0.96103	0.98013	0.82592	0.89093	0.94232
82	97	7.84734	2.65226	0.82129	0.96621	0.98282	0.82129	0.89654	0.94545	7.54138	2.61510	0.82592	0.96588	0.98265	0.82592	0.89814	0.94634
82	98	7.84734	2.47567	0.82129	0.97042	0.98499	0.82129	0.90338	0.94924	7.54138	2.44340	0.82592	0.97008	0.98481	0.82592	0.90480	0.95002
82	99	7.84734	2.31535	0.82129	0.97404	0.98685	0.82129	0.90967	0.95270	7.54138	2.28724	0.82592	0.97370	0.98668	0.82592	0.91095	0.95340
82	100	7.84734	2.16976	0.82129	0.97716	0.98845	0.82129	0.91546	0.95587	7.54138	2.14523	0.82592	0.97683	0.98828	0.82592	0.91661	0.95649
82	101	7.84734	2.03734	0.82129	0.97985	0.98982	0.82129	0.92079	0.95876	7.54138	2.01587	0.82592	0.97953	0.98966	0.82592	0.92182	0.95932
82	102	7.84734	1.91714	0.82129	0.98216	0.99100	0.82129	0.92567	0.96140	7.54138	1.89830	0.82592	0.98186	0.99085	0.82592	0.92660	0.96190
82	103	7.84734	1.80800	0.82129	0.98416	0.99202	0.82129	0.93013	0.96380	7.54138	1.79140	0.82592	0.98387	0.99187	0.82592	0.93097	0.96425
82	104	7.84734	1.70943	0.82129	0.98587	0.99288	0.82129	0.93419	0.96598	7.54138	1.69474	0.82592	0.98559	0.99274	0.82592	0.93495	0.96638
82	105	7.84734	1.62048	0.82129	0.98733	0.99362	0.82129	0.93785	0.96793	7.54138	1.60741	0.82592	0.98707	0.99349	0.82592	0.93855	0.96830
82	106	7.84734	1.54080	0.82129	0.98857	0.99425	0.82129	0.94111	0.96966	7.54138	1.52911	0.82592	0.98833	0.99413	0.82592	0.94175	0.97000
82	107	7.84734	1.47009	0.82129	0.98961	0.99478	0.82129	0.94395	0.97116	7.54138	1.45954	0.82592	0.98938	0.99466	0.82592	0.94455	0.97148
82	108	7.84734	1.40861	0.82129	0.99045	0.99520	0.82129	0.94631	0.97241	7.54138	1.39898	0.82592	0.99024	0.99510	0.82592	0.94687	0.97271
82	109	7.84734	1.35764	0.82129	0.99111	0.99553	0.82129	0.94812	0.97337	7.54138	1.34871	0.82592	0.99090	0.99543	0.82592	0.94867	0.97366
82	110	7.84734	1.32125	0.82129	0.99154	0.99575	0.82129	0.94935	0.97402	7.54138	1.31279	0.82592	0.99135	0.99566	0.82592	0.94988	0.97430
83	1	7.40338	26.72925	0.80796	0.27693	0.43374	0.80796	0.27681	0.43359	7.12982	22.57586	0.81217	0.31576	0.47996	0.81217	0.31563	0.47981
83	2	7.40338	26.68154	0.80796	0.27743	0.43435	0.80796	0.27731	0.43422	7.12982	22.55058	0.81217	0.31611	0.48038	0.81217	0.31600	0.48024
83	3	7.40338	26.63112	0.80796	0.27795	0.43500	0.80796	0.27784	0.43486	7.12982	22.52338	0.81217	0.31650	0.48082	0.81217	0.31638	0.48069
83	4	7.40338	26.57806	0.80796	0.27851	0.43568	0.80796	0.27840	0.43554	7.12982	22.49433	0.81217	0.31691	0.48129	0.81217	0.31679	0.48115
83	5	7.40338	26.52283	0.80796	0.27909	0.43639	0.80796	0.27897	0.43625	7.12982	22.46379	0.81217	0.31734	0.48178	0.81217	0.31722	0.48165
83	6	7.40338	26.46539	0.80796	0.27969	0.43712	0.80796	0.27957	0.43698	7.12982	22.43176	0.81217	0.31779	0.48230	0.81217	0.31766	0.48216
83	7	7.40338	26.40551	0.80796	0.28032	0.43789	0.80796	0.28020	0.43774	7.12982	22.39806	0.81217	0.31826	0.48285	0.81217	0.31813	0.48270
83	8	7.40338	26.34335	0.80796	0.28098	0.43870	0.80796	0.28085	0.43853	7.12982	22.36278	0.81217	0.31876	0.48342	0.81217	0.31862	0.48326
83	9	7.40338	26.27867	0.80796	0.28167	0.43953	0.80796	0.28152	0.43935	7.12982	22.32575	0.81217	0.31928	0.48402	0.81217	0.31913	0.48385
83	10	7.40338	26.21121	0.80796	0.28239	0.44041	0.80796	0.28222	0.44021	7.12982	22.28674	0.81217	0.31983	0.48466	0.81217	0.31966	0.48446
83	11	7.40338	26.14141	0.80796	0.28313	0.44132	0.80796	0.28295	0.44110	7.12982	22.24611	0.81217	0.32041	0.48532	0.81217	0.32022	0.48510
83	12	7.40338	26.06892	0.80796	0.28391	0.44226	0.80796	0.28372	0.44202	7.12982	22.20360	0.81217	0.32101	0.48601	0.81217	0.32081	0.48577
83	13	7.40338	25.99388	0.80796	0.28473	0.44325	0.80796	0.28451	0.44298	7.12982	22.15929	0.81217	0.32164	0.48673	0.81217	0.32142	0.48647
83	14	7.40338	25.91617	0.80796	0.28557	0.44427	0.80796	0.28533	0.44398	7.12982	22.11310	0.81217	0.32231	0.48749	0.81217	0.32206	0.48720
83	15	7.40338	25.83587	0.80796	0.28645	0.44533	0.80796	0.28619	0.44502	7.12982	22.06509	0.81217	0.32300	0.48828	0.81217	0.32272	0.48797
83	16	7.40338	25.75319	0.80796	0.28736	0.44643	0.80796	0.28708	0.44610	7.12982	22.01544	0.81217	0.32372	0.48910	0.81217	0.32342	0.48877
83	17	7.40338	25.66857	0.80796	0.28830	0.44757	0.80796	0.28801	0.44722	7.12982	21.96453	0.81217	0.32446	0.48995	0.81217	0.32416	0.48960
83	18	7.40338	25.58235	0.80796	0.28928	0.44874	0.80796	0.28899	0.44839	7.12982	21.91267	0.81217	0.32523	0.49083	0.81217	0.32493	0.49048
83	19	7.40338	25.49361	0.80796	0.29029	0.44996	0.80796	0.29001	0.44962	7.12982	21.85907	0.81217	0.32603	0.49174	0.81217	0.32574	0.49141
83	20	7.40338	25.40164	0.80796	0.29134	0.45123	0.80796	0.29108	0.45091	7.12982	21.80312	0.81217	0.32688	0.49270	0.81217	0.32660	0.49239
83	21	7.40338	25.30562	0.80796	0.29245	0.45256	0.80796	0.29220	0.45225	7.12982	21.74411	0.81217	0.32777	0.49371	0.81217	0.32751	0.49342
83	22	7.40338	25.20517	0.80796	0.29362	0.45395	0.80796	0.29338	0.45366	7.12982	21.68171	0.81217	0.32872	0.49479	0.81217	0.32846	0.49450
83	23	7.40338	25.09967	0.80796	0.29486	0.45543	0.80796	0.29461	0.45513	7.12982	21.61537	0.81217	0.32972	0.49593	0.81217	0.32947	0.49564
83	24	7.40338	24.98936	0.80796	0.29615	0.45697	0.80796	0.29589	0.45666	7.12982	21.54528	0.81217	0.33079	0.49713	0.81217	0.33052	0.49683
83	25	7.40338	24.87419	0.80796	0.29752	0.45859	0.80796	0.29724	0.45826	7.12982	21.47137	0.81217	0.33192	0.49841	0.81217	0.33164	0.49809

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
83	26	7.40338	24.75420	0.80796	0.29895	0.46029	0.80796	0.29865	0.45993	7.12982	21.39367	0.81217	0.33311	0.49975	0.81217	0.33280	0.49940
83	27	7.40338	24.62994	0.80796	0.30044	0.46206	0.80796	0.30012	0.46168	7.12982	21.31262	0.81217	0.33437	0.50116	0.81217	0.33403	0.50078
83	28	7.40338	24.50119	0.80796	0.30201	0.46391	0.80796	0.30165	0.46349	7.12982	21.22804	0.81217	0.33568	0.50264	0.81217	0.33532	0.50223
83	29	7.40338	24.36788	0.80796	0.30365	0.46584	0.80796	0.30326	0.46539	7.12982	21.13984	0.81217	0.33707	0.50419	0.81217	0.33667	0.50375
83	30	7.40338	24.23009	0.80796	0.30536	0.46786	0.80796	0.30495	0.46737	7.12982	21.04806	0.81217	0.33852	0.50581	0.81217	0.33810	0.50534
83	31	7.40338	24.08752	0.80796	0.30716	0.46996	0.80796	0.30671	0.46944	7.12982	20.95246	0.81217	0.34005	0.50752	0.81217	0.33959	0.50701
83	32	7.40338	23.94006	0.80796	0.30903	0.47216	0.80796	0.30856	0.47160	7.12982	20.85289	0.81217	0.34166	0.50931	0.81217	0.34117	0.50877
83	33	7.40338	23.78740	0.80796	0.31100	0.47445	0.80796	0.31049	0.47386	7.12982	20.74907	0.81217	0.34335	0.51118	0.81217	0.34283	0.51061
83	34	7.40338	23.62942	0.80796	0.31307	0.47685	0.80796	0.31253	0.47622	7.12982	20.64088	0.81217	0.34513	0.51316	0.81217	0.34458	0.51255
83	35	7.40338	23.46579	0.80796	0.31523	0.47936	0.80796	0.31466	0.47869	7.12982	20.52800	0.81217	0.34701	0.51523	0.81217	0.34642	0.51458
83	36	7.40338	23.29632	0.80796	0.31751	0.48198	0.80796	0.31689	0.48127	7.12982	20.41023	0.81217	0.34899	0.51741	0.81217	0.34837	0.51672
83	37	7.40338	23.12089	0.80796	0.31990	0.48473	0.80796	0.31924	0.48398	7.12982	20.28745	0.81217	0.35108	0.51970	0.81217	0.35042	0.51897
83	38	7.40338	22.93911	0.80796	0.32241	0.48761	0.80796	0.32171	0.48680	7.12982	20.15926	0.81217	0.35329	0.52212	0.81217	0.35258	0.52134
83	39	7.40338	22.75087	0.80796	0.32505	0.49062	0.80796	0.32430	0.48976	7.12982	20.02555	0.81217	0.35562	0.52466	0.81217	0.35486	0.52383
83	40	7.40338	22.55572	0.80796	0.32783	0.49378	0.80796	0.32702	0.49286	7.12982	19.88587	0.81217	0.35808	0.52733	0.81217	0.35726	0.52644
83	41	7.40338	22.35340	0.80796	0.33076	0.49710	0.80796	0.32988	0.49610	7.12982	19.73995	0.81217	0.36069	0.53015	0.81217	0.35980	0.52919
83	42	7.40338	22.14385	0.80796	0.33385	0.50058	0.80796	0.33288	0.49949	7.12982	19.58769	0.81217	0.36344	0.53312	0.81217	0.36247	0.53208
83	43	7.40338	21.92669	0.80796	0.33710	0.50423	0.80796	0.33604	0.50303	7.12982	19.42870	0.81217	0.36636	0.53625	0.81217	0.36529	0.53511
83	44	7.40338	21.70178	0.80796	0.34053	0.50806	0.80796	0.33935	0.50674	7.12982	19.26280	0.81217	0.36944	0.53955	0.81217	0.36826	0.53829
83	45	7.40338	21.46876	0.80796	0.34415	0.51207	0.80796	0.34284	0.51062	7.12982	19.08963	0.81217	0.37271	0.54303	0.81217	0.37140	0.54163
83	46	7.40338	21.22763	0.80796	0.34797	0.51629	0.80796	0.34650	0.51466	7.12982	18.90911	0.81217	0.37617	0.54669	0.81217	0.37470	0.54514
83	47	7.40338	20.97813	0.80796	0.35201	0.52072	0.80796	0.35034	0.51890	7.12982	18.72094	0.81217	0.37983	0.55055	0.81217	0.37818	0.54881
83	48	7.40338	20.72003	0.80796	0.35626	0.52536	0.80796	0.35438	0.52331	7.12982	18.52488	0.81217	0.38371	0.55462	0.81217	0.38185	0.55266
83	49	7.40338	20.45326	0.80796	0.36076	0.53024	0.80796	0.35863	0.52793	7.12982	18.32076	0.81217	0.38783	0.55890	0.81217	0.38571	0.55670
83	50	7.40338	20.17742	0.80796	0.36552	0.53535	0.80796	0.36309	0.53274	7.12982	18.10816	0.81217	0.39218	0.56341	0.81217	0.38978	0.56092
83	51	7.40338	19.89339	0.80796	0.37053	0.54071	0.80796	0.36777	0.53777	7.12982	17.88781	0.81217	0.39679	0.56814	0.81217	0.39406	0.56534
83	52	7.40338	19.60122	0.80796	0.37582	0.54632	0.80796	0.37270	0.54301	7.12982	17.65967	0.81217	0.40166	0.57312	0.81217	0.39857	0.56997
83	53	7.40338	19.30125	0.80796	0.38140	0.55219	0.80796	0.37787	0.54849	7.12982	17.42398	0.81217	0.40681	0.57834	0.81217	0.40333	0.57481
83	54	7.40338	18.99375	0.80796	0.38728	0.55833	0.80796	0.38332	0.55420	7.12982	17.18091	0.81217	0.41224	0.58381	0.81217	0.40834	0.57989
83	55	7.40338	18.67912	0.80796	0.39347	0.56474	0.80796	0.38905	0.56017	7.12982	16.93076	0.81217	0.41798	0.58955	0.81217	0.41362	0.58520
83	56	7.40338	18.35803	0.80796	0.40000	0.57143	0.80796	0.39509	0.56640	7.12982	16.67407	0.81217	0.42404	0.59554	0.81217	0.41921	0.59076
83	57	7.40338	18.02853	0.80796	0.40690	0.57844	0.80796	0.40145	0.57291	7.12982	16.40902	0.81217	0.43046	0.60185	0.81217	0.42510	0.59659
83	58	7.40338	17.69065	0.80796	0.41421	0.58578	0.80796	0.40815	0.57970	7.12982	16.13552	0.81217	0.43726	0.60846	0.81217	0.43132	0.60269
83	59	7.40338	17.34441	0.80796	0.42194	0.59347	0.80796	0.41522	0.58680	7.12982	15.85354	0.81217	0.44447	0.61541	0.81217	0.43790	0.60908
83	60	7.40338	16.98967	0.80796	0.43013	0.60153	0.80796	0.42267	0.59420	7.12982	15.56284	0.81217	0.45212	0.62271	0.81217	0.44484	0.61577
83	61	7.40338	16.62627	0.80796	0.43881	0.60996	0.80796	0.43053	0.60192	7.12982	15.26320	0.81217	0.46024	0.63037	0.81217	0.45217	0.62276
83	62	7.40338	16.25423	0.80796	0.44801	0.61879	0.80796	0.43880	0.60996	7.12982	14.95454	0.81217	0.46887	0.63840	0.81217	0.45991	0.63006
83	63	7.40338	15.87341	0.80796	0.45776	0.62803	0.80796	0.44752	0.61833	7.12982	14.63664	0.81217	0.47802	0.64684	0.81217	0.46808	0.63768
83	64	7.40338	15.48353	0.80796	0.46810	0.63770	0.80796	0.45669	0.62703	7.12982	14.30913	0.81217	0.48774	0.65568	0.81217	0.47669	0.64562
83	65	7.40338	15.08480	0.80796	0.47907	0.64780	0.80796	0.46634	0.63606	7.12982	13.97213	0.81217	0.49807	0.66495	0.81217	0.48575	0.65388
83	66	7.40338	14.67724	0.80796	0.49070	0.65835	0.80796	0.47646	0.64541	7.12982	13.62552	0.81217	0.50902	0.67464	0.81217	0.49528	0.66246

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
83	67	7.40338	14.26104	0.80796	0.50301	0.66934	0.80796	0.48709	0.65509	7.12982	13.26940	0.81217	0.52064	0.68477	0.81217	0.50530	0.67136
83	68	7.40338	13.83657	0.80796	0.51604	0.68078	0.80796	0.49821	0.66507	7.12982	12.90401	0.81217	0.53295	0.69533	0.81217	0.51579	0.68056
83	69	7.40338	13.40435	0.80796	0.52981	0.69265	0.80796	0.50984	0.67535	7.12982	12.52973	0.81217	0.54596	0.70631	0.81217	0.52678	0.69005
83	70	7.40338	12.96501	0.80796	0.54432	0.70493	0.80796	0.52196	0.68591	7.12982	12.14706	0.81217	0.55970	0.71770	0.81217	0.53826	0.69983
83	71	7.40338	12.51927	0.80796	0.55959	0.71761	0.80796	0.53459	0.69672	7.12982	11.75658	0.81217	0.57416	0.72948	0.81217	0.55021	0.70985
83	72	7.40338	12.06792	0.80796	0.57561	0.73065	0.80796	0.54769	0.70775	7.12982	11.35893	0.81217	0.58935	0.74162	0.81217	0.56264	0.72011
83	73	7.40338	11.61185	0.80796	0.59237	0.74401	0.80796	0.56126	0.71898	7.12982	10.95491	0.81217	0.60525	0.75409	0.81217	0.57552	0.73057
83	74	7.40338	11.15217	0.80796	0.60983	0.75763	0.80796	0.57526	0.73037	7.12982	10.54549	0.81217	0.62183	0.76683	0.81217	0.58883	0.74121
83	75	7.40338	10.68986	0.80796	0.62795	0.77146	0.80796	0.58968	0.74188	7.12982	10.13154	0.81217	0.63906	0.77979	0.81217	0.60254	0.75198
83	76	7.40338	10.22626	0.80796	0.64668	0.78543	0.80796	0.60445	0.75347	7.12982	9.71428	0.81217	0.65687	0.79291	0.81217	0.61661	0.76284
83	77	7.40338	9.76277	0.80796	0.66591	0.79945	0.80796	0.61954	0.76508	7.12982	9.29502	0.81217	0.67519	0.80611	0.81217	0.63099	0.77375
83	78	7.40338	9.30064	0.80796	0.68556	0.81345	0.80796	0.63490	0.77668	7.12982	8.87492	0.81217	0.69392	0.81931	0.81217	0.64565	0.78467
83	79	7.40338	8.84103	0.80796	0.70550	0.82732	0.80796	0.65045	0.78821	7.12982	8.45509	0.81217	0.71296	0.83243	0.81217	0.66050	0.79555
83	80	7.40338	8.38551	0.80796	0.72560	0.84099	0.80796	0.66613	0.79961	7.12982	8.03703	0.81217	0.73218	0.84538	0.81217	0.67550	0.80633
83	81	7.40338	7.93532	0.80796	0.74571	0.85434	0.80796	0.68186	0.81084	7.12982	7.62196	0.81217	0.75143	0.85808	0.81217	0.69056	0.81696
83	82	7.40338	7.49211	0.80796	0.76567	0.86728	0.80796	0.69757	0.82185	7.12982	7.21152	0.81217	0.77056	0.87042	0.81217	0.70562	0.82741
83	83	7.40338	7.05756	0.80796	0.78528	0.87973	0.80796	0.71318	0.83258	7.12982	6.80735	0.81217	0.78941	0.88231	0.81217	0.72059	0.83761
83	84	7.40338	6.63342	0.80796	0.80439	0.89159	0.80796	0.72859	0.84299	7.12982	6.41122	0.81217	0.80780	0.89368	0.81217	0.73540	0.84753
83	85	7.40338	6.22156	0.80796	0.82280	0.90279	0.80796	0.74373	0.85304	7.12982	6.02503	0.81217	0.82556	0.90445	0.81217	0.74996	0.85712
83	86	7.40338	5.82374	0.80796	0.84037	0.91326	0.80796	0.75852	0.86268	7.12982	5.65055	0.81217	0.84255	0.91455	0.81217	0.76420	0.86634
83	87	7.40338	5.44155	0.80796	0.85694	0.92296	0.80796	0.77287	0.87189	7.12982	5.28949	0.81217	0.85861	0.92393	0.81217	0.77803	0.87516
83	88	7.40338	5.07613	0.80796	0.87243	0.93187	0.80796	0.78674	0.88064	7.12982	4.94306	0.81217	0.87366	0.93257	0.81217	0.79141	0.88356
83	89	7.40338	4.72862	0.80796	0.88675	0.93998	0.80796	0.80005	0.88892	7.12982	4.61250	0.81217	0.88761	0.94046	0.81217	0.80427	0.89152
83	90	7.40338	4.40007	0.80796	0.89986	0.94729	0.80796	0.81276	0.89671	7.12982	4.29901	0.81217	0.90041	0.94760	0.81217	0.81657	0.89902
83	91	7.40338	4.09149	0.80796	0.91174	0.95383	0.80796	0.82484	0.90401	7.12982	4.00370	0.81217	0.91205	0.95400	0.81217	0.82827	0.90607
83	92	7.40338	3.80354	0.80796	0.92241	0.95964	0.80796	0.83627	0.91084	7.12982	3.72738	0.81217	0.92252	0.95970	0.81217	0.83935	0.91266
83	93	7.40338	3.53621	0.80796	0.93192	0.96476	0.80796	0.84705	0.91719	7.12982	3.47020	0.81217	0.93188	0.96474	0.81217	0.84980	0.91880
83	94	7.40338	3.28870	0.80796	0.94034	0.96925	0.80796	0.85717	0.92309	7.12982	3.23152	0.81217	0.94019	0.96917	0.81217	0.85964	0.92452
83	95	7.40338	3.05955	0.80796	0.94777	0.97318	0.80796	0.86665	0.92856	7.12982	3.01004	0.81217	0.94754	0.97306	0.81217	0.86885	0.92983
83	96	7.40338	2.84646	0.80796	0.95431	0.97662	0.80796	0.87548	0.93360	7.12982	2.80360	0.81217	0.95403	0.97647	0.81217	0.87745	0.93472
83	97	7.40338	2.65226	0.80796	0.95999	0.97958	0.80796	0.88365	0.93823	7.12982	2.61510	0.81217	0.95967	0.97942	0.81217	0.88542	0.93923
83	98	7.40338	2.47567	0.80796	0.96490	0.98214	0.80796	0.89121	0.94248	7.12982	2.44340	0.81217	0.96456	0.98196	0.81217	0.89279	0.94336
83	99	7.40338	2.31535	0.80796	0.96914	0.98433	0.80796	0.89819	0.94637	7.12982	2.28724	0.81217	0.96880	0.98415	0.81217	0.89961	0.94715
83	100	7.40338	2.16976	0.80796	0.97281	0.98622	0.80796	0.90463	0.94993	7.12982	2.14523	0.81217	0.97247	0.98604	0.81217	0.90590	0.95063
83	101	7.40338	2.03734	0.80796	0.97598	0.98784	0.80796	0.91056	0.95319	7.12982	2.01587	0.81217	0.97564	0.98767	0.81217	0.91171	0.95381
83	102	7.40338	1.91714	0.80796	0.97871	0.98924	0.80796	0.91601	0.95616	7.12982	1.89830	0.81217	0.97839	0.98908	0.81217	0.91704	0.95672
83	103	7.40338	1.80800	0.80796	0.98107	0.99045	0.80796	0.92100	0.95887	7.12982	1.79140	0.81217	0.98076	0.99029	0.81217	0.92193	0.95938
83	104	7.40338	1.70943	0.80796	0.98310	0.99148	0.80796	0.92554	0.96133	7.12982	1.69474	0.81217	0.98280	0.99133	0.81217	0.92639	0.96179
83	105	7.40338	1.62048	0.80796	0.98483	0.99236	0.80796	0.92964	0.96354	7.12982	1.60741	0.81217	0.98456	0.99222	0.81217	0.93042	0.96396
83	106	7.40338	1.54080	0.80796	0.98631	0.99311	0.80796	0.93330	0.96550	7.12982	1.52911	0.81217	0.98605	0.99297	0.81217	0.93402	0.96589
83	107	7.40338	1.47009	0.80796	0.98755	0.99373	0.80796	0.93649	0.96720	7.12982	1.45954	0.81217	0.98730	0.99361	0.81217	0.93716	0.96756

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
84	80	6.96909	8.38551	0.79298	0.69704	0.82148	0.79298	0.63878	0.77958	6.72551	8.03703	0.79748	0.70420	0.82643	0.79748	0.64849	0.78677
84	81	6.96909	7.93532	0.79298	0.71791	0.83579	0.79298	0.65491	0.79147	6.72551	7.62196	0.79748	0.72420	0.84004	0.79748	0.66396	0.79805
84	82	6.96909	7.49211	0.79298	0.73878	0.84977	0.79298	0.67109	0.80318	6.72551	7.21152	0.79748	0.74424	0.85337	0.79748	0.67950	0.80917
84	83	6.96909	7.05756	0.79298	0.75946	0.86329	0.79298	0.68725	0.81464	6.72551	6.80735	0.79748	0.76413	0.86630	0.79748	0.69503	0.82008
84	84	6.96909	6.63342	0.79298	0.77978	0.87627	0.79298	0.70330	0.82581	6.72551	6.41122	0.79748	0.78370	0.87873	0.79748	0.71047	0.83073
84	85	6.96909	6.22156	0.79298	0.79953	0.88860	0.79298	0.71914	0.83663	6.72551	6.02503	0.79748	0.80276	0.89059	0.79748	0.72573	0.84107
84	86	6.96909	5.82374	0.79298	0.81853	0.90021	0.79298	0.73469	0.84706	6.72551	5.65055	0.79748	0.82113	0.90178	0.79748	0.74072	0.85105
84	87	6.96909	5.44155	0.79298	0.83660	0.91103	0.79298	0.74986	0.85705	6.72551	5.28949	0.79748	0.83864	0.91224	0.79748	0.75537	0.86064
84	88	6.96909	5.07613	0.79298	0.85363	0.92103	0.79298	0.76459	0.86659	6.72551	4.94306	0.79748	0.85518	0.92194	0.79748	0.76959	0.86980
84	89	6.96909	4.72862	0.79298	0.86949	0.93019	0.79298	0.77879	0.87564	6.72551	4.61250	0.79748	0.87063	0.93084	0.79748	0.78333	0.87850
84	90	6.96909	4.40007	0.79298	0.88412	0.93850	0.79298	0.79241	0.88419	6.72551	4.29901	0.79748	0.88490	0.93894	0.79748	0.79652	0.88673
84	91	6.96909	4.09149	0.79298	0.89747	0.94597	0.79298	0.80541	0.89222	6.72551	4.00370	0.79748	0.89796	0.94624	0.79748	0.80912	0.89449
84	92	6.96909	3.80354	0.79298	0.90954	0.95263	0.79298	0.81777	0.89975	6.72551	3.72738	0.79748	0.90980	0.95277	0.79748	0.82110	0.90176
84	93	6.96909	3.53621	0.79298	0.92035	0.95853	0.79298	0.82945	0.90678	6.72551	3.47020	0.79748	0.92043	0.95857	0.79748	0.83245	0.90857
84	94	6.96909	3.28870	0.79298	0.92999	0.96372	0.79298	0.84047	0.91332	6.72551	3.23152	0.79748	0.92992	0.96369	0.79748	0.84316	0.91491
84	95	6.96909	3.05955	0.79298	0.93853	0.96829	0.79298	0.85082	0.91940	6.72551	3.01004	0.79748	0.93836	0.96820	0.79748	0.85324	0.92081
84	96	6.96909	2.84646	0.79298	0.94609	0.97230	0.79298	0.86049	0.92502	6.72551	2.80360	0.79748	0.94585	0.97217	0.79748	0.86266	0.92627
84	97	6.96909	2.65226	0.79298	0.95268	0.97577	0.79298	0.86948	0.93018	6.72551	2.61510	0.79748	0.95238	0.97561	0.79748	0.87142	0.93129
84	98	6.96909	2.47567	0.79298	0.95840	0.97876	0.79298	0.87781	0.93493	6.72551	2.44340	0.79748	0.95808	0.97859	0.79748	0.87955	0.93592
84	99	6.96909	2.31535	0.79298	0.96336	0.98134	0.79298	0.88551	0.93928	6.72551	2.28724	0.79748	0.96302	0.98116	0.79748	0.88708	0.94016
84	100	6.96909	2.16976	0.79298	0.96766	0.98356	0.79298	0.89264	0.94328	6.72551	2.14523	0.79748	0.96731	0.98338	0.79748	0.89405	0.94406
84	101	6.96909	2.03734	0.79298	0.97138	0.98548	0.79298	0.89922	0.94694	6.72551	2.01587	0.79748	0.97104	0.98531	0.79748	0.90049	0.94764
84	102	6.96909	1.91714	0.79298	0.97460	0.98714	0.79298	0.90528	0.95028	6.72551	1.89830	0.79748	0.97427	0.98697	0.79748	0.90643	0.95092
84	103	6.96909	1.80800	0.79298	0.97739	0.98857	0.79298	0.91083	0.95334	6.72551	1.79140	0.79748	0.97707	0.98840	0.79748	0.91188	0.95391
84	104	6.96909	1.70943	0.79298	0.97979	0.98979	0.79298	0.91590	0.95610	6.72551	1.69474	0.79748	0.97948	0.98963	0.79748	0.91685	0.95662
84	105	6.96909	1.62048	0.79298	0.98185	0.99084	0.79298	0.92049	0.95860	6.72551	1.60741	0.79748	0.98155	0.99069	0.79748	0.92136	0.95907
84	106	6.96909	1.54080	0.79298	0.98360	0.99173	0.79298	0.92459	0.96082	6.72551	1.52911	0.79748	0.98332	0.99159	0.79748	0.92539	0.96125
84	107	6.96909	1.47009	0.79298	0.98507	0.99248	0.79298	0.92816	0.96274	6.72551	1.45954	0.79748	0.98481	0.99235	0.79748	0.92891	0.96315
84	108	6.96909	1.40861	0.79298	0.98627	0.99309	0.79298	0.93115	0.96435	6.72551	1.39898	0.79748	0.98602	0.99296	0.79748	0.93186	0.96473
84	109	6.96909	1.35764	0.79298	0.98720	0.99356	0.79298	0.93345	0.96558	6.72551	1.34871	0.79748	0.98696	0.99344	0.79748	0.93413	0.96594
84	110	6.96909	1.32125	0.79298	0.98783	0.99388	0.79298	0.93500	0.96641	6.72551	1.31279	0.79748	0.98760	0.99376	0.79748	0.93566	0.96676
85	1	6.54613	26.72925	0.77817	0.24487	0.39341	0.77817	0.24477	0.39328	6.33013	22.57586	0.78296	0.28035	0.43793	0.78296	0.28024	0.43779
85	2	6.54613	26.68154	0.77817	0.24531	0.39398	0.77817	0.24522	0.39386	6.33013	22.55058	0.78296	0.28067	0.43832	0.78296	0.28057	0.43819
85	3	6.54613	26.63112	0.77817	0.24578	0.39458	0.77817	0.24569	0.39446	6.33013	22.52338	0.78296	0.28101	0.43873	0.78296	0.28091	0.43862
85	4	6.54613	26.57806	0.77817	0.24627	0.39521	0.77817	0.24618	0.39509	6.33013	22.49433	0.78296	0.28137	0.43917	0.78296	0.28128	0.43906
85	5	6.54613	26.52283	0.77817	0.24678	0.39587	0.77817	0.24669	0.39575	6.33013	22.46379	0.78296	0.28175	0.43964	0.78296	0.28166	0.43952
85	6	6.54613	26.46539	0.77817	0.24732	0.39656	0.77817	0.24722	0.39643	6.33013	22.43176	0.78296	0.28216	0.44013	0.78296	0.28205	0.44000
85	7	6.54613	26.40551	0.77817	0.24787	0.39727	0.77817	0.24777	0.39715	6.33013	22.39806	0.78296	0.28258	0.44064	0.78296	0.28247	0.44051
85	8	6.54613	26.34335	0.77817	0.24846	0.39802	0.77817	0.24835	0.39788	6.33013	22.36278	0.78296	0.28302	0.44118	0.78296	0.28291	0.44104
85	9	6.54613	26.27867	0.77817	0.24907	0.39880	0.77817	0.24895	0.39865	6.33013	22.32575	0.78296	0.28349	0.44174	0.78296	0.28336	0.44159
85	10	6.54613	26.21121	0.77817	0.24970	0.39962	0.77817	0.24957	0.39945	6.33013	22.28674	0.78296	0.28398	0.44234	0.78296	0.28384	0.44217

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
85	11	6.54613	26.14141	0.77817	0.25036	0.40047	0.77817	0.25022	0.40028	6.33013	22.24611	0.78296	0.28449	0.44296	0.78296	0.28434	0.44278
85	12	6.54613	26.06892	0.77817	0.25105	0.40135	0.77817	0.25089	0.40114	6.33013	22.20360	0.78296	0.28503	0.44361	0.78296	0.28486	0.44341
85	13	6.54613	25.99388	0.77817	0.25177	0.40227	0.77817	0.25159	0.40204	6.33013	22.15929	0.78296	0.28559	0.44429	0.78296	0.28540	0.44407
85	14	6.54613	25.91617	0.77817	0.25252	0.40322	0.77817	0.25232	0.40297	6.33013	22.11310	0.78296	0.28618	0.44500	0.78296	0.28597	0.44475
85	15	6.54613	25.83587	0.77817	0.25330	0.40421	0.77817	0.25308	0.40393	6.33013	22.06509	0.78296	0.28679	0.44575	0.78296	0.28656	0.44547
85	16	6.54613	25.75319	0.77817	0.25411	0.40524	0.77817	0.25387	0.40494	6.33013	22.01544	0.78296	0.28743	0.44652	0.78296	0.28718	0.44622
85	17	6.54613	25.66857	0.77817	0.25494	0.40630	0.77817	0.25470	0.40599	6.33013	21.96453	0.78296	0.28809	0.44732	0.78296	0.28783	0.44700
85	18	6.54613	25.58235	0.77817	0.25580	0.40739	0.77817	0.25556	0.40708	6.33013	21.91267	0.78296	0.28878	0.44814	0.78296	0.28852	0.44783
85	19	6.54613	25.49361	0.77817	0.25669	0.40852	0.77817	0.25646	0.40823	6.33013	21.85907	0.78296	0.28949	0.44900	0.78296	0.28924	0.44870
85	20	6.54613	25.40164	0.77817	0.25763	0.40971	0.77817	0.25741	0.40943	6.33013	21.80312	0.78296	0.29024	0.44990	0.78296	0.29000	0.44962
85	21	6.54613	25.30562	0.77817	0.25861	0.41095	0.77817	0.25840	0.41068	6.33013	21.74411	0.78296	0.29103	0.45085	0.78296	0.29081	0.45058
85	22	6.54613	25.20517	0.77817	0.25964	0.41225	0.77817	0.25944	0.41199	6.33013	21.68171	0.78296	0.29187	0.45186	0.78296	0.29166	0.45160
85	23	6.54613	25.09967	0.77817	0.26073	0.41362	0.77817	0.26053	0.41337	6.33013	21.61537	0.78296	0.29277	0.45293	0.78296	0.29255	0.45268
85	24	6.54613	24.98936	0.77817	0.26188	0.41507	0.77817	0.26167	0.41480	6.33013	21.54528	0.78296	0.29372	0.45406	0.78296	0.29350	0.45380
85	25	6.54613	24.87419	0.77817	0.26309	0.41658	0.77817	0.26287	0.41630	6.33013	21.47137	0.78296	0.29472	0.45526	0.78296	0.29449	0.45499
85	26	6.54613	24.75420	0.77817	0.26436	0.41817	0.77817	0.26411	0.41786	6.33013	21.39367	0.78296	0.29578	0.45653	0.78296	0.29553	0.45623
85	27	6.54613	24.62994	0.77817	0.26568	0.41983	0.77817	0.26542	0.41949	6.33013	21.31262	0.78296	0.29690	0.45786	0.78296	0.29662	0.45753
85	28	6.54613	24.50119	0.77817	0.26707	0.42156	0.77817	0.26678	0.42120	6.33013	21.22804	0.78296	0.29807	0.45925	0.78296	0.29777	0.45889
85	29	6.54613	24.36788	0.77817	0.26852	0.42336	0.77817	0.26821	0.42297	6.33013	21.13984	0.78296	0.29930	0.46071	0.78296	0.29898	0.46032
85	30	6.54613	24.23009	0.77817	0.27004	0.42525	0.77817	0.26970	0.42483	6.33013	21.04806	0.78296	0.30060	0.46224	0.78296	0.30024	0.46183
85	31	6.54613	24.08752	0.77817	0.27163	0.42721	0.77817	0.27126	0.42676	6.33013	20.95246	0.78296	0.30196	0.46385	0.78296	0.30158	0.46340
85	32	6.54613	23.94006	0.77817	0.27329	0.42927	0.77817	0.27290	0.42879	6.33013	20.85289	0.78296	0.30339	0.46554	0.78296	0.30298	0.46506
85	33	6.54613	23.78740	0.77817	0.27504	0.43142	0.77817	0.27462	0.43091	6.33013	20.74907	0.78296	0.30489	0.46731	0.78296	0.30446	0.46680
85	34	6.54613	23.62942	0.77817	0.27686	0.43366	0.77817	0.27642	0.43312	6.33013	20.64088	0.78296	0.30648	0.46917	0.78296	0.30602	0.46863
85	35	6.54613	23.46579	0.77817	0.27878	0.43601	0.77817	0.27831	0.43544	6.33013	20.52800	0.78296	0.30815	0.47112	0.78296	0.30767	0.47056
85	36	6.54613	23.29632	0.77817	0.28080	0.43847	0.77817	0.28030	0.43787	6.33013	20.41023	0.78296	0.30991	0.47318	0.78296	0.30940	0.47258
85	37	6.54613	23.12089	0.77817	0.28292	0.44105	0.77817	0.28238	0.44041	6.33013	20.28745	0.78296	0.31177	0.47535	0.78296	0.31123	0.47471
85	38	6.54613	22.93911	0.77817	0.28514	0.44375	0.77817	0.28458	0.44307	6.33013	20.15926	0.78296	0.31374	0.47763	0.78296	0.31316	0.47695
85	39	6.54613	22.75087	0.77817	0.28749	0.44659	0.77817	0.28688	0.44585	6.33013	20.02555	0.78296	0.31582	0.48003	0.78296	0.31519	0.47931
85	40	6.54613	22.55572	0.77817	0.28995	0.44956	0.77817	0.28930	0.44877	6.33013	19.88587	0.78296	0.31801	0.48256	0.78296	0.31734	0.48179
85	41	6.54613	22.35340	0.77817	0.29255	0.45268	0.77817	0.29185	0.45183	6.33013	19.73995	0.78296	0.32034	0.48523	0.78296	0.31961	0.48440
85	42	6.54613	22.14385	0.77817	0.29529	0.45595	0.77817	0.29452	0.45503	6.33013	19.58769	0.78296	0.32279	0.48805	0.78296	0.32201	0.48715
85	43	6.54613	21.92669	0.77817	0.29819	0.45939	0.77817	0.29734	0.45838	6.33013	19.42870	0.78296	0.32540	0.49102	0.78296	0.32454	0.49004
85	44	6.54613	21.70178	0.77817	0.30124	0.46300	0.77817	0.30030	0.46189	6.33013	19.26280	0.78296	0.32816	0.49415	0.78296	0.32720	0.49307
85	45	6.54613	21.46876	0.77817	0.30446	0.46679	0.77817	0.30341	0.46556	6.33013	19.08963	0.78296	0.33108	0.49746	0.78296	0.33002	0.49626
85	46	6.54613	21.22763	0.77817	0.30786	0.47078	0.77817	0.30668	0.46941	6.33013	18.90911	0.78296	0.33417	0.50094	0.78296	0.33299	0.49961
85	47	6.54613	20.97813	0.77817	0.31145	0.47497	0.77817	0.31013	0.47343	6.33013	18.72094	0.78296	0.33745	0.50462	0.78296	0.33612	0.50313
85	48	6.54613	20.72003	0.77817	0.31524	0.47937	0.77817	0.31374	0.47763	6.33013	18.52488	0.78296	0.34093	0.50850	0.78296	0.33942	0.50682
85	49	6.54613	20.45326	0.77817	0.31925	0.48399	0.77817	0.31755	0.48203	6.33013	18.32076	0.78296	0.34462	0.51259	0.78296	0.34290	0.51069
85	50	6.54613	20.17742	0.77817	0.32350	0.48885	0.77817	0.32155	0.48662	6.33013	18.10816	0.78296	0.34853	0.51690	0.78296	0.34657	0.51475
85	51	6.54613	19.89339	0.77817	0.32798	0.49395	0.77817	0.32575	0.49143	6.33013	17.88781	0.78296	0.35267	0.52144	0.78296	0.35044	0.51900

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
85	52	6.54613	19.60122	0.77817	0.33271	0.49929	0.77817	0.33018	0.49644	6.33013	17.65967	0.78296	0.35705	0.52621	0.78296	0.35451	0.52346
85	53	6.54613	19.30125	0.77817	0.33770	0.50489	0.77817	0.33483	0.50169	6.33013	17.42398	0.78296	0.36168	0.53122	0.78296	0.35881	0.52813
85	54	6.54613	18.99375	0.77817	0.34296	0.51075	0.77817	0.33973	0.50717	6.33013	17.18091	0.78296	0.36657	0.53649	0.78296	0.36335	0.53302
85	55	6.54613	18.67912	0.77817	0.34852	0.51689	0.77817	0.34490	0.51290	6.33013	16.93076	0.78296	0.37175	0.54201	0.78296	0.36814	0.53816
85	56	6.54613	18.35803	0.77817	0.35437	0.52330	0.77817	0.35035	0.51890	6.33013	16.67407	0.78296	0.37721	0.54779	0.78296	0.37320	0.54355
85	57	6.54613	18.02853	0.77817	0.36057	0.53003	0.77817	0.35610	0.52518	6.33013	16.40902	0.78296	0.38301	0.55388	0.78296	0.37856	0.54921
85	58	6.54613	17.69065	0.77817	0.36715	0.53710	0.77817	0.36217	0.53175	6.33013	16.13552	0.78296	0.38916	0.56029	0.78296	0.38423	0.55515
85	59	6.54613	17.34441	0.77817	0.37411	0.54452	0.77817	0.36858	0.53864	6.33013	15.85354	0.78296	0.39570	0.56703	0.78296	0.39023	0.56138
85	60	6.54613	16.98967	0.77817	0.38151	0.55231	0.77817	0.37536	0.54584	6.33013	15.56284	0.78296	0.40265	0.57413	0.78296	0.39658	0.56793
85	61	6.54613	16.62627	0.77817	0.38936	0.56049	0.77817	0.38253	0.55337	6.33013	15.26320	0.78296	0.41004	0.58160	0.78296	0.40330	0.57479
85	62	6.54613	16.25423	0.77817	0.39771	0.56909	0.77817	0.39009	0.56125	6.33013	14.95454	0.78296	0.41791	0.58948	0.78296	0.41042	0.58198
85	63	6.54613	15.87341	0.77817	0.40658	0.57811	0.77817	0.39809	0.56948	6.33013	14.63664	0.78296	0.42629	0.59776	0.78296	0.41795	0.58952
85	64	6.54613	15.48353	0.77817	0.41602	0.58760	0.77817	0.40654	0.57807	6.33013	14.30913	0.78296	0.43522	0.60649	0.78296	0.42592	0.59740
85	65	6.54613	15.08480	0.77817	0.42608	0.59755	0.77817	0.41546	0.58703	6.33013	13.97213	0.78296	0.44474	0.61566	0.78296	0.43435	0.60564
85	66	6.54613	14.67724	0.77817	0.43677	0.60799	0.77817	0.42487	0.59636	6.33013	13.62552	0.78296	0.45488	0.62532	0.78296	0.44325	0.61424
85	67	6.54613	14.26104	0.77817	0.44816	0.61894	0.77817	0.43478	0.60606	6.33013	13.26940	0.78296	0.46569	0.63545	0.78296	0.45265	0.62320
85	68	6.54613	13.83657	0.77817	0.46027	0.63039	0.77817	0.44522	0.61612	6.33013	12.90401	0.78296	0.47719	0.64608	0.78296	0.46255	0.63252
85	69	6.54613	13.40435	0.77817	0.47313	0.64235	0.77817	0.45618	0.62655	6.33013	12.52973	0.78296	0.48943	0.65720	0.78296	0.47297	0.64220
85	70	6.54613	12.96501	0.77817	0.48679	0.65482	0.77817	0.46769	0.63731	6.33013	12.14706	0.78296	0.50243	0.66882	0.78296	0.48391	0.65221
85	71	6.54613	12.51927	0.77817	0.50126	0.66779	0.77817	0.47974	0.64842	6.33013	11.75658	0.78296	0.51621	0.68092	0.78296	0.49539	0.66256
85	72	6.54613	12.06792	0.77817	0.51656	0.68123	0.77817	0.49235	0.65983	6.33013	11.35893	0.78296	0.53080	0.69350	0.78296	0.50740	0.67321
85	73	6.54613	11.61185	0.77817	0.53271	0.69512	0.77817	0.50549	0.67153	6.33013	10.95491	0.78296	0.54621	0.70652	0.78296	0.51994	0.68416
85	74	6.54613	11.15217	0.77817	0.54970	0.70943	0.77817	0.51917	0.68349	6.33013	10.54549	0.78296	0.56243	0.71995	0.78296	0.53300	0.69537
85	75	6.54613	10.68986	0.77817	0.56753	0.72410	0.77817	0.53336	0.69567	6.33013	10.13154	0.78296	0.57946	0.73375	0.78296	0.54656	0.70681
85	76	6.54613	10.22626	0.77817	0.58615	0.73908	0.77817	0.54803	0.70804	6.33013	9.71428	0.78296	0.59726	0.74786	0.78296	0.56060	0.71845
85	77	6.54613	9.76277	0.77817	0.60551	0.75429	0.77817	0.56316	0.72054	6.33013	9.29502	0.78296	0.61579	0.76222	0.78296	0.57509	0.73023
85	78	6.54613	9.30064	0.77817	0.62555	0.76965	0.77817	0.57869	0.73313	6.33013	8.87492	0.78296	0.63498	0.77674	0.78296	0.58998	0.74212
85	79	6.54613	8.84103	0.77817	0.64619	0.78507	0.77817	0.59459	0.74576	6.33013	8.45509	0.78296	0.65475	0.79136	0.78296	0.60523	0.75407
85	80	6.54613	8.38551	0.77817	0.66729	0.80045	0.77817	0.61077	0.75836	6.33013	8.03703	0.78296	0.67500	0.80597	0.78296	0.62077	0.76602
85	81	6.54613	7.93532	0.77817	0.68874	0.81568	0.77817	0.62718	0.77088	6.33013	7.62196	0.78296	0.69559	0.82047	0.78296	0.63654	0.77791
85	82	6.54613	7.49211	0.77817	0.71036	0.83065	0.77817	0.64374	0.78326	6.33013	7.21152	0.78296	0.71637	0.83475	0.78296	0.65247	0.78969
85	83	6.54613	7.05756	0.77817	0.73197	0.84525	0.77817	0.66036	0.79544	6.33013	6.80735	0.78296	0.73718	0.84871	0.78296	0.66847	0.80129
85	84	6.54613	6.63342	0.77817	0.75337	0.85934	0.77817	0.67695	0.80736	6.33013	6.41122	0.78296	0.75781	0.86222	0.78296	0.68445	0.81267
85	85	6.54613	6.22156	0.77817	0.77436	0.87283	0.77817	0.69341	0.81895	6.33013	6.02503	0.78296	0.77808	0.87519	0.78296	0.70034	0.82376
85	86	6.54613	5.82374	0.77817	0.79472	0.88562	0.77817	0.70965	0.83017	6.33013	5.65055	0.78296	0.79777	0.88751	0.78296	0.71602	0.83451
85	87	6.54613	5.44155	0.77817	0.81426	0.89762	0.77817	0.72558	0.84097	6.33013	5.28949	0.78296	0.81670	0.89911	0.78296	0.73141	0.84487
85	88	6.54613	5.07613	0.77817	0.83281	0.90878	0.77817	0.74112	0.85131	6.33013	4.94306	0.78296	0.83472	0.90992	0.78296	0.74644	0.85481
85	89	6.54613	4.72862	0.77817	0.85025	0.91906	0.77817	0.75617	0.86116	6.33013	4.61250	0.78296	0.85169	0.91990	0.78296	0.76102	0.86429
85	90	6.54613	4.40007	0.77817	0.86645	0.92844	0.77817	0.77068	0.87049	6.33013	4.29901	0.78296	0.86749	0.92904	0.78296	0.77508	0.87329
85	91	6.54613	4.09149	0.77817	0.88134	0.93693	0.77817	0.78459	0.87929	6.33013	4.00370	0.78296	0.88205	0.93733	0.78296	0.78857	0.88179
85	92	6.54613	3.80354	0.77817	0.89489	0.94453	0.77817	0.79785	0.88756	6.33013	3.72738	0.78296	0.89533	0.94477	0.78296	0.80145	0.88979

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
85	93	6.54613	3.53621	0.77817	0.90712	0.95130	0.77817	0.81046	0.89531	6.33013	3.47020	0.78296	0.90734	0.95142	0.78296	0.81370	0.89728
85	94	6.54613	3.28870	0.77817	0.91808	0.95729	0.77817	0.82238	0.90254	6.33013	3.23152	0.78296	0.91812	0.95731	0.78296	0.82531	0.90430
85	95	6.54613	3.05955	0.77817	0.92785	0.96258	0.77817	0.83363	0.90927	6.33013	3.01004	0.78296	0.92776	0.96253	0.78296	0.83626	0.91083
85	96	6.54613	2.84646	0.77817	0.93654	0.96723	0.77817	0.84417	0.91550	6.33013	2.80360	0.78296	0.93636	0.96713	0.78296	0.84654	0.91689
85	97	6.54613	2.65226	0.77817	0.94415	0.97127	0.77817	0.85400	0.92125	6.33013	2.61510	0.78296	0.94390	0.97114	0.78296	0.85613	0.92249
85	98	6.54613	2.47567	0.77817	0.95078	0.97477	0.77817	0.86313	0.92654	6.33013	2.44340	0.78296	0.95049	0.97462	0.78296	0.86505	0.92764
85	99	6.54613	2.31535	0.77817	0.95656	0.97780	0.77817	0.87161	0.93140	6.33013	2.28724	0.78296	0.95623	0.97763	0.78296	0.87333	0.93238
85	100	6.54613	2.16976	0.77817	0.96158	0.98041	0.77817	0.87946	0.93587	6.33013	2.14523	0.78296	0.96124	0.98024	0.78296	0.88102	0.93675
85	101	6.54613	2.03734	0.77817	0.96595	0.98268	0.77817	0.88673	0.93997	6.33013	2.01587	0.78296	0.96560	0.98250	0.78296	0.88814	0.94075
85	102	6.54613	1.91714	0.77817	0.96974	0.98464	0.77817	0.89344	0.94372	6.33013	1.89830	0.78296	0.96939	0.98446	0.78296	0.89471	0.94443
85	103	6.54613	1.80800	0.77817	0.97302	0.98633	0.77817	0.89960	0.94715	6.33013	1.79140	0.78296	0.97268	0.98615	0.78296	0.90076	0.94779
85	104	6.54613	1.70943	0.77817	0.97585	0.98778	0.77817	0.90524	0.95026	6.33013	1.69474	0.78296	0.97553	0.98761	0.78296	0.90629	0.95084
85	105	6.54613	1.62048	0.77817	0.97829	0.98903	0.77817	0.91035	0.95307	6.33013	1.60741	0.78296	0.97798	0.98887	0.78296	0.91132	0.95360
85	106	6.54613	1.54080	0.77817	0.98037	0.99009	0.77817	0.91492	0.95557	6.33013	1.52911	0.78296	0.98007	0.98993	0.78296	0.91582	0.95606
85	107	6.54613	1.47009	0.77817	0.98212	0.99098	0.77817	0.91892	0.95775	6.33013	1.45954	0.78296	0.98183	0.99083	0.78296	0.91975	0.95820
85	108	6.54613	1.40861	0.77817	0.98355	0.99171	0.77817	0.92226	0.95956	6.33013	1.39898	0.78296	0.98328	0.99157	0.78296	0.92305	0.95999
85	109	6.54613	1.35764	0.77817	0.98465	0.99227	0.77817	0.92484	0.96095	6.33013	1.34871	0.78296	0.98440	0.99214	0.78296	0.92560	0.96136
85	110	6.54613	1.32125	0.77817	0.98540	0.99264	0.77817	0.92658	0.96189	6.33013	1.31279	0.78296	0.98515	0.99252	0.78296	0.92732	0.96229
86	1	6.13614	26.72925	0.76366	0.22954	0.37337	0.76366	0.22945	0.37325	5.94536	22.57586	0.76793	0.26331	0.41686	0.76793	0.26321	0.41674
86	2	6.13614	26.68154	0.76366	0.22995	0.37392	0.76366	0.22987	0.37381	5.94536	22.55058	0.76793	0.26361	0.41724	0.76793	0.26352	0.41712
86	3	6.13614	26.63112	0.76366	0.23039	0.37450	0.76366	0.23031	0.37439	5.94536	22.52338	0.76793	0.26393	0.41764	0.76793	0.26385	0.41753
86	4	6.13614	26.57806	0.76366	0.23085	0.37510	0.76366	0.23077	0.37500	5.94536	22.49433	0.76793	0.26427	0.41806	0.76793	0.26419	0.41796
86	5	6.13614	26.52283	0.76366	0.23133	0.37574	0.76366	0.23125	0.37563	5.94536	22.46379	0.76793	0.26463	0.41851	0.76793	0.26454	0.41840
86	6	6.13614	26.46539	0.76366	0.23183	0.37640	0.76366	0.23174	0.37629	5.94536	22.43176	0.76793	0.26501	0.41898	0.76793	0.26492	0.41887
86	7	6.13614	26.40551	0.76366	0.23235	0.37709	0.76366	0.23226	0.37697	5.94536	22.39806	0.76793	0.26541	0.41948	0.76793	0.26531	0.41936
86	8	6.13614	26.34335	0.76366	0.23290	0.37781	0.76366	0.23280	0.37768	5.94536	22.36278	0.76793	0.26582	0.42000	0.76793	0.26572	0.41987
86	9	6.13614	26.27867	0.76366	0.23347	0.37856	0.76366	0.23337	0.37842	5.94536	22.32575	0.76793	0.26626	0.42055	0.76793	0.26615	0.42041
86	10	6.13614	26.21121	0.76366	0.23407	0.37934	0.76366	0.23395	0.37919	5.94536	22.28674	0.76793	0.26672	0.42112	0.76793	0.26660	0.42097
86	11	6.13614	26.14141	0.76366	0.23469	0.38016	0.76366	0.23456	0.37999	5.94536	22.24611	0.76793	0.26720	0.42172	0.76793	0.26707	0.42155
86	12	6.13614	26.06892	0.76366	0.23534	0.38101	0.76366	0.23519	0.38082	5.94536	22.20360	0.76793	0.26771	0.42235	0.76793	0.26756	0.42216
86	13	6.13614	25.99388	0.76366	0.23601	0.38189	0.76366	0.23585	0.38168	5.94536	22.15929	0.76793	0.26824	0.42301	0.76793	0.26807	0.42280
86	14	6.13614	25.91617	0.76366	0.23671	0.38281	0.76366	0.23653	0.38258	5.94536	22.11310	0.76793	0.26879	0.42370	0.76793	0.26860	0.42346
86	15	6.13614	25.83587	0.76366	0.23744	0.38376	0.76366	0.23725	0.38351	5.94536	22.06509	0.76793	0.26937	0.42441	0.76793	0.26916	0.42415
86	16	6.13614	25.75319	0.76366	0.23820	0.38475	0.76366	0.23799	0.38447	5.94536	22.01544	0.76793	0.26997	0.42516	0.76793	0.26974	0.42488
86	17	6.13614	25.66857	0.76366	0.23898	0.38577	0.76366	0.23876	0.38548	5.94536	21.96453	0.76793	0.27059	0.42593	0.76793	0.27035	0.42564
86	18	6.13614	25.58235	0.76366	0.23979	0.38682	0.76366	0.23957	0.38653	5.94536	21.91267	0.76793	0.27123	0.42672	0.76793	0.27100	0.42643
86	19	6.13614	25.49361	0.76366	0.24063	0.38791	0.76366	0.24041	0.38763	5.94536	21.85907	0.76793	0.27190	0.42755	0.76793	0.27168	0.42727
86	20	6.13614	25.40164	0.76366	0.24150	0.38905	0.76366	0.24130	0.38879	5.94536	21.80312	0.76793	0.27260	0.42842	0.76793	0.27239	0.42816
86	21	6.13614	25.30562	0.76366	0.24242	0.39024	0.76366	0.24223	0.38999	5.94536	21.74411	0.76793	0.27335	0.42934	0.76793	0.27315	0.42909
86	22	6.13614	25.20517	0.76366	0.24339	0.39149	0.76366	0.24321	0.39126	5.94536	21.68171	0.76793	0.27414	0.43031	0.76793	0.27395	0.43008
86	23	6.13614	25.09967	0.76366	0.24441	0.39282	0.76366	0.24423	0.39258	5.94536	21.61537	0.76793	0.27498	0.43135	0.76793	0.27479	0.43111

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
86	24	6.13614	24.98936	0.76366	0.24549	0.39421	0.76366	0.24530	0.39396	5.94536	21.54528	0.76793	0.27587	0.43245	0.76793	0.27568	0.43220				
86	25	6.13614	24.87419	0.76366	0.24662	0.39566	0.76366	0.24642	0.39541	5.94536	21.47137	0.76793	0.27682	0.43360	0.76793	0.27661	0.43335				
86	26	6.13614	24.75420	0.76366	0.24781	0.39719	0.76366	0.24759	0.39691	5.94536	21.39367	0.76793	0.27782	0.43483	0.76793	0.27759	0.43455				
86	27	6.13614	24.62994	0.76366	0.24905	0.39879	0.76366	0.24882	0.39848	5.94536	21.31262	0.76793	0.27886	0.43611	0.76793	0.27862	0.43581				
86	28	6.13614	24.50119	0.76366	0.25036	0.40046	0.76366	0.25010	0.40012	5.94536	21.22804	0.76793	0.27997	0.43746	0.76793	0.27970	0.43713				
86	29	6.13614	24.36788	0.76366	0.25172	0.40220	0.76366	0.25144	0.40184	5.94536	21.13984	0.76793	0.28112	0.43887	0.76793	0.28083	0.43851				
86	30	6.13614	24.23009	0.76366	0.25314	0.40401	0.76366	0.25284	0.40362	5.94536	21.04806	0.76793	0.28234	0.44035	0.76793	0.28202	0.43997				
86	31	6.13614	24.08752	0.76366	0.25463	0.40591	0.76366	0.25430	0.40549	5.94536	20.95246	0.76793	0.28362	0.44191	0.76793	0.28328	0.44149				
86	32	6.13614	23.94006	0.76366	0.25619	0.40789	0.76366	0.25584	0.40744	5.94536	20.85289	0.76793	0.28496	0.44354	0.76793	0.28460	0.44310				
86	33	6.13614	23.78740	0.76366	0.25783	0.40996	0.76366	0.25746	0.40949	5.94536	20.74907	0.76793	0.28638	0.44525	0.76793	0.28599	0.44478				
86	34	6.13614	23.62942	0.76366	0.25954	0.41212	0.76366	0.25915	0.41162	5.94536	20.64088	0.76793	0.28787	0.44705	0.76793	0.28746	0.44655				
86	35	6.13614	23.46579	0.76366	0.26134	0.41439	0.76366	0.26092	0.41386	5.94536	20.52800	0.76793	0.28944	0.44894	0.76793	0.28901	0.44842				
86	36	6.13614	23.29632	0.76366	0.26324	0.41676	0.76366	0.26279	0.41620	5.94536	20.41023	0.76793	0.29110	0.45094	0.76793	0.29064	0.45038				
86	37	6.13614	23.12089	0.76366	0.26522	0.41925	0.76366	0.26475	0.41865	5.94536	20.28745	0.76793	0.29285	0.45303	0.76793	0.29236	0.45244				
86	38	6.13614	22.93911	0.76366	0.26731	0.42186	0.76366	0.26680	0.42122	5.94536	20.15926	0.76793	0.29470	0.45524	0.76793	0.29418	0.45461				
86	39	6.13614	22.75087	0.76366	0.26951	0.42459	0.76366	0.26897	0.42392	5.94536	20.02555	0.76793	0.29665	0.45757	0.76793	0.29609	0.45690				
86	40	6.13614	22.55572	0.76366	0.27183	0.42746	0.76366	0.27124	0.42674	5.94536	19.88587	0.76793	0.29872	0.46002	0.76793	0.29812	0.45931				
86	41	6.13614	22.35340	0.76366	0.27427	0.43047	0.76366	0.27364	0.42969	5.94536	19.73995	0.76793	0.30091	0.46261	0.76793	0.30026	0.46184				
86	42	6.13614	22.14385	0.76366	0.27684	0.43363	0.76366	0.27615	0.43279	5.94536	19.58769	0.76793	0.30322	0.46534	0.76793	0.30252	0.46451				
86	43	6.13614	21.92669	0.76366	0.27956	0.43696	0.76366	0.27880	0.43604	5.94536	19.42870	0.76793	0.30567	0.46822	0.76793	0.30490	0.46732				
86	44	6.13614	21.70178	0.76366	0.28242	0.44045	0.76366	0.28159	0.43944	5.94536	19.26280	0.76793	0.30827	0.47126	0.76793	0.30742	0.47027				
86	45	6.13614	21.46876	0.76366	0.28545	0.44412	0.76366	0.28452	0.44300	5.94536	19.08963	0.76793	0.31102	0.47447	0.76793	0.31008	0.47337				
86	46	6.13614	21.22763	0.76366	0.28864	0.44798	0.76366	0.28760	0.44673	5.94536	18.90911	0.76793	0.31394	0.47786	0.76793	0.31288	0.47663				
86	47	6.13614	20.97813	0.76366	0.29202	0.45203	0.76366	0.29085	0.45063	5.94536	18.72094	0.76793	0.31703	0.48143	0.76793	0.31584	0.48006				
86	48	6.13614	20.72003	0.76366	0.29559	0.45630	0.76366	0.29426	0.45472	5.94536	18.52488	0.76793	0.32031	0.48520	0.76793	0.31896	0.48366				
86	49	6.13614	20.45326	0.76366	0.29936	0.46078	0.76366	0.29785	0.45899	5.94536	18.32076	0.76793	0.32378	0.48918	0.76793	0.32225	0.48743				
86	50	6.13614	20.17742	0.76366	0.30335	0.46550	0.76366	0.30162	0.46346	5.94536	18.10816	0.76793	0.32747	0.49338	0.76793	0.32572	0.49139				
86	51	6.13614	19.89339	0.76366	0.30757	0.47045	0.76366	0.30559	0.46813	5.94536	17.88781	0.76793	0.33138	0.49780	0.76793	0.32938	0.49554				
86	52	6.13614	19.60122	0.76366	0.31203	0.47564	0.76366	0.30977	0.47301	5.94536	17.65967	0.76793	0.33552	0.50245	0.76793	0.33324	0.49990				
86	53	6.13614	19.30125	0.76366	0.31673	0.48108	0.76366	0.31416	0.47812	5.94536	17.42398	0.76793	0.33989	0.50734	0.76793	0.33731	0.50446				
86	54	6.13614	18.99375	0.76366	0.32169	0.48678	0.76366	0.31880	0.48346	5.94536	17.18091	0.76793	0.34452	0.51248	0.76793	0.34161	0.50925				
86	55	6.13614	18.67912	0.76366	0.32693	0.49276	0.76366	0.32368	0.48906	5.94536	16.93076	0.76793	0.34941	0.51787	0.76793	0.34615	0.51428				
86	56	6.13614	18.35803	0.76366	0.33245	0.49900	0.76366	0.32883	0.49492	5.94536	16.67407	0.76793	0.35457	0.52352	0.76793	0.35095	0.51956				
86	57	6.13614	18.02853	0.76366	0.33830	0.50557	0.76366	0.33427	0.50106	5.94536	16.40902	0.76793	0.36006	0.52947	0.76793	0.35603	0.52511				
86	58	6.13614	17.69065	0.76366	0.34450	0.51246	0.76366	0.34003	0.50749	5.94536	16.13552	0.76793	0.36589	0.53575	0.76793	0.36142	0.53094				
86	59	6.13614	17.34441	0.76366	0.35109	0.51971	0.76366	0.34611	0.51423	5.94536	15.85354	0.76793	0.37208	0.54236	0.76793	0.36712	0.53707				
86	60	6.13614	16.98967	0.76366	0.35808	0.52733	0.76366	0.35254	0.52130	5.94536	15.56284	0.76793	0.37867	0.54932	0.76793	0.37316	0.54351				
86	61	6.13614	16.62627	0.76366	0.36551	0.53535	0.76366	0.35935	0.52870	5.94536	15.26320	0.76793	0.38568	0.55667	0.76793	0.37957	0.55027				
86	62	6.13614	16.25423	0.76366	0.37342	0.54378	0.76366	0.36655	0.53646	5.94536	14.95454	0.76793	0.39316	0.56441	0.76793	0.38636	0.55737				
86	63	6.13614	15.87341	0.76366	0.38183	0.55265	0.76366	0.37417	0.54457	5.94536	14.63664	0.76793	0.40113	0.57258	0.76793	0.39355	0.56482				
86	64	6.13614	15.48353	0.76366	0.39080	0.56198	0.76366	0.38223	0.55306	5.94536	14.30913	0.76793	0.40963	0.58119	0.76793	0.40118	0.57263				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
86	65	6.13614	15.08480	0.76366	0.40036	0.57180	0.76366	0.39076	0.56193	5.94536	13.97213	0.76793	0.41871	0.59027	0.76793	0.40926	0.58081		
86	66	6.13614	14.67724	0.76366	0.41056	0.58212	0.76366	0.39977	0.57119	5.94536	13.62552	0.76793	0.42840	0.59983	0.76793	0.41781	0.58937		
86	67	6.13614	14.26104	0.76366	0.42143	0.59296	0.76366	0.40928	0.58084	5.94536	13.26940	0.76793	0.43875	0.60990	0.76793	0.42685	0.59831		
86	68	6.13614	13.83657	0.76366	0.43301	0.60434	0.76366	0.41932	0.59087	5.94536	12.90401	0.76793	0.44979	0.62049	0.76793	0.43639	0.60763		
86	69	6.13614	13.40435	0.76366	0.44536	0.61626	0.76366	0.42989	0.60130	5.94536	12.52973	0.76793	0.46156	0.63160	0.76793	0.44647	0.61732		
86	70	6.13614	12.96501	0.76366	0.45849	0.62872	0.76366	0.44102	0.61210	5.94536	12.14706	0.76793	0.47410	0.64324	0.76793	0.45708	0.62739		
86	71	6.13614	12.51927	0.76366	0.47245	0.64172	0.76366	0.45271	0.62327	5.94536	11.75658	0.76793	0.48744	0.65541	0.76793	0.46824	0.63782		
86	72	6.13614	12.06792	0.76366	0.48727	0.65526	0.76366	0.46497	0.63479	5.94536	11.35893	0.76793	0.50161	0.66810	0.76793	0.47995	0.64860		
86	73	6.13614	11.61185	0.76366	0.50297	0.66930	0.76366	0.47780	0.64664	5.94536	10.95491	0.76793	0.51663	0.68128	0.76793	0.49222	0.65972		
86	74	6.13614	11.15217	0.76366	0.51956	0.68383	0.76366	0.49120	0.65880	5.94536	10.54549	0.76793	0.53250	0.69495	0.76793	0.50505	0.67114		
86	75	6.13614	10.68986	0.76366	0.53703	0.69879	0.76366	0.50516	0.67123	5.94536	10.13154	0.76793	0.54925	0.70905	0.76793	0.51842	0.68284		
86	76	6.13614	10.22626	0.76366	0.55539	0.71415	0.76366	0.51965	0.68390	5.94536	9.71428	0.76793	0.56684	0.72355	0.76793	0.53231	0.69478		
86	77	6.13614	9.76277	0.76366	0.57458	0.72982	0.76366	0.53465	0.69677	5.94536	9.29502	0.76793	0.58525	0.73837	0.76793	0.54671	0.70693		
86	78	6.13614	9.30064	0.76366	0.59457	0.74574	0.76366	0.55012	0.70978	5.94536	8.87492	0.76793	0.60443	0.75345	0.76793	0.56157	0.71924		
86	79	6.13614	8.84103	0.76366	0.61528	0.76183	0.76366	0.56603	0.72289	5.94536	8.45509	0.76793	0.62432	0.76871	0.76793	0.57687	0.73166		
86	80	6.13614	8.38551	0.76366	0.63662	0.77797	0.76366	0.58231	0.73602	5.94536	8.03703	0.76793	0.64482	0.78406	0.76793	0.59253	0.74413		
86	81	6.13614	7.93532	0.76366	0.65845	0.79406	0.76366	0.59890	0.74914	5.94536	7.62196	0.76793	0.66582	0.79939	0.76793	0.60850	0.75660		
86	82	6.13614	7.49211	0.76366	0.68064	0.80998	0.76366	0.61572	0.76216	5.94536	7.21152	0.76793	0.68718	0.81459	0.76793	0.62471	0.76901		
86	83	6.13614	7.05756	0.76366	0.70300	0.82560	0.76366	0.63269	0.77503	5.94536	6.80735	0.76793	0.70874	0.82954	0.76793	0.64108	0.78129		
86	84	6.13614	6.63342	0.76366	0.72534	0.84081	0.76366	0.64972	0.78767	5.94536	6.41122	0.76793	0.73029	0.84412	0.76793	0.65752	0.79337		
86	85	6.13614	6.22156	0.76366	0.74742	0.85546	0.76366	0.66671	0.80003	5.94536	6.02503	0.76793	0.75163	0.85821	0.76793	0.67393	0.80521		
86	86	6.13614	5.82374	0.76366	0.76903	0.86944	0.76366	0.68356	0.81204	5.94536	5.65055	0.76793	0.77255	0.87168	0.76793	0.69022	0.81672		
86	87	6.13614	5.44155	0.76366	0.78995	0.88265	0.76366	0.70016	0.82364	5.94536	5.28949	0.76793	0.79283	0.88445	0.76793	0.70630	0.82787		
86	88	6.13614	5.07613	0.76366	0.80999	0.89502	0.76366	0.71644	0.83480	5.94536	4.94306	0.76793	0.81229	0.89643	0.76793	0.72206	0.83860		
86	89	6.13614	4.72862	0.76366	0.82898	0.90649	0.76366	0.73229	0.84546	5.94536	4.61250	0.76793	0.83077	0.90756	0.76793	0.73743	0.84887		
86	90	6.13614	4.40007	0.76366	0.84677	0.91703	0.76366	0.74764	0.85560	5.94536	4.29901	0.76793	0.84811	0.91781	0.76793	0.75233	0.85866		
86	91	6.13614	4.09149	0.76366	0.86325	0.92661	0.76366	0.76242	0.86520	5.94536	4.00370	0.76793	0.86421	0.92716	0.76793	0.76668	0.86793		
86	92	6.13614	3.80354	0.76366	0.87836	0.93524	0.76366	0.77658	0.87424	5.94536	3.72738	0.76793	0.87901	0.93561	0.76793	0.78044	0.87668		
86	93	6.13614	3.53621	0.76366	0.89209	0.94297	0.76366	0.79009	0.88274	5.94536	3.47020	0.76793	0.89247	0.94318	0.76793	0.79359	0.88492		
86	94	6.13614	3.28870	0.76366	0.90447	0.94984	0.76366	0.80293	0.89069	5.94536	3.23152	0.76793	0.90465	0.94994	0.76793	0.80609	0.89263		
86	95	6.13614	3.05955	0.76366	0.91558	0.95593	0.76366	0.81508	0.89812	5.94536	3.01004	0.76793	0.91560	0.95594	0.76793	0.81793	0.89985		
86	96	6.13614	2.84646	0.76366	0.92551	0.96132	0.76366	0.82651	0.90501	5.94536	2.80360	0.76793	0.92541	0.96126	0.76793	0.82908	0.90655		
86	97	6.13614	2.65226	0.76366	0.93425	0.96601	0.76366	0.83719	0.91138	5.94536	2.61510	0.76793	0.93406	0.96591	0.76793	0.83951	0.91275		
86	98	6.13614	2.47567	0.76366	0.94192	0.97009	0.76366	0.84715	0.91725	5.94536	2.44340	0.76793	0.94166	0.96995	0.76793	0.84925	0.91848		
86	99	6.13614	2.31535	0.76366	0.94861	0.97363	0.76366	0.85643	0.92266	5.94536	2.28724	0.76793	0.94831	0.97347	0.76793	0.85832	0.92376		
86	100	6.13614	2.16976	0.76366	0.95445	0.97670	0.76366	0.86505	0.92764	5.94536	2.14523	0.76793	0.95413	0.97653	0.76793	0.86676	0.92862		
86	101	6.13614	2.03734	0.76366	0.95955	0.97936	0.76366	0.87304	0.93222	5.94536	2.01587	0.76793	0.95921	0.97918	0.76793	0.87459	0.93310		
86	102	6.13614	1.91714	0.76366	0.96399	0.98166	0.76366	0.88044	0.93642	5.94536	1.89830	0.76793	0.96364	0.98149	0.76793	0.88184	0.93721		
86	103	6.13614	1.80800	0.76366	0.96785	0.98366	0.76366	0.88725	0.94026	5.94536	1.79140	0.76793	0.96750	0.98348	0.76793	0.88853	0.94097		
86	104	6.13614	1.70943	0.76366	0.97118	0.98538	0.76366	0.89349	0.94375	5.94536	1.69474	0.76793	0.97085	0.98521	0.76793	0.89466	0.94440		
86	105	6.13614	1.62048	0.76366	0.97406	0.98686	0.76366	0.89916	0.94690	5.94536	1.60741	0.76793	0.97374	0.98669	0.76793	0.90024	0.94750		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
86	106	6.13614	1.54080	0.76366	0.97652	0.98812	0.76366	0.90425	0.94972	5.94536	1.52911	0.76793	0.97621	0.98796	0.76793	0.90524	0.95026
86	107	6.13614	1.47009	0.76366	0.97859	0.98918	0.76366	0.90870	0.95217	5.94536	1.45954	0.76793	0.97830	0.98903	0.76793	0.90963	0.95268
86	108	6.13614	1.40861	0.76366	0.98029	0.99005	0.76366	0.91243	0.95421	5.94536	1.39898	0.76793	0.98001	0.98990	0.76793	0.91331	0.95469
86	109	6.13614	1.35764	0.76366	0.98161	0.99072	0.76366	0.91531	0.95578	5.94536	1.34871	0.76793	0.98133	0.99058	0.76793	0.91615	0.95624
86	110	6.13614	1.32125	0.76366	0.98249	0.99117	0.76366	0.91725	0.95684	5.94536	1.31279	0.76793	0.98223	0.99104	0.76793	0.91807	0.95729
87	1	5.74047	26.72925	0.74693	0.21474	0.35356	0.74693	0.21466	0.35344	5.57263	22.57586	0.75146	0.24681	0.39591	0.75146	0.24672	0.39579
87	2	5.74047	26.68154	0.74693	0.21513	0.35408	0.74693	0.21505	0.35398	5.57263	22.55058	0.75146	0.24709	0.39627	0.75146	0.24701	0.39616
87	3	5.74047	26.63112	0.74693	0.21554	0.35463	0.74693	0.21546	0.35454	5.57263	22.52338	0.75146	0.24739	0.39665	0.75146	0.24731	0.39655
87	4	5.74047	26.57806	0.74693	0.21597	0.35522	0.74693	0.21589	0.35512	5.57263	22.49433	0.75146	0.24771	0.39706	0.75146	0.24763	0.39696
87	5	5.74047	26.52283	0.74693	0.21641	0.35582	0.74693	0.21634	0.35572	5.57263	22.46379	0.75146	0.24805	0.39749	0.75146	0.24797	0.39739
87	6	5.74047	26.46539	0.74693	0.21688	0.35646	0.74693	0.21681	0.35636	5.57263	22.43176	0.75146	0.24840	0.39795	0.75146	0.24832	0.39784
87	7	5.74047	26.40551	0.74693	0.21737	0.35712	0.74693	0.21730	0.35701	5.57263	22.39806	0.75146	0.24877	0.39843	0.75146	0.24869	0.39832
87	8	5.74047	26.34335	0.74693	0.21789	0.35781	0.74693	0.21780	0.35770	5.57263	22.36278	0.75146	0.24916	0.39893	0.75146	0.24907	0.39881
87	9	5.74047	26.27867	0.74693	0.21842	0.35853	0.74693	0.21833	0.35841	5.57263	22.32575	0.75146	0.24957	0.39945	0.75146	0.24948	0.39933
87	10	5.74047	26.21121	0.74693	0.21898	0.35928	0.74693	0.21888	0.35915	5.57263	22.28674	0.75146	0.25001	0.40001	0.75146	0.24990	0.39987
87	11	5.74047	26.14141	0.74693	0.21956	0.36007	0.74693	0.21945	0.35991	5.57263	22.24611	0.75146	0.25046	0.40059	0.75146	0.25034	0.40043
87	12	5.74047	26.06892	0.74693	0.22017	0.36088	0.74693	0.22004	0.36071	5.57263	22.20360	0.75146	0.25093	0.40119	0.75146	0.25080	0.40102
87	13	5.74047	25.99388	0.74693	0.22080	0.36173	0.74693	0.22066	0.36154	5.57263	22.15929	0.75146	0.25143	0.40183	0.75146	0.25128	0.40163
87	14	5.74047	25.91617	0.74693	0.22146	0.36261	0.74693	0.22130	0.36239	5.57263	22.11310	0.75146	0.25195	0.40249	0.75146	0.25178	0.40227
87	15	5.74047	25.83587	0.74693	0.22214	0.36353	0.74693	0.22196	0.36329	5.57263	22.06509	0.75146	0.25249	0.40318	0.75146	0.25230	0.40294
87	16	5.74047	25.75319	0.74693	0.22285	0.36447	0.74693	0.22265	0.36421	5.57263	22.01544	0.75146	0.25305	0.40390	0.75146	0.25285	0.40363
87	17	5.74047	25.66857	0.74693	0.22358	0.36545	0.74693	0.22338	0.36518	5.57263	21.96453	0.75146	0.25364	0.40464	0.75146	0.25342	0.40436
87	18	5.74047	25.58235	0.74693	0.22433	0.36646	0.74693	0.22413	0.36619	5.57263	21.91267	0.75146	0.25424	0.40541	0.75146	0.25402	0.40513
87	19	5.74047	25.49361	0.74693	0.22512	0.36750	0.74693	0.22492	0.36724	5.57263	21.85907	0.75146	0.25486	0.40620	0.75146	0.25466	0.40594
87	20	5.74047	25.40164	0.74693	0.22594	0.36859	0.74693	0.22575	0.36835	5.57263	21.80312	0.75146	0.25552	0.40704	0.75146	0.25533	0.40679
87	21	5.74047	25.30562	0.74693	0.22680	0.36974	0.74693	0.22663	0.36951	5.57263	21.74411	0.75146	0.25622	0.40792	0.75146	0.25604	0.40769
87	22	5.74047	25.20517	0.74693	0.22770	0.37094	0.74693	0.22754	0.37072	5.57263	21.68171	0.75146	0.25696	0.40886	0.75146	0.25679	0.40864
87	23	5.74047	25.09967	0.74693	0.22866	0.37221	0.74693	0.22850	0.37200	5.57263	21.61537	0.75146	0.25775	0.40986	0.75146	0.25758	0.40964
87	24	5.74047	24.98936	0.74693	0.22967	0.37354	0.74693	0.22950	0.37332	5.57263	21.54528	0.75146	0.25859	0.41092	0.75146	0.25841	0.41069
87	25	5.74047	24.87419	0.74693	0.23073	0.37494	0.74693	0.23055	0.37471	5.57263	21.47137	0.75146	0.25947	0.41203	0.75146	0.25929	0.41180
87	26	5.74047	24.75420	0.74693	0.23184	0.37641	0.74693	0.23165	0.37616	5.57263	21.39367	0.75146	0.26041	0.41321	0.75146	0.26020	0.41296
87	27	5.74047	24.62994	0.74693	0.23300	0.37795	0.74693	0.23279	0.37767	5.57263	21.31262	0.75146	0.26139	0.41445	0.75146	0.26117	0.41417
87	28	5.74047	24.50119	0.74693	0.23422	0.37955	0.74693	0.23399	0.37924	5.57263	21.22804	0.75146	0.26243	0.41575	0.75146	0.26218	0.41544
87	29	5.74047	24.36788	0.74693	0.23550	0.38122	0.74693	0.23525	0.38089	5.57263	21.13984	0.75146	0.26351	0.41711	0.75146	0.26325	0.41678
87	30	5.74047	24.23009	0.74693	0.23683	0.38296	0.74693	0.23656	0.38261	5.57263	21.04806	0.75146	0.26465	0.41854	0.75146	0.26437	0.41818
87	31	5.74047	24.08752	0.74693	0.23823	0.38479	0.74693	0.23793	0.38440	5.57263	20.95246	0.75146	0.26585	0.42004	0.75146	0.26555	0.41966
87	32	5.74047	23.94006	0.74693	0.23969	0.38669	0.74693	0.23937	0.38628	5.57263	20.85289	0.75146	0.26712	0.42161	0.75146	0.26679	0.42121
87	33	5.74047	23.78740	0.74693	0.24122	0.38868	0.74693	0.24089	0.38825	5.57263	20.74907	0.75146	0.26844	0.42327	0.75146	0.26810	0.42283
87	34	5.74047	23.62942	0.74693	0.24282	0.39076	0.74693	0.24247	0.39030	5.57263	20.64088	0.75146	0.26984	0.42500	0.75146	0.26947	0.42454
87	35	5.74047	23.46579	0.74693	0.24451	0.39294	0.74693	0.24413	0.39245	5.57263	20.52800	0.75146	0.27132	0.42683	0.75146	0.27093	0.42634
87	36	5.74047	23.29632	0.74693	0.24628	0.39522	0.74693	0.24588	0.39471	5.57263	20.41023	0.75146	0.27287	0.42875	0.75146	0.27246	0.42824

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
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PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
87	37	5.74047	23.12089	0.74693	0.24814	0.39762	0.74693	0.24772	0.39707	5.57263	20.28745	0.75146	0.27452	0.43078	0.75146	0.27407	0.43023	
87	38	5.74047	22.93911	0.74693	0.25010	0.40012	0.74693	0.24964	0.39954	5.57263	20.15926	0.75146	0.27625	0.43291	0.75146	0.27578	0.43233	
87	39	5.74047	22.75087	0.74693	0.25216	0.40275	0.74693	0.25167	0.40214	5.57263	20.02555	0.75146	0.27808	0.43516	0.75146	0.27758	0.43454	
87	40	5.74047	22.55572	0.74693	0.25433	0.40552	0.74693	0.25381	0.40486	5.57263	19.88587	0.75146	0.28002	0.43753	0.75146	0.27949	0.43687	
87	41	5.74047	22.35340	0.74693	0.25661	0.40842	0.74693	0.25605	0.40771	5.57263	19.73995	0.75146	0.28207	0.44003	0.75146	0.28150	0.43932	
87	42	5.74047	22.14385	0.74693	0.25902	0.41147	0.74693	0.25841	0.41070	5.57263	19.58769	0.75146	0.28425	0.44267	0.75146	0.28362	0.44191	
87	43	5.74047	21.92669	0.74693	0.26157	0.41467	0.74693	0.26090	0.41383	5.57263	19.42870	0.75146	0.28655	0.44545	0.75146	0.28586	0.44463	
87	44	5.74047	21.70178	0.74693	0.26425	0.41804	0.74693	0.26352	0.41712	5.57263	19.26280	0.75146	0.28899	0.44840	0.75146	0.28824	0.44749	
87	45	5.74047	21.46876	0.74693	0.26709	0.42158	0.74693	0.26627	0.42056	5.57263	19.08963	0.75146	0.29157	0.45150	0.75146	0.29074	0.45050	
87	46	5.74047	21.22763	0.74693	0.27009	0.42530	0.74693	0.26917	0.42417	5.57263	18.90911	0.75146	0.29432	0.45478	0.75146	0.29338	0.45366	
87	47	5.74047	20.97813	0.74693	0.27325	0.42922	0.74693	0.27222	0.42795	5.57263	18.72094	0.75146	0.29722	0.45824	0.75146	0.29617	0.45699	
87	48	5.74047	20.72003	0.74693	0.27660	0.43334	0.74693	0.27543	0.43190	5.57263	18.52488	0.75146	0.30031	0.46190	0.75146	0.29911	0.46049	
87	49	5.74047	20.45326	0.74693	0.28014	0.43767	0.74693	0.27881	0.43604	5.57263	18.32076	0.75146	0.30358	0.46576	0.75146	0.30222	0.46416	
87	50	5.74047	20.17742	0.74693	0.28389	0.44224	0.74693	0.28236	0.44037	5.57263	18.10816	0.75146	0.30705	0.46984	0.75146	0.30549	0.46801	
87	51	5.74047	19.89339	0.74693	0.28785	0.44703	0.74693	0.28610	0.44491	5.57263	17.88781	0.75146	0.31073	0.47413	0.75146	0.30895	0.47206	
87	52	5.74047	19.60122	0.74693	0.29204	0.45205	0.74693	0.29003	0.44965	5.57263	17.65967	0.75146	0.31462	0.47865	0.75146	0.31259	0.47630	
87	53	5.74047	19.30125	0.74693	0.29645	0.45733	0.74693	0.29417	0.45461	5.57263	17.42398	0.75146	0.31875	0.48341	0.75146	0.31644	0.48075	
87	54	5.74047	18.99375	0.74693	0.30112	0.46286	0.74693	0.29854	0.45980	5.57263	17.18091	0.75146	0.32310	0.48840	0.75146	0.32050	0.48542	
87	55	5.74047	18.67912	0.74693	0.30604	0.46865	0.74693	0.30314	0.46524	5.57263	16.93076	0.75146	0.32771	0.49365	0.75146	0.32479	0.49032	
87	56	5.74047	18.35803	0.74693	0.31123	0.47472	0.74693	0.30800	0.47095	5.57263	16.67407	0.75146	0.33259	0.49916	0.75146	0.32933	0.49548	
87	57	5.74047	18.02853	0.74693	0.31674	0.48110	0.74693	0.31314	0.47693	5.57263	16.40902	0.75146	0.33776	0.50496	0.75146	0.33414	0.50091	
87	58	5.74047	17.69065	0.74693	0.32258	0.48781	0.74693	0.31857	0.48321	5.57263	16.13552	0.75146	0.34326	0.51108	0.75146	0.33923	0.50661	
87	59	5.74047	17.34441	0.74693	0.32878	0.49486	0.74693	0.32432	0.48979	5.57263	15.85354	0.75146	0.34911	0.51754	0.75146	0.34464	0.51261	
87	60	5.74047	16.98967	0.74693	0.33537	0.50229	0.74693	0.33041	0.49670	5.57263	15.56284	0.75146	0.35534	0.52435	0.75146	0.35037	0.51893	
87	61	5.74047	16.62627	0.74693	0.34238	0.51011	0.74693	0.33685	0.50395	5.57263	15.26320	0.75146	0.36197	0.53154	0.75146	0.35645	0.52557	
87	62	5.74047	16.25423	0.74693	0.34985	0.51835	0.74693	0.34368	0.51155	5.57263	14.95454	0.75146	0.36905	0.53913	0.75146	0.36291	0.53255	
87	63	5.74047	15.87341	0.74693	0.35780	0.52703	0.74693	0.35092	0.51952	5.57263	14.63664	0.75146	0.37660	0.54714	0.75146	0.36976	0.53989	
87	64	5.74047	15.48353	0.74693	0.36629	0.53618	0.74693	0.35858	0.52788	5.57263	14.30913	0.75146	0.38467	0.55561	0.75146	0.37703	0.54760	
87	65	5.74047	15.08480	0.74693	0.37535	0.54583	0.74693	0.36670	0.53663	5.57263	13.97213	0.75146	0.39329	0.56455	0.75146	0.38474	0.55569	
87	66	5.74047	14.67724	0.74693	0.38503	0.55598	0.74693	0.37530	0.54577	5.57263	13.62552	0.75146	0.40252	0.57399	0.75146	0.39292	0.56417	
87	67	5.74047	14.26104	0.74693	0.39536	0.56668	0.74693	0.38440	0.55533	5.57263	13.26940	0.75146	0.41238	0.58395	0.75146	0.40158	0.57304	
87	68	5.74047	13.83657	0.74693	0.40640	0.57793	0.74693	0.39401	0.56529	5.57263	12.90401	0.75146	0.42293	0.59445	0.75146	0.41075	0.58232	
87	69	5.74047	13.40435	0.74693	0.41818	0.58974	0.74693	0.40417	0.57567	5.57263	12.52973	0.75146	0.43420	0.60549	0.75146	0.42045	0.59200	
87	70	5.74047	12.96501	0.74693	0.43075	0.60214	0.74693	0.41488	0.58645	5.57263	12.14706	0.75146	0.44624	0.61710	0.75146	0.43069	0.60207	
87	71	5.74047	12.51927	0.74693	0.44415	0.61511	0.74693	0.42616	0.59764	5.57263	11.75658	0.75146	0.45907	0.62927	0.75146	0.44149	0.61254	
87	72	5.74047	12.06792	0.74693	0.45842	0.62865	0.74693	0.43803	0.60921	5.57263	11.35893	0.75146	0.47275	0.64200	0.75146	0.45285	0.62340	
87	73	5.74047	11.61185	0.74693	0.47359	0.64277	0.74693	0.45049	0.62116	5.57263	10.95491	0.75146	0.48730	0.65528	0.75146	0.46480	0.63462	
87	74	5.74047	11.15217	0.74693	0.48967	0.65742	0.74693	0.46354	0.63345	5.57263	10.54549	0.75146	0.50274	0.66910	0.75146	0.47732	0.64620	
87	75	5.74047	10.68986	0.74693	0.50670	0.67259	0.74693	0.47719	0.64608	5.57263	10.13154	0.75146	0.51909	0.68342	0.75146	0.49043	0.65810	
87	76	5.74047	10.22626	0.74693	0.52466	0.68823	0.74693	0.49142	0.65899	5.57263	9.71428	0.75146	0.53635	0.69821	0.75146	0.50410	0.67030	
87	77	5.74047	9.76277	0.74693	0.54354	0.70428	0.74693	0.50620	0.67216	5.57263	9.29502	0.75146	0.55450	0.71341	0.75146	0.51832	0.68276	

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
87	78	5.74047	9.30064	0.74693	0.56331	0.72066	0.74693	0.52152	0.68553	5.57263	8.87492	0.75146	0.57352	0.72896	0.75146	0.53307	0.69543
87	79	5.74047	8.84103	0.74693	0.58392	0.73731	0.74693	0.53734	0.69905	5.57263	8.45509	0.75146	0.59335	0.74479	0.75146	0.54831	0.70827
87	80	5.74047	8.38551	0.74693	0.60530	0.75413	0.74693	0.55361	0.71267	5.57263	8.03703	0.75146	0.61394	0.76079	0.75146	0.56399	0.72122
87	81	5.74047	7.93532	0.74693	0.62733	0.77100	0.74693	0.57026	0.72633	5.57263	7.62196	0.75146	0.63517	0.77688	0.75146	0.58005	0.73422
87	82	5.74047	7.49211	0.74693	0.64989	0.78780	0.74693	0.58723	0.73995	5.57263	7.21152	0.75146	0.65692	0.79294	0.75146	0.59644	0.74721
87	83	5.74047	7.05756	0.74693	0.67281	0.80440	0.74693	0.60444	0.75346	5.57263	6.80735	0.75146	0.67904	0.80884	0.75146	0.61307	0.76013
87	84	5.74047	6.63342	0.74693	0.69588	0.82067	0.74693	0.62180	0.76681	5.57263	6.41122	0.75146	0.70134	0.82445	0.75146	0.62986	0.77290
87	85	5.74047	6.22156	0.74693	0.71890	0.83646	0.74693	0.63922	0.77991	5.57263	6.02503	0.75146	0.72360	0.83964	0.75146	0.64670	0.78545
87	86	5.74047	5.82374	0.74693	0.74161	0.85164	0.74693	0.65657	0.79269	5.57263	5.65055	0.75146	0.74560	0.85426	0.75146	0.66351	0.79772
87	87	5.74047	5.44155	0.74693	0.76380	0.86608	0.74693	0.67377	0.80509	5.57263	5.28949	0.75146	0.76712	0.86822	0.75146	0.68018	0.80965
87	88	5.74047	5.07613	0.74693	0.78524	0.87970	0.74693	0.69070	0.81706	5.57263	4.94306	0.75146	0.78795	0.88140	0.75146	0.69660	0.82117
87	89	5.74047	4.72862	0.74693	0.80572	0.89241	0.74693	0.70728	0.82855	5.57263	4.61250	0.75146	0.80788	0.89373	0.75146	0.71270	0.83225
87	90	5.74047	4.40007	0.74693	0.82508	0.90416	0.74693	0.72341	0.83951	5.57263	4.29901	0.75146	0.82675	0.90516	0.75146	0.72837	0.84284
87	91	5.74047	4.09149	0.74693	0.84316	0.91491	0.74693	0.73902	0.84992	5.57263	4.00370	0.75146	0.84441	0.91564	0.75146	0.74354	0.85291
87	92	5.74047	3.80354	0.74693	0.85987	0.92465	0.74693	0.75404	0.85977	5.57263	3.72738	0.75146	0.86076	0.92517	0.75146	0.75815	0.86244
87	93	5.74047	3.53621	0.74693	0.87516	0.93342	0.74693	0.76842	0.86905	5.57263	3.47020	0.75146	0.87575	0.93376	0.75146	0.77216	0.87144
87	94	5.74047	3.28870	0.74693	0.88904	0.94126	0.74693	0.78215	0.87776	5.57263	3.23152	0.75146	0.88939	0.94146	0.75146	0.78554	0.87989
87	95	5.74047	3.05955	0.74693	0.90159	0.94825	0.74693	0.79520	0.88592	5.57263	3.01004	0.75146	0.90174	0.94833	0.75146	0.79827	0.88782
87	96	5.74047	2.84646	0.74693	0.91287	0.95445	0.74693	0.80752	0.89351	5.57263	2.80360	0.75146	0.91288	0.95445	0.75146	0.81030	0.89521
87	97	5.74047	2.65226	0.74693	0.92286	0.95988	0.74693	0.81907	0.90054	5.57263	2.61510	0.75146	0.92274	0.95982	0.75146	0.82159	0.90206
87	98	5.74047	2.47567	0.74693	0.93165	0.96462	0.74693	0.82989	0.90704	5.57263	2.44340	0.75146	0.93145	0.96451	0.75146	0.83216	0.90839
87	99	5.74047	2.31535	0.74693	0.93937	0.96874	0.74693	0.83998	0.91303	5.57263	2.28724	0.75146	0.93911	0.96860	0.75146	0.84204	0.91425
87	100	5.74047	2.16976	0.74693	0.94614	0.97232	0.74693	0.84939	0.91856	5.57263	2.14523	0.75146	0.94584	0.97217	0.75146	0.85126	0.91965
87	101	5.74047	2.03734	0.74693	0.95207	0.97544	0.74693	0.85814	0.92366	5.57263	2.01587	0.75146	0.95174	0.97527	0.75146	0.85983	0.92464
87	102	5.74047	1.91714	0.74693	0.95724	0.97815	0.74693	0.86625	0.92833	5.57263	1.89830	0.75146	0.95690	0.97798	0.75146	0.86779	0.92922
87	103	5.74047	1.80800	0.74693	0.96176	0.98051	0.74693	0.87375	0.93262	5.57263	1.79140	0.75146	0.96141	0.98033	0.75146	0.87515	0.93342
87	104	5.74047	1.70943	0.74693	0.96567	0.98254	0.74693	0.88063	0.93653	5.57263	1.69474	0.75146	0.96533	0.98236	0.75146	0.88191	0.93725
87	105	5.74047	1.62048	0.74693	0.96906	0.98429	0.74693	0.88690	0.94006	5.57263	1.60741	0.75146	0.96873	0.98412	0.75146	0.88808	0.94072
87	106	5.74047	1.54080	0.74693	0.97196	0.98578	0.74693	0.89253	0.94321	5.57263	1.52911	0.75146	0.97164	0.98562	0.75146	0.89363	0.94383
87	107	5.74047	1.47009	0.74693	0.97441	0.98704	0.74693	0.89747	0.94596	5.57263	1.45954	0.75146	0.97410	0.98688	0.75146	0.89850	0.94653
87	108	5.74047	1.40861	0.74693	0.97643	0.98807	0.74693	0.90162	0.94826	5.57263	1.39898	0.75146	0.97613	0.98792	0.75146	0.90259	0.94880
87	109	5.74047	1.35764	0.74693	0.97799	0.98887	0.74693	0.90482	0.95003	5.57263	1.34871	0.75146	0.97770	0.98872	0.75146	0.90576	0.95055
87	110	5.74047	1.32125	0.74693	0.97904	0.98941	0.74693	0.90699	0.95123	5.57263	1.31279	0.75146	0.97876	0.98927	0.75146	0.90790	0.95172
88	1	5.36023	26.72925	0.73073	0.20052	0.33405	0.73073	0.20044	0.33395	5.21311	22.57586	0.73553	0.23089	0.37516	0.73553	0.23081	0.37505
88	2	5.36023	26.68154	0.73073	0.20088	0.33455	0.73073	0.20081	0.33446	5.21311	22.55058	0.73553	0.23115	0.37550	0.73553	0.23108	0.37541
88	3	5.36023	26.63112	0.73073	0.20126	0.33508	0.73073	0.20120	0.33499	5.21311	22.52338	0.73553	0.23143	0.37587	0.73553	0.23136	0.37578
88	4	5.36023	26.57806	0.73073	0.20166	0.33564	0.73073	0.20160	0.33555	5.21311	22.49433	0.73553	0.23173	0.37627	0.73553	0.23166	0.37618
88	5	5.36023	26.52283	0.73073	0.20208	0.33622	0.73073	0.20202	0.33613	5.21311	22.46379	0.73553	0.23205	0.37668	0.73553	0.23198	0.37659
88	6	5.36023	26.46539	0.73073	0.20252	0.33683	0.73073	0.20245	0.33673	5.21311	22.43176	0.73553	0.23238	0.37712	0.73553	0.23230	0.37703
88	7	5.36023	26.40551	0.73073	0.20298	0.33746	0.73073	0.20291	0.33736	5.21311	22.39806	0.73553	0.23273	0.37758	0.73553	0.23265	0.37748
88	8	5.36023	26.34335	0.73073	0.20346	0.33812	0.73073	0.20338	0.33802	5.21311	22.36278	0.73553	0.23309	0.37806	0.73553	0.23301	0.37796

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
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PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
88	9	5.36023	26.27867	0.73073	0.20396	0.33881	0.73073	0.20388	0.33870	5.21311	22.32575	0.73553	0.23348	0.37857	0.73553	0.23339	0.37845
88	10	5.36023	26.21121	0.73073	0.20448	0.33953	0.73073	0.20439	0.33941	5.21311	22.28674	0.73553	0.23388	0.37910	0.73553	0.23379	0.37897
88	11	5.36023	26.14141	0.73073	0.20502	0.34028	0.73073	0.20492	0.34014	5.21311	22.24611	0.73553	0.23431	0.37966	0.73553	0.23420	0.37952
88	12	5.36023	26.06892	0.73073	0.20559	0.34106	0.73073	0.20548	0.34090	5.21311	22.20360	0.73553	0.23475	0.38024	0.73553	0.23463	0.38008
88	13	5.36023	25.99388	0.73073	0.20618	0.34187	0.73073	0.20605	0.34170	5.21311	22.15929	0.73553	0.23521	0.38085	0.73553	0.23508	0.38067
88	14	5.36023	25.91617	0.73073	0.20679	0.34271	0.73073	0.20665	0.34252	5.21311	22.11310	0.73553	0.23570	0.38148	0.73553	0.23555	0.38128
88	15	5.36023	25.83587	0.73073	0.20743	0.34359	0.73073	0.20727	0.34337	5.21311	22.06509	0.73553	0.23621	0.38215	0.73553	0.23604	0.38192
88	16	5.36023	25.75319	0.73073	0.20809	0.34450	0.73073	0.20792	0.34426	5.21311	22.01544	0.73553	0.23674	0.38284	0.73553	0.23655	0.38259
88	17	5.36023	25.66857	0.73073	0.20878	0.34543	0.73073	0.20859	0.34518	5.21311	21.96453	0.73553	0.23728	0.38355	0.73553	0.23708	0.38329
88	18	5.36023	25.58235	0.73073	0.20948	0.34640	0.73073	0.20930	0.34615	5.21311	21.91267	0.73553	0.23784	0.38429	0.73553	0.23765	0.38403
88	19	5.36023	25.49361	0.73073	0.21021	0.34740	0.73073	0.21004	0.34716	5.21311	21.85907	0.73553	0.23843	0.38505	0.73553	0.23824	0.38480
88	20	5.36023	25.40164	0.73073	0.21098	0.34844	0.73073	0.21081	0.34822	5.21311	21.80312	0.73553	0.23904	0.38585	0.73553	0.23887	0.38562
88	21	5.36023	25.30562	0.73073	0.21178	0.34953	0.73073	0.21163	0.34933	5.21311	21.74411	0.73553	0.23970	0.38670	0.73553	0.23953	0.38649
88	22	5.36023	25.20517	0.73073	0.21262	0.35069	0.73073	0.21248	0.35049	5.21311	21.68171	0.73553	0.24039	0.38760	0.73553	0.24023	0.38740
88	23	5.36023	25.09967	0.73073	0.21352	0.35190	0.73073	0.21338	0.35171	5.21311	21.61537	0.73553	0.24113	0.38856	0.73553	0.24098	0.38836
88	24	5.36023	24.98936	0.73073	0.21446	0.35318	0.73073	0.21431	0.35298	5.21311	21.54528	0.73553	0.24191	0.38958	0.73553	0.24175	0.38938
88	25	5.36023	24.87419	0.73073	0.21545	0.35452	0.73073	0.21529	0.35431	5.21311	21.47137	0.73553	0.24274	0.39065	0.73553	0.24257	0.39044
88	26	5.36023	24.75420	0.73073	0.21649	0.35593	0.73073	0.21632	0.35569	5.21311	21.39367	0.73553	0.24362	0.39179	0.73553	0.24344	0.39155
88	27	5.36023	24.62994	0.73073	0.21758	0.35740	0.73073	0.21739	0.35714	5.21311	21.31262	0.73553	0.24454	0.39298	0.73553	0.24434	0.39272
88	28	5.36023	24.50119	0.73073	0.21872	0.35893	0.73073	0.21851	0.35865	5.21311	21.22804	0.73553	0.24551	0.39423	0.73553	0.24529	0.39395
88	29	5.36023	24.36788	0.73073	0.21991	0.36053	0.73073	0.21968	0.36023	5.21311	21.13984	0.73553	0.24652	0.39554	0.73553	0.24629	0.39523
88	30	5.36023	24.23009	0.73073	0.22115	0.36220	0.73073	0.22091	0.36188	5.21311	21.04806	0.73553	0.24759	0.39691	0.73553	0.24734	0.39659
88	31	5.36023	24.08752	0.73073	0.22246	0.36395	0.73073	0.22220	0.36360	5.21311	20.95246	0.73553	0.24872	0.39835	0.73553	0.24844	0.39800
88	32	5.36023	23.94006	0.73073	0.22382	0.36578	0.73073	0.22354	0.36540	5.21311	20.85289	0.73553	0.24990	0.39987	0.73553	0.24960	0.39949
88	33	5.36023	23.78740	0.73073	0.22525	0.36768	0.73073	0.22496	0.36729	5.21311	20.74907	0.73553	0.25114	0.40146	0.73553	0.25083	0.40106
88	34	5.36023	23.62942	0.73073	0.22675	0.36968	0.73073	0.22644	0.36926	5.21311	20.64088	0.73553	0.25245	0.40313	0.73553	0.25212	0.40271
88	35	5.36023	23.46579	0.73073	0.22833	0.37177	0.73073	0.22799	0.37133	5.21311	20.52800	0.73553	0.25383	0.40489	0.73553	0.25348	0.40444
88	36	5.36023	23.29632	0.73073	0.22998	0.37396	0.73073	0.22963	0.37349	5.21311	20.41023	0.73553	0.25529	0.40674	0.73553	0.25491	0.40627
88	37	5.36023	23.12089	0.73073	0.23172	0.37626	0.73073	0.23134	0.37576	5.21311	20.28745	0.73553	0.25683	0.40869	0.73553	0.25643	0.40819
88	38	5.36023	22.93911	0.73073	0.23355	0.37866	0.73073	0.23315	0.37813	5.21311	20.15926	0.73553	0.25845	0.41074	0.73553	0.25803	0.41021
88	39	5.36023	22.75087	0.73073	0.23547	0.38119	0.73073	0.23505	0.38063	5.21311	20.02555	0.73553	0.26017	0.41291	0.73553	0.25972	0.41234
88	40	5.36023	22.55572	0.73073	0.23750	0.38384	0.73073	0.23704	0.38324	5.21311	19.88587	0.73553	0.26198	0.41519	0.73553	0.26150	0.41459
88	41	5.36023	22.35340	0.73073	0.23964	0.38663	0.73073	0.23914	0.38598	5.21311	19.73995	0.73553	0.26390	0.41760	0.73553	0.26339	0.41696
88	42	5.36023	22.14385	0.73073	0.24189	0.38955	0.73073	0.24136	0.38886	5.21311	19.58769	0.73553	0.26594	0.42015	0.73553	0.26538	0.41945
88	43	5.36023	21.92669	0.73073	0.24427	0.39263	0.73073	0.24368	0.39188	5.21311	19.42870	0.73553	0.26810	0.42283	0.73553	0.26749	0.42208
88	44	5.36023	21.70178	0.73073	0.24678	0.39587	0.73073	0.24614	0.39504	5.21311	19.26280	0.73553	0.27038	0.42567	0.73553	0.26972	0.42485
88	45	5.36023	21.46876	0.73073	0.24944	0.39928	0.73073	0.24872	0.39836	5.21311	19.08963	0.73553	0.27281	0.42867	0.73553	0.27207	0.42776
88	46	5.36023	21.22763	0.73073	0.25224	0.40286	0.73073	0.25144	0.40184	5.21311	18.90911	0.73553	0.27538	0.43184	0.73553	0.27455	0.43082
88	47	5.36023	20.97813	0.73073	0.25520	0.40663	0.73073	0.25430	0.40548	5.21311	18.72094	0.73553	0.27811	0.43518	0.73553	0.27718	0.43405
88	48	5.36023	20.72003	0.73073	0.25834	0.41060	0.73073	0.25731	0.40930	5.21311	18.52488	0.73553	0.28100	0.43872	0.73553	0.27995	0.43743
88	49	5.36023	20.45326	0.73073	0.26166	0.41478	0.73073	0.26048	0.41330	5.21311	18.32076	0.73553	0.28407	0.44245	0.73553	0.28287	0.44099

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity Value</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>	<u>Retiree Annuity Value</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>
88	50	5.36023	20.17742	0.73073	0.26517	0.41918	0.73073	0.26382	0.41749	5.21311	18.10816	0.73553	0.28733	0.44640	0.73553	0.28595	0.44473
88	51	5.36023	19.89339	0.73073	0.26888	0.42380	0.73073	0.26733	0.42188	5.21311	17.88781	0.73553	0.29079	0.45056	0.73553	0.28920	0.44866
88	52	5.36023	19.60122	0.73073	0.27280	0.42866	0.73073	0.27102	0.42647	5.21311	17.65967	0.73553	0.29444	0.45494	0.73553	0.29264	0.45277
88	53	5.36023	19.30125	0.73073	0.27694	0.43376	0.73073	0.27492	0.43127	5.21311	17.42398	0.73553	0.29832	0.45954	0.73553	0.29626	0.45710
88	54	5.36023	18.99375	0.73073	0.28131	0.43910	0.73073	0.27902	0.43630	5.21311	17.18091	0.73553	0.30241	0.46439	0.73553	0.30009	0.46164
88	55	5.36023	18.67912	0.73073	0.28593	0.44471	0.73073	0.28335	0.44158	5.21311	16.93076	0.73553	0.30675	0.46948	0.73553	0.30413	0.46641
88	56	5.36023	18.35803	0.73073	0.29080	0.45058	0.73073	0.28792	0.44711	5.21311	16.67407	0.73553	0.31133	0.47483	0.73553	0.30841	0.47143
88	57	5.36023	18.02853	0.73073	0.29597	0.45675	0.73073	0.29276	0.45292	5.21311	16.40902	0.73553	0.31620	0.48047	0.73553	0.31295	0.47672
88	58	5.36023	17.69065	0.73073	0.30145	0.46326	0.73073	0.29788	0.45902	5.21311	16.13552	0.73553	0.32137	0.48642	0.73553	0.31777	0.48228
88	59	5.36023	17.34441	0.73073	0.30728	0.47011	0.73073	0.30330	0.46543	5.21311	15.85354	0.73553	0.32688	0.49271	0.73553	0.32287	0.48814
88	60	5.36023	16.98967	0.73073	0.31347	0.47732	0.73073	0.30904	0.47216	5.21311	15.56284	0.73553	0.33275	0.49934	0.73553	0.32829	0.49431
88	61	5.36023	16.62627	0.73073	0.32007	0.48493	0.73073	0.31513	0.47924	5.21311	15.26320	0.73553	0.33901	0.50636	0.73553	0.33405	0.50081
88	62	5.36023	16.25423	0.73073	0.32710	0.49295	0.73073	0.32158	0.48666	5.21311	14.95454	0.73553	0.34568	0.51377	0.73553	0.34017	0.50765
88	63	5.36023	15.87341	0.73073	0.33459	0.50141	0.73073	0.32843	0.49447	5.21311	14.63664	0.73553	0.35282	0.52160	0.73553	0.34667	0.51485
88	64	5.36023	15.48353	0.73073	0.34260	0.51035	0.73073	0.33570	0.50266	5.21311	14.30913	0.73553	0.36045	0.52990	0.73553	0.35358	0.52243
88	65	5.36023	15.08480	0.73073	0.35115	0.51978	0.73073	0.34341	0.51125	5.21311	13.97213	0.73553	0.36861	0.53867	0.73553	0.36091	0.53040
88	66	5.36023	14.67724	0.73073	0.36030	0.52973	0.73073	0.35158	0.52025	5.21311	13.62552	0.73553	0.37736	0.54794	0.73553	0.36871	0.53877
88	67	5.36023	14.26104	0.73073	0.37008	0.54023	0.73073	0.36024	0.52967	5.21311	13.26940	0.73553	0.38672	0.55775	0.73553	0.37698	0.54754
88	68	5.36023	13.83657	0.73073	0.38055	0.55131	0.73073	0.36942	0.53953	5.21311	12.90401	0.73553	0.39675	0.56811	0.73553	0.38575	0.55674
88	69	5.36023	13.40435	0.73073	0.39176	0.56297	0.73073	0.37913	0.54981	5.21311	12.52973	0.73553	0.40750	0.57904	0.73553	0.39505	0.56636
88	70	5.36023	12.96501	0.73073	0.40373	0.57523	0.73073	0.38940	0.56053	5.21311	12.14706	0.73553	0.41899	0.59055	0.73553	0.40488	0.57639
88	71	5.36023	12.51927	0.73073	0.41653	0.58810	0.73073	0.40024	0.57167	5.21311	11.75658	0.73553	0.43129	0.60265	0.73553	0.41528	0.58685
88	72	5.36023	12.06792	0.73073	0.43019	0.60159	0.73073	0.41167	0.58324	5.21311	11.35893	0.73553	0.44442	0.61536	0.73553	0.42626	0.59773
88	73	5.36023	11.61185	0.73073	0.44476	0.61569	0.73073	0.42371	0.59522	5.21311	10.95491	0.73553	0.45843	0.62866	0.73553	0.43783	0.60901
88	74	5.36023	11.15217	0.73073	0.46026	0.63039	0.73073	0.43637	0.60760	5.21311	10.54549	0.73553	0.47335	0.64255	0.73553	0.45000	0.62069
88	75	5.36023	10.68986	0.73073	0.47674	0.64567	0.73073	0.44964	0.62035	5.21311	10.13154	0.73553	0.48922	0.65701	0.73553	0.46277	0.63273
88	76	5.36023	10.22626	0.73073	0.49420	0.66149	0.73073	0.46353	0.63344	5.21311	9.71428	0.73553	0.50603	0.67201	0.73553	0.47615	0.64512
88	77	5.36023	9.76277	0.73073	0.51264	0.67780	0.73073	0.47802	0.64684	5.21311	9.29502	0.73553	0.52380	0.68749	0.73553	0.49012	0.65782
88	78	5.36023	9.30064	0.73073	0.53204	0.69455	0.73073	0.49309	0.66050	5.21311	8.87492	0.73553	0.54251	0.70341	0.73553	0.50466	0.67080
88	79	5.36023	8.84103	0.73073	0.55240	0.71167	0.73073	0.50873	0.67438	5.21311	8.45509	0.73553	0.56214	0.71971	0.73553	0.51975	0.68399
88	80	5.36023	8.38551	0.73073	0.57363	0.72905	0.73073	0.52488	0.68842	5.21311	8.03703	0.73553	0.58263	0.73628	0.73553	0.53535	0.69736
88	81	5.36023	7.93532	0.73073	0.59567	0.74661	0.73073	0.54149	0.70255	5.21311	7.62196	0.73553	0.60391	0.75305	0.73553	0.55140	0.71085
88	82	5.36023	7.49211	0.73073	0.61839	0.76421	0.73073	0.55850	0.71671	5.21311	7.21152	0.73553	0.62586	0.76988	0.73553	0.56786	0.72438
88	83	5.36023	7.05756	0.73073	0.64165	0.78172	0.73073	0.57584	0.73083	5.21311	6.80735	0.73553	0.64835	0.78666	0.73553	0.58464	0.73788
88	84	5.36023	6.63342	0.73073	0.66526	0.79899	0.73073	0.59341	0.74483	5.21311	6.41122	0.73553	0.67119	0.80325	0.73553	0.60167	0.75130
88	85	5.36023	6.22156	0.73073	0.68901	0.81588	0.73073	0.61113	0.75864	5.21311	6.02503	0.73553	0.69419	0.81950	0.73553	0.61884	0.76455
88	86	5.36023	5.82374	0.73073	0.71265	0.83222	0.73073	0.62888	0.77217	5.21311	5.65055	0.73553	0.71711	0.83525	0.73553	0.63606	0.77755
88	87	5.36023	5.44155	0.73073	0.73594	0.84789	0.73073	0.64656	0.78535	5.21311	5.28949	0.73553	0.73972	0.85039	0.73553	0.65322	0.79024
88	88	5.36023	5.07613	0.73073	0.75865	0.86276	0.73073	0.66407	0.79812	5.21311	4.94306	0.73553	0.76179	0.86479	0.73553	0.67022	0.80255
88	89	5.36023	4.72862	0.73073	0.78054	0.87675	0.73073	0.68128	0.81043	5.21311	4.61250	0.73553	0.78310	0.87836	0.73553	0.68695	0.81443
88	90	5.36023	4.40007	0.73073	0.80141	0.88976	0.73073	0.69812	0.82223	5.21311	4.29901	0.73553	0.80344	0.89101	0.73553	0.70333	0.82583

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
Retiree	Beneficiary	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
88	91	5.36023	4.09149	0.73073	0.82106	0.90174	0.73073	0.71448	0.83347	5.21311	4.00370	0.73553	0.82263	0.90268	0.73553	0.71925	0.83670
88	92	5.36023	3.80354	0.73073	0.83937	0.91267	0.73073	0.73030	0.84413	5.21311	3.72738	0.73553	0.84054	0.91336	0.73553	0.73466	0.84704
88	93	5.36023	3.53621	0.73073	0.85625	0.92256	0.73073	0.74553	0.85422	5.21311	3.47020	0.73553	0.85708	0.92304	0.73553	0.74950	0.85682
88	94	5.36023	3.28870	0.73073	0.87171	0.93146	0.73073	0.76012	0.86371	5.21311	3.23152	0.73553	0.87225	0.93177	0.73553	0.76374	0.86604
88	95	5.36023	3.05955	0.73073	0.88576	0.93942	0.73073	0.77404	0.87263	5.21311	3.01004	0.73553	0.88608	0.93960	0.73553	0.77733	0.87472
88	96	5.36023	2.84646	0.73073	0.89849	0.94653	0.73073	0.78724	0.88096	5.21311	2.80360	0.73553	0.89862	0.94660	0.73553	0.79023	0.88282
88	97	5.36023	2.65226	0.73073	0.90981	0.95278	0.73073	0.79967	0.88868	5.21311	2.61510	0.73553	0.90981	0.95277	0.73553	0.80238	0.89035
88	98	5.36023	2.47567	0.73073	0.91985	0.95825	0.73073	0.81133	0.89584	5.21311	2.44340	0.73553	0.91973	0.95819	0.73553	0.81379	0.89734
88	99	5.36023	2.31535	0.73073	0.92870	0.96303	0.73073	0.82226	0.90246	5.21311	2.28724	0.73553	0.92850	0.96292	0.73553	0.82449	0.90380
88	100	5.36023	2.16976	0.73073	0.93649	0.96721	0.73073	0.83247	0.90858	5.21311	2.14523	0.73553	0.93624	0.96707	0.73553	0.83450	0.90978
88	101	5.36023	2.03734	0.73073	0.94335	0.97085	0.73073	0.84200	0.91423	5.21311	2.01587	0.73553	0.94306	0.97069	0.73553	0.84385	0.91531
88	102	5.36023	1.91714	0.73073	0.94936	0.97402	0.73073	0.85086	0.91942	5.21311	1.89830	0.73553	0.94904	0.97385	0.73553	0.85254	0.92040
88	103	5.36023	1.80800	0.73073	0.95462	0.97678	0.73073	0.85907	0.92419	5.21311	1.79140	0.73553	0.95429	0.97661	0.73553	0.86060	0.92508
88	104	5.36023	1.70943	0.73073	0.95920	0.97917	0.73073	0.86662	0.92854	5.21311	1.69474	0.73553	0.95886	0.97900	0.73553	0.86803	0.92935
88	105	5.36023	1.62048	0.73073	0.96317	0.98124	0.73073	0.87352	0.93249	5.21311	1.60741	0.73553	0.96283	0.98107	0.73553	0.87481	0.93323
88	106	5.36023	1.54080	0.73073	0.96658	0.98301	0.73073	0.87973	0.93601	5.21311	1.52911	0.73553	0.96625	0.98284	0.73553	0.88093	0.93670
88	107	5.36023	1.47009	0.73073	0.96947	0.98450	0.73073	0.88519	0.93910	5.21311	1.45954	0.73553	0.96915	0.98433	0.73553	0.88631	0.93973
88	108	5.36023	1.40861	0.73073	0.97185	0.98572	0.73073	0.88978	0.94168	5.21311	1.39898	0.73553	0.97154	0.98557	0.73553	0.89085	0.94228
88	109	5.36023	1.35764	0.73073	0.97370	0.98667	0.73073	0.89334	0.94367	5.21311	1.34871	0.73553	0.97340	0.98652	0.73553	0.89437	0.94424
88	110	5.36023	1.32125	0.73073	0.97494	0.98731	0.73073	0.89574	0.94500	5.21311	1.31279	0.73553	0.97466	0.98717	0.73553	0.89674	0.94556
89	1	4.99646	26.72925	0.71545	0.18691	0.31496	0.71545	0.18684	0.31486	4.86796	22.57586	0.72040	0.21561	0.35473	0.72040	0.21553	0.35463
89	2	4.99646	26.68154	0.71545	0.18725	0.31543	0.71545	0.18719	0.31535	4.86796	22.55058	0.72040	0.21585	0.35506	0.72040	0.21578	0.35497
89	3	4.99646	26.63112	0.71545	0.18760	0.31594	0.71545	0.18755	0.31585	4.86796	22.52338	0.72040	0.21611	0.35541	0.72040	0.21605	0.35533
89	4	4.99646	26.57806	0.71545	0.18798	0.31647	0.71545	0.18792	0.31639	4.86796	22.49433	0.72040	0.21639	0.35579	0.72040	0.21633	0.35571
89	5	4.99646	26.52283	0.71545	0.18837	0.31702	0.71545	0.18831	0.31694	4.86796	22.46379	0.72040	0.21669	0.35619	0.72040	0.21662	0.35610
89	6	4.99646	26.46539	0.71545	0.18878	0.31760	0.71545	0.18872	0.31752	4.86796	22.43176	0.72040	0.21699	0.35661	0.72040	0.21693	0.35652
89	7	4.99646	26.40551	0.71545	0.18921	0.31821	0.71545	0.18914	0.31812	4.86796	22.39806	0.72040	0.21732	0.35705	0.72040	0.21725	0.35696
89	8	4.99646	26.34335	0.71545	0.18965	0.31884	0.71545	0.18959	0.31874	4.86796	22.36278	0.72040	0.21766	0.35751	0.72040	0.21759	0.35741
89	9	4.99646	26.27867	0.71545	0.19012	0.31949	0.71545	0.19005	0.31939	4.86796	22.32575	0.72040	0.21802	0.35799	0.72040	0.21795	0.35789
89	10	4.99646	26.21121	0.71545	0.19060	0.32018	0.71545	0.19053	0.32007	4.86796	22.28674	0.72040	0.21840	0.35850	0.72040	0.21832	0.35839
89	11	4.99646	26.14141	0.71545	0.19111	0.32090	0.71545	0.19102	0.32077	4.86796	22.24611	0.72040	0.21880	0.35904	0.72040	0.21870	0.35891
89	12	4.99646	26.06892	0.71545	0.19164	0.32164	0.71545	0.19154	0.32150	4.86796	22.20360	0.72040	0.21921	0.35960	0.72040	0.21911	0.35945
89	13	4.99646	25.99388	0.71545	0.19219	0.32242	0.71545	0.19208	0.32226	4.86796	22.15929	0.72040	0.21965	0.36018	0.72040	0.21953	0.36002
89	14	4.99646	25.91617	0.71545	0.19276	0.32322	0.71545	0.19264	0.32304	4.86796	22.11310	0.72040	0.22010	0.36079	0.72040	0.21996	0.36061
89	15	4.99646	25.83587	0.71545	0.19336	0.32406	0.71545	0.19322	0.32386	4.86796	22.06509	0.72040	0.22057	0.36143	0.72040	0.22042	0.36122
89	16	4.99646	25.75319	0.71545	0.19398	0.32492	0.71545	0.19382	0.32470	4.86796	22.01544	0.72040	0.22107	0.36209	0.72040	0.22090	0.36186
89	17	4.99646	25.66857	0.71545	0.19461	0.32582	0.71545	0.19445	0.32558	4.86796	21.96453	0.72040	0.22158	0.36277	0.72040	0.22140	0.36253
89	18	4.99646	25.58235	0.71545	0.19527	0.32674	0.71545	0.19510	0.32651	4.86796	21.91267	0.72040	0.22210	0.36348	0.72040	0.22192	0.36324
89	19	4.99646	25.49361	0.71545	0.19595	0.32769	0.71545	0.19579	0.32747	4.86796	21.85907	0.72040	0.22265	0.36421	0.72040	0.22248	0.36398
89	20	4.99646	25.40164	0.71545	0.19666	0.32868	0.71545	0.19652	0.32848	4.86796	21.80312	0.72040	0.22322	0.36498	0.72040	0.22306	0.36476
89	21	4.99646	25.30562	0.71545	0.19741	0.32973	0.71545	0.19727	0.32954	4.86796	21.74411	0.72040	0.22383	0.36579	0.72040	0.22369	0.36559

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
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PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>	<u>Retiree Annuity</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>
89	22	4.99646	25.20517	0.71545	0.19820	0.33083	0.71545	0.19807	0.33065	4.86796	21.68171	0.72040	0.22448	0.36665	0.72040	0.22434	0.36647
89	23	4.99646	25.09967	0.71545	0.19903	0.33199	0.71545	0.19891	0.33181	4.86796	21.61537	0.72040	0.22517	0.36757	0.72040	0.22503	0.36739
89	24	4.99646	24.98936	0.71545	0.19991	0.33321	0.71545	0.19978	0.33303	4.86796	21.54528	0.72040	0.22590	0.36855	0.72040	0.22576	0.36836
89	25	4.99646	24.87419	0.71545	0.20083	0.33449	0.71545	0.20070	0.33430	4.86796	21.47137	0.72040	0.22668	0.36958	0.72040	0.22653	0.36938
89	26	4.99646	24.75420	0.71545	0.20180	0.33584	0.71545	0.20165	0.33563	4.86796	21.39367	0.72040	0.22749	0.37067	0.72040	0.22733	0.37045
89	27	4.99646	24.62994	0.71545	0.20282	0.33724	0.71545	0.20265	0.33701	4.86796	21.31262	0.72040	0.22836	0.37181	0.72040	0.22818	0.37157
89	28	4.99646	24.50119	0.71545	0.20388	0.33871	0.71545	0.20370	0.33846	4.86796	21.22800	0.72040	0.22926	0.37301	0.72040	0.22907	0.37275
89	29	4.99646	24.36788	0.71545	0.20499	0.34024	0.71545	0.20479	0.33997	4.86796	21.13984	0.72040	0.23021	0.37426	0.72040	0.23000	0.37399
89	30	4.99646	24.23009	0.71545	0.20615	0.34184	0.71545	0.20594	0.34154	4.86796	21.04806	0.72040	0.23121	0.37558	0.72040	0.23098	0.37528
89	31	4.99646	24.08752	0.71545	0.20737	0.34351	0.71545	0.20714	0.34319	4.86796	20.95246	0.72040	0.23226	0.37697	0.72040	0.23202	0.37664
89	32	4.99646	23.94006	0.71545	0.20864	0.34525	0.71545	0.20840	0.34491	4.86796	20.85289	0.72040	0.23336	0.37842	0.72040	0.23310	0.37807
89	33	4.99646	23.78740	0.71545	0.20998	0.34708	0.71545	0.20971	0.34672	4.86796	20.74907	0.72040	0.23453	0.37994	0.72040	0.23425	0.37958
89	34	4.99646	23.62942	0.71545	0.21138	0.34898	0.71545	0.21110	0.34860	4.86796	20.64088	0.72040	0.23575	0.38155	0.72040	0.23545	0.38116
89	35	4.99646	23.46579	0.71545	0.21284	0.35098	0.71545	0.21255	0.35058	4.86796	20.52800	0.72040	0.23704	0.38324	0.72040	0.23673	0.38283
89	36	4.99646	23.29632	0.71545	0.21439	0.35308	0.71545	0.21407	0.35265	4.86796	20.41023	0.72040	0.23840	0.38502	0.72040	0.23807	0.38458
89	37	4.99646	23.12089	0.71545	0.21601	0.35528	0.71545	0.21567	0.35482	4.86796	20.28745	0.72040	0.23984	0.38689	0.72040	0.23949	0.38643
89	38	4.99646	22.93911	0.71545	0.21771	0.35758	0.71545	0.21736	0.35710	4.86796	20.15926	0.72040	0.24136	0.38886	0.72040	0.24098	0.38837
89	39	4.99646	22.75087	0.71545	0.21951	0.36000	0.71545	0.21913	0.35949	4.86796	20.02555	0.72040	0.24296	0.39094	0.72040	0.24256	0.39042
89	40	4.99646	22.55572	0.71545	0.22140	0.36254	0.71545	0.22100	0.36199	4.86796	19.88587	0.72040	0.24466	0.39313	0.72040	0.24423	0.39258
89	41	4.99646	22.35340	0.71545	0.22340	0.36521	0.71545	0.22296	0.36462	4.86796	19.73995	0.72040	0.24646	0.39545	0.72040	0.24600	0.39486
89	42	4.99646	22.14385	0.71545	0.22550	0.36801	0.71545	0.22503	0.36738	4.86796	19.58769	0.72040	0.24836	0.39790	0.72040	0.24787	0.39726
89	43	4.99646	21.92669	0.71545	0.22772	0.37096	0.71545	0.22720	0.37028	4.86796	19.42870	0.72040	0.25038	0.40048	0.72040	0.24984	0.39979
89	44	4.99646	21.70178	0.71545	0.23006	0.37407	0.71545	0.22950	0.37332	4.86796	19.26280	0.72040	0.25251	0.40321	0.72040	0.25193	0.40246
89	45	4.99646	21.46876	0.71545	0.23254	0.37734	0.71545	0.23191	0.37651	4.86796	19.08963	0.72040	0.25478	0.40610	0.72040	0.25413	0.40527
89	46	4.99646	21.22763	0.71545	0.23516	0.38078	0.71545	0.23446	0.37985	4.86796	18.90911	0.72040	0.25719	0.40915	0.72040	0.25646	0.40823
89	47	4.99646	20.97813	0.71545	0.23793	0.38440	0.71545	0.23713	0.38336	4.86796	18.72094	0.72040	0.25974	0.41237	0.72040	0.25892	0.41134
89	48	4.99646	20.72003	0.71545	0.24086	0.38821	0.71545	0.23996	0.38704	4.86796	18.52488	0.72040	0.26245	0.41578	0.72040	0.26152	0.41461
89	49	4.99646	20.45326	0.71545	0.24395	0.39222	0.71545	0.24293	0.39089	4.86796	18.32076	0.72040	0.26533	0.41938	0.72040	0.26427	0.41806
89	50	4.99646	20.17742	0.71545	0.24724	0.39646	0.71545	0.24605	0.39493	4.86796	18.10816	0.72040	0.26838	0.42319	0.72040	0.26716	0.42167
89	51	4.99646	19.89339	0.71545	0.25071	0.40090	0.71545	0.24934	0.39916	4.86796	17.88781	0.72040	0.27162	0.42720	0.72040	0.27022	0.42547
89	52	4.99646	19.60122	0.71545	0.25437	0.40558	0.71545	0.25281	0.40359	4.86796	17.65967	0.72040	0.27505	0.43143	0.72040	0.27345	0.42946
89	53	4.99646	19.30125	0.71545	0.25825	0.41049	0.71545	0.25646	0.40823	4.86796	17.42398	0.72040	0.27868	0.43588	0.72040	0.27685	0.43365
89	54	4.99646	18.99375	0.71545	0.26234	0.41564	0.71545	0.26031	0.41309	4.86796	17.18091	0.72040	0.28252	0.44057	0.72040	0.28045	0.43805
89	55	4.99646	18.67912	0.71545	0.26666	0.42104	0.71545	0.26437	0.41819	4.86796	16.93076	0.72040	0.28659	0.44550	0.72040	0.28425	0.44268
89	56	4.99646	18.35803	0.71545	0.27122	0.42671	0.71545	0.26866	0.42354	4.86796	16.67407	0.72040	0.29088	0.45067	0.72040	0.28828	0.44755
89	57	4.99646	18.02853	0.71545	0.27606	0.43267	0.71545	0.27321	0.42916	4.86796	16.40902	0.72040	0.29545	0.45614	0.72040	0.29256	0.45268
89	58	4.99646	17.69065	0.71545	0.28119	0.43895	0.71545	0.27802	0.43508	4.86796	16.13552	0.72040	0.30031	0.46191	0.72040	0.29709	0.45809
89	59	4.99646	17.34441	0.71545	0.28665	0.44558	0.71545	0.28311	0.44129	4.86796	15.85354	0.72040	0.30548	0.46800	0.72040	0.30190	0.46379
89	60	4.99646	16.98967	0.71545	0.29246	0.45256	0.71545	0.28852	0.44783	4.86796	15.56284	0.72040	0.31100	0.47444	0.72040	0.30702	0.46980
89	61	4.99646	16.62627	0.71545	0.29864	0.45993	0.71545	0.29425	0.45470	4.86796	15.26320	0.72040	0.31688	0.48126	0.72040	0.31245	0.47613
89	62	4.99646	16.25423	0.71545	0.30524	0.46771	0.71545	0.30034	0.46194	4.86796	14.95454	0.72040	0.32316	0.48847	0.72040	0.31823	0.48282

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
Retiree	Beneficiary	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Age	Age	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor
89	63	4.99646	15.87341	0.71545	0.31228	0.47594	0.71545	0.30680	0.46954	4.86796	14.63664	0.72040	0.32988	0.49610	0.72040	0.32438	0.48986
89	64	4.99646	15.48353	0.71545	0.31981	0.48463	0.71545	0.31367	0.47754	4.86796	14.30913	0.72040	0.33707	0.50419	0.72040	0.33092	0.49728
89	65	4.99646	15.08480	0.71545	0.32786	0.49382	0.71545	0.32096	0.48595	4.86796	13.97213	0.72040	0.34478	0.51276	0.72040	0.33788	0.50510
89	66	4.99646	14.67724	0.71545	0.33648	0.50353	0.71545	0.32870	0.49477	4.86796	13.62552	0.72040	0.35304	0.52184	0.72040	0.34528	0.51332
89	67	4.99646	14.26104	0.71545	0.34571	0.51380	0.71545	0.33692	0.50403	4.86796	13.26940	0.72040	0.36190	0.53146	0.72040	0.35315	0.52197
89	68	4.99646	13.83657	0.71545	0.35561	0.52465	0.71545	0.34565	0.51373	4.86796	12.90401	0.72040	0.37140	0.54164	0.72040	0.36151	0.53104
89	69	4.99646	13.40435	0.71545	0.36621	0.53610	0.71545	0.35490	0.52388	4.86796	12.52973	0.72040	0.38160	0.55240	0.72040	0.37039	0.54056
89	70	4.99646	12.96501	0.71545	0.37757	0.54817	0.71545	0.36470	0.53448	4.86796	12.14706	0.72040	0.39253	0.56376	0.72040	0.37980	0.55051
89	71	4.99646	12.51927	0.71545	0.38974	0.56088	0.71545	0.37507	0.54553	4.86796	11.75658	0.72040	0.40424	0.57575	0.72040	0.38977	0.56092
89	72	4.99646	12.06792	0.71545	0.40276	0.57424	0.71545	0.38604	0.55704	4.86796	11.35893	0.72040	0.41679	0.58836	0.72040	0.40033	0.57176
89	73	4.99646	11.61185	0.71545	0.41668	0.58825	0.71545	0.39762	0.56900	4.86796	10.95491	0.72040	0.43022	0.60161	0.72040	0.41148	0.58305
89	74	4.99646	11.15217	0.71545	0.43154	0.60291	0.71545	0.40983	0.58139	4.86796	10.54549	0.72040	0.44456	0.61549	0.72040	0.42325	0.59476
89	75	4.99646	10.68986	0.71545	0.44739	0.61820	0.71545	0.42268	0.59420	4.86796	10.13154	0.72040	0.45986	0.63000	0.72040	0.43564	0.60689
89	76	4.99646	10.22626	0.71545	0.46425	0.63411	0.71545	0.43616	0.60740	4.86796	9.71428	0.72040	0.47614	0.64511	0.72040	0.44865	0.61941
89	77	4.99646	9.76277	0.71545	0.48214	0.65060	0.71545	0.45029	0.62096	4.86796	9.29502	0.72040	0.49341	0.66078	0.72040	0.46230	0.63229
89	78	4.99646	9.30064	0.71545	0.50105	0.66760	0.71545	0.46504	0.63485	4.86796	8.87492	0.72040	0.51169	0.67698	0.72040	0.47655	0.64550
89	79	4.99646	8.84103	0.71545	0.52099	0.68507	0.71545	0.48040	0.64901	4.86796	8.45509	0.72040	0.53097	0.69363	0.72040	0.49141	0.65899
89	80	4.99646	8.38551	0.71545	0.54192	0.70291	0.71545	0.49633	0.66340	4.86796	8.03703	0.72040	0.55120	0.71067	0.72040	0.50683	0.67271
89	81	4.99646	7.93532	0.71545	0.56377	0.72104	0.71545	0.51279	0.67794	4.86796	7.62196	0.72040	0.57234	0.72801	0.72040	0.52278	0.68661
89	82	4.99646	7.49211	0.71545	0.58646	0.73933	0.71545	0.52974	0.69259	4.86796	7.21152	0.72040	0.59430	0.74553	0.72040	0.53919	0.70062
89	83	4.99646	7.05756	0.71545	0.60985	0.75765	0.71545	0.54709	0.70725	4.86796	6.80735	0.72040	0.61695	0.76311	0.72040	0.55601	0.71466
89	84	4.99646	6.63342	0.71545	0.63378	0.77584	0.71545	0.56476	0.72185	4.86796	6.41122	0.72040	0.64014	0.78059	0.72040	0.57316	0.72868
89	85	4.99646	6.22156	0.71545	0.65804	0.79376	0.71545	0.58267	0.73631	4.86796	6.02503	0.72040	0.66367	0.79784	0.72040	0.59055	0.74257
89	86	4.99646	5.82374	0.71545	0.68240	0.81122	0.71545	0.60070	0.75055	4.86796	5.65055	0.72040	0.68731	0.81468	0.72040	0.60807	0.75627
89	87	4.99646	5.44155	0.71545	0.70661	0.82809	0.71545	0.61875	0.76448	4.86796	5.28949	0.72040	0.71083	0.83098	0.72040	0.62561	0.76969
89	88	4.99646	5.07613	0.71545	0.73042	0.84421	0.71545	0.63672	0.77804	4.86796	4.94306	0.72040	0.73399	0.84659	0.72040	0.64308	0.78278
89	89	4.99646	4.72862	0.71545	0.75358	0.85947	0.71545	0.65447	0.79116	4.86796	4.61250	0.72040	0.75654	0.86140	0.72040	0.66037	0.79545
89	90	4.99646	4.40007	0.71545	0.77584	0.87378	0.71545	0.67192	0.80377	4.86796	4.29901	0.72040	0.77825	0.87530	0.72040	0.67736	0.80765
89	91	4.99646	4.09149	0.71545	0.79700	0.88704	0.71545	0.68896	0.81584	4.86796	4.00370	0.72040	0.79891	0.88822	0.72040	0.69396	0.81934
89	92	4.99646	3.80354	0.71545	0.81688	0.89921	0.71545	0.70552	0.82733	4.86796	3.72738	0.72040	0.81835	0.90010	0.72040	0.71010	0.83048
89	93	4.99646	3.53621	0.71545	0.83536	0.91029	0.71545	0.72152	0.83823	4.86796	3.47020	0.72040	0.83645	0.91094	0.72040	0.72572	0.84106
89	94	4.99646	3.28870	0.71545	0.85240	0.92032	0.71545	0.73692	0.84854	4.86796	3.23152	0.72040	0.85317	0.92077	0.72040	0.74076	0.85107
89	95	4.99646	3.05955	0.71545	0.86801	0.92934	0.71545	0.75168	0.85824	4.86796	3.01004	0.72040	0.86852	0.92963	0.72040	0.75518	0.86051
89	96	4.99646	2.84646	0.71545	0.88225	0.93744	0.71545	0.76573	0.86733	4.86796	2.80360	0.72040	0.88255	0.93761	0.72040	0.76892	0.86937
89	97	4.99646	2.65226	0.71545	0.89501	0.94460	0.71545	0.77901	0.87578	4.86796	2.61510	0.72040	0.89513	0.94466	0.72040	0.78191	0.87761
89	98	4.99646	2.47567	0.71545	0.90637	0.95089	0.71545	0.79152	0.88363	4.86796	2.44340	0.72040	0.90636	0.95088	0.72040	0.79416	0.88527
89	99	4.99646	2.31535	0.71545	0.91646	0.95641	0.71545	0.80328	0.89091	4.86796	2.28724	0.72040	0.91634	0.95634	0.72040	0.80568	0.89239
89	100	4.99646	2.16976	0.71545	0.92538	0.96124	0.71545	0.81431	0.89765	4.86796	2.14523	0.72040	0.92518	0.96114	0.72040	0.81650	0.89898
89	101	4.99646	2.03734	0.71545	0.93326	0.96548	0.71545	0.82463	0.90389	4.86796	2.01587	0.72040	0.93301	0.96535	0.72040	0.82662	0.90508
89	102	4.99646	1.91714	0.71545	0.94020	0.96918	0.71545	0.83425	0.90963	4.86796	1.89830	0.72040	0.93991	0.96903	0.72040	0.83607	0.91072
89	103	4.99646	1.80800	0.71545	0.94630	0.97241	0.71545	0.84319	0.91492	4.86796	1.79140	0.72040	0.94599	0.97225	0.72040	0.84485	0.91590

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
89	104	4.99646	1.70943	0.71545	0.95163	0.97522	0.71545	0.85143	0.91975	4.86796	1.69474	0.72040	0.95130	0.97504	0.72040	0.85296	0.92065
89	105	4.99646	1.62048	0.71545	0.95627	0.97764	0.71545	0.85898	0.92414	4.86796	1.60741	0.72040	0.95594	0.97747	0.72040	0.86040	0.92496
89	106	4.99646	1.54080	0.71545	0.96026	0.97973	0.71545	0.86580	0.92807	4.86796	1.52911	0.72040	0.95993	0.97956	0.72040	0.86712	0.92883
89	107	4.99646	1.47009	0.71545	0.96365	0.98149	0.71545	0.87181	0.93151	4.86796	1.45954	0.72040	0.96333	0.98132	0.72040	0.87305	0.93222
89	108	4.99646	1.40861	0.71545	0.96645	0.98294	0.71545	0.87688	0.93440	4.86796	1.39898	0.72040	0.96614	0.98278	0.72040	0.87805	0.93507
89	109	4.99646	1.35764	0.71545	0.96863	0.98407	0.71545	0.88081	0.93663	4.86796	1.34871	0.72040	0.96833	0.98391	0.72040	0.88194	0.93727
89	110	4.99646	1.32125	0.71545	0.97010	0.98483	0.71545	0.88346	0.93813	4.86796	1.31279	0.72040	0.96981	0.98467	0.72040	0.88456	0.93875
90	1	4.65030	26.72925	0.69813	0.17396	0.29637	0.69813	0.17390	0.29628	4.53842	22.57586	0.70250	0.20101	0.33474	0.70250	0.20094	0.33464
90	2	4.65030	26.68154	0.69813	0.17428	0.29682	0.69813	0.17422	0.29675	4.53842	22.55058	0.70250	0.20124	0.33505	0.70250	0.20118	0.33497
90	3	4.65030	26.63112	0.69813	0.17461	0.29730	0.69813	0.17456	0.29723	4.53842	22.52338	0.70250	0.20148	0.33539	0.70250	0.20143	0.33531
90	4	4.65030	26.57806	0.69813	0.17496	0.29781	0.69813	0.17491	0.29774	4.53842	22.49433	0.70250	0.20174	0.33575	0.70250	0.20169	0.33568
90	5	4.65030	26.52283	0.69813	0.17532	0.29834	0.69813	0.17527	0.29826	4.53842	22.46379	0.70250	0.20202	0.33613	0.70250	0.20196	0.33606
90	6	4.65030	26.46539	0.69813	0.17570	0.29889	0.69813	0.17565	0.29881	4.53842	22.43176	0.70250	0.20231	0.33653	0.70250	0.20225	0.33645
90	7	4.65030	26.40551	0.69813	0.17610	0.29946	0.69813	0.17605	0.29939	4.53842	22.39806	0.70250	0.20261	0.33695	0.70250	0.20255	0.33687
90	8	4.65030	26.34335	0.69813	0.17651	0.30006	0.69813	0.17646	0.29998	4.53842	22.36278	0.70250	0.20293	0.33739	0.70250	0.20287	0.33731
90	9	4.65030	26.27867	0.69813	0.17695	0.30069	0.69813	0.17689	0.30060	4.53842	22.32575	0.70250	0.20327	0.33786	0.70250	0.20320	0.33777
90	10	4.65030	26.21121	0.69813	0.17740	0.30134	0.69813	0.17733	0.30125	4.53842	22.28674	0.70250	0.20362	0.33834	0.70250	0.20355	0.33824
90	11	4.65030	26.14141	0.69813	0.17787	0.30203	0.69813	0.17780	0.30192	4.53842	22.24611	0.70250	0.20399	0.33885	0.70250	0.20391	0.33874
90	12	4.65030	26.06892	0.69813	0.17837	0.30273	0.69813	0.17828	0.30261	4.53842	22.20360	0.70250	0.20438	0.33939	0.70250	0.20428	0.33926
90	13	4.65030	25.99388	0.69813	0.17888	0.30347	0.69813	0.17878	0.30333	4.53842	22.15929	0.70250	0.20478	0.33995	0.70250	0.20468	0.33980
90	14	4.65030	25.91617	0.69813	0.17941	0.30424	0.69813	0.17930	0.30408	4.53842	22.11310	0.70250	0.20521	0.34053	0.70250	0.20508	0.34037
90	15	4.65030	25.83587	0.69813	0.17997	0.30504	0.69813	0.17984	0.30485	4.53842	22.06509	0.70250	0.20565	0.34114	0.70250	0.20551	0.34095
90	16	4.65030	25.75319	0.69813	0.18054	0.30586	0.69813	0.18040	0.30566	4.53842	22.01544	0.70250	0.20611	0.34177	0.70250	0.20596	0.34156
90	17	4.65030	25.66857	0.69813	0.18113	0.30671	0.69813	0.18099	0.30650	4.53842	21.96453	0.70250	0.20658	0.34243	0.70250	0.20642	0.34220
90	18	4.65030	25.58235	0.69813	0.18174	0.30759	0.69813	0.18160	0.30737	4.53842	21.91267	0.70250	0.20707	0.34310	0.70250	0.20691	0.34288
90	19	4.65030	25.49361	0.69813	0.18238	0.30849	0.69813	0.18224	0.30829	4.53842	21.85907	0.70250	0.20758	0.34380	0.70250	0.20743	0.34359
90	20	4.65030	25.40164	0.69813	0.18304	0.30944	0.69813	0.18291	0.30925	4.53842	21.80312	0.70250	0.20812	0.34453	0.70250	0.20797	0.34434
90	21	4.65030	25.30562	0.69813	0.18374	0.31044	0.69813	0.18362	0.31026	4.53842	21.74411	0.70250	0.20868	0.34531	0.70250	0.20855	0.34513
90	22	4.65030	25.20517	0.69813	0.18447	0.31148	0.69813	0.18436	0.31132	4.53842	21.68171	0.70250	0.20929	0.34613	0.70250	0.20916	0.34597
90	23	4.65030	25.09967	0.69813	0.18525	0.31259	0.69813	0.18514	0.31243	4.53842	21.61537	0.70250	0.20993	0.34701	0.70250	0.20981	0.34685
90	24	4.65030	24.98936	0.69813	0.18606	0.31375	0.69813	0.18595	0.31359	4.53842	21.54528	0.70250	0.21061	0.34794	0.70250	0.21049	0.34778
90	25	4.65030	24.87419	0.69813	0.18692	0.31497	0.69813	0.18680	0.31480	4.53842	21.47137	0.70250	0.21134	0.34893	0.70250	0.21121	0.34875
90	26	4.65030	24.75420	0.69813	0.18783	0.31625	0.69813	0.18770	0.31607	4.53842	21.39367	0.70250	0.21210	0.34997	0.70250	0.21196	0.34978
90	27	4.65030	24.62994	0.69813	0.18877	0.31759	0.69813	0.18863	0.31739	4.53842	21.31262	0.70250	0.21290	0.35106	0.70250	0.21275	0.35085
90	28	4.65030	24.50119	0.69813	0.18976	0.31899	0.69813	0.18960	0.31877	4.53842	21.22804	0.70250	0.21375	0.35221	0.70250	0.21358	0.35198
90	29	4.65030	24.36788	0.69813	0.19080	0.32045	0.69813	0.19062	0.32021	4.53842	21.13984	0.70250	0.21464	0.35341	0.70250	0.21445	0.35316
90	30	4.65030	24.23009	0.69813	0.19188	0.32198	0.69813	0.19169	0.32171	4.53842	21.04806	0.70250	0.21557	0.35468	0.70250	0.21537	0.35440
90	31	4.65030	24.08752	0.69813	0.19301	0.32357	0.69813	0.19281	0.32328	4.53842	20.95246	0.70250	0.21655	0.35600	0.70250	0.21633	0.35571
90	32	4.65030	23.94006	0.69813	0.19420	0.32523	0.69813	0.19398	0.32493	4.53842	20.85289	0.70250	0.21758	0.35739	0.70250	0.21734	0.35708
90	33	4.65030	23.78740	0.69813	0.19544	0.32697	0.69813	0.19520	0.32665	4.53842	20.74907	0.70250	0.21866	0.35885	0.70250	0.21841	0.35852
90	34	4.65030	23.62942	0.69813	0.19674	0.32879	0.69813	0.19649	0.32845	4.53842	20.64088	0.70250	0.21980	0.36039	0.70250	0.21954	0.36004

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
90	35	4.65030	23.46579	0.69813	0.19811	0.33070	0.69813	0.19785	0.33034	4.53842	20.52800	0.70250	0.22101	0.36201	0.70250	0.22073	0.36163
90	36	4.65030	23.29632	0.69813	0.19955	0.33270	0.69813	0.19927	0.33231	4.53842	20.41023	0.70250	0.22228	0.36371	0.70250	0.22198	0.36331
90	37	4.65030	23.12089	0.69813	0.20106	0.33480	0.69813	0.20076	0.33439	4.53842	20.28745	0.70250	0.22362	0.36550	0.70250	0.22330	0.36508
90	38	4.65030	22.93911	0.69813	0.20264	0.33700	0.69813	0.20233	0.33656	4.53842	20.15926	0.70250	0.22503	0.36739	0.70250	0.22470	0.36695
90	39	4.65030	22.75087	0.69813	0.20432	0.33931	0.69813	0.20398	0.33884	4.53842	20.02555	0.70250	0.22653	0.36938	0.70250	0.22618	0.36891
90	40	4.65030	22.55572	0.69813	0.20608	0.34173	0.69813	0.20572	0.34124	4.53842	19.88587	0.70250	0.22811	0.37148	0.70250	0.22774	0.37099
90	41	4.65030	22.35340	0.69813	0.20793	0.34428	0.69813	0.20755	0.34376	4.53842	19.73995	0.70250	0.22979	0.37371	0.70250	0.22939	0.37317
90	42	4.65030	22.14385	0.69813	0.20989	0.34696	0.69813	0.20948	0.34640	4.53842	19.58769	0.70250	0.23157	0.37605	0.70250	0.23113	0.37548
90	43	4.65030	21.92669	0.69813	0.21196	0.34978	0.69813	0.21151	0.34917	4.53842	19.42870	0.70250	0.23345	0.37853	0.70250	0.23298	0.37791
90	44	4.65030	21.70178	0.69813	0.21415	0.35275	0.69813	0.21365	0.35208	4.53842	19.26280	0.70250	0.23545	0.38115	0.70250	0.23493	0.38047
90	45	4.65030	21.46876	0.69813	0.21646	0.35588	0.69813	0.21591	0.35514	4.53842	19.08963	0.70250	0.23756	0.38392	0.70250	0.23699	0.38318
90	46	4.65030	21.22763	0.69813	0.21890	0.35917	0.69813	0.21828	0.35834	4.53842	18.90911	0.70250	0.23981	0.38685	0.70250	0.23917	0.38602
90	47	4.65030	20.97813	0.69813	0.22148	0.36264	0.69813	0.22079	0.36171	4.53842	18.72094	0.70250	0.24220	0.38995	0.70250	0.24148	0.38902
90	48	4.65030	20.72003	0.69813	0.22421	0.36629	0.69813	0.22342	0.36524	4.53842	18.52488	0.70250	0.24473	0.39322	0.70250	0.24392	0.39217
90	49	4.65030	20.45326	0.69813	0.22710	0.37014	0.69813	0.22620	0.36895	4.53842	18.32076	0.70250	0.24742	0.39668	0.70250	0.24649	0.39549
90	50	4.65030	20.17742	0.69813	0.23016	0.37420	0.69813	0.22912	0.37283	4.53842	18.10816	0.70250	0.25027	0.40035	0.70250	0.24920	0.39898
90	51	4.65030	19.89339	0.69813	0.23340	0.37846	0.69813	0.23220	0.37689	4.53842	17.88781	0.70250	0.25330	0.40421	0.70250	0.25207	0.40264
90	52	4.65030	19.60122	0.69813	0.23682	0.38295	0.69813	0.23545	0.38115	4.53842	17.65967	0.70250	0.25651	0.40829	0.70250	0.25509	0.40649
90	53	4.65030	19.30125	0.69813	0.24044	0.38766	0.69813	0.23886	0.38562	4.53842	17.42398	0.70250	0.25990	0.41258	0.70250	0.25829	0.41054
90	54	4.65030	18.99375	0.69813	0.24426	0.39261	0.69813	0.24247	0.39030	4.53842	17.18091	0.70250	0.26350	0.41709	0.70250	0.26167	0.41479
90	55	4.65030	18.67912	0.69813	0.24829	0.39781	0.69813	0.24627	0.39521	4.53842	16.93076	0.70250	0.26730	0.42185	0.70250	0.26524	0.41927
90	56	4.65030	18.35803	0.69813	0.25255	0.40326	0.69813	0.25030	0.40038	4.53842	16.67407	0.70250	0.27133	0.42684	0.70250	0.26902	0.42398
90	57	4.65030	18.02853	0.69813	0.25707	0.40900	0.69813	0.25455	0.40581	4.53842	16.40902	0.70250	0.27560	0.43211	0.70250	0.27303	0.42895
90	58	4.65030	17.69065	0.69813	0.26187	0.41505	0.69813	0.25906	0.41152	4.53842	16.13552	0.70250	0.28016	0.43769	0.70250	0.27729	0.43419
90	59	4.65030	17.34441	0.69813	0.26697	0.42144	0.69813	0.26384	0.41753	4.53842	15.85354	0.70250	0.28500	0.44358	0.70250	0.28182	0.43972
90	60	4.65030	16.98967	0.69813	0.27241	0.42818	0.69813	0.26892	0.42385	4.53842	15.56284	0.70250	0.29017	0.44982	0.70250	0.28663	0.44555
90	61	4.65030	16.62627	0.69813	0.27820	0.43529	0.69813	0.27430	0.43052	4.53842	15.26320	0.70250	0.29569	0.45642	0.70250	0.29175	0.45171
90	62	4.65030	16.25423	0.69813	0.28437	0.44282	0.69813	0.28003	0.43753	4.53842	14.95454	0.70250	0.30159	0.46341	0.70250	0.29719	0.45821
90	63	4.65030	15.87341	0.69813	0.29097	0.45077	0.69813	0.28611	0.44492	4.53842	14.63664	0.70250	0.30789	0.47082	0.70250	0.30299	0.46507
90	64	4.65030	15.48353	0.69813	0.29803	0.45920	0.69813	0.29258	0.45270	4.53842	14.30913	0.70250	0.31465	0.47869	0.70250	0.30917	0.47232
90	65	4.65030	15.08480	0.69813	0.30558	0.46812	0.69813	0.29946	0.46090	4.53842	13.97213	0.70250	0.32190	0.48703	0.70250	0.31575	0.47996
90	66	4.65030	14.67724	0.69813	0.31368	0.47756	0.69813	0.30677	0.46951	4.53842	13.62552	0.70250	0.32968	0.49588	0.70250	0.32276	0.48801
90	67	4.65030	14.26104	0.69813	0.32237	0.48756	0.69813	0.31455	0.47857	4.53842	13.26940	0.70250	0.33803	0.50527	0.70250	0.33022	0.49649
90	68	4.65030	13.83657	0.69813	0.33169	0.49815	0.69813	0.32282	0.48808	4.53842	12.90401	0.70250	0.34701	0.51523	0.70250	0.33816	0.50541
90	69	4.65030	13.40435	0.69813	0.34169	0.50934	0.69813	0.33160	0.49805	4.53842	12.52973	0.70250	0.35665	0.52578	0.70250	0.34661	0.51479
90	70	4.65030	12.96501	0.69813	0.35242	0.52117	0.69813	0.34093	0.50849	4.53842	12.14706	0.70250	0.36700	0.53694	0.70250	0.35558	0.52462
90	71	4.65030	12.51927	0.69813	0.36394	0.53366	0.69813	0.35082	0.51941	4.53842	11.75658	0.70250	0.37812	0.54875	0.70250	0.36511	0.53492
90	72	4.65030	12.06792	0.69813	0.37629	0.54682	0.69813	0.36129	0.53081	4.53842	11.35893	0.70250	0.39006	0.56121	0.70250	0.37521	0.54568
90	73	4.65030	11.61185	0.69813	0.38954	0.56067	0.69813	0.37239	0.54269	4.53842	10.95491	0.70250	0.40286	0.57434	0.70250	0.38592	0.55692
90	74	4.65030	11.15217	0.69813	0.40371	0.57521	0.69813	0.38411	0.55503	4.53842	10.54549	0.70250	0.41657	0.58814	0.70250	0.39725	0.56861
90	75	4.65030	10.68986	0.69813	0.41888	0.59044	0.69813	0.39649	0.56783	4.53842	10.13154	0.70250	0.43124	0.60261	0.70250	0.40921	0.58076

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>	<u>Retiree Annuity</u>	<u>Beneficiary Annuity Value</u>	<u>Option 1 Factor</u>	<u>Option 2 Factor</u>	<u>Option 3 Factor</u>	<u>Option 4 Factor</u>	<u>Option 5 Factor</u>	<u>Option 6 Factor</u>
90	76	4.65030	10.22626	0.69813	0.43507	0.60634	0.69813	0.40952	0.58108	4.53842	9.71428	0.70250	0.44691	0.61775	0.70250	0.42181	0.59335
90	77	4.65030	9.76277	0.69813	0.45231	0.62288	0.69813	0.42321	0.59473	4.53842	9.29502	0.70250	0.46360	0.63351	0.70250	0.43507	0.60634
90	78	4.65030	9.30064	0.69813	0.47062	0.64003	0.69813	0.43757	0.60876	4.53842	8.87492	0.70250	0.48134	0.64987	0.70250	0.44897	0.61971
90	79	4.65030	8.84103	0.69813	0.49002	0.65773	0.69813	0.45258	0.62314	4.53842	8.45509	0.70250	0.50013	0.66678	0.70250	0.46351	0.63343
90	80	4.65030	8.38551	0.69813	0.51048	0.67592	0.69813	0.46821	0.63779	4.53842	8.03703	0.70250	0.51996	0.68418	0.70250	0.47867	0.64743
90	81	4.65030	7.93532	0.69813	0.53198	0.69450	0.69813	0.48443	0.65268	4.53842	7.62196	0.70250	0.54080	0.70198	0.70250	0.49441	0.66168
90	82	4.65030	7.49211	0.69813	0.55444	0.71336	0.69813	0.50120	0.66773	4.53842	7.21152	0.70250	0.56258	0.72007	0.70250	0.51069	0.67610
90	83	4.65030	7.05756	0.69813	0.57776	0.73238	0.69813	0.51845	0.68287	4.53842	6.80735	0.70250	0.58521	0.73833	0.70250	0.52745	0.69062
90	84	4.65030	6.63342	0.69813	0.60179	0.75139	0.69813	0.53611	0.69801	4.53842	6.41122	0.70250	0.60853	0.75663	0.70250	0.54461	0.70517
90	85	4.65030	6.22156	0.69813	0.62634	0.77025	0.69813	0.55409	0.71307	4.53842	6.02503	0.70250	0.63237	0.77479	0.70250	0.56209	0.71967
90	86	4.65030	5.82374	0.69813	0.65119	0.78876	0.69813	0.57229	0.72797	4.53842	5.65055	0.70250	0.65652	0.79265	0.70250	0.57979	0.73401
90	87	4.65030	5.44155	0.69813	0.67610	0.80675	0.69813	0.59059	0.74261	4.53842	5.28949	0.70250	0.68075	0.81005	0.70250	0.59761	0.74813
90	88	4.65030	5.07613	0.69813	0.70081	0.82409	0.69813	0.60890	0.75691	4.53842	4.94306	0.70250	0.70480	0.82684	0.70250	0.61544	0.76195
90	89	4.65030	4.72862	0.69813	0.72506	0.84062	0.69813	0.62709	0.77081	4.53842	4.61250	0.70250	0.72843	0.84288	0.70250	0.63317	0.77539
90	90	4.65030	4.40007	0.69813	0.74858	0.85622	0.69813	0.64505	0.78423	4.53842	4.29901	0.70250	0.75138	0.85804	0.70250	0.65068	0.78838
90	91	4.65030	4.09149	0.69813	0.77113	0.87078	0.69813	0.66267	0.79712	4.53842	4.00370	0.70250	0.77340	0.87222	0.70250	0.66787	0.80087
90	92	4.65030	3.80354	0.69813	0.79249	0.88424	0.69813	0.67987	0.80943	4.53842	3.72738	0.70250	0.79429	0.88535	0.70250	0.68466	0.81282
90	93	4.65030	3.53621	0.69813	0.81252	0.89657	0.69813	0.69657	0.82115	4.53842	3.47020	0.70250	0.81391	0.89741	0.70250	0.70098	0.82420
90	94	4.65030	3.28870	0.69813	0.83114	0.90779	0.69813	0.71272	0.83227	4.53842	3.23152	0.70250	0.83217	0.90840	0.70250	0.71676	0.83502
90	95	4.65030	3.05955	0.69813	0.84834	0.91795	0.69813	0.72827	0.84277	4.53842	3.01004	0.70250	0.84906	0.91837	0.70250	0.73196	0.84524
90	96	4.65030	2.84646	0.69813	0.86413	0.92711	0.69813	0.74313	0.85264	4.53842	2.80360	0.70250	0.86461	0.92739	0.70250	0.74651	0.85486
90	97	4.65030	2.65226	0.69813	0.87838	0.93525	0.69813	0.75723	0.86184	4.53842	2.61510	0.70250	0.87865	0.93541	0.70250	0.76031	0.86384
90	98	4.65030	2.47567	0.69813	0.89115	0.94244	0.69813	0.77056	0.87041	4.53842	2.44340	0.70250	0.89126	0.94250	0.70250	0.77338	0.87221
90	99	4.65030	2.31535	0.69813	0.90255	0.94878	0.69813	0.78313	0.87838	4.53842	2.28724	0.70250	0.90253	0.94877	0.70250	0.78571	0.87999
90	100	4.65030	2.16976	0.69813	0.91269	0.95435	0.69813	0.79496	0.88577	4.53842	2.14523	0.70250	0.91257	0.95429	0.70250	0.79732	0.88723
90	101	4.65030	2.03734	0.69813	0.92169	0.95925	0.69813	0.80607	0.89263	4.53842	2.01587	0.70250	0.92150	0.95915	0.70250	0.80822	0.89394
90	102	4.65030	1.91714	0.69813	0.92966	0.96355	0.69813	0.81646	0.89896	4.53842	1.89830	0.70250	0.92941	0.96342	0.70250	0.81843	0.90015
90	103	4.65030	1.80800	0.69813	0.93668	0.96731	0.69813	0.82614	0.90479	4.53842	1.79140	0.70250	0.93641	0.96716	0.70250	0.82795	0.90588
90	104	4.65030	1.70943	0.69813	0.94285	0.97058	0.69813	0.83510	0.91014	4.53842	1.69474	0.70250	0.94255	0.97042	0.70250	0.83676	0.91113
90	105	4.65030	1.62048	0.69813	0.94823	0.97343	0.69813	0.84332	0.91500	4.53842	1.60741	0.70250	0.94792	0.97326	0.70250	0.84486	0.91591
90	106	4.65030	1.54080	0.69813	0.95288	0.97587	0.69813	0.85077	0.91937	4.53842	1.52911	0.70250	0.95256	0.97571	0.70250	0.85220	0.92020
90	107	4.65030	1.47009	0.69813	0.95685	0.97795	0.69813	0.85735	0.92320	4.53842	1.45954	0.70250	0.95653	0.97778	0.70250	0.85870	0.92398
90	108	4.65030	1.40861	0.69813	0.96013	0.97966	0.69813	0.86292	0.92641	4.53842	1.39898	0.70250	0.95982	0.97950	0.70250	0.86420	0.92715
90	109	4.65030	1.35764	0.69813	0.96269	0.98099	0.69813	0.86725	0.92891	4.53842	1.34871	0.70250	0.96239	0.98083	0.70250	0.86848	0.92961
90	110	4.65030	1.32125	0.69813	0.96442	0.98189	0.69813	0.87016	0.93058	4.53842	1.31279	0.70250	0.96413	0.98174	0.70250	0.87136	0.93126
91	1	4.32272	26.72925	0.68099	0.16171	0.27840	0.68099	0.16166	0.27832	4.22559	22.57586	0.68551	0.18716	0.31531	0.68551	0.18710	0.31522
91	2	4.32272	26.68154	0.68099	0.16200	0.27883	0.68099	0.16195	0.27876	4.22559	22.55058	0.68551	0.18737	0.31561	0.68551	0.18732	0.31553
91	3	4.32272	26.63112	0.68099	0.16231	0.27929	0.68099	0.16226	0.27922	4.22559	22.52338	0.68551	0.18760	0.31593	0.68551	0.18755	0.31586
91	4	4.32272	26.57806	0.68099	0.16263	0.27977	0.68099	0.16259	0.27970	4.22559	22.49433	0.68551	0.18784	0.31627	0.68551	0.18779	0.31620
91	5	4.32272	26.52283	0.68099	0.16297	0.28027	0.68099	0.16293	0.28020	4.22559	22.46379	0.68551	0.18810	0.31663	0.68551	0.18805	0.31656
91	6	4.32272	26.46539	0.68099	0.16333	0.28079	0.68099	0.16328	0.28072	4.22559	22.43176	0.68551	0.18836	0.31701	0.68551	0.18831	0.31694

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
Retiree	Beneficiary	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Age	Age	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor
91	7	4.32272	26.40551	0.68099	0.16370	0.28134	0.68099	0.16365	0.28127	4.22559	22.39806	0.68551	0.18865	0.31741	0.68551	0.18860	0.31734
91	8	4.32272	26.34335	0.68099	0.16408	0.28191	0.68099	0.16403	0.28184	4.22559	22.36278	0.68551	0.18894	0.31784	0.68551	0.18889	0.31776
91	9	4.32272	26.27867	0.68099	0.16449	0.28250	0.68099	0.16443	0.28243	4.22559	22.32575	0.68551	0.18926	0.31828	0.68551	0.18920	0.31820
91	10	4.32272	26.21121	0.68099	0.16491	0.28312	0.68099	0.16485	0.28304	4.22559	22.28674	0.68551	0.18959	0.31874	0.68551	0.18952	0.31865
91	11	4.32272	26.14141	0.68099	0.16535	0.28377	0.68099	0.16528	0.28367	4.22559	22.24611	0.68551	0.18993	0.31923	0.68551	0.18986	0.31913
91	12	4.32272	26.06892	0.68099	0.16580	0.28445	0.68099	0.16573	0.28434	4.22559	22.20360	0.68551	0.19029	0.31974	0.68551	0.19021	0.31962
91	13	4.32272	25.99388	0.68099	0.16628	0.28515	0.68099	0.16619	0.28502	4.22559	22.15929	0.68551	0.19067	0.32027	0.68551	0.19058	0.32014
91	14	4.32272	25.91617	0.68099	0.16678	0.28588	0.68099	0.16668	0.28573	4.22559	22.11310	0.68551	0.19106	0.32083	0.68551	0.19096	0.32068
91	15	4.32272	25.83587	0.68099	0.16729	0.28663	0.68099	0.16718	0.28647	4.22559	22.06509	0.68551	0.19148	0.32141	0.68551	0.19136	0.32124
91	16	4.32272	25.75319	0.68099	0.16783	0.28742	0.68099	0.16770	0.28723	4.22559	22.01544	0.68551	0.19191	0.32201	0.68551	0.19177	0.32182
91	17	4.32272	25.66857	0.68099	0.16838	0.28823	0.68099	0.16825	0.28803	4.22559	21.96453	0.68551	0.19235	0.32264	0.68551	0.19220	0.32243
91	18	4.32272	25.58235	0.68099	0.16895	0.28906	0.68099	0.16881	0.28886	4.22559	21.91267	0.68551	0.19280	0.32328	0.68551	0.19266	0.32307
91	19	4.32272	25.49361	0.68099	0.16953	0.28992	0.68099	0.16941	0.28973	4.22559	21.85907	0.68551	0.19328	0.32394	0.68551	0.19314	0.32375
91	20	4.32272	25.40164	0.68099	0.17015	0.29082	0.68099	0.17003	0.29065	4.22559	21.80312	0.68551	0.19378	0.32464	0.68551	0.19365	0.32446
91	21	4.32272	25.30562	0.68099	0.17080	0.29176	0.68099	0.17069	0.29161	4.22559	21.74411	0.68551	0.19430	0.32538	0.68551	0.19419	0.32522
91	22	4.32272	25.20517	0.68099	0.17148	0.29276	0.68099	0.17138	0.29261	4.22559	21.68171	0.68551	0.19487	0.32617	0.68551	0.19476	0.32602
91	23	4.32272	25.09967	0.68099	0.17220	0.29381	0.68099	0.17210	0.29367	4.22559	21.61537	0.68551	0.19546	0.32701	0.68551	0.19536	0.32686
91	24	4.32272	24.98936	0.68099	0.17296	0.29491	0.68099	0.17286	0.29477	4.22559	21.54528	0.68551	0.19610	0.32790	0.68551	0.19599	0.32775
91	25	4.32272	24.87419	0.68099	0.17376	0.29608	0.68099	0.17365	0.29592	4.22559	21.47137	0.68551	0.19677	0.32884	0.68551	0.19666	0.32868
91	26	4.32272	24.75420	0.68099	0.17460	0.29729	0.68099	0.17448	0.29713	4.22559	21.39367	0.68551	0.19749	0.32983	0.68551	0.19736	0.32966
91	27	4.32272	24.62994	0.68099	0.17548	0.29857	0.68099	0.17535	0.29838	4.22559	21.31262	0.68551	0.19823	0.33088	0.68551	0.19810	0.33069
91	28	4.32272	24.50119	0.68099	0.17640	0.29990	0.68099	0.17626	0.29969	4.22559	21.22804	0.68551	0.19902	0.33197	0.68551	0.19887	0.33176
91	29	4.32272	24.36788	0.68099	0.17736	0.30129	0.68099	0.17721	0.30106	4.22559	21.13984	0.68551	0.19985	0.33312	0.68551	0.19968	0.33289
91	30	4.32272	24.23009	0.68099	0.17837	0.30274	0.68099	0.17820	0.30250	4.22559	21.04806	0.68551	0.20071	0.33433	0.68551	0.20054	0.33408
91	31	4.32272	24.08752	0.68099	0.17942	0.30425	0.68099	0.17924	0.30399	4.22559	20.95246	0.68551	0.20163	0.33559	0.68551	0.20143	0.33532
91	32	4.32272	23.94006	0.68099	0.18052	0.30583	0.68099	0.18033	0.30556	4.22559	20.85289	0.68551	0.20259	0.33692	0.68551	0.20238	0.33663
91	33	4.32272	23.78740	0.68099	0.18168	0.30749	0.68099	0.18147	0.30720	4.22559	20.74907	0.68551	0.20360	0.33831	0.68551	0.20338	0.33801
91	34	4.32272	23.62942	0.68099	0.18289	0.30922	0.68099	0.18267	0.30891	4.22559	20.64088	0.68551	0.20466	0.33978	0.68551	0.20443	0.33946
91	35	4.32272	23.46579	0.68099	0.18416	0.31104	0.68099	0.18393	0.31071	4.22559	20.52800	0.68551	0.20578	0.34132	0.68551	0.20553	0.34098
91	36	4.32272	23.29632	0.68099	0.18550	0.31294	0.68099	0.18525	0.31259	4.22559	20.41023	0.68551	0.20696	0.34295	0.68551	0.20670	0.34259
91	37	4.32272	23.12089	0.68099	0.18690	0.31494	0.68099	0.18664	0.31457	4.22559	20.28745	0.68551	0.20821	0.34466	0.68551	0.20794	0.34428
91	38	4.32272	22.93911	0.68099	0.18838	0.31704	0.68099	0.18810	0.31664	4.22559	20.15926	0.68551	0.20953	0.34647	0.68551	0.20924	0.34607
91	39	4.32272	22.75087	0.68099	0.18993	0.31923	0.68099	0.18964	0.31882	4.22559	20.02555	0.68551	0.21093	0.34837	0.68551	0.21062	0.34795
91	40	4.32272	22.55572	0.68099	0.19157	0.32155	0.68099	0.19126	0.32110	4.22559	19.88587	0.68551	0.21240	0.35038	0.68551	0.21207	0.34993
91	41	4.32272	22.35340	0.68099	0.19330	0.32398	0.68099	0.19296	0.32350	4.22559	19.73995	0.68551	0.21397	0.35251	0.68551	0.21361	0.35203
91	42	4.32272	22.14385	0.68099	0.19512	0.32653	0.68099	0.19476	0.32602	4.22559	19.58769	0.68551	0.21562	0.35475	0.68551	0.21524	0.35423
91	43	4.32272	21.92669	0.68099	0.19705	0.32922	0.68099	0.19665	0.32867	4.22559	19.42870	0.68551	0.21738	0.35712	0.68551	0.21696	0.35656
91	44	4.32272	21.70178	0.68099	0.19908	0.33205	0.68099	0.19865	0.33145	4.22559	19.26280	0.68551	0.21924	0.35963	0.68551	0.21878	0.35902
91	45	4.32272	21.46876	0.68099	0.20123	0.33504	0.68099	0.20075	0.33437	4.22559	19.08963	0.68551	0.22121	0.36228	0.68551	0.22071	0.36161
91	46	4.32272	21.22763	0.68099	0.20350	0.33818	0.68099	0.20297	0.33744	4.22559	18.90911	0.68551	0.22331	0.36509	0.68551	0.22275	0.36434
91	47	4.32272	20.97813	0.68099	0.20590	0.34149	0.68099	0.20530	0.34066	4.22559	18.72094	0.68551	0.22553	0.36806	0.68551	0.22491	0.36722

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
Retiree	Beneficiary	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Age	Age	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor
91	48	4.32272	20.72003	0.68099	0.20845	0.34498	0.68099	0.20776	0.34405	4.22559	18.52488	0.68551	0.22789	0.37120	0.68551	0.22718	0.37025
91	49	4.32272	20.45326	0.68099	0.21114	0.34866	0.68099	0.21036	0.34759	4.22559	18.32076	0.68551	0.23040	0.37452	0.68551	0.22959	0.37344
91	50	4.32272	20.17742	0.68099	0.21399	0.35254	0.68099	0.21309	0.35131	4.22559	18.10816	0.68551	0.23307	0.37803	0.68551	0.23213	0.37680
91	51	4.32272	19.89339	0.68099	0.21701	0.35662	0.68099	0.21596	0.35521	4.22559	17.88781	0.68551	0.23589	0.38174	0.68551	0.23482	0.38033
91	52	4.32272	19.60122	0.68099	0.22019	0.36092	0.68099	0.21899	0.35930	4.22559	17.65967	0.68551	0.23889	0.38565	0.68551	0.23765	0.38403
91	53	4.32272	19.30125	0.68099	0.22356	0.36543	0.68099	0.22219	0.36359	4.22559	17.42398	0.68551	0.24206	0.38977	0.68551	0.24064	0.38793
91	54	4.32272	18.99375	0.68099	0.22713	0.37017	0.68099	0.22556	0.36809	4.22559	17.18091	0.68551	0.24542	0.39412	0.68551	0.24380	0.39203
91	55	4.32272	18.67912	0.68099	0.23089	0.37516	0.68099	0.22911	0.37281	4.22559	16.93076	0.68551	0.24898	0.39869	0.68551	0.24715	0.39634
91	56	4.32272	18.35803	0.68099	0.23486	0.38038	0.68099	0.23287	0.37777	4.22559	16.67407	0.68551	0.25273	0.40349	0.68551	0.25069	0.40089
91	57	4.32272	18.02853	0.68099	0.23907	0.38589	0.68099	0.23686	0.38300	4.22559	16.40902	0.68551	0.25673	0.40857	0.68551	0.25446	0.40568
91	58	4.32272	17.69065	0.68099	0.24355	0.39171	0.68099	0.24108	0.38850	4.22559	16.13552	0.68551	0.26099	0.41394	0.68551	0.25845	0.41075
91	59	4.32272	17.34441	0.68099	0.24832	0.39784	0.68099	0.24555	0.39429	4.22559	15.85354	0.68551	0.26552	0.41962	0.68551	0.26270	0.41609
91	60	4.32272	16.98967	0.68099	0.25339	0.40432	0.68099	0.25031	0.40039	4.22559	15.56284	0.68551	0.27035	0.42564	0.68551	0.26722	0.42174
91	61	4.32272	16.62627	0.68099	0.25879	0.41118	0.68099	0.25536	0.40683	4.22559	15.26320	0.68551	0.27552	0.43201	0.68551	0.27202	0.42770
91	62	4.32272	16.25423	0.68099	0.26456	0.41843	0.68099	0.26073	0.41361	4.22559	14.95454	0.68551	0.28104	0.43877	0.68551	0.27714	0.43401
91	63	4.32272	15.87341	0.68099	0.27073	0.42610	0.68099	0.26644	0.42077	4.22559	14.63664	0.68551	0.28695	0.44594	0.68551	0.28260	0.44067
91	64	4.32272	15.48353	0.68099	0.27733	0.43424	0.68099	0.27252	0.42832	4.22559	14.30913	0.68551	0.29329	0.45355	0.68551	0.28842	0.44771
91	65	4.32272	15.08480	0.68099	0.28441	0.44286	0.68099	0.27899	0.43627	4.22559	13.97213	0.68551	0.30009	0.46164	0.68551	0.29463	0.45515
91	66	4.32272	14.67724	0.68099	0.29200	0.45201	0.68099	0.28589	0.44465	4.22559	13.62552	0.68551	0.30739	0.47024	0.68551	0.30124	0.46301
91	67	4.32272	14.26104	0.68099	0.30015	0.46171	0.68099	0.29323	0.45348	4.22559	13.26940	0.68551	0.31525	0.47937	0.68551	0.30830	0.47130
91	68	4.32272	13.83657	0.68099	0.30890	0.47200	0.68099	0.30104	0.46277	4.22559	12.90401	0.68551	0.32369	0.48908	0.68551	0.31582	0.48003
91	69	4.32272	13.40435	0.68099	0.31831	0.48290	0.68099	0.30935	0.47253	4.22559	12.52973	0.68551	0.33278	0.49938	0.68551	0.32383	0.48923
91	70	4.32272	12.96501	0.68099	0.32842	0.49445	0.68099	0.31819	0.48277	4.22559	12.14706	0.68551	0.34256	0.51030	0.68551	0.33236	0.49890
91	71	4.32272	12.51927	0.68099	0.33928	0.50666	0.68099	0.32759	0.49351	4.22559	11.75658	0.68551	0.35307	0.52188	0.68551	0.34143	0.50905
91	72	4.32272	12.06792	0.68099	0.35096	0.51957	0.68099	0.33757	0.50475	4.22559	11.35893	0.68551	0.36438	0.53413	0.68551	0.35107	0.51969
91	73	4.32272	11.61185	0.68099	0.36350	0.53319	0.68099	0.34815	0.51649	4.22559	10.95491	0.68551	0.37653	0.54707	0.68551	0.36131	0.53082
91	74	4.32272	11.15217	0.68099	0.37696	0.54753	0.68099	0.35937	0.52873	4.22559	10.54549	0.68551	0.38958	0.56072	0.68551	0.37216	0.54245
91	75	4.32272	10.68986	0.68099	0.39141	0.56260	0.68099	0.37124	0.54146	4.22559	10.13154	0.68551	0.40359	0.57508	0.68551	0.38366	0.55456
91	76	4.32272	10.22626	0.68099	0.40687	0.57840	0.68099	0.38378	0.55468	4.22559	9.71428	0.68551	0.41859	0.59015	0.68551	0.39582	0.56715
91	77	4.32272	9.76277	0.68099	0.42339	0.59491	0.68099	0.39699	0.56835	4.22559	9.29502	0.68551	0.43463	0.60591	0.68551	0.40863	0.58019
91	78	4.32272	9.30064	0.68099	0.44101	0.61209	0.68099	0.41090	0.58246	4.22559	8.87492	0.68551	0.45173	0.62234	0.68551	0.42213	0.59365
91	79	4.32272	8.84103	0.68099	0.45976	0.62992	0.68099	0.42548	0.59697	4.22559	8.45509	0.68551	0.46994	0.63940	0.68551	0.43629	0.60752
91	80	4.32272	8.38551	0.68099	0.47964	0.64832	0.68099	0.44074	0.61182	4.22559	8.03703	0.68551	0.48924	0.65703	0.68551	0.45111	0.62174
91	81	4.32272	7.93532	0.68099	0.50063	0.66723	0.68099	0.45663	0.62697	4.22559	7.62196	0.68551	0.50963	0.67517	0.68551	0.46656	0.63626
91	82	4.32272	7.49211	0.68099	0.52269	0.68654	0.68099	0.47313	0.64235	4.22559	7.21152	0.68551	0.53107	0.69372	0.68551	0.48260	0.65102
91	83	4.32272	7.05756	0.68099	0.54574	0.70613	0.68099	0.49018	0.65788	4.22559	6.80735	0.68551	0.55347	0.71256	0.68551	0.49919	0.66595
91	84	4.32272	6.63342	0.68099	0.56966	0.72584	0.68099	0.50772	0.67349	4.22559	6.41122	0.68551	0.57672	0.73154	0.68551	0.51626	0.68097
91	85	4.32272	6.22156	0.68099	0.59428	0.74552	0.68099	0.52566	0.68909	4.22559	6.02503	0.68551	0.60067	0.75052	0.68551	0.53374	0.69599
91	86	4.32272	5.82374	0.68099	0.61940	0.76497	0.68099	0.54390	0.70458	4.22559	5.65055	0.68551	0.62511	0.76931	0.68551	0.55151	0.71093
91	87	4.32272	5.44155	0.68099	0.64477	0.78403	0.68099	0.56235	0.71987	4.22559	5.28949	0.68551	0.64981	0.78774	0.68551	0.56949	0.72570
91	88	4.32272	5.07613	0.68099	0.67017	0.80251	0.68099	0.58088	0.73488	4.22559	4.94306	0.68551	0.67455	0.80565	0.68551	0.58756	0.74021

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
91	89	4.32272	4.72862	0.68099	0.69530	0.82027	0.68099	0.59939	0.74952		4.22559	4.61250	0.68551	0.69906	0.82288	0.68551	0.60562	0.75438		
91	90	4.32272	4.40007	0.68099	0.71989	0.83714	0.68099	0.61775	0.76371		4.22559	4.29901	0.68551	0.72307	0.83928	0.68551	0.62354	0.76813		
91	91	4.32272	4.09149	0.68099	0.74368	0.85300	0.68099	0.63585	0.77739		4.22559	4.00370	0.68551	0.74631	0.85472	0.68551	0.64123	0.78140		
91	92	4.32272	3.80354	0.68099	0.76640	0.86776	0.68099	0.65360	0.79052		4.22559	3.72738	0.68551	0.76854	0.86912	0.68551	0.65857	0.79414		
91	93	4.32272	3.53621	0.68099	0.78789	0.88137	0.68099	0.67092	0.80305		4.22559	3.47020	0.68551	0.78958	0.88242	0.68551	0.67550	0.80633		
91	94	4.32272	3.28870	0.68099	0.80804	0.89383	0.68099	0.68774	0.81498		4.22559	3.23152	0.68551	0.80934	0.89462	0.68551	0.69196	0.81794		
91	95	4.32272	3.05955	0.68099	0.82678	0.90518	0.68099	0.70400	0.82629		4.22559	3.01004	0.68551	0.82775	0.90576	0.68551	0.70788	0.82895		
91	96	4.32272	2.84646	0.68099	0.84414	0.91548	0.68099	0.71961	0.83694		4.22559	2.80360	0.68551	0.84483	0.91589	0.68551	0.72317	0.83935		
91	97	4.32272	2.65226	0.68099	0.85991	0.92468	0.68099	0.73448	0.84691		4.22559	2.61510	0.68551	0.86036	0.92494	0.68551	0.73774	0.84908		
91	98	4.32272	2.47567	0.68099	0.87414	0.93284	0.68099	0.74859	0.85622		4.22559	2.44340	0.68551	0.87440	0.93299	0.68551	0.75158	0.85817		
91	99	4.32272	2.31535	0.68099	0.88691	0.94007	0.68099	0.76195	0.86489		4.22559	2.28724	0.68551	0.88702	0.94013	0.68551	0.76468	0.86665		
91	100	4.32272	2.16976	0.68099	0.89835	0.94645	0.68099	0.77456	0.87296		4.22559	2.14523	0.68551	0.89833	0.94644	0.68551	0.77707	0.87455		
91	101	4.32272	2.03734	0.68099	0.90855	0.95209	0.68099	0.78645	0.88046		4.22559	2.01587	0.68551	0.90845	0.95203	0.68551	0.78875	0.88190		
91	102	4.32272	1.91714	0.68099	0.91763	0.95704	0.68099	0.79759	0.88740		4.22559	1.89830	0.68551	0.91745	0.95695	0.68551	0.79970	0.88871		
91	103	4.32272	1.80800	0.68099	0.92567	0.96140	0.68099	0.80801	0.89381		4.22559	1.79140	0.68551	0.92544	0.96128	0.68551	0.80996	0.89500		
91	104	4.32272	1.70943	0.68099	0.93275	0.96521	0.68099	0.81768	0.89970		4.22559	1.69474	0.68551	0.93249	0.96506	0.68551	0.81948	0.90078		
91	105	4.32272	1.62048	0.68099	0.93896	0.96852	0.68099	0.82659	0.90507		4.22559	1.60741	0.68551	0.93867	0.96837	0.68551	0.82825	0.90606		
91	106	4.32272	1.54080	0.68099	0.94435	0.97138	0.68099	0.83468	0.90989		4.22559	1.52911	0.68551	0.94405	0.97122	0.68551	0.83623	0.91081		
91	107	4.32272	1.47009	0.68099	0.94896	0.97381	0.68099	0.84185	0.91413		4.22559	1.45954	0.68551	0.94866	0.97365	0.68551	0.84330	0.91499		
91	108	4.32272	1.40861	0.68099	0.95279	0.97582	0.68099	0.84793	0.91771		4.22559	1.39898	0.68551	0.95248	0.97566	0.68551	0.84932	0.91852		
91	109	4.32272	1.35764	0.68099	0.95578	0.97739	0.68099	0.85268	0.92048		4.22559	1.34871	0.68551	0.95548	0.97723	0.68551	0.85401	0.92126		
91	110	4.32272	1.32125	0.68099	0.95780	0.97845	0.68099	0.85587	0.92234		4.22559	1.31279	0.68551	0.95751	0.97829	0.68551	0.85717	0.92309		
92	1	4.01481	26.72925	0.66532	0.15019	0.26116	0.66532	0.15014	0.26109		3.93068	22.57586	0.67002	0.17410	0.29657	0.67002	0.17404	0.29649		
92	2	4.01481	26.68154	0.66532	0.15046	0.26157	0.66532	0.15042	0.26150		3.93068	22.55058	0.67002	0.17429	0.29685	0.67002	0.17425	0.29678		
92	3	4.01481	26.63112	0.66532	0.15075	0.26200	0.66532	0.15071	0.26194		3.93068	22.52338	0.67002	0.17451	0.29716	0.67002	0.17446	0.29709		
92	4	4.01481	26.57806	0.66532	0.15105	0.26246	0.66532	0.15101	0.26240		3.93068	22.49433	0.67002	0.17473	0.29748	0.67002	0.17469	0.29742		
92	5	4.01481	26.52283	0.66532	0.15136	0.26293	0.66532	0.15133	0.26287		3.93068	22.46379	0.67002	0.17497	0.29783	0.67002	0.17493	0.29776		
92	6	4.01481	26.46539	0.66532	0.15169	0.26343	0.66532	0.15165	0.26337		3.93068	22.43176	0.67002	0.17522	0.29819	0.67002	0.17518	0.29813		
92	7	4.01481	26.40551	0.66532	0.15204	0.26394	0.66532	0.15200	0.26388		3.93068	22.39806	0.67002	0.17548	0.29857	0.67002	0.17544	0.29851		
92	8	4.01481	26.34335	0.66532	0.15240	0.26448	0.66532	0.15235	0.26442		3.93068	22.36278	0.67002	0.17576	0.29897	0.67002	0.17571	0.29890		
92	9	4.01481	26.27867	0.66532	0.15277	0.26505	0.66532	0.15272	0.26498		3.93068	22.32575	0.67002	0.17605	0.29939	0.67002	0.17600	0.29932		
92	10	4.01481	26.21121	0.66532	0.15316	0.26564	0.66532	0.15311	0.26556		3.93068	22.28674	0.67002	0.17636	0.29984	0.67002	0.17630	0.29975		
92	11	4.01481	26.14141	0.66532	0.15357	0.26625	0.66532	0.15351	0.26617		3.93068	22.24611	0.67002	0.17668	0.30030	0.67002	0.17662	0.30021		
92	12	4.01481	26.06892	0.66532	0.15400	0.26689	0.66532	0.15393	0.26679		3.93068	22.20360	0.67002	0.17701	0.30078	0.67002	0.17694	0.30068		
92	13	4.01481	25.99388	0.66532	0.15444	0.26756	0.66532	0.15436	0.26744		3.93068	22.15929	0.67002	0.17737	0.30129	0.67002	0.17728	0.30117		
92	14	4.01481	25.91617	0.66532	0.15490	0.26825	0.66532	0.15481	0.26812		3.93068	22.11310	0.67002	0.17773	0.30182	0.67002	0.17764	0.30169		
92	15	4.01481	25.83587	0.66532	0.15538	0.26897	0.66532	0.15528	0.26882		3.93068	22.06509	0.67002	0.17812	0.30238	0.67002	0.17801	0.30222		
92	16	4.01481	25.75319	0.66532	0.15588	0.26971	0.66532	0.15576	0.26954		3.93068	22.01544	0.67002	0.17852	0.30295	0.67002	0.17839	0.30278		
92	17	4.01481	25.66857	0.66532	0.15639	0.27048	0.66532	0.15627	0.27030		3.93068	21.96453	0.67002	0.17893	0.30354	0.67002	0.17880	0.30336		
92	18	4.01481	25.58235	0.66532	0.15691	0.27126	0.66532	0.15680	0.27109		3.93068	21.91267	0.67002	0.17935	0.30415	0.67002	0.17922	0.30396		
92	19	4.01481	25.49361	0.66532	0.15746	0.27208	0.66532	0.15735	0.27191		3.93068	21.85907	0.67002	0.17979	0.30479	0.67002	0.17967	0.30461		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
92	20	4.01481	25.40164	0.66532	0.15803	0.27293	0.66532	0.15793	0.27278	3.93068	21.80312	0.67002	0.18026	0.30545	0.67002	0.18014	0.30529
92	21	4.01481	25.30562	0.66532	0.15863	0.27383	0.66532	0.15854	0.27369	3.93068	21.74411	0.67002	0.18075	0.30616	0.67002	0.18064	0.30601
92	22	4.01481	25.20517	0.66532	0.15927	0.27477	0.66532	0.15918	0.27464	3.93068	21.68171	0.67002	0.18127	0.30691	0.67002	0.18117	0.30677
92	23	4.01481	25.09967	0.66532	0.15994	0.27577	0.66532	0.15985	0.27564	3.93068	21.61537	0.67002	0.18183	0.30770	0.67002	0.18173	0.30757
92	24	4.01481	24.98936	0.66532	0.16064	0.27682	0.66532	0.16056	0.27669	3.93068	21.54528	0.67002	0.18242	0.30855	0.67002	0.18232	0.30841
92	25	4.01481	24.87419	0.66532	0.16139	0.27792	0.66532	0.16129	0.27778	3.93068	21.47137	0.67002	0.18304	0.30945	0.67002	0.18294	0.30930
92	26	4.01481	24.75420	0.66532	0.16217	0.27908	0.66532	0.16207	0.27893	3.93068	21.39367	0.67002	0.18371	0.31039	0.67002	0.18360	0.31023
92	27	4.01481	24.62994	0.66532	0.16298	0.28029	0.66532	0.16287	0.28012	3.93068	21.31262	0.67002	0.18440	0.31139	0.67002	0.18428	0.31121
92	28	4.01481	24.50119	0.66532	0.16384	0.28155	0.66532	0.16372	0.28137	3.93068	21.22804	0.67002	0.18513	0.31243	0.67002	0.18500	0.31224
92	29	4.01481	24.36788	0.66532	0.16473	0.28287	0.66532	0.16460	0.28267	3.93068	21.13984	0.67002	0.18590	0.31352	0.67002	0.18576	0.31332
92	30	4.01481	24.23009	0.66532	0.16567	0.28424	0.66532	0.16552	0.28403	3.93068	21.04806	0.67002	0.18671	0.31467	0.67002	0.18656	0.31445
92	31	4.01481	24.08752	0.66532	0.16664	0.28568	0.66532	0.16649	0.28545	3.93068	20.95246	0.67002	0.18756	0.31588	0.67002	0.18739	0.31564
92	32	4.01481	23.94006	0.66532	0.16767	0.28719	0.66532	0.16750	0.28694	3.93068	20.85289	0.67002	0.18845	0.31714	0.67002	0.18827	0.31688
92	33	4.01481	23.78740	0.66532	0.16874	0.28876	0.66532	0.16856	0.28849	3.93068	20.74907	0.67002	0.18939	0.31847	0.67002	0.18920	0.31820
92	34	4.01481	23.62942	0.66532	0.16987	0.29041	0.66532	0.16968	0.29013	3.93068	20.64088	0.67002	0.19038	0.31987	0.67002	0.19018	0.31958
92	35	4.01481	23.46579	0.66532	0.17105	0.29213	0.66532	0.17085	0.29183	3.93068	20.52800	0.67002	0.19143	0.32134	0.67002	0.19121	0.32103
92	36	4.01481	23.29632	0.66532	0.17229	0.29394	0.66532	0.17208	0.29362	3.93068	20.41023	0.67002	0.19253	0.32289	0.67002	0.19230	0.32257
92	37	4.01481	23.12089	0.66532	0.17360	0.29584	0.66532	0.17337	0.29550	3.93068	20.28745	0.67002	0.19369	0.32452	0.67002	0.19345	0.32418
92	38	4.01481	22.93911	0.66532	0.17497	0.29783	0.66532	0.17473	0.29747	3.93068	20.15926	0.67002	0.19492	0.32625	0.67002	0.19466	0.32588
92	39	4.01481	22.75087	0.66532	0.17641	0.29992	0.66532	0.17616	0.29954	3.93068	20.02555	0.67002	0.19622	0.32806	0.67002	0.19594	0.32768
92	40	4.01481	22.55572	0.66532	0.17794	0.30211	0.66532	0.17766	0.30172	3.93068	19.88587	0.67002	0.19759	0.32998	0.67002	0.19730	0.32957
92	41	4.01481	22.35340	0.66532	0.17954	0.30443	0.66532	0.17925	0.30400	3.93068	19.73995	0.67002	0.19905	0.33201	0.67002	0.19873	0.33157
92	42	4.01481	22.14385	0.66532	0.18124	0.30686	0.66532	0.18092	0.30640	3.93068	19.58769	0.67002	0.20059	0.33415	0.67002	0.20025	0.33368
92	43	4.01481	21.92669	0.66532	0.18302	0.30942	0.66532	0.18268	0.30893	3.93068	19.42870	0.67002	0.20222	0.33641	0.67002	0.20186	0.33591
92	44	4.01481	21.70178	0.66532	0.18491	0.31211	0.66532	0.18454	0.31158	3.93068	19.26280	0.67002	0.20395	0.33881	0.67002	0.20356	0.33826
92	45	4.01481	21.46876	0.66532	0.18691	0.31495	0.66532	0.18649	0.31436	3.93068	19.08963	0.67002	0.20579	0.34134	0.67002	0.20536	0.34074
92	46	4.01481	21.22763	0.66532	0.18902	0.31795	0.66532	0.18856	0.31729	3.93068	18.90911	0.67002	0.20774	0.34402	0.67002	0.20726	0.34335
92	47	4.01481	20.97813	0.66532	0.19126	0.32110	0.66532	0.19074	0.32037	3.93068	18.72094	0.67002	0.20982	0.34686	0.67002	0.20927	0.34611
92	48	4.01481	20.72003	0.66532	0.19362	0.32443	0.66532	0.19303	0.32360	3.93068	18.52488	0.67002	0.21202	0.34986	0.67002	0.21140	0.34902
92	49	4.01481	20.45326	0.66532	0.19613	0.32794	0.66532	0.19545	0.32699	3.93068	18.32076	0.67002	0.21436	0.35304	0.67002	0.21365	0.35208
92	50	4.01481	20.17742	0.66532	0.19878	0.33164	0.66532	0.19800	0.33055	3.93068	18.10816	0.67002	0.21684	0.35640	0.67002	0.21602	0.35530
92	51	4.01481	19.89339	0.66532	0.20159	0.33554	0.66532	0.20068	0.33428	3.93068	17.88781	0.67002	0.21948	0.35995	0.67002	0.21853	0.35868
92	52	4.01481	19.60122	0.66532	0.20456	0.33964	0.66532	0.20351	0.33819	3.93068	17.65967	0.67002	0.22227	0.36370	0.67002	0.22118	0.36224
92	53	4.01481	19.30125	0.66532	0.20769	0.34395	0.66532	0.20649	0.34230	3.93068	17.42398	0.67002	0.22523	0.36765	0.67002	0.22398	0.36599
92	54	4.01481	18.99375	0.66532	0.21101	0.34848	0.66532	0.20963	0.34661	3.93068	17.18091	0.67002	0.22836	0.37181	0.67002	0.22694	0.36992
92	55	4.01481	18.67912	0.66532	0.21451	0.35325	0.66532	0.21295	0.35113	3.93068	16.93076	0.67002	0.23168	0.37620	0.67002	0.23007	0.37407
92	56	4.01481	18.35803	0.66532	0.21821	0.35825	0.66532	0.21647	0.35589	3.93068	16.67407	0.67002	0.23518	0.38081	0.67002	0.23338	0.37845
92	57	4.01481	18.02853	0.66532	0.22214	0.36352	0.66532	0.22019	0.36091	3.93068	16.40902	0.67002	0.23891	0.38568	0.67002	0.23691	0.38306
92	58	4.01481	17.69065	0.66532	0.22631	0.36909	0.66532	0.22413	0.36619	3.93068	16.13552	0.67002	0.24289	0.39084	0.67002	0.24065	0.38794
92	59	4.01481	17.34441	0.66532	0.23075	0.37497	0.66532	0.22832	0.37176	3.93068	15.85354	0.67002	0.24712	0.39630	0.67002	0.24463	0.39309
92	60	4.01481	16.98967	0.66532	0.23547	0.38119	0.66532	0.23277	0.37763	3.93068	15.56284	0.67002	0.25164	0.40209	0.67002	0.24886	0.39854

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
92	61	4.01481	16.62627	0.66532	0.24052	0.38777	0.66532	0.23749	0.38383	3.93068	15.26320	0.67002	0.25646	0.40823	0.67002	0.25337	0.40430
92	62	4.01481	16.25423	0.66532	0.24590	0.39473	0.66532	0.24252	0.39037	3.93068	14.95454	0.67002	0.26162	0.41474	0.67002	0.25818	0.41040
92	63	4.01481	15.87341	0.66532	0.25166	0.40212	0.66532	0.24788	0.39728	3.93068	14.63664	0.67002	0.26715	0.42165	0.67002	0.26330	0.41685
92	64	4.01481	15.48353	0.66532	0.25782	0.40995	0.66532	0.25358	0.40457	3.93068	14.30913	0.67002	0.27308	0.42901	0.67002	0.26878	0.42368
92	65	4.01481	15.08480	0.66532	0.26443	0.41826	0.66532	0.25966	0.41227	3.93068	13.97213	0.67002	0.27945	0.43683	0.67002	0.27462	0.43090
92	66	4.01481	14.67724	0.66532	0.27153	0.42709	0.66532	0.26614	0.42040	3.93068	13.62552	0.67002	0.28630	0.44515	0.67002	0.28085	0.43854
92	67	4.01481	14.26104	0.66532	0.27916	0.43647	0.66532	0.27305	0.42897	3.93068	13.26940	0.67002	0.29366	0.45400	0.67002	0.28751	0.44661
92	68	4.01481	13.83657	0.66532	0.28736	0.44643	0.66532	0.28042	0.43801	3.93068	12.90401	0.67002	0.30159	0.46342	0.67002	0.29461	0.45513
92	69	4.01481	13.40435	0.66532	0.29618	0.45701	0.66532	0.28827	0.44753	3.93068	12.52973	0.67002	0.31014	0.47344	0.67002	0.30219	0.46412
92	70	4.01481	12.96501	0.66532	0.30568	0.46823	0.66532	0.29663	0.45754	3.93068	12.14706	0.67002	0.31934	0.48409	0.67002	0.31027	0.47359
92	71	4.01481	12.51927	0.66532	0.31590	0.48013	0.66532	0.30553	0.46805	3.93068	11.75658	0.67002	0.32925	0.49539	0.67002	0.31888	0.48356
92	72	4.01481	12.06792	0.66532	0.32690	0.49273	0.66532	0.31500	0.47909	3.93068	11.35893	0.67002	0.33993	0.50738	0.67002	0.32805	0.49403
92	73	4.01481	11.61185	0.66532	0.33874	0.50606	0.66532	0.32507	0.49064	3.93068	10.95491	0.67002	0.35143	0.52008	0.67002	0.33781	0.50502
92	74	4.01481	11.15217	0.66532	0.35148	0.52014	0.66532	0.33576	0.50273	3.93068	10.54549	0.67002	0.36380	0.53351	0.67002	0.34818	0.51652
92	75	4.01481	10.68986	0.66532	0.36518	0.53499	0.66532	0.34711	0.51534	3.93068	10.13154	0.67002	0.37711	0.54769	0.67002	0.35919	0.52854
92	76	4.01481	10.22626	0.66532	0.37988	0.55060	0.66532	0.35913	0.52847	3.93068	9.71428	0.67002	0.39141	0.56261	0.67002	0.37086	0.54106
92	77	4.01481	9.76277	0.66532	0.39565	0.56697	0.66532	0.37183	0.54210	3.93068	9.29502	0.67002	0.40674	0.57828	0.67002	0.38321	0.55409
92	78	4.01481	9.30064	0.66532	0.41252	0.58409	0.66532	0.38524	0.55621	3.93068	8.87492	0.67002	0.42316	0.59467	0.67002	0.39624	0.56758
92	79	4.01481	8.84103	0.66532	0.43054	0.60192	0.66532	0.39935	0.57077	3.93068	8.45509	0.67002	0.44069	0.61177	0.67002	0.40997	0.58153
92	80	4.01481	8.38551	0.66532	0.44972	0.62043	0.66532	0.41417	0.58574	3.93068	8.03703	0.67002	0.45936	0.62954	0.67002	0.42439	0.59589
92	81	4.01481	7.93532	0.66532	0.47009	0.63954	0.66532	0.42967	0.60107	3.93068	7.62196	0.67002	0.47918	0.64790	0.67002	0.43948	0.61061
92	82	4.01481	7.49211	0.66532	0.49160	0.65916	0.66532	0.44582	0.61670	3.93068	7.21152	0.67002	0.50012	0.66678	0.67002	0.45522	0.62563
92	83	4.01481	7.05756	0.66532	0.51421	0.67918	0.66532	0.46258	0.63256	3.93068	6.80735	0.67002	0.52214	0.68606	0.67002	0.47155	0.64089
92	84	4.01481	6.63342	0.66532	0.53783	0.69947	0.66532	0.47990	0.64856	3.93068	6.41122	0.67002	0.54514	0.70562	0.67002	0.48844	0.65631
92	85	4.01481	6.22156	0.66532	0.56231	0.71984	0.66532	0.49770	0.66462	3.93068	6.02503	0.67002	0.56898	0.72529	0.67002	0.50580	0.67180
92	86	4.01481	5.82374	0.66532	0.58746	0.74013	0.66532	0.51588	0.68063	3.93068	5.65055	0.67002	0.59349	0.74490	0.67002	0.52354	0.68726
92	87	4.01481	5.44155	0.66532	0.61307	0.76013	0.66532	0.53435	0.69651	3.93068	5.28949	0.67002	0.61846	0.76426	0.67002	0.54156	0.70262
92	88	4.01481	5.07613	0.66532	0.63891	0.77968	0.66532	0.55300	0.71217	3.93068	4.94306	0.67002	0.64366	0.78321	0.67002	0.55978	0.71777
92	89	4.01481	4.72862	0.66532	0.66470	0.79858	0.66532	0.57171	0.72750	3.93068	4.61250	0.67002	0.66884	0.80156	0.67002	0.57806	0.73262
92	90	4.01481	4.40007	0.66532	0.69015	0.81668	0.66532	0.59036	0.74242	3.93068	4.29901	0.67002	0.69370	0.81915	0.67002	0.59629	0.74709
92	91	4.01481	4.09149	0.66532	0.71498	0.83381	0.66532	0.60883	0.75686	3.93068	4.00370	0.67002	0.71797	0.83584	0.67002	0.61435	0.76111
92	92	4.01481	3.80354	0.66532	0.73891	0.84985	0.66532	0.62703	0.77077	3.93068	3.72738	0.67002	0.74139	0.85149	0.67002	0.63215	0.77463
92	93	4.01481	3.53621	0.66532	0.76173	0.86475	0.66532	0.64487	0.78409	3.93068	3.47020	0.67002	0.76374	0.86605	0.67002	0.64961	0.78759
92	94	4.01481	3.28870	0.66532	0.78330	0.87848	0.66532	0.66227	0.79682	3.93068	3.23152	0.67002	0.78490	0.87949	0.67002	0.66665	0.79999
92	95	4.01481	3.05955	0.66532	0.80354	0.89107	0.66532	0.67916	0.80893	3.93068	3.01004	0.67002	0.80477	0.89182	0.67002	0.68321	0.81179
92	96	4.01481	2.84646	0.66532	0.82242	0.90256	0.66532	0.69546	0.82038	3.93068	2.80360	0.67002	0.82334	0.90311	0.67002	0.69918	0.82296
92	97	4.01481	2.65226	0.66532	0.83971	0.91287	0.66532	0.71104	0.83112	3.93068	2.61510	0.67002	0.84036	0.91325	0.67002	0.71446	0.83345
92	98	4.01481	2.47567	0.66532	0.85541	0.92207	0.66532	0.72588	0.84117	3.93068	2.44340	0.67002	0.85584	0.92232	0.67002	0.72903	0.84328
92	99	4.01481	2.31535	0.66532	0.86960	0.93025	0.66532	0.73998	0.85056	3.93068	2.28724	0.67002	0.86985	0.93040	0.67002	0.74287	0.85247
92	100	4.01481	2.16976	0.66532	0.88238	0.93751	0.66532	0.75334	0.85932	3.93068	2.14523	0.67002	0.88248	0.93757	0.67002	0.75600	0.86105
92	101	4.01481	2.03734	0.66532	0.89385	0.94395	0.66532	0.76598	0.86748	3.93068	2.01587	0.67002	0.89384	0.94395	0.67002	0.76842	0.86905

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Retiree		Beneficiary		Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Age	Age	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Factor	Factor	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor
92	102	4.01481	1.91714	0.66532	0.90410	0.94963	0.66532	0.77786	0.87505	3.93068	1.89830	0.67002	0.90400	0.94958	0.67002	0.78011	0.87647		
92	103	4.01481	1.80800	0.66532	0.91323	0.95465	0.66532	0.78901	0.88206	3.93068	1.79140	0.67002	0.91306	0.95456	0.67002	0.79108	0.88336		
92	104	4.01481	1.70943	0.66532	0.92130	0.95904	0.66532	0.79939	0.88851	3.93068	1.69474	0.67002	0.92109	0.95892	0.67002	0.80130	0.88969		
92	105	4.01481	1.62048	0.66532	0.92842	0.96288	0.66532	0.80898	0.89440	3.93068	1.60741	0.67002	0.92817	0.96275	0.67002	0.81076	0.89549		
92	106	4.01481	1.54080	0.66532	0.93461	0.96620	0.66532	0.81770	0.89971	3.93068	1.52911	0.67002	0.93434	0.96606	0.67002	0.81937	0.90072		
92	107	4.01481	1.47009	0.66532	0.93993	0.96904	0.66532	0.82547	0.90439	3.93068	1.45954	0.67002	0.93965	0.96889	0.67002	0.82704	0.90533		
92	108	4.01481	1.40861	0.66532	0.94436	0.97138	0.66532	0.83208	0.90834	3.93068	1.39898	0.67002	0.94408	0.97123	0.67002	0.83357	0.90923		
92	109	4.01481	1.35764	0.66532	0.94783	0.97322	0.66532	0.83725	0.91142	3.93068	1.34871	0.67002	0.94755	0.97307	0.67002	0.83869	0.91227		
92	110	4.01481	1.32125	0.66532	0.95019	0.97446	0.66532	0.84073	0.91347	3.93068	1.31279	0.67002	0.94992	0.97431	0.67002	0.84213	0.91430		
93	1	3.72722	26.72925	0.65054	0.13944	0.24475	0.65054	0.13939	0.24468	3.65447	22.57586	0.65450	0.16187	0.27863	0.65450	0.16182	0.27856		
93	2	3.72722	26.68154	0.65054	0.13969	0.24513	0.65054	0.13965	0.24507	3.65447	22.55058	0.65450	0.16205	0.27890	0.65450	0.16201	0.27884		
93	3	3.72722	26.63112	0.65054	0.13995	0.24554	0.65054	0.13992	0.24548	3.65447	22.52338	0.65450	0.16224	0.27919	0.65450	0.16220	0.27913		
93	4	3.72722	26.57806	0.65054	0.14023	0.24597	0.65054	0.14020	0.24592	3.65447	22.49433	0.65450	0.16245	0.27950	0.65450	0.16242	0.27944		
93	5	3.72722	26.52283	0.65054	0.14052	0.24642	0.65054	0.14049	0.24637	3.65447	22.46379	0.65450	0.16268	0.27983	0.65450	0.16264	0.27977		
93	6	3.72722	26.46539	0.65054	0.14083	0.24689	0.65054	0.14079	0.24683	3.65447	22.43176	0.65450	0.16291	0.28017	0.65450	0.16287	0.28012		
93	7	3.72722	26.40551	0.65054	0.14115	0.24738	0.65054	0.14111	0.24732	3.65447	22.39806	0.65450	0.16315	0.28053	0.65450	0.16311	0.28048		
93	8	3.72722	26.34335	0.65054	0.14148	0.24789	0.65054	0.14144	0.24783	3.65447	22.36278	0.65450	0.16341	0.28091	0.65450	0.16337	0.28085		
93	9	3.72722	26.27867	0.65054	0.14183	0.24842	0.65054	0.14179	0.24836	3.65447	22.32575	0.65450	0.16368	0.28131	0.65450	0.16364	0.28125		
93	10	3.72722	26.21121	0.65054	0.14219	0.24898	0.65054	0.14215	0.24891	3.65447	22.28674	0.65450	0.16397	0.28174	0.65450	0.16392	0.28166		
93	11	3.72722	26.14141	0.65054	0.14257	0.24956	0.65054	0.14252	0.24949	3.65447	22.24611	0.65450	0.16426	0.28218	0.65450	0.16421	0.28210		
93	12	3.72722	26.06892	0.65054	0.14297	0.25017	0.65054	0.14291	0.25008	3.65447	22.20360	0.65450	0.16458	0.28264	0.65450	0.16452	0.28255		
93	13	3.72722	25.99388	0.65054	0.14338	0.25080	0.65054	0.14331	0.25070	3.65447	22.15929	0.65450	0.16490	0.28312	0.65450	0.16483	0.28302		
93	14	3.72722	25.91617	0.65054	0.14381	0.25145	0.65054	0.14373	0.25134	3.65447	22.11310	0.65450	0.16525	0.28362	0.65450	0.16516	0.28350		
93	15	3.72722	25.83587	0.65054	0.14425	0.25213	0.65054	0.14416	0.25200	3.65447	22.06509	0.65450	0.16560	0.28415	0.65450	0.16551	0.28401		
93	16	3.72722	25.75319	0.65054	0.14471	0.25284	0.65054	0.14461	0.25269	3.65447	22.01544	0.65450	0.16597	0.28470	0.65450	0.16587	0.28454		
93	17	3.72722	25.66857	0.65054	0.14519	0.25356	0.65054	0.14508	0.25340	3.65447	21.96453	0.65450	0.16636	0.28526	0.65450	0.16624	0.28509		
93	18	3.72722	25.58235	0.65054	0.14568	0.25431	0.65054	0.14557	0.25415	3.65447	21.91267	0.65450	0.16675	0.28584	0.65450	0.16663	0.28567		
93	19	3.72722	25.49361	0.65054	0.14618	0.25508	0.65054	0.14608	0.25493	3.65447	21.85907	0.65450	0.16716	0.28644	0.65450	0.16705	0.28628		
93	20	3.72722	25.40164	0.65054	0.14672	0.25589	0.65054	0.14662	0.25575	3.65447	21.80312	0.65450	0.16759	0.28707	0.65450	0.16749	0.28692		
93	21	3.72722	25.30562	0.65054	0.14727	0.25674	0.65054	0.14719	0.25661	3.65447	21.74411	0.65450	0.16805	0.28774	0.65450	0.16795	0.28760		
93	22	3.72722	25.20517	0.65054	0.14786	0.25763	0.65054	0.14778	0.25751	3.65447	21.68171	0.65450	0.16853	0.28845	0.65450	0.16845	0.28833		
93	23	3.72722	25.09967	0.65054	0.14848	0.25857	0.65054	0.14841	0.25846	3.65447	21.61537	0.65450	0.16905	0.28921	0.65450	0.16897	0.28909		
93	24	3.72722	24.98936	0.65054	0.14914	0.25957	0.65054	0.14906	0.25945	3.65447	21.54528	0.65450	0.16960	0.29002	0.65450	0.16952	0.28989		
93	25	3.72722	24.87419	0.65054	0.14983	0.26061	0.65054	0.14975	0.26049	3.65447	21.47137	0.65450	0.17018	0.29087	0.65450	0.17010	0.29074		
93	26	3.72722	24.75420	0.65054	0.15055	0.26171	0.65054	0.15046	0.26157	3.65447	21.39367	0.65450	0.17080	0.29177	0.65450	0.17070	0.29163		
93	27	3.72722	24.62994	0.65054	0.15131	0.26285	0.65054	0.15121	0.26270	3.65447	21.31262	0.65450	0.17145	0.29271	0.65450	0.17134	0.29256		
93	28	3.72722	24.50119	0.65054	0.15210	0.26405	0.65054	0.15200	0.26389	3.65447	21.22804	0.65450	0.17213	0.29370	0.65450	0.17201	0.29353		
93	29	3.72722	24.36788	0.65054	0.15293	0.26530	0.65054	0.15282	0.26512	3.65447	21.13984	0.65450	0.17284	0.29474	0.65450	0.17272	0.29456		
93	30	3.72722	24.23009	0.65054	0.15380	0.26660	0.65054	0.15368	0.26641	3.65447	21.04806	0.65450	0.17360	0.29584	0.65450	0.17346	0.29564		
93	31	3.72722	24.08752	0.65054	0.15471	0.26797	0.65054	0.15457	0.26776	3.65447	20.95246	0.65450	0.17439	0.29698	0.65450	0.17424	0.29677		
93	32	3.72722	23.94006	0.65054	0.15566	0.26939	0.65054	0.15551	0.26917	3.65447	20.85289	0.65450	0.17522	0.29819	0.65450	0.17506	0.29795		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
93	33	3.72722	23.78740	0.65054	0.15666	0.27088	0.65054	0.15650	0.27065	3.65447	20.74907	0.65450	0.17609	0.29945	0.65450	0.17592	0.29920
93	34	3.72722	23.62942	0.65054	0.15770	0.27244	0.65054	0.15754	0.27219	3.65447	20.64088	0.65450	0.17701	0.30078	0.65450	0.17683	0.30052
93	35	3.72722	23.46579	0.65054	0.15880	0.27408	0.65054	0.15862	0.27381	3.65447	20.52800	0.65450	0.17798	0.30218	0.65450	0.17779	0.30190
93	36	3.72722	23.29632	0.65054	0.15996	0.27580	0.65054	0.15977	0.27551	3.65447	20.41023	0.65450	0.17901	0.30366	0.65450	0.17880	0.30336
93	37	3.72722	23.12089	0.65054	0.16117	0.27759	0.65054	0.16097	0.27730	3.65447	20.28745	0.65450	0.18009	0.30521	0.65450	0.17987	0.30490
93	38	3.72722	22.93911	0.65054	0.16244	0.27948	0.65054	0.16223	0.27917	3.65447	20.15926	0.65450	0.18123	0.30685	0.65450	0.18100	0.30652
93	39	3.72722	22.75087	0.65054	0.16378	0.28147	0.65054	0.16356	0.28113	3.65447	20.02555	0.65450	0.18244	0.30858	0.65450	0.18220	0.30823
93	40	3.72722	22.55572	0.65054	0.16520	0.28355	0.65054	0.16496	0.28320	3.65447	19.88587	0.65450	0.18371	0.31040	0.65450	0.18346	0.31004
93	41	3.72722	22.35340	0.65054	0.16669	0.28575	0.65054	0.16643	0.28537	3.65447	19.73995	0.65450	0.18507	0.31233	0.65450	0.18479	0.31194
93	42	3.72722	22.14385	0.65054	0.16826	0.28806	0.65054	0.16799	0.28765	3.65447	19.58769	0.65450	0.18650	0.31437	0.65450	0.18621	0.31395
93	43	3.72722	21.92669	0.65054	0.16992	0.29049	0.65054	0.16962	0.29005	3.65447	19.42870	0.65450	0.18802	0.31653	0.65450	0.18770	0.31608
93	44	3.72722	21.70178	0.65054	0.17168	0.29305	0.65054	0.17135	0.29257	3.65447	19.26280	0.65450	0.18964	0.31881	0.65450	0.18929	0.31832
93	45	3.72722	21.46876	0.65054	0.17354	0.29575	0.65054	0.17317	0.29522	3.65447	19.08963	0.65450	0.19135	0.32123	0.65450	0.19096	0.32069
93	46	3.72722	21.22763	0.65054	0.17550	0.29859	0.65054	0.17509	0.29801	3.65447	18.90911	0.65450	0.19316	0.32378	0.65450	0.19274	0.32319
93	47	3.72722	20.97813	0.65054	0.17757	0.30159	0.65054	0.17712	0.30094	3.65447	18.72094	0.65450	0.19509	0.32649	0.65450	0.19462	0.32582
93	48	3.72722	20.72003	0.65054	0.17977	0.30476	0.65054	0.17926	0.30402	3.65447	18.52488	0.65450	0.19714	0.32935	0.65450	0.19660	0.32860
93	49	3.72722	20.45326	0.65054	0.18210	0.30810	0.65054	0.18151	0.30726	3.65447	18.32076	0.65450	0.19932	0.33239	0.65450	0.19870	0.33153
93	50	3.72722	20.17742	0.65054	0.18457	0.31162	0.65054	0.18389	0.31065	3.65447	18.10816	0.65450	0.20163	0.33560	0.65450	0.20092	0.33461
93	51	3.72722	19.89339	0.65054	0.18718	0.31533	0.65054	0.18639	0.31421	3.65447	17.88781	0.65450	0.20409	0.33899	0.65450	0.20326	0.33786
93	52	3.72722	19.60122	0.65054	0.18994	0.31924	0.65054	0.18903	0.31795	3.65447	17.65967	0.65450	0.20669	0.34257	0.65450	0.20574	0.34127
93	53	3.72722	19.30125	0.65054	0.19286	0.32335	0.65054	0.19181	0.32188	3.65447	17.42398	0.65450	0.20945	0.34635	0.65450	0.20835	0.34486
93	54	3.72722	18.99375	0.65054	0.19594	0.32768	0.65054	0.19474	0.32600	3.65447	17.18091	0.65450	0.21237	0.35034	0.65450	0.21112	0.34863
93	55	3.72722	18.67912	0.65054	0.19920	0.33222	0.65054	0.19784	0.33032	3.65447	16.93076	0.65450	0.21546	0.35453	0.65450	0.21404	0.35261
93	56	3.72722	18.35803	0.65054	0.20264	0.33699	0.65054	0.20112	0.33488	3.65447	16.67407	0.65450	0.21873	0.35894	0.65450	0.21715	0.35681
93	57	3.72722	18.02853	0.65054	0.20630	0.34203	0.65054	0.20459	0.33968	3.65447	16.40902	0.65450	0.22221	0.36362	0.65450	0.22044	0.36125
93	58	3.72722	17.69065	0.65054	0.21018	0.34735	0.65054	0.20827	0.34474	3.65447	16.13552	0.65450	0.22591	0.36856	0.65450	0.22394	0.36593
93	59	3.72722	17.34441	0.65054	0.21431	0.35298	0.65054	0.21218	0.35008	3.65447	15.85354	0.65450	0.22986	0.37380	0.65450	0.22766	0.37089
93	60	3.72722	16.98967	0.65054	0.21872	0.35893	0.65054	0.21634	0.35572	3.65447	15.56284	0.65450	0.23407	0.37935	0.65450	0.23163	0.37613
93	61	3.72722	16.62627	0.65054	0.22341	0.36523	0.65054	0.22076	0.36167	3.65447	15.26320	0.65450	0.23858	0.38524	0.65450	0.23585	0.38168
93	62	3.72722	16.25423	0.65054	0.22843	0.37190	0.65054	0.22546	0.36796	3.65447	14.95454	0.65450	0.24339	0.39150	0.65450	0.24036	0.38756
93	63	3.72722	15.87341	0.65054	0.23380	0.37899	0.65054	0.23047	0.37461	3.65447	14.63664	0.65450	0.24856	0.39815	0.65450	0.24516	0.39379
93	64	3.72722	15.48353	0.65054	0.23955	0.38651	0.65054	0.23582	0.38164	3.65447	14.30913	0.65450	0.25410	0.40523	0.65450	0.25030	0.40039
93	65	3.72722	15.08480	0.65054	0.24572	0.39450	0.65054	0.24152	0.38908	3.65447	13.97213	0.65450	0.26005	0.41277	0.65450	0.25579	0.40738
93	66	3.72722	14.67724	0.65054	0.25235	0.40300	0.65054	0.24761	0.39693	3.65447	13.62552	0.65450	0.26646	0.42080	0.65450	0.26165	0.41478
93	67	3.72722	14.26104	0.65054	0.25947	0.41204	0.65054	0.25410	0.40523	3.65447	13.26940	0.65450	0.27336	0.42935	0.65450	0.26792	0.42261
93	68	3.72722	13.83657	0.65054	0.26715	0.42165	0.65054	0.26103	0.41400	3.65447	12.90401	0.65450	0.28079	0.43847	0.65450	0.27462	0.43090
93	69	3.72722	13.40435	0.65054	0.27541	0.43187	0.65054	0.26843	0.42325	3.65447	12.52973	0.65450	0.28881	0.44818	0.65450	0.28177	0.43966
93	70	3.72722	12.96501	0.65054	0.28431	0.44274	0.65054	0.27632	0.43299	3.65447	12.14706	0.65450	0.29745	0.45851	0.65450	0.28941	0.44890
93	71	3.72722	12.51927	0.65054	0.29390	0.45429	0.65054	0.28473	0.44325	3.65447	11.75658	0.65450	0.30677	0.46951	0.65450	0.29757	0.45865
93	72	3.72722	12.06792	0.65054	0.30424	0.46654	0.65054	0.29370	0.45404	3.65447	11.35893	0.65450	0.31683	0.48120	0.65450	0.30627	0.46892
93	73	3.72722	11.61185	0.65054	0.31539	0.47954	0.65054	0.30325	0.46538	3.65447	10.95491	0.65450	0.32768	0.49361	0.65450	0.31554	0.47972

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**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
93	74	3.72722	11.15217	0.65054	0.32741	0.49330	0.65054	0.31342	0.47726	3.65447	10.54549	0.65450	0.33938	0.50677	0.65450	0.32542	0.49105
93	75	3.72722	10.68986	0.65054	0.34035	0.50785	0.65054	0.32423	0.48969	3.65447	10.13154	0.65450	0.35199	0.52069	0.65450	0.33594	0.50292
93	76	3.72722	10.22626	0.65054	0.35429	0.52321	0.65054	0.33571	0.50267	3.65447	9.71428	0.65450	0.36556	0.53540	0.65450	0.34711	0.51534
93	77	3.72722	9.76277	0.65054	0.36926	0.53936	0.65054	0.34789	0.51620	3.65447	9.29502	0.65450	0.38016	0.55089	0.65450	0.35896	0.52828
93	78	3.72722	9.30064	0.65054	0.38534	0.55631	0.65054	0.36077	0.53024	3.65447	8.87492	0.65450	0.39583	0.56717	0.65450	0.37151	0.54175
93	79	3.72722	8.84103	0.65054	0.40258	0.57405	0.65054	0.37438	0.54479	3.65447	8.45509	0.65450	0.41264	0.58421	0.65450	0.38476	0.55571
93	80	3.72722	8.38551	0.65054	0.42100	0.59254	0.65054	0.38870	0.55981	3.65447	8.03703	0.65450	0.43060	0.60199	0.65450	0.39873	0.57013
93	81	3.72722	7.93532	0.65054	0.44064	0.61173	0.65054	0.40375	0.57524	3.65447	7.62196	0.65450	0.44975	0.62046	0.65450	0.41341	0.58498
93	82	3.72722	7.49211	0.65054	0.46149	0.63153	0.65054	0.41949	0.59104	3.65447	7.21152	0.65450	0.47009	0.63954	0.65450	0.42877	0.60019
93	83	3.72722	7.05756	0.65054	0.48352	0.65186	0.65054	0.43589	0.60714	3.65447	6.80735	0.65450	0.49158	0.65914	0.65450	0.44478	0.61570
93	84	3.72722	6.63342	0.65054	0.50667	0.67257	0.65054	0.45291	0.62345	3.65447	6.41122	0.65450	0.51416	0.67914	0.65450	0.46139	0.63144
93	85	3.72722	6.22156	0.65054	0.53081	0.69350	0.65054	0.47047	0.63989	3.65447	6.02503	0.65450	0.53772	0.69937	0.65450	0.47855	0.64732
93	86	3.72722	5.82374	0.65054	0.55580	0.71448	0.65054	0.48849	0.65636	3.65447	5.65055	0.65450	0.56210	0.71967	0.65450	0.49616	0.66324
93	87	3.72722	5.44155	0.65054	0.58142	0.73531	0.65054	0.50688	0.67276	3.65447	5.28949	0.65450	0.58712	0.73985	0.65450	0.51414	0.67911
93	88	3.72722	5.07613	0.65054	0.60747	0.75581	0.65054	0.52554	0.68899	3.65447	4.94306	0.65450	0.61256	0.75973	0.65450	0.53238	0.69484
93	89	3.72722	4.72862	0.65054	0.63368	0.77577	0.65054	0.54435	0.70495	3.65447	4.61250	0.65450	0.63817	0.77912	0.65450	0.55078	0.71032
93	90	3.72722	4.40007	0.65054	0.65977	0.79501	0.65054	0.56318	0.72056	3.65447	4.29901	0.65450	0.66367	0.79784	0.65450	0.56921	0.72547
93	91	3.72722	4.09149	0.65054	0.68543	0.81336	0.65054	0.58192	0.73571	3.65447	4.00370	0.65450	0.68877	0.81571	0.65450	0.58755	0.74020
93	92	3.72722	3.80354	0.65054	0.71037	0.83066	0.65054	0.60046	0.75036	3.65447	3.72738	0.65450	0.71319	0.83259	0.65450	0.60571	0.75445
93	93	3.72722	3.53621	0.65054	0.73435	0.84683	0.65054	0.61872	0.76446	3.65447	3.47020	0.65450	0.73669	0.84838	0.65450	0.62360	0.76817
93	94	3.72722	3.28870	0.65054	0.75721	0.86183	0.65054	0.63661	0.77796	3.65447	3.23152	0.65450	0.75911	0.86306	0.65450	0.64114	0.78133
93	95	3.72722	3.05955	0.65054	0.77884	0.87567	0.65054	0.65406	0.79086	3.65447	3.01004	0.65450	0.78034	0.87662	0.65450	0.65825	0.79391
93	96	3.72722	2.84646	0.65054	0.79918	0.88838	0.65054	0.67096	0.80308	3.65447	2.80360	0.65450	0.80035	0.88910	0.65450	0.67483	0.80585
93	97	3.72722	2.65226	0.65054	0.81793	0.89985	0.65054	0.68718	0.81459	3.65447	2.61510	0.65450	0.81880	0.90038	0.65450	0.69076	0.81710
93	98	3.72722	2.47567	0.65054	0.83509	0.91014	0.65054	0.70270	0.82539	3.65447	2.44340	0.65450	0.83572	0.91051	0.65450	0.70599	0.82766
93	99	3.72722	2.31535	0.65054	0.85070	0.91933	0.65054	0.71749	0.83551	3.65447	2.28724	0.65450	0.85112	0.91958	0.65450	0.72052	0.83756
93	100	3.72722	2.16976	0.65054	0.86485	0.92753	0.65054	0.73156	0.84497	3.65447	2.14523	0.65450	0.86510	0.92767	0.65450	0.73435	0.84683
93	101	3.72722	2.03734	0.65054	0.87762	0.93482	0.65054	0.74490	0.85380	3.65447	2.01587	0.65450	0.87774	0.93489	0.65450	0.74748	0.85549
93	102	3.72722	1.91714	0.65054	0.88910	0.94129	0.65054	0.75750	0.86202	3.65447	1.89830	0.65450	0.88910	0.94130	0.65450	0.75988	0.86356
93	103	3.72722	1.80800	0.65054	0.89937	0.94702	0.65054	0.76935	0.86964	3.65447	1.79140	0.65450	0.89929	0.94698	0.65450	0.77155	0.87104
93	104	3.72722	1.70943	0.65054	0.90850	0.95206	0.65054	0.78041	0.87667	3.65447	1.69474	0.65450	0.90836	0.95198	0.65450	0.78245	0.87795
93	105	3.72722	1.62048	0.65054	0.91658	0.95648	0.65054	0.79067	0.88310	3.65447	1.60741	0.65450	0.91639	0.95637	0.65450	0.79257	0.88428
93	106	3.72722	1.54080	0.65054	0.92365	0.96031	0.65054	0.80004	0.88891	3.65447	1.52911	0.65450	0.92342	0.96019	0.65450	0.80181	0.89001
93	107	3.72722	1.47009	0.65054	0.92974	0.96359	0.65054	0.80840	0.89405	3.65447	1.45954	0.65450	0.92949	0.96346	0.65450	0.81007	0.89507
93	108	3.72722	1.40861	0.65054	0.93483	0.96632	0.65054	0.81553	0.89840	3.65447	1.39898	0.65450	0.93458	0.96618	0.65450	0.81713	0.89936
93	109	3.72722	1.35764	0.65054	0.93883	0.96845	0.65054	0.82114	0.90178	3.65447	1.34871	0.65450	0.93858	0.96832	0.65450	0.82268	0.90272
93	110	3.72722	1.32125	0.65054	0.94156	0.96990	0.65054	0.82491	0.90405	3.65447	1.31279	0.65450	0.94130	0.96976	0.65450	0.82642	0.90496
94	1	3.45964	26.72925	0.63330	0.12943	0.22919	0.63330	0.12939	0.22913	3.39681	22.57586	0.63737	0.15045	0.26156	0.63737	0.15041	0.26149
94	2	3.45964	26.68154	0.63330	0.12966	0.22955	0.63330	0.12962	0.22950	3.39681	22.55058	0.63737	0.15062	0.26181	0.63737	0.15059	0.26175
94	3	3.45964	26.63112	0.63330	0.12990	0.22994	0.63330	0.12987	0.22989	3.39681	22.52338	0.63737	0.15081	0.26209	0.63737	0.15077	0.26204
94	4	3.45964	26.57806	0.63330	0.13016	0.23035	0.63330	0.13013	0.23030	3.39681	22.49433	0.63737	0.15100	0.26238	0.63737	0.15097	0.26233

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
94	5	3.45964	26.52283	0.63330	0.13044	0.23077	0.63330	0.13040	0.23072	3.39681	22.46379	0.63737	0.15121	0.26269	0.63737	0.15117	0.26264
94	6	3.45964	26.46539	0.63330	0.13072	0.23121	0.63330	0.13069	0.23117	3.39681	22.43176	0.63737	0.15142	0.26302	0.63737	0.15139	0.26297
94	7	3.45964	26.40551	0.63330	0.13101	0.23168	0.63330	0.13098	0.23163	3.39681	22.39806	0.63737	0.15165	0.26336	0.63737	0.15162	0.26331
94	8	3.45964	26.34335	0.63330	0.13132	0.23216	0.63330	0.13129	0.23211	3.39681	22.36278	0.63737	0.15189	0.26372	0.63737	0.15185	0.26367
94	9	3.45964	26.27867	0.63330	0.13165	0.23266	0.63330	0.13161	0.23261	3.39681	22.32575	0.63737	0.15214	0.26410	0.63737	0.15210	0.26404
94	10	3.45964	26.21121	0.63330	0.13198	0.23319	0.63330	0.13195	0.23313	3.39681	22.28674	0.63737	0.15241	0.26450	0.63737	0.15236	0.26444
94	11	3.45964	26.14141	0.63330	0.13234	0.23374	0.63330	0.13229	0.23367	3.39681	22.24611	0.63737	0.15268	0.26492	0.63737	0.15264	0.26485
94	12	3.45964	26.06892	0.63330	0.13270	0.23431	0.63330	0.13266	0.23424	3.39681	22.20360	0.63737	0.15298	0.26536	0.63737	0.15292	0.26528
94	13	3.45964	25.99388	0.63330	0.13309	0.23491	0.63330	0.13303	0.23482	3.39681	22.15929	0.63737	0.15328	0.26582	0.63737	0.15322	0.26572
94	14	3.45964	25.91617	0.63330	0.13348	0.23553	0.63330	0.13342	0.23543	3.39681	22.11310	0.63737	0.15360	0.26629	0.63737	0.15353	0.26619
94	15	3.45964	25.83587	0.63330	0.13390	0.23617	0.63330	0.13382	0.23605	3.39681	22.06509	0.63737	0.15393	0.26679	0.63737	0.15385	0.26667
94	16	3.45964	25.75319	0.63330	0.13432	0.23684	0.63330	0.13424	0.23670	3.39681	22.01544	0.63737	0.15427	0.26731	0.63737	0.15418	0.26717
94	17	3.45964	25.66857	0.63330	0.13477	0.23752	0.63330	0.13467	0.23738	3.39681	21.96453	0.63737	0.15463	0.26784	0.63737	0.15453	0.26769
94	18	3.45964	25.58235	0.63330	0.13522	0.23823	0.63330	0.13513	0.23808	3.39681	21.91267	0.63737	0.15500	0.26839	0.63737	0.15489	0.26824
94	19	3.45964	25.49361	0.63330	0.13569	0.23896	0.63330	0.13560	0.23882	3.39681	21.85907	0.63737	0.15538	0.26896	0.63737	0.15528	0.26882
94	20	3.45964	25.40164	0.63330	0.13618	0.23972	0.63330	0.13610	0.23959	3.39681	21.80312	0.63737	0.15578	0.26956	0.63737	0.15569	0.26943
94	21	3.45964	25.30562	0.63330	0.13670	0.24052	0.63330	0.13663	0.24041	3.39681	21.74411	0.63737	0.15620	0.27020	0.63737	0.15612	0.27007
94	22	3.45964	25.20517	0.63330	0.13725	0.24137	0.63330	0.13718	0.24126	3.39681	21.68171	0.63737	0.15665	0.27087	0.63737	0.15658	0.27076
94	23	3.45964	25.09967	0.63330	0.13783	0.24226	0.63330	0.13776	0.24216	3.39681	21.61537	0.63737	0.15713	0.27159	0.63737	0.15706	0.27148
94	24	3.45964	24.98936	0.63330	0.13843	0.24320	0.63330	0.13837	0.24310	3.39681	21.54528	0.63737	0.15765	0.27236	0.63737	0.15757	0.27225
94	25	3.45964	24.87419	0.63330	0.13907	0.24419	0.63330	0.13900	0.24408	3.39681	21.47137	0.63737	0.15819	0.27316	0.63737	0.15811	0.27305
94	26	3.45964	24.75420	0.63330	0.13975	0.24522	0.63330	0.13967	0.24511	3.39681	21.39367	0.63737	0.15876	0.27402	0.63737	0.15868	0.27389
94	27	3.45964	24.62994	0.63330	0.14045	0.24631	0.63330	0.14037	0.24618	3.39681	21.31262	0.63737	0.15936	0.27491	0.63737	0.15927	0.27478
94	28	3.45964	24.50119	0.63330	0.14119	0.24744	0.63330	0.14109	0.24730	3.39681	21.22804	0.63737	0.16000	0.27586	0.63737	0.15989	0.27571
94	29	3.45964	24.36788	0.63330	0.14196	0.24862	0.63330	0.14186	0.24847	3.39681	21.13984	0.63737	0.16066	0.27685	0.63737	0.16055	0.27668
94	30	3.45964	24.23009	0.63330	0.14276	0.24986	0.63330	0.14265	0.24969	3.39681	21.04806	0.63737	0.16136	0.27788	0.63737	0.16124	0.27770
94	31	3.45964	24.08752	0.63330	0.14361	0.25115	0.63330	0.14349	0.25096	3.39681	20.95246	0.63737	0.16209	0.27897	0.63737	0.16196	0.27878
94	32	3.45964	23.94006	0.63330	0.14449	0.25250	0.63330	0.14436	0.25230	3.39681	20.85289	0.63737	0.16287	0.28011	0.63737	0.16273	0.27991
94	33	3.45964	23.78740	0.63330	0.14542	0.25391	0.63330	0.14528	0.25370	3.39681	20.74907	0.63737	0.16368	0.28131	0.63737	0.16353	0.28109
94	34	3.45964	23.62942	0.63330	0.14639	0.25539	0.63330	0.14624	0.25516	3.39681	20.64088	0.63737	0.16454	0.28258	0.63737	0.16438	0.28234
94	35	3.45964	23.46579	0.63330	0.14741	0.25694	0.63330	0.14725	0.25670	3.39681	20.52800	0.63737	0.16544	0.28391	0.63737	0.16527	0.28366
94	36	3.45964	23.29632	0.63330	0.14848	0.25856	0.63330	0.14831	0.25831	3.39681	20.41023	0.63737	0.16639	0.28531	0.63737	0.16621	0.28505
94	37	3.45964	23.12089	0.63330	0.14960	0.26027	0.63330	0.14943	0.26000	3.39681	20.28745	0.63737	0.16740	0.28679	0.63737	0.16721	0.28651
94	38	3.45964	22.93911	0.63330	0.15079	0.26206	0.63330	0.15060	0.26177	3.39681	20.15926	0.63737	0.16846	0.28834	0.63737	0.16826	0.28805
94	39	3.45964	22.75087	0.63330	0.15203	0.26394	0.63330	0.15183	0.26364	3.39681	20.02555	0.63737	0.16958	0.28999	0.63737	0.16937	0.28968
94	40	3.45964	22.55572	0.63330	0.15334	0.26591	0.63330	0.15313	0.26560	3.39681	19.88587	0.63737	0.17077	0.29172	0.63737	0.17054	0.29139
94	41	3.45964	22.35340	0.63330	0.15473	0.26799	0.63330	0.15450	0.26765	3.39681	19.73995	0.63737	0.17203	0.29356	0.63737	0.17179	0.29321
94	42	3.45964	22.14385	0.63330	0.15619	0.27018	0.63330	0.15595	0.26982	3.39681	19.58769	0.63737	0.17336	0.29550	0.63737	0.17310	0.29512
94	43	3.45964	21.92669	0.63330	0.15773	0.27249	0.63330	0.15747	0.27210	3.39681	19.42870	0.63737	0.17478	0.29755	0.63737	0.17450	0.29714
94	44	3.45964	21.70178	0.63330	0.15936	0.27491	0.63330	0.15908	0.27449	3.39681	19.26280	0.63737	0.17628	0.29972	0.63737	0.17597	0.29928
94	45	3.45964	21.46876	0.63330	0.16109	0.27748	0.63330	0.16077	0.27701	3.39681	19.08963	0.63737	0.17787	0.30202	0.63737	0.17753	0.30154

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
94	46	3.45964	21.22763	0.63330	0.16291	0.28018	0.63330	0.16256	0.27966	3.39681	18.90911	0.63737	0.17956	0.30445	0.63737	0.17919	0.30392
94	47	3.45964	20.97813	0.63330	0.16484	0.28302	0.63330	0.16445	0.28245	3.39681	18.72094	0.63737	0.18135	0.30703	0.63737	0.18094	0.30643
94	48	3.45964	20.72003	0.63330	0.16688	0.28603	0.63330	0.16644	0.28538	3.39681	18.52488	0.63737	0.18326	0.30975	0.63737	0.18279	0.30909
94	49	3.45964	20.45326	0.63330	0.16905	0.28920	0.63330	0.16854	0.28846	3.39681	18.32076	0.63737	0.18529	0.31264	0.63737	0.18475	0.31188
94	50	3.45964	20.17742	0.63330	0.17134	0.29255	0.63330	0.17075	0.29169	3.39681	18.10816	0.63737	0.18744	0.31571	0.63737	0.18682	0.31483
94	51	3.45964	19.89339	0.63330	0.17377	0.29608	0.63330	0.17308	0.29509	3.39681	17.88781	0.63737	0.18973	0.31894	0.63737	0.18901	0.31793
94	52	3.45964	19.60122	0.63330	0.17633	0.29980	0.63330	0.17554	0.29865	3.39681	17.65967	0.63737	0.19215	0.32236	0.63737	0.19132	0.32119
94	53	3.45964	19.30125	0.63330	0.17904	0.30371	0.63330	0.17813	0.30239	3.39681	17.42398	0.63737	0.19472	0.32597	0.63737	0.19376	0.32463
94	54	3.45964	18.99375	0.63330	0.18191	0.30783	0.63330	0.18086	0.30633	3.39681	17.18091	0.63737	0.19744	0.32977	0.63737	0.19634	0.32824
94	55	3.45964	18.67912	0.63330	0.18494	0.31216	0.63330	0.18375	0.31046	3.39681	16.93076	0.63737	0.20032	0.33378	0.63737	0.19908	0.33205
94	56	3.45964	18.35803	0.63330	0.18814	0.31670	0.63330	0.18681	0.31481	3.39681	16.67407	0.63737	0.20336	0.33799	0.63737	0.20198	0.33607
94	57	3.45964	18.02853	0.63330	0.19154	0.32151	0.63330	0.19005	0.31940	3.39681	16.40902	0.63737	0.20660	0.34246	0.63737	0.20505	0.34032
94	58	3.45964	17.69065	0.63330	0.19516	0.32658	0.63330	0.19349	0.32424	3.39681	16.13552	0.63737	0.21006	0.34719	0.63737	0.20832	0.34482
94	59	3.45964	17.34441	0.63330	0.19900	0.33195	0.63330	0.19714	0.32935	3.39681	15.85354	0.63737	0.21374	0.35220	0.63737	0.21181	0.34957
94	60	3.45964	16.98967	0.63330	0.20310	0.33763	0.63330	0.20102	0.33474	3.39681	15.56284	0.63737	0.21767	0.35751	0.63737	0.21551	0.35461
94	61	3.45964	16.62627	0.63330	0.20747	0.34365	0.63330	0.20514	0.34045	3.39681	15.26320	0.63737	0.22187	0.36316	0.63737	0.21947	0.35994
94	62	3.45964	16.25423	0.63330	0.21214	0.35003	0.63330	0.20954	0.34648	3.39681	14.95454	0.63737	0.22636	0.36916	0.63737	0.22369	0.36559
94	63	3.45964	15.87341	0.63330	0.21714	0.35681	0.63330	0.21423	0.35287	3.39681	14.63664	0.63737	0.23118	0.37554	0.63737	0.22819	0.37159
94	64	3.45964	15.48353	0.63330	0.22250	0.36401	0.63330	0.21924	0.35963	3.39681	14.30913	0.63737	0.23635	0.38234	0.63737	0.23301	0.37795
94	65	3.45964	15.08480	0.63330	0.22826	0.37168	0.63330	0.22458	0.36678	3.39681	13.97213	0.63737	0.24191	0.38958	0.63737	0.23816	0.38470
94	66	3.45964	14.67724	0.63330	0.23444	0.37983	0.63330	0.23028	0.37436	3.39681	13.62552	0.63737	0.24790	0.39731	0.63737	0.24367	0.39185
94	67	3.45964	14.26104	0.63330	0.24109	0.38852	0.63330	0.23638	0.38237	3.39681	13.26940	0.63737	0.25435	0.40555	0.63737	0.24956	0.39943
94	68	3.45964	13.83657	0.63330	0.24826	0.39777	0.63330	0.24289	0.39085	3.39681	12.90401	0.63737	0.26131	0.41435	0.63737	0.25586	0.40747
94	69	3.45964	13.40435	0.63330	0.25599	0.40763	0.63330	0.24985	0.39981	3.39681	12.52973	0.63737	0.26882	0.42373	0.63737	0.26261	0.41597
94	70	3.45964	12.96501	0.63330	0.26432	0.41812	0.63330	0.25728	0.40927	3.39681	12.14706	0.63737	0.27692	0.43373	0.63737	0.26982	0.42497
94	71	3.45964	12.51927	0.63330	0.27330	0.42928	0.63330	0.26522	0.41925	3.39681	11.75658	0.63737	0.28567	0.44439	0.63737	0.27753	0.43447
94	72	3.45964	12.06792	0.63330	0.28301	0.44116	0.63330	0.27369	0.42976	3.39681	11.35893	0.63737	0.29512	0.45575	0.63737	0.28576	0.44450
94	73	3.45964	11.61185	0.63330	0.29348	0.45378	0.63330	0.28274	0.44084	3.39681	10.95491	0.63737	0.30534	0.46783	0.63737	0.29456	0.45508
94	74	3.45964	11.15217	0.63330	0.30478	0.46718	0.63330	0.29238	0.45247	3.39681	10.54549	0.63737	0.31637	0.48067	0.63737	0.30395	0.46620
94	75	3.45964	10.68986	0.63330	0.31699	0.48138	0.63330	0.30266	0.46468	3.39681	10.13154	0.63737	0.32828	0.49429	0.63737	0.31396	0.47789
94	76	3.45964	10.22626	0.63330	0.33015	0.49641	0.63330	0.31360	0.47747	3.39681	9.71428	0.63737	0.34113	0.50872	0.63737	0.32463	0.49014
94	77	3.45964	9.76277	0.63330	0.34434	0.51228	0.63330	0.32523	0.49083	3.39681	9.29502	0.63737	0.35498	0.52396	0.63737	0.33596	0.50295
94	78	3.45964	9.30064	0.63330	0.35960	0.52898	0.63330	0.33757	0.50475	3.39681	8.87492	0.63737	0.36989	0.54003	0.63737	0.34800	0.51632
94	79	3.45964	8.84103	0.63330	0.37602	0.54653	0.63330	0.35064	0.51922	3.39681	8.45509	0.63737	0.38593	0.55693	0.63737	0.36076	0.53023
94	80	3.45964	8.38551	0.63330	0.39363	0.56490	0.63330	0.36445	0.53421	3.39681	8.03703	0.63737	0.40313	0.57462	0.63737	0.37425	0.54466
94	81	3.45964	7.93532	0.63330	0.41248	0.58405	0.63330	0.37900	0.54967	3.39681	7.62196	0.63737	0.42155	0.59308	0.63737	0.38846	0.55955
94	82	3.45964	7.49211	0.63330	0.43257	0.60391	0.63330	0.39427	0.56556	3.39681	7.21152	0.63737	0.44119	0.61225	0.63737	0.40339	0.57488
94	83	3.45964	7.05756	0.63330	0.45391	0.62440	0.63330	0.41025	0.58182	3.39681	6.80735	0.63737	0.46204	0.63205	0.63737	0.41901	0.59057
94	84	3.45964	6.63342	0.63330	0.47645	0.64540	0.63330	0.42690	0.59836	3.39681	6.41122	0.63737	0.48406	0.65235	0.63737	0.43529	0.60655
94	85	3.45964	6.22156	0.63330	0.50010	0.66675	0.63330	0.44415	0.61510	3.39681	6.02503	0.63737	0.50717	0.67301	0.63737	0.45216	0.62274
94	86	3.45964	5.82374	0.63330	0.52472	0.68829	0.63330	0.46193	0.63194	3.39681	5.65055	0.63737	0.53124	0.69387	0.63737	0.46956	0.63905

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
94	87	3.45964	5.44155	0.63330	0.55016	0.70981	0.63330	0.48015	0.64878	3.39681	5.28949	0.63737	0.55610	0.71474	0.63737	0.48739	0.65537
94	88	3.45964	5.07613	0.63330	0.57620	0.73113	0.63330	0.49871	0.66552	3.39681	4.94306	0.63737	0.58157	0.73543	0.63737	0.50557	0.67160
94	89	3.45964	4.72862	0.63330	0.60261	0.75203	0.63330	0.51751	0.68205	3.39681	4.61250	0.63737	0.60740	0.75575	0.63737	0.52399	0.68765
94	90	3.45964	4.40007	0.63330	0.62909	0.77232	0.63330	0.53643	0.69828	3.39681	4.29901	0.63737	0.63332	0.77550	0.63737	0.54252	0.70342
94	91	3.45964	4.09149	0.63330	0.65536	0.79180	0.63330	0.55533	0.71410	3.39681	4.00370	0.63737	0.65903	0.79448	0.63737	0.56104	0.71881
94	92	3.45964	3.80354	0.63330	0.68110	0.81030	0.63330	0.57412	0.72945	3.39681	3.72738	0.63737	0.68425	0.81253	0.63737	0.57946	0.73375
94	93	3.45964	3.53621	0.63330	0.70606	0.82771	0.63330	0.59270	0.74427	3.39681	3.47020	0.63737	0.70871	0.82953	0.63737	0.59769	0.74819
94	94	3.45964	3.28870	0.63330	0.73004	0.84396	0.63330	0.61099	0.75852	3.39681	3.23152	0.63737	0.73224	0.84543	0.63737	0.61563	0.76209
94	95	3.45964	3.05955	0.63330	0.75291	0.85904	0.63330	0.62890	0.77218	3.39681	3.01004	0.63737	0.75470	0.86021	0.63737	0.63321	0.77542
94	96	3.45964	2.84646	0.63330	0.77460	0.87298	0.63330	0.64632	0.78517	3.39681	2.80360	0.63737	0.77603	0.87389	0.63737	0.65032	0.78812
94	97	3.45964	2.65226	0.63330	0.79474	0.88563	0.63330	0.66311	0.79744	3.39681	2.61510	0.63737	0.79586	0.88633	0.63737	0.66682	0.80011
94	98	3.45964	2.47567	0.63330	0.81331	0.89705	0.63330	0.67923	0.80898	3.39681	2.44340	0.63737	0.81415	0.89756	0.63737	0.68266	0.81141
94	99	3.45964	2.31535	0.63330	0.83032	0.90730	0.63330	0.69466	0.81982	3.39681	2.28724	0.63737	0.83093	0.90766	0.63737	0.69783	0.82202
94	100	3.45964	2.16976	0.63330	0.84583	0.91648	0.63330	0.70938	0.82998	3.39681	2.14523	0.63737	0.84625	0.91672	0.63737	0.71231	0.83199
94	101	3.45964	2.03734	0.63330	0.85992	0.92469	0.63330	0.72339	0.83950	3.39681	2.01587	0.63737	0.86018	0.92483	0.63737	0.72610	0.84132
94	102	3.45964	1.91714	0.63330	0.87266	0.93200	0.63330	0.73666	0.84837	3.39681	1.89830	0.63737	0.87278	0.93207	0.63737	0.73917	0.85003
94	103	3.45964	1.80800	0.63330	0.88412	0.93849	0.63330	0.74919	0.85661	3.39681	1.79140	0.63737	0.88414	0.93851	0.63737	0.75151	0.85813
94	104	3.45964	1.70943	0.63330	0.89435	0.94423	0.63330	0.76092	0.86423	3.39681	1.69474	0.63737	0.89429	0.94420	0.63737	0.76308	0.86562
94	105	3.45964	1.62048	0.63330	0.90345	0.94927	0.63330	0.77183	0.87123	3.39681	1.60741	0.63737	0.90333	0.94921	0.63737	0.77384	0.87251
94	106	3.45964	1.54080	0.63330	0.91144	0.95367	0.63330	0.78183	0.87756	3.39681	1.52911	0.63737	0.91127	0.95358	0.63737	0.78371	0.87874
94	107	3.45964	1.47009	0.63330	0.91835	0.95744	0.63330	0.79077	0.88316	3.39681	1.45954	0.63737	0.91816	0.95733	0.63737	0.79256	0.88428
94	108	3.45964	1.40861	0.63330	0.92416	0.96058	0.63330	0.79844	0.88793	3.39681	1.39898	0.63737	0.92395	0.96047	0.63737	0.80014	0.88898
94	109	3.45964	1.35764	0.63330	0.92874	0.96305	0.63330	0.80448	0.89165	3.39681	1.34871	0.63737	0.92852	0.96294	0.63737	0.80612	0.89266
94	110	3.45964	1.32125	0.63330	0.93186	0.96473	0.63330	0.80854	0.89414	3.39681	1.31279	0.63737	0.93164	0.96461	0.63737	0.81015	0.89512
95	1	3.21110	26.72925	0.61766	0.12013	0.21449	0.61766	0.12009	0.21444	3.15691	22.57586	0.62186	0.13983	0.24535	0.62186	0.13979	0.24529
95	2	3.21110	26.68154	0.61766	0.12035	0.21484	0.61766	0.12031	0.21479	3.15691	22.55058	0.62186	0.13999	0.24559	0.62186	0.13995	0.24554
95	3	3.21110	26.63112	0.61766	0.12057	0.21520	0.61766	0.12055	0.21515	3.15691	22.52338	0.62186	0.14016	0.24585	0.62186	0.14013	0.24581
95	4	3.21110	26.57806	0.61766	0.12081	0.21558	0.61766	0.12079	0.21554	3.15691	22.49433	0.62186	0.14034	0.24613	0.62186	0.14031	0.24609
95	5	3.21110	26.52283	0.61766	0.12107	0.21598	0.61766	0.12104	0.21594	3.15691	22.46379	0.62186	0.14053	0.24643	0.62186	0.14050	0.24638
95	6	3.21110	26.46539	0.61766	0.12133	0.21640	0.61766	0.12130	0.21636	3.15691	22.43176	0.62186	0.14073	0.24674	0.62186	0.14070	0.24669
95	7	3.21110	26.40551	0.61766	0.12160	0.21684	0.61766	0.12158	0.21680	3.15691	22.39806	0.62186	0.14094	0.24706	0.62186	0.14091	0.24701
95	8	3.21110	26.34335	0.61766	0.12189	0.21729	0.61766	0.12186	0.21725	3.15691	22.36278	0.62186	0.14116	0.24740	0.62186	0.14113	0.24735
95	9	3.21110	26.27867	0.61766	0.12219	0.21777	0.61766	0.12216	0.21772	3.15691	22.32575	0.62186	0.14140	0.24776	0.62186	0.14136	0.24771
95	10	3.21110	26.21121	0.61766	0.12250	0.21827	0.61766	0.12247	0.21822	3.15691	22.28674	0.62186	0.14164	0.24814	0.62186	0.14161	0.24808
95	11	3.21110	26.14141	0.61766	0.12283	0.21879	0.61766	0.12279	0.21873	3.15691	22.24611	0.62186	0.14190	0.24854	0.62186	0.14186	0.24847
95	12	3.21110	26.06892	0.61766	0.12317	0.21933	0.61766	0.12313	0.21926	3.15691	22.20360	0.62186	0.14217	0.24895	0.62186	0.14213	0.24888
95	13	3.21110	25.99388	0.61766	0.12353	0.21989	0.61766	0.12348	0.21981	3.15691	22.15929	0.62186	0.14246	0.24938	0.62186	0.14240	0.24930
95	14	3.21110	25.91617	0.61766	0.12390	0.22048	0.61766	0.12384	0.22039	3.15691	22.11310	0.62186	0.14275	0.24984	0.62186	0.14269	0.24974
95	15	3.21110	25.83587	0.61766	0.12428	0.22108	0.61766	0.12421	0.22098	3.15691	22.06509	0.62186	0.14306	0.25031	0.62186	0.14299	0.25020
95	16	3.21110	25.75319	0.61766	0.12468	0.22171	0.61766	0.12460	0.22159	3.15691	22.01544	0.62186	0.14338	0.25080	0.62186	0.14330	0.25067
95	17	3.21110	25.66857	0.61766	0.12509	0.22236	0.61766	0.12500	0.22223	3.15691	21.96453	0.62186	0.14371	0.25131	0.62186	0.14362	0.25117

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
95	18	3.21110	25.58235	0.61766	0.12551	0.22303	0.61766	0.12542	0.22289	3.15691	21.91267	0.62186	0.14405	0.25183	0.62186	0.14396	0.25169
95	19	3.21110	25.49361	0.61766	0.12595	0.22372	0.61766	0.12587	0.22359	3.15691	21.85907	0.62186	0.14441	0.25237	0.62186	0.14432	0.25223
95	20	3.21110	25.40164	0.61766	0.12640	0.22444	0.61766	0.12633	0.22432	3.15691	21.80312	0.62186	0.14478	0.25294	0.62186	0.14470	0.25281
95	21	3.21110	25.30562	0.61766	0.12688	0.22519	0.61766	0.12682	0.22509	3.15691	21.74411	0.62186	0.14517	0.25354	0.62186	0.14510	0.25342
95	22	3.21110	25.20517	0.61766	0.12739	0.22599	0.61766	0.12733	0.22589	3.15691	21.68171	0.62186	0.14559	0.25418	0.62186	0.14552	0.25407
95	23	3.21110	25.09967	0.61766	0.12793	0.22683	0.61766	0.12787	0.22674	3.15691	21.61537	0.62186	0.14604	0.25486	0.62186	0.14597	0.25476
95	24	3.21110	24.98936	0.61766	0.12849	0.22772	0.61766	0.12843	0.22763	3.15691	21.54528	0.62186	0.14651	0.25558	0.62186	0.14645	0.25548
95	25	3.21110	24.87419	0.61766	0.12908	0.22865	0.61766	0.12902	0.22856	3.15691	21.47137	0.62186	0.14702	0.25635	0.62186	0.14695	0.25625
95	26	3.21110	24.75420	0.61766	0.12971	0.22963	0.61766	0.12964	0.22953	3.15691	21.39367	0.62186	0.14755	0.25716	0.62186	0.14748	0.25704
95	27	3.21110	24.62994	0.61766	0.13036	0.23066	0.61766	0.13029	0.23054	3.15691	21.31262	0.62186	0.14811	0.25801	0.62186	0.14803	0.25788
95	28	3.21110	24.50119	0.61766	0.13105	0.23173	0.61766	0.13097	0.23160	3.15691	21.22804	0.62186	0.14870	0.25890	0.62186	0.14861	0.25876
95	29	3.21110	24.36788	0.61766	0.13176	0.23284	0.61766	0.13167	0.23271	3.15691	21.13984	0.62186	0.14932	0.25984	0.62186	0.14922	0.25969
95	30	3.21110	24.23009	0.61766	0.13251	0.23401	0.61766	0.13241	0.23386	3.15691	21.04806	0.62186	0.14997	0.26082	0.62186	0.14986	0.26066
95	31	3.21110	24.08752	0.61766	0.13329	0.23523	0.61766	0.13319	0.23507	3.15691	20.95246	0.62186	0.15065	0.26185	0.62186	0.15053	0.26168
95	32	3.21110	23.94006	0.61766	0.13411	0.23651	0.61766	0.13400	0.23633	3.15691	20.85289	0.62186	0.15137	0.26294	0.62186	0.15124	0.26275
95	33	3.21110	23.78740	0.61766	0.13497	0.23784	0.61766	0.13485	0.23766	3.15691	20.74907	0.62186	0.15212	0.26407	0.62186	0.15199	0.26388
95	34	3.21110	23.62942	0.61766	0.13587	0.23924	0.61766	0.13575	0.23904	3.15691	20.64088	0.62186	0.15292	0.26527	0.62186	0.15278	0.26506
95	35	3.21110	23.46579	0.61766	0.13682	0.24071	0.61766	0.13668	0.24049	3.15691	20.52800	0.62186	0.15376	0.26653	0.62186	0.15361	0.26631
95	36	3.21110	23.29632	0.61766	0.13781	0.24224	0.61766	0.13767	0.24202	3.15691	20.41023	0.62186	0.15464	0.26786	0.62186	0.15449	0.26763
95	37	3.21110	23.12089	0.61766	0.13886	0.24386	0.61766	0.13870	0.24362	3.15691	20.28745	0.62186	0.15558	0.26926	0.62186	0.15541	0.26901
95	38	3.21110	22.93911	0.61766	0.13996	0.24555	0.61766	0.13979	0.24530	3.15691	20.15926	0.62186	0.15657	0.27074	0.62186	0.15639	0.27048
95	39	3.21110	22.75087	0.61766	0.14111	0.24733	0.61766	0.14094	0.24706	3.15691	20.02555	0.62186	0.15761	0.27230	0.62186	0.15742	0.27202
95	40	3.21110	22.55572	0.61766	0.14233	0.24920	0.61766	0.14215	0.24892	3.15691	19.88587	0.62186	0.15871	0.27395	0.62186	0.15852	0.27365
95	41	3.21110	22.35340	0.61766	0.14362	0.25117	0.61766	0.14342	0.25086	3.15691	19.73995	0.62186	0.15988	0.27569	0.62186	0.15967	0.27538
95	42	3.21110	22.14385	0.61766	0.14498	0.25324	0.61766	0.14476	0.25292	3.15691	19.58769	0.62186	0.16112	0.27753	0.62186	0.16090	0.27720
95	43	3.21110	21.92669	0.61766	0.14641	0.25542	0.61766	0.14618	0.25507	3.15691	19.42870	0.62186	0.16244	0.27948	0.62186	0.16220	0.27912
95	44	3.21110	21.70178	0.61766	0.14792	0.25772	0.61766	0.14767	0.25735	3.15691	19.26280	0.62186	0.16383	0.28154	0.62186	0.16357	0.28115
95	45	3.21110	21.46876	0.61766	0.14952	0.26015	0.61766	0.14925	0.25974	3.15691	19.08963	0.62186	0.16532	0.28373	0.62186	0.16502	0.28330
95	46	3.21110	21.22763	0.61766	0.15122	0.26271	0.61766	0.15091	0.26225	3.15691	18.90911	0.62186	0.16689	0.28604	0.62186	0.16657	0.28557
95	47	3.21110	20.97813	0.61766	0.15301	0.26541	0.61766	0.15267	0.26490	3.15691	18.72094	0.62186	0.16856	0.28849	0.62186	0.16820	0.28796
95	48	3.21110	20.72003	0.61766	0.15491	0.26826	0.61766	0.15452	0.26768	3.15691	18.52488	0.62186	0.17033	0.29108	0.62186	0.16993	0.29049
95	49	3.21110	20.45326	0.61766	0.15692	0.27127	0.61766	0.15648	0.27061	3.15691	18.32076	0.62186	0.17222	0.29383	0.62186	0.17175	0.29316
95	50	3.21110	20.17742	0.61766	0.15905	0.27444	0.61766	0.15854	0.27368	3.15691	18.10816	0.62186	0.17422	0.29675	0.62186	0.17368	0.29596
95	51	3.21110	19.89339	0.61766	0.16130	0.27779	0.61766	0.16071	0.27692	3.15691	17.88781	0.62186	0.17635	0.29983	0.62186	0.17573	0.29892
95	52	3.21110	19.60122	0.61766	0.16369	0.28132	0.61766	0.16300	0.28031	3.15691	17.65967	0.62186	0.17861	0.30308	0.62186	0.17788	0.30204
95	53	3.21110	19.30125	0.61766	0.16621	0.28504	0.61766	0.16541	0.28387	3.15691	17.42398	0.62186	0.18100	0.30652	0.62186	0.18016	0.30532
95	54	3.21110	18.99375	0.61766	0.16888	0.28895	0.61766	0.16796	0.28762	3.15691	17.18091	0.62186	0.18353	0.31014	0.62186	0.18257	0.30877
95	55	3.21110	18.67912	0.61766	0.17169	0.29307	0.61766	0.17065	0.29155	3.15691	16.93076	0.62186	0.18621	0.31396	0.62186	0.18512	0.31241
95	56	3.21110	18.35803	0.61766	0.17467	0.29739	0.61766	0.17350	0.29570	3.15691	16.67407	0.62186	0.18905	0.31798	0.62186	0.18783	0.31626
95	57	3.21110	18.02853	0.61766	0.17783	0.30196	0.61766	0.17652	0.30008	3.15691	16.40902	0.62186	0.19206	0.32224	0.62186	0.19070	0.32032
95	58	3.21110	17.69065	0.61766	0.18119	0.30679	0.61766	0.17973	0.30470	3.15691	16.13552	0.62186	0.19528	0.32675	0.62186	0.19376	0.32462

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
95	59	3.21110	17.34441	0.61766	0.18477	0.31190	0.61766	0.18313	0.30957	3.15691	15.85354	0.62186	0.19871	0.33154	0.62186	0.19701	0.32917
95	60	3.21110	16.98967	0.61766	0.18858	0.31732	0.61766	0.18675	0.31473	3.15691	15.56284	0.62186	0.20237	0.33662	0.62186	0.20048	0.33400
95	61	3.21110	16.62627	0.61766	0.19265	0.32306	0.61766	0.19061	0.32019	3.15691	15.26320	0.62186	0.20628	0.34202	0.62186	0.20418	0.33911
95	62	3.21110	16.25423	0.61766	0.19700	0.32915	0.61766	0.19472	0.32596	3.15691	14.95454	0.62186	0.21047	0.34775	0.62186	0.20812	0.34454
95	63	3.21110	15.87341	0.61766	0.20165	0.33562	0.61766	0.19910	0.33208	3.15691	14.63664	0.62186	0.21497	0.35386	0.62186	0.21234	0.35030
95	64	3.21110	15.48353	0.61766	0.20664	0.34251	0.61766	0.20378	0.33857	3.15691	14.30913	0.62186	0.21979	0.36038	0.62186	0.21685	0.35642
95	65	3.21110	15.08480	0.61766	0.21200	0.34984	0.61766	0.20878	0.34544	3.15691	13.97213	0.62186	0.22498	0.36733	0.62186	0.22168	0.36291
95	66	3.21110	14.67724	0.61766	0.21777	0.35765	0.61766	0.21412	0.35272	3.15691	13.62552	0.62186	0.23057	0.37474	0.62186	0.22685	0.36981
95	67	3.21110	14.26104	0.61766	0.22397	0.36598	0.61766	0.21984	0.36044	3.15691	13.26940	0.62186	0.23660	0.38266	0.62186	0.23238	0.37713
95	68	3.21110	13.83657	0.61766	0.23066	0.37486	0.61766	0.22595	0.36861	3.15691	12.90401	0.62186	0.24311	0.39113	0.62186	0.23831	0.38490
95	69	3.21110	13.40435	0.61766	0.23788	0.38433	0.61766	0.23249	0.37726	3.15691	12.52973	0.62186	0.25013	0.40016	0.62186	0.24466	0.39313
95	70	3.21110	12.96501	0.61766	0.24566	0.39443	0.61766	0.23948	0.38642	3.15691	12.14706	0.62186	0.25772	0.40982	0.62186	0.25145	0.40186
95	71	3.21110	12.51927	0.61766	0.25407	0.40519	0.61766	0.24696	0.39610	3.15691	11.75658	0.62186	0.26592	0.42012	0.62186	0.25873	0.41109
95	72	3.21110	12.06792	0.61766	0.26316	0.41666	0.61766	0.25495	0.40631	3.15691	11.35893	0.62186	0.27479	0.43111	0.62186	0.26651	0.42086
95	73	3.21110	11.61185	0.61766	0.27298	0.42888	0.61766	0.26350	0.41709	3.15691	10.95491	0.62186	0.28438	0.44283	0.62186	0.27484	0.43118
95	74	3.21110	11.15217	0.61766	0.28359	0.44188	0.61766	0.27263	0.42845	3.15691	10.54549	0.62186	0.29476	0.45531	0.62186	0.28374	0.44206
95	75	3.21110	10.68986	0.61766	0.29507	0.45569	0.61766	0.28238	0.44040	3.15691	10.13154	0.62186	0.30598	0.46858	0.62186	0.29326	0.45352
95	76	3.21110	10.22626	0.61766	0.30748	0.47034	0.61766	0.29278	0.45294	3.15691	9.71428	0.62186	0.31811	0.48268	0.62186	0.30341	0.46556
95	77	3.21110	9.76277	0.61766	0.32087	0.48585	0.61766	0.30386	0.46609	3.15691	9.29502	0.62186	0.33122	0.49762	0.62186	0.31423	0.47819
95	78	3.21110	9.30064	0.61766	0.33533	0.50224	0.61766	0.31564	0.47983	3.15691	8.87492	0.62186	0.34536	0.51341	0.62186	0.32574	0.49141
95	79	3.21110	8.84103	0.61766	0.35091	0.51951	0.61766	0.32816	0.49416	3.15691	8.45509	0.62186	0.36061	0.53007	0.62186	0.33798	0.50521
95	80	3.21110	8.38551	0.61766	0.36767	0.53766	0.61766	0.34142	0.50905	3.15691	8.03703	0.62186	0.37702	0.54759	0.62186	0.35096	0.51957
95	81	3.21110	7.93532	0.61766	0.38568	0.55666	0.61766	0.35544	0.52447	3.15691	7.62196	0.62186	0.39465	0.56594	0.62186	0.36467	0.53445
95	82	3.21110	7.49211	0.61766	0.40496	0.57647	0.61766	0.37021	0.54037	3.15691	7.21152	0.62186	0.41352	0.58509	0.62186	0.37913	0.54981
95	83	3.21110	7.05756	0.61766	0.42551	0.59700	0.61766	0.38572	0.55671	3.15691	6.80735	0.62186	0.43364	0.60495	0.62186	0.39431	0.56560
95	84	3.21110	6.63342	0.61766	0.44733	0.61815	0.61766	0.40193	0.57340	3.15691	6.41122	0.62186	0.45500	0.62543	0.62186	0.41019	0.58175
95	85	3.21110	6.22156	0.61766	0.47035	0.63978	0.61766	0.41880	0.59036	3.15691	6.02503	0.62186	0.47753	0.64639	0.62186	0.42671	0.59818
95	86	3.21110	5.82374	0.61766	0.49446	0.66172	0.61766	0.43626	0.60749	3.15691	5.65055	0.62186	0.50112	0.66767	0.62186	0.44382	0.61478
95	87	3.21110	5.44155	0.61766	0.51951	0.68379	0.61766	0.45422	0.62469	3.15691	5.28949	0.62186	0.52565	0.68909	0.62186	0.46143	0.63147
95	88	3.21110	5.07613	0.61766	0.54534	0.70579	0.61766	0.47261	0.64187	3.15691	4.94306	0.62186	0.55094	0.71046	0.62186	0.47945	0.64815
95	89	3.21110	4.72862	0.61766	0.57172	0.72751	0.61766	0.49131	0.65889	3.15691	4.61250	0.62186	0.57678	0.73159	0.62186	0.49779	0.66470
95	90	3.21110	4.40007	0.61766	0.59839	0.74874	0.61766	0.51020	0.67567	3.15691	4.29901	0.62186	0.60289	0.75226	0.62186	0.51632	0.68102
95	91	3.21110	4.09149	0.61766	0.62503	0.76925	0.61766	0.52916	0.69210	3.15691	4.00370	0.62186	0.62900	0.77225	0.62186	0.53493	0.69701
95	92	3.21110	3.80354	0.61766	0.65135	0.78887	0.61766	0.54810	0.70809	3.15691	3.72738	0.62186	0.65480	0.79140	0.62186	0.55351	0.71259
95	93	3.21110	3.53621	0.61766	0.67707	0.80744	0.61766	0.56690	0.72359	3.15691	3.47020	0.62186	0.68003	0.80955	0.62186	0.57197	0.72771
95	94	3.21110	3.28870	0.61766	0.70198	0.82490	0.61766	0.58548	0.73856	3.15691	3.23152	0.62186	0.70449	0.82663	0.62186	0.59022	0.74231
95	95	3.21110	3.05955	0.61766	0.72594	0.84121	0.61766	0.60377	0.75294	3.15691	3.01004	0.62186	0.72802	0.84261	0.62186	0.60819	0.75636
95	96	3.21110	2.84646	0.61766	0.74884	0.85638	0.61766	0.62163	0.76667	3.15691	2.80360	0.62186	0.75054	0.85750	0.62186	0.62574	0.76979
95	97	3.21110	2.65226	0.61766	0.77027	0.87023	0.61766	0.63891	0.77968	3.15691	2.61510	0.62186	0.77163	0.87110	0.62186	0.64273	0.78251
95	98	3.21110	2.47567	0.61766	0.79017	0.88279	0.61766	0.65556	0.79195	3.15691	2.44340	0.62186	0.79124	0.88345	0.62186	0.65911	0.79453
95	99	3.21110	2.31535	0.61766	0.80852	0.89412	0.61766	0.67155	0.80351	3.15691	2.28724	0.62186	0.80933	0.89462	0.62186	0.67484	0.80586

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
95	100	3.21110	2.16976	0.61766	0.82537	0.90433	0.61766	0.68687	0.81437	3.15691	2.14523	0.62186	0.82596	0.90469	0.62186	0.68992	0.81651
95	101	3.21110	2.03734	0.61766	0.84077	0.91350	0.61766	0.70150	0.82457	3.15691	2.01587	0.62186	0.84118	0.91374	0.62186	0.70433	0.82652
95	102	3.21110	1.91714	0.61766	0.85477	0.92170	0.61766	0.71541	0.83410	3.15691	1.89830	0.62186	0.85503	0.92185	0.62186	0.71803	0.83588
95	103	3.21110	1.80800	0.61766	0.86743	0.92901	0.61766	0.72858	0.84298	3.15691	1.79140	0.62186	0.86757	0.92909	0.62186	0.73101	0.84461
95	104	3.21110	1.70943	0.61766	0.87881	0.93549	0.61766	0.74095	0.85120	3.15691	1.69474	0.62186	0.87885	0.93552	0.62186	0.74322	0.85270
95	105	3.21110	1.62048	0.61766	0.88896	0.94122	0.61766	0.75249	0.85876	3.15691	1.60741	0.62186	0.88893	0.94120	0.62186	0.75461	0.86014
95	106	3.21110	1.54080	0.61766	0.89793	0.94622	0.61766	0.76309	0.86563	3.15691	1.52911	0.62186	0.89784	0.94617	0.62186	0.76508	0.86691
95	107	3.21110	1.47009	0.61766	0.90572	0.95053	0.61766	0.77262	0.87173	3.15691	1.45954	0.62186	0.90559	0.95046	0.62186	0.77451	0.87293
95	108	3.21110	1.40861	0.61766	0.91228	0.95413	0.61766	0.78081	0.87692	3.15691	1.39898	0.62186	0.91213	0.95405	0.62186	0.78262	0.87805
95	109	3.21110	1.35764	0.61766	0.91749	0.95697	0.61766	0.78729	0.88098	3.15691	1.34871	0.62186	0.91732	0.95688	0.62186	0.78903	0.88208
95	110	3.21110	1.32125	0.61766	0.92104	0.95890	0.61766	0.79165	0.88371	3.15691	1.31279	0.62186	0.92087	0.95880	0.62186	0.79336	0.88477
96	1	2.98010	26.72925	0.60375	0.11149	0.20061	0.60375	0.11146	0.20056	2.93338	22.57586	0.60807	0.12993	0.22998	0.60807	0.12989	0.22992
96	2	2.98010	26.68154	0.60375	0.11169	0.20093	0.60375	0.11166	0.20089	2.93338	22.55058	0.60807	0.13008	0.23021	0.60807	0.13005	0.23016
96	3	2.98010	26.63112	0.60375	0.11190	0.20128	0.60375	0.11188	0.20124	2.93338	22.52338	0.60807	0.13023	0.23045	0.60807	0.13021	0.23041
96	4	2.98010	26.57806	0.60375	0.11212	0.20164	0.60375	0.11210	0.20160	2.93338	22.49433	0.60807	0.13040	0.23072	0.60807	0.13037	0.23067
96	5	2.98010	26.52283	0.60375	0.11236	0.20202	0.60375	0.11233	0.20198	2.93338	22.46379	0.60807	0.13058	0.23099	0.60807	0.13055	0.23095
96	6	2.98010	26.46539	0.60375	0.11260	0.20241	0.60375	0.11258	0.20237	2.93338	22.43176	0.60807	0.13076	0.23129	0.60807	0.13074	0.23124
96	7	2.98010	26.40551	0.60375	0.11286	0.20282	0.60375	0.11283	0.20278	2.93338	22.39806	0.60807	0.13096	0.23159	0.60807	0.13094	0.23155
96	8	2.98010	26.34335	0.60375	0.11312	0.20325	0.60375	0.11310	0.20321	2.93338	22.36278	0.60807	0.13117	0.23192	0.60807	0.13114	0.23187
96	9	2.98010	26.27867	0.60375	0.11340	0.20370	0.60375	0.11338	0.20366	2.93338	22.32575	0.60807	0.13139	0.23226	0.60807	0.13136	0.23221
96	10	2.98010	26.21121	0.60375	0.11369	0.20417	0.60375	0.11366	0.20413	2.93338	22.28674	0.60807	0.13162	0.23261	0.60807	0.13158	0.23257
96	11	2.98010	26.14141	0.60375	0.11400	0.20466	0.60375	0.11396	0.20461	2.93338	22.24611	0.60807	0.13185	0.23299	0.60807	0.13182	0.23293
96	12	2.98010	26.06892	0.60375	0.11431	0.20517	0.60375	0.11428	0.20511	2.93338	22.20360	0.60807	0.13211	0.23338	0.60807	0.13207	0.23332
96	13	2.98010	25.99388	0.60375	0.11464	0.20570	0.60375	0.11460	0.20563	2.93338	22.15929	0.60807	0.13237	0.23379	0.60807	0.13232	0.23372
96	14	2.98010	25.91617	0.60375	0.11498	0.20625	0.60375	0.11493	0.20617	2.93338	22.11310	0.60807	0.13264	0.23422	0.60807	0.13259	0.23414
96	15	2.98010	25.83587	0.60375	0.11534	0.20682	0.60375	0.11528	0.20673	2.93338	22.06509	0.60807	0.13293	0.23467	0.60807	0.13287	0.23457
96	16	2.98010	25.75319	0.60375	0.11571	0.20742	0.60375	0.11564	0.20731	2.93338	22.01544	0.60807	0.13323	0.23513	0.60807	0.13316	0.23502
96	17	2.98010	25.66857	0.60375	0.11609	0.20803	0.60375	0.11602	0.20791	2.93338	21.96453	0.60807	0.13354	0.23561	0.60807	0.13346	0.23549
96	18	2.98010	25.58235	0.60375	0.11648	0.20866	0.60375	0.11641	0.20854	2.93338	21.91267	0.60807	0.13385	0.23610	0.60807	0.13377	0.23598
96	19	2.98010	25.49361	0.60375	0.11689	0.20931	0.60375	0.11682	0.20919	2.93338	21.85907	0.60807	0.13418	0.23662	0.60807	0.13410	0.23649
96	20	2.98010	25.40164	0.60375	0.11731	0.20999	0.60375	0.11724	0.20988	2.93338	21.80312	0.60807	0.13453	0.23715	0.60807	0.13446	0.23704
96	21	2.98010	25.30562	0.60375	0.11776	0.21070	0.60375	0.11770	0.21061	2.93338	21.74411	0.60807	0.13489	0.23772	0.60807	0.13483	0.23762
96	22	2.98010	25.20517	0.60375	0.11823	0.21145	0.60375	0.11817	0.21137	2.93338	21.68171	0.60807	0.13528	0.23833	0.60807	0.13522	0.23823
96	23	2.98010	25.09967	0.60375	0.11872	0.21225	0.60375	0.11867	0.21217	2.93338	21.61537	0.60807	0.13570	0.23897	0.60807	0.13564	0.23888
96	24	2.98010	24.98936	0.60375	0.11925	0.21309	0.60375	0.11920	0.21300	2.93338	21.54528	0.60807	0.13614	0.23965	0.60807	0.13608	0.23957
96	25	2.98010	24.87419	0.60375	0.11980	0.21397	0.60375	0.11975	0.21388	2.93338	21.47137	0.60807	0.13661	0.24038	0.60807	0.13655	0.24029
96	26	2.98010	24.75420	0.60375	0.12038	0.21489	0.60375	0.12032	0.21480	2.93338	21.39367	0.60807	0.13710	0.24115	0.60807	0.13704	0.24105
96	27	2.98010	24.62994	0.60375	0.12099	0.21586	0.60375	0.12092	0.21575	2.93338	21.31262	0.60807	0.13762	0.24195	0.60807	0.13755	0.24184
96	28	2.98010	24.50119	0.60375	0.12162	0.21687	0.60375	0.12155	0.21675	2.93338	21.22804	0.60807	0.13817	0.24280	0.60807	0.13809	0.24268
96	29	2.98010	24.36788	0.60375	0.12229	0.21792	0.60375	0.12221	0.21780	2.93338	21.13984	0.60807	0.13875	0.24368	0.60807	0.13866	0.24355
96	30	2.98010	24.23009	0.60375	0.12298	0.21902	0.60375	0.12289	0.21889	2.93338	21.04806	0.60807	0.13935	0.24461	0.60807	0.13926	0.24447

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Retiree		Beneficiary	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity		Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Age	Age	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Factor	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Factor
96	31	2.98010	24.08752	0.60375	0.12371	0.22018	0.60375	0.12361	0.22003	2.93338	20.95246	0.60807	0.13999	0.24559	0.60807	0.13988	0.24544		
96	32	2.98010	23.94006	0.60375	0.12447	0.22138	0.60375	0.12437	0.22122	2.93338	20.85289	0.60807	0.14065	0.24662	0.60807	0.14054	0.24645		
96	33	2.98010	23.78740	0.60375	0.12527	0.22264	0.60375	0.12516	0.22247	2.93338	20.74907	0.60807	0.14135	0.24770	0.60807	0.14124	0.24752		
96	34	2.98010	23.62942	0.60375	0.12610	0.22396	0.60375	0.12599	0.22378	2.93338	20.64088	0.60807	0.14209	0.24883	0.60807	0.14197	0.24864		
96	35	2.98010	23.46579	0.60375	0.12698	0.22535	0.60375	0.12686	0.22516	2.93338	20.52800	0.60807	0.14287	0.25003	0.60807	0.14274	0.24983		
96	36	2.98010	23.29632	0.60375	0.12790	0.22680	0.60375	0.12778	0.22660	2.93338	20.41023	0.60807	0.14370	0.25129	0.60807	0.14356	0.25107		
96	37	2.98010	23.12089	0.60375	0.12887	0.22832	0.60375	0.12874	0.22811	2.93338	20.28745	0.60807	0.14457	0.25261	0.60807	0.14442	0.25239		
96	38	2.98010	22.93911	0.60375	0.12989	0.22992	0.60375	0.12975	0.22970	2.93338	20.15926	0.60807	0.14548	0.25401	0.60807	0.14533	0.25378		
96	39	2.98010	22.75087	0.60375	0.13097	0.23160	0.60375	0.13081	0.23136	2.93338	20.02555	0.60807	0.14645	0.25549	0.60807	0.14629	0.25524		
96	40	2.98010	22.55572	0.60375	0.13210	0.23337	0.60375	0.13194	0.23312	2.93338	19.88587	0.60807	0.14748	0.25705	0.60807	0.14731	0.25679		
96	41	2.98010	22.35340	0.60375	0.13329	0.23523	0.60375	0.13312	0.23496	2.93338	19.73995	0.60807	0.14857	0.25870	0.60807	0.14838	0.25842		
96	42	2.98010	22.14385	0.60375	0.13455	0.23719	0.60375	0.13437	0.23690	2.93338	19.58769	0.60807	0.14972	0.26045	0.60807	0.14952	0.26015		
96	43	2.98010	21.92669	0.60375	0.13588	0.23925	0.60375	0.13568	0.23894	2.93338	19.42870	0.60807	0.15094	0.26230	0.60807	0.15073	0.26197		
96	44	2.98010	21.70178	0.60375	0.13729	0.24143	0.60375	0.13707	0.24109	2.93338	19.26280	0.60807	0.15224	0.26425	0.60807	0.15201	0.26390		
96	45	2.98010	21.46876	0.60375	0.13877	0.24372	0.60375	0.13854	0.24336	2.93338	19.08963	0.60807	0.15362	0.26632	0.60807	0.15336	0.26594		
96	46	2.98010	21.22763	0.60375	0.14034	0.24614	0.60375	0.14008	0.24574	2.93338	18.90911	0.60807	0.15508	0.26852	0.60807	0.15480	0.26810		
96	47	2.98010	20.97813	0.60375	0.14201	0.24870	0.60375	0.14172	0.24825	2.93338	18.72094	0.60807	0.15663	0.27084	0.60807	0.15632	0.27037		
96	48	2.98010	20.72003	0.60375	0.14377	0.25140	0.60375	0.14344	0.25089	2.93338	18.52488	0.60807	0.15828	0.27330	0.60807	0.15793	0.27278		
96	49	2.98010	20.45326	0.60375	0.14564	0.25425	0.60375	0.14526	0.25367	2.93338	18.32076	0.60807	0.16004	0.27591	0.60807	0.15963	0.27532		
96	50	2.98010	20.17742	0.60375	0.14762	0.25726	0.60375	0.14718	0.25659	2.93338	18.10816	0.60807	0.16190	0.27868	0.60807	0.16143	0.27799		
96	51	2.98010	19.89339	0.60375	0.14971	0.26044	0.60375	0.14920	0.25966	2.93338	17.88781	0.60807	0.16388	0.28161	0.60807	0.16334	0.28081		
96	52	2.98010	19.60122	0.60375	0.15193	0.26378	0.60375	0.15133	0.26288	2.93338	17.65967	0.60807	0.16598	0.28471	0.60807	0.16535	0.28378		
96	53	2.98010	19.30125	0.60375	0.15427	0.26731	0.60375	0.15358	0.26627	2.93338	17.42398	0.60807	0.16821	0.28797	0.60807	0.16748	0.28690		
96	54	2.98010	18.99375	0.60375	0.15675	0.27102	0.60375	0.15596	0.26983	2.93338	17.18091	0.60807	0.17056	0.29142	0.60807	0.16973	0.29020		
96	55	2.98010	18.67912	0.60375	0.15937	0.27492	0.60375	0.15846	0.27357	2.93338	16.93076	0.60807	0.17306	0.29505	0.60807	0.17211	0.29367		
96	56	2.98010	18.35803	0.60375	0.16214	0.27903	0.60375	0.16112	0.27752	2.93338	16.67407	0.60807	0.17570	0.29888	0.60807	0.17463	0.29734		
96	57	2.98010	18.02853	0.60375	0.16507	0.28337	0.60375	0.16393	0.28169	2.93338	16.40902	0.60807	0.17851	0.30294	0.60807	0.17731	0.30122		
96	58	2.98010	17.69065	0.60375	0.16820	0.28796	0.60375	0.16692	0.28609	2.93338	16.13552	0.60807	0.18150	0.30724	0.60807	0.18017	0.30533		
96	59	2.98010	17.34441	0.60375	0.17152	0.29282	0.60375	0.17010	0.29074	2.93338	15.85354	0.60807	0.18469	0.31180	0.60807	0.18321	0.30968		
96	60	2.98010	16.98967	0.60375	0.17507	0.29797	0.60375	0.17347	0.29566	2.93338	15.56284	0.60807	0.18810	0.31664	0.60807	0.18644	0.31429		
96	61	2.98010	16.62627	0.60375	0.17885	0.30343	0.60375	0.17707	0.30086	2.93338	15.26320	0.60807	0.19175	0.32179	0.60807	0.18990	0.31918		
96	62	2.98010	16.25423	0.60375	0.18290	0.30924	0.60375	0.18090	0.30638	2.93338	14.95454	0.60807	0.19565	0.32727	0.60807	0.19359	0.32438		
96	63	2.98010	15.87341	0.60375	0.18723	0.31540	0.60375	0.18500	0.31223	2.93338	14.63664	0.60807	0.19984	0.33311	0.60807	0.19753	0.32990		
96	64	2.98010	15.48353	0.60375	0.19187	0.32197	0.60375	0.18937	0.31843	2.93338	14.30913	0.60807	0.20434	0.33934	0.60807	0.20176	0.33577		
96	65	2.98010	15.08480	0.60375	0.19686	0.32897	0.60375	0.19404	0.32502	2.93338	13.97213	0.60807	0.20918	0.34598	0.60807	0.20628	0.34201		
96	66	2.98010	14.67724	0.60375	0.20223	0.33643	0.60375	0.19904	0.33200	2.93338	13.62552	0.60807	0.21439	0.35309	0.60807	0.21112	0.34864		
96	67	2.98010	14.26104	0.60375	0.20802	0.34439	0.60375	0.20440	0.33942	2.93338	13.26940	0.60807	0.22002	0.36068	0.60807	0.21631	0.35568		
96	68	2.98010	13.83657	0.60375	0.21425	0.35290	0.60375	0.21012	0.34728	2.93338	12.90401	0.60807	0.22609	0.36880	0.60807	0.22188	0.36317		
96	69	2.98010	13.40435	0.60375	0.22098	0.36198	0.60375	0.21626	0.35561	2.93338	12.52973	0.60807	0.23265	0.37748	0.60807	0.22784	0.37113		
96	70	2.98010	12.96501	0.60375	0.22825	0.37167	0.60375	0.22283	0.36445	2.93338	12.14706	0.60807	0.23975	0.38677	0.60807	0.23424	0.37956		
96	71	2.98010	12.51927	0.60375	0.23611	0.38202	0.60375	0.22986	0.37380	2.93338	11.75658	0.60807	0.24743	0.39670	0.60807	0.24109	0.38851		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
96	72	2.98010	12.06792	0.60375	0.24461	0.39307	0.60375	0.23739	0.38370	2.93338	11.35893	0.60807	0.25574	0.40731	0.60807	0.24843	0.39799
96	73	2.98010	11.61185	0.60375	0.25380	0.40485	0.60375	0.24546	0.39416	2.93338	10.95491	0.60807	0.26473	0.41864	0.60807	0.25630	0.40803
96	74	2.98010	11.15217	0.60375	0.26376	0.41742	0.60375	0.25408	0.40521	2.93338	10.54549	0.60807	0.27448	0.43073	0.60807	0.26473	0.41863
96	75	2.98010	10.68986	0.60375	0.27453	0.43080	0.60375	0.26331	0.41686	2.93338	10.13154	0.60807	0.28503	0.44362	0.60807	0.27375	0.42983
96	76	2.98010	10.22626	0.60375	0.28619	0.44502	0.60375	0.27317	0.42912	2.93338	9.71428	0.60807	0.29646	0.45733	0.60807	0.28339	0.44162
96	77	2.98010	9.76277	0.60375	0.29881	0.46013	0.60375	0.28370	0.44200	2.93338	9.29502	0.60807	0.30882	0.47191	0.60807	0.29369	0.45403
96	78	2.98010	9.30064	0.60375	0.31245	0.47613	0.60375	0.29492	0.45551	2.93338	8.87492	0.60807	0.32219	0.48736	0.60807	0.30467	0.46705
96	79	2.98010	8.84103	0.60375	0.32719	0.49306	0.60375	0.30688	0.46963	2.93338	8.45509	0.60807	0.33665	0.50372	0.60807	0.31638	0.48068
96	80	2.98010	8.38551	0.60375	0.34310	0.51091	0.60375	0.31958	0.48436	2.93338	8.03703	0.60807	0.35224	0.52098	0.60807	0.32882	0.49490
96	81	2.98010	7.93532	0.60375	0.36024	0.52967	0.60375	0.33304	0.49967	2.93338	7.62196	0.60807	0.36905	0.53913	0.60807	0.34201	0.50970
96	82	2.98010	7.49211	0.60375	0.37865	0.54930	0.60375	0.34727	0.51552	2.93338	7.21152	0.60807	0.38710	0.55814	0.60807	0.35596	0.52503
96	83	2.98010	7.05756	0.60375	0.39836	0.56975	0.60375	0.36226	0.53185	2.93338	6.80735	0.60807	0.40642	0.57795	0.60807	0.37065	0.54084
96	84	2.98010	6.63342	0.60375	0.41937	0.59092	0.60375	0.37798	0.54860	2.93338	6.41122	0.60807	0.42702	0.59848	0.60807	0.38607	0.55708
96	85	2.98010	6.22156	0.60375	0.44164	0.61269	0.60375	0.39441	0.56570	2.93338	6.02503	0.60807	0.44886	0.61960	0.60807	0.40219	0.57366
96	86	2.98010	5.82374	0.60375	0.46509	0.63490	0.60375	0.41147	0.58304	2.93338	5.65055	0.60807	0.47185	0.64116	0.60807	0.41893	0.59048
96	87	2.98010	5.44155	0.60375	0.48961	0.65737	0.60375	0.42910	0.60052	2.93338	5.28949	0.60807	0.49588	0.66300	0.60807	0.43623	0.60746
96	88	2.98010	5.07613	0.60375	0.51504	0.67991	0.60375	0.44722	0.61804	2.93338	4.94306	0.60807	0.52082	0.68492	0.60807	0.45401	0.62449
96	89	2.98010	4.72862	0.60375	0.54119	0.70231	0.60375	0.46572	0.63548	2.93338	4.61250	0.60807	0.54646	0.70672	0.60807	0.47217	0.64146
96	90	2.98010	4.40007	0.60375	0.56781	0.72434	0.60375	0.48449	0.65273	2.93338	4.29901	0.60807	0.57256	0.72819	0.60807	0.49061	0.65826
96	91	2.98010	4.09149	0.60375	0.59461	0.74577	0.60375	0.50341	0.66969	2.93338	4.00370	0.60807	0.59884	0.74909	0.60807	0.50919	0.67479
96	92	2.98010	3.80354	0.60375	0.62128	0.76640	0.60375	0.52238	0.68627	2.93338	3.72738	0.60807	0.62501	0.76924	0.60807	0.52783	0.69095
96	93	2.98010	3.53621	0.60375	0.64754	0.78607	0.60375	0.54130	0.70239	2.93338	3.47020	0.60807	0.65079	0.78846	0.60807	0.54642	0.70669
96	94	2.98010	3.28870	0.60375	0.67318	0.80467	0.60375	0.56007	0.71801	2.93338	3.23152	0.60807	0.67597	0.80666	0.60807	0.56487	0.72194
96	95	2.98010	3.05955	0.60375	0.69803	0.82216	0.60375	0.57863	0.73308	2.93338	3.01004	0.60807	0.70039	0.82380	0.60807	0.58312	0.73667
96	96	2.98010	2.84646	0.60375	0.72197	0.83854	0.60375	0.59683	0.74752	2.93338	2.80360	0.60807	0.72394	0.83987	0.60807	0.60102	0.75080
96	97	2.98010	2.65226	0.60375	0.74455	0.85357	0.60375	0.61450	0.76123	2.93338	2.61510	0.60807	0.74617	0.85463	0.60807	0.61841	0.76422
96	98	2.98010	2.47567	0.60375	0.76567	0.86729	0.60375	0.63160	0.77421	2.93338	2.44340	0.60807	0.76697	0.86812	0.60807	0.63524	0.77694
96	99	2.98010	2.31535	0.60375	0.78529	0.87973	0.60375	0.64808	0.78647	2.93338	2.28724	0.60807	0.78631	0.88037	0.60807	0.65147	0.78896
96	100	2.98010	2.16976	0.60375	0.80341	0.89099	0.60375	0.66392	0.79802	2.93338	2.14523	0.60807	0.80420	0.89147	0.60807	0.66707	0.80029
96	101	2.98010	2.03734	0.60375	0.82009	0.90115	0.60375	0.67910	0.80889	2.93338	2.01587	0.60807	0.82067	0.90151	0.60807	0.68203	0.81096
96	102	2.98010	1.91714	0.60375	0.83534	0.91028	0.60375	0.69358	0.81907	2.93338	1.89830	0.60807	0.83575	0.91053	0.60807	0.69631	0.82097
96	103	2.98010	1.80800	0.60375	0.84922	0.91846	0.60375	0.70734	0.82859	2.93338	1.79140	0.60807	0.84949	0.91862	0.60807	0.70988	0.83033
96	104	2.98010	1.70943	0.60375	0.86174	0.92574	0.60375	0.72030	0.83742	2.93338	1.69474	0.60807	0.86190	0.92583	0.60807	0.72268	0.83902
96	105	2.98010	1.62048	0.60375	0.87299	0.93219	0.60375	0.73244	0.84556	2.93338	1.60741	0.60807	0.87306	0.93223	0.60807	0.73466	0.84704
96	106	2.98010	1.54080	0.60375	0.88296	0.93784	0.60375	0.74363	0.85297	2.93338	1.52911	0.60807	0.88296	0.93784	0.60807	0.74572	0.85434
96	107	2.98010	1.47009	0.60375	0.89167	0.94273	0.60375	0.75372	0.85957	2.93338	1.45954	0.60807	0.89162	0.94270	0.60807	0.75570	0.86085
96	108	2.98010	1.40861	0.60375	0.89904	0.94684	0.60375	0.76243	0.86520	2.93338	1.39898	0.60807	0.89896	0.94679	0.60807	0.76432	0.86642
96	109	2.98010	1.35764	0.60375	0.90491	0.95008	0.60375	0.76933	0.86963	2.93338	1.34871	0.60807	0.90480	0.95002	0.60807	0.77117	0.87080
96	110	2.98010	1.32125	0.60375	0.90892	0.95229	0.60375	0.77400	0.87260	2.93338	1.31279	0.60807	0.90881	0.95223	0.60807	0.77579	0.87374
97	1	2.76918	26.72925	0.59229	0.10360	0.18775	0.59229	0.10357	0.18770	2.72886	22.57586	0.59572	0.12087	0.21567	0.59572	0.12084	0.21562
97	2	2.76918	26.68154	0.59229	0.10378	0.18805	0.59229	0.10376	0.18801	2.72886	22.55058	0.59572	0.12101	0.21589	0.59572	0.12098	0.21585

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
97	3	2.76918	26.63112	0.59229	0.10398	0.18837	0.59229	0.10396	0.18834	2.72886	22.52338	0.59572	0.12115	0.21612	0.59572	0.12113	0.21608
97	4	2.76918	26.57806	0.59229	0.10419	0.18871	0.59229	0.10417	0.18868	2.72886	22.49433	0.59572	0.12131	0.21637	0.59572	0.12129	0.21633
97	5	2.76918	26.52283	0.59229	0.10440	0.18907	0.59229	0.10438	0.18904	2.72886	22.46379	0.59572	0.12147	0.21663	0.59572	0.12145	0.21660
97	6	2.76918	26.46539	0.59229	0.10463	0.18944	0.59229	0.10461	0.18941	2.72886	22.43176	0.59572	0.12165	0.21691	0.59572	0.12163	0.21687
97	7	2.76918	26.40551	0.59229	0.10487	0.18983	0.59229	0.10485	0.18980	2.72886	22.39806	0.59572	0.12183	0.21720	0.59572	0.12181	0.21716
97	8	2.76918	26.34335	0.59229	0.10512	0.19024	0.59229	0.10510	0.19020	2.72886	22.36278	0.59572	0.12202	0.21751	0.59572	0.12200	0.21747
97	9	2.76918	26.27867	0.59229	0.10537	0.19066	0.59229	0.10535	0.19062	2.72886	22.32575	0.59572	0.12223	0.21783	0.59572	0.12220	0.21779
97	10	2.76918	26.21121	0.59229	0.10565	0.19110	0.59229	0.10562	0.19106	2.72886	22.28674	0.59572	0.12244	0.21817	0.59572	0.12241	0.21812
97	11	2.76918	26.14141	0.59229	0.10593	0.19156	0.59229	0.10590	0.19152	2.72886	22.24611	0.59572	0.12266	0.21852	0.59572	0.12263	0.21847
97	12	2.76918	26.06892	0.59229	0.10622	0.19204	0.59229	0.10619	0.19199	2.72886	22.20360	0.59572	0.12290	0.21889	0.59572	0.12286	0.21884
97	13	2.76918	25.99388	0.59229	0.10653	0.19254	0.59229	0.10649	0.19249	2.72886	22.15929	0.59572	0.12314	0.21928	0.59572	0.12310	0.21922
97	14	2.76918	25.91617	0.59229	0.10685	0.19306	0.59229	0.10680	0.19299	2.72886	22.11310	0.59572	0.12340	0.21969	0.59572	0.12335	0.21961
97	15	2.76918	25.83587	0.59229	0.10718	0.19360	0.59229	0.10713	0.19352	2.72886	22.06509	0.59572	0.12367	0.22011	0.59572	0.12361	0.22002
97	16	2.76918	25.75319	0.59229	0.10752	0.19416	0.59229	0.10746	0.19407	2.72886	22.01544	0.59572	0.12394	0.22055	0.59572	0.12388	0.22045
97	17	2.76918	25.66857	0.59229	0.10787	0.19474	0.59229	0.10781	0.19464	2.72886	21.96453	0.59572	0.12423	0.22100	0.59572	0.12416	0.22089
97	18	2.76918	25.58235	0.59229	0.10824	0.19533	0.59229	0.10817	0.19523	2.72886	21.91267	0.59572	0.12452	0.22147	0.59572	0.12445	0.22135
97	19	2.76918	25.49361	0.59229	0.10861	0.19595	0.59229	0.10855	0.19584	2.72886	21.85907	0.59572	0.12483	0.22195	0.59572	0.12476	0.22184
97	20	2.76918	25.40164	0.59229	0.10901	0.19659	0.59229	0.10895	0.19649	2.72886	21.80312	0.59572	0.12515	0.22246	0.59572	0.12508	0.22236
97	21	2.76918	25.30562	0.59229	0.10942	0.19726	0.59229	0.10937	0.19718	2.72886	21.74411	0.59572	0.12549	0.22300	0.59572	0.12543	0.22290
97	22	2.76918	25.20517	0.59229	0.10986	0.19797	0.59229	0.10981	0.19789	2.72886	21.68171	0.59572	0.12585	0.22357	0.59572	0.12580	0.22348
97	23	2.76918	25.09967	0.59229	0.11032	0.19872	0.59229	0.11028	0.19865	2.72886	21.61537	0.59572	0.12624	0.22418	0.59572	0.12619	0.22410
97	24	2.76918	24.98936	0.59229	0.11081	0.19951	0.59229	0.11076	0.19944	2.72886	21.54528	0.59572	0.12665	0.22483	0.59572	0.12660	0.22475
97	25	2.76918	24.87419	0.59229	0.11132	0.20034	0.59229	0.11128	0.20027	2.72886	21.47137	0.59572	0.12709	0.22551	0.59572	0.12703	0.22543
97	26	2.76918	24.75420	0.59229	0.11186	0.20121	0.59229	0.11181	0.20113	2.72886	21.39367	0.59572	0.12755	0.22624	0.59572	0.12749	0.22615
97	27	2.76918	24.62994	0.59229	0.11242	0.20212	0.59229	0.11237	0.20203	2.72886	21.31262	0.59572	0.12803	0.22700	0.59572	0.12797	0.22690
97	28	2.76918	24.50119	0.59229	0.11301	0.20308	0.59229	0.11295	0.20298	2.72886	21.22804	0.59572	0.12854	0.22780	0.59572	0.12847	0.22769
97	29	2.76918	24.36788	0.59229	0.11363	0.20407	0.59229	0.11356	0.20396	2.72886	21.13984	0.59572	0.12908	0.22864	0.59572	0.12900	0.22852
97	30	2.76918	24.23009	0.59229	0.11428	0.20511	0.59229	0.11420	0.20499	2.72886	21.04806	0.59572	0.12964	0.22952	0.59572	0.12956	0.22939
97	31	2.76918	24.08752	0.59229	0.11495	0.20620	0.59229	0.11487	0.20607	2.72886	20.95246	0.59572	0.13023	0.23044	0.59572	0.13014	0.23031
97	32	2.76918	23.94006	0.59229	0.11566	0.20734	0.59229	0.11557	0.20720	2.72886	20.85289	0.59572	0.13085	0.23142	0.59572	0.13075	0.23127
97	33	2.76918	23.78740	0.59229	0.11640	0.20853	0.59229	0.11631	0.20838	2.72886	20.74907	0.59572	0.13150	0.23244	0.59572	0.13140	0.23228
97	34	2.76918	23.62942	0.59229	0.11718	0.20978	0.59229	0.11708	0.20962	2.72886	20.64088	0.59572	0.13219	0.23351	0.59572	0.13208	0.23334
97	35	2.76918	23.46579	0.59229	0.11800	0.21108	0.59229	0.11789	0.21091	2.72886	20.52800	0.59572	0.13292	0.23464	0.59572	0.13280	0.23447
97	36	2.76918	23.29632	0.59229	0.11885	0.21245	0.59229	0.11874	0.21228	2.72886	20.41023	0.59572	0.13368	0.23584	0.59572	0.13356	0.23565
97	37	2.76918	23.12089	0.59229	0.11975	0.21389	0.59229	0.11964	0.21370	2.72886	20.28745	0.59572	0.13449	0.23709	0.59572	0.13436	0.23689
97	38	2.76918	22.93911	0.59229	0.12070	0.21540	0.59229	0.12058	0.21520	2.72886	20.15926	0.59572	0.13534	0.23842	0.59572	0.13521	0.23821
97	39	2.76918	22.75087	0.59229	0.12170	0.21699	0.59229	0.12157	0.21678	2.72886	20.02555	0.59572	0.13625	0.23982	0.59572	0.13610	0.23960
97	40	2.76918	22.55572	0.59229	0.12275	0.21866	0.59229	0.12261	0.21844	2.72886	19.88587	0.59572	0.13720	0.24130	0.59572	0.13705	0.24106
97	41	2.76918	22.35340	0.59229	0.12386	0.22042	0.59229	0.12371	0.22018	2.72886	19.73995	0.59572	0.13821	0.24286	0.59572	0.13805	0.24261
97	42	2.76918	22.14385	0.59229	0.12503	0.22227	0.59229	0.12487	0.22202	2.72886	19.58769	0.59572	0.13929	0.24452	0.59572	0.13911	0.24425
97	43	2.76918	21.92669	0.59229	0.12627	0.22422	0.59229	0.12609	0.22395	2.72886	19.42870	0.59572	0.14042	0.24627	0.59572	0.14024	0.24598

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Retiree		Beneficiary	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity		Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Age	Age	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Factor	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Factor
97	44	2.76918	21.70178	0.59229	0.12757	0.22628	0.59229	0.12739	0.22599	2.72886	19.26280	0.59572	0.14163	0.24812	0.59572	0.14143	0.24781		
97	45	2.76918	21.46876	0.59229	0.12896	0.22845	0.59229	0.12875	0.22813	2.72886	19.08963	0.59572	0.14291	0.25009	0.59572	0.14269	0.24975		
97	46	2.76918	21.22763	0.59229	0.13042	0.23074	0.59229	0.13019	0.23039	2.72886	18.90911	0.59572	0.14427	0.25217	0.59572	0.14403	0.25179		
97	47	2.76918	20.97813	0.59229	0.13196	0.23316	0.59229	0.13171	0.23276	2.72886	18.72094	0.59572	0.14572	0.25437	0.59572	0.14545	0.25396		
97	48	2.76918	20.72003	0.59229	0.13360	0.23571	0.59229	0.13332	0.23527	2.72886	18.52488	0.59572	0.14725	0.25671	0.59572	0.14695	0.25624		
97	49	2.76918	20.45326	0.59229	0.13534	0.23841	0.59229	0.13501	0.23790	2.72886	18.32076	0.59572	0.14889	0.25919	0.59572	0.14854	0.25866		
97	50	2.76918	20.17742	0.59229	0.13718	0.24126	0.59229	0.13680	0.24067	2.72886	18.10816	0.59572	0.15063	0.26182	0.59572	0.15022	0.26120		
97	51	2.76918	19.89339	0.59229	0.13913	0.24427	0.59229	0.13868	0.24359	2.72886	17.88781	0.59572	0.15247	0.26460	0.59572	0.15200	0.26388		
97	52	2.76918	19.60122	0.59229	0.14119	0.24744	0.59229	0.14067	0.24665	2.72886	17.65967	0.59572	0.15442	0.26754	0.59572	0.15388	0.26671		
97	53	2.76918	19.30125	0.59229	0.14337	0.25079	0.59229	0.14277	0.24987	2.72886	17.42398	0.59572	0.15650	0.27064	0.59572	0.15586	0.26969		
97	54	2.76918	18.99375	0.59229	0.14568	0.25431	0.59229	0.14498	0.25325	2.72886	17.18091	0.59572	0.15869	0.27392	0.59572	0.15796	0.27283		
97	55	2.76918	18.67912	0.59229	0.14811	0.25801	0.59229	0.14732	0.25681	2.72886	16.93076	0.59572	0.16102	0.27737	0.59572	0.16018	0.27614		
97	56	2.76918	18.35803	0.59229	0.15069	0.26191	0.59229	0.14980	0.26056	2.72886	16.67407	0.59572	0.16348	0.28101	0.59572	0.16254	0.27963		
97	57	2.76918	18.02853	0.59229	0.15342	0.26602	0.59229	0.15242	0.26452	2.72886	16.40902	0.59572	0.16609	0.28487	0.59572	0.16505	0.28333		
97	58	2.76918	17.69065	0.59229	0.15633	0.27038	0.59229	0.15521	0.26871	2.72886	16.13552	0.59572	0.16888	0.28897	0.59572	0.16771	0.28725		
97	59	2.76918	17.34441	0.59229	0.15942	0.27500	0.59229	0.15817	0.27314	2.72886	15.85354	0.59572	0.17186	0.29331	0.59572	0.17055	0.29141		
97	60	2.76918	16.98967	0.59229	0.16272	0.27990	0.59229	0.16132	0.27783	2.72886	15.56284	0.59572	0.17504	0.29792	0.59572	0.17358	0.29581		
97	61	2.76918	16.62627	0.59229	0.16624	0.28509	0.59229	0.16468	0.28279	2.72886	15.26320	0.59572	0.17843	0.30283	0.59572	0.17681	0.30049		
97	62	2.76918	16.25423	0.59229	0.17001	0.29061	0.59229	0.16826	0.28806	2.72886	14.95454	0.59572	0.18207	0.30806	0.59572	0.18026	0.30546		
97	63	2.76918	15.87341	0.59229	0.17404	0.29648	0.59229	0.17209	0.29364	2.72886	14.63664	0.59572	0.18598	0.31363	0.59572	0.18395	0.31074		
97	64	2.76918	15.48353	0.59229	0.17837	0.30274	0.59229	0.17618	0.29957	2.72886	14.30913	0.59572	0.19017	0.31957	0.59572	0.18791	0.31637		
97	65	2.76918	15.08480	0.59229	0.18302	0.30941	0.59229	0.18055	0.30587	2.72886	13.97213	0.59572	0.19469	0.32593	0.59572	0.19214	0.32235		
97	66	2.76918	14.67724	0.59229	0.18802	0.31653	0.59229	0.18523	0.31256	2.72886	13.62552	0.59572	0.19956	0.33272	0.59572	0.19668	0.32872		
97	67	2.76918	14.26104	0.59229	0.19342	0.32414	0.59229	0.19024	0.31967	2.72886	13.26940	0.59572	0.20481	0.33999	0.59572	0.20156	0.33549		
97	68	2.76918	13.83657	0.59229	0.19923	0.33227	0.59229	0.19562	0.32722	2.72886	12.90401	0.59572	0.21049	0.34777	0.59572	0.20678	0.34270		
97	69	2.76918	13.40435	0.59229	0.20552	0.34096	0.59229	0.20138	0.33524	2.72886	12.52973	0.59572	0.21662	0.35610	0.59572	0.21239	0.35036		
97	70	2.76918	12.96501	0.59229	0.21231	0.35025	0.59229	0.20755	0.34375	2.72886	12.14706	0.59572	0.22326	0.36502	0.59572	0.21840	0.35851		
97	71	2.76918	12.51927	0.59229	0.21965	0.36018	0.59229	0.21416	0.35277	2.72886	11.75658	0.59572	0.23044	0.37457	0.59572	0.22486	0.36716		
97	72	2.76918	12.06792	0.59229	0.22760	0.37080	0.59229	0.22125	0.36234	2.72886	11.35893	0.59572	0.23823	0.38479	0.59572	0.23179	0.37634		
97	73	2.76918	11.61185	0.59229	0.23621	0.38215	0.59229	0.22886	0.37247	2.72886	10.95491	0.59572	0.24666	0.39572	0.59572	0.23922	0.38608		
97	74	2.76918	11.15217	0.59229	0.24553	0.39426	0.59229	0.23700	0.38319	2.72886	10.54549	0.59572	0.25581	0.40740	0.59572	0.24719	0.39639		
97	75	2.76918	10.68986	0.59229	0.25564	0.40719	0.59229	0.24573	0.39452	2.72886	10.13154	0.59572	0.26573	0.41988	0.59572	0.25573	0.40730		
97	76	2.76918	10.22626	0.59229	0.26660	0.42097	0.59229	0.25507	0.40647	2.72886	9.71428	0.59572	0.27648	0.43319	0.59572	0.26488	0.41882		
97	77	2.76918	9.76277	0.59229	0.27847	0.43563	0.59229	0.26507	0.41906	2.72886	9.29502	0.59572	0.28813	0.44737	0.59572	0.27467	0.43096		
97	78	2.76918	9.30064	0.59229	0.29133	0.45121	0.59229	0.27575	0.43229	2.72886	8.87492	0.59572	0.30076	0.46244	0.59572	0.28514	0.44374		
97	79	2.76918	8.84103	0.59229	0.30526	0.46774	0.59229	0.28714	0.44617	2.72886	8.45509	0.59572	0.31444	0.47843	0.59572	0.29631	0.45716		
97	80	2.76918	8.38551	0.59229	0.32032	0.48522	0.59229	0.29929	0.46069	2.72886	8.03703	0.59572	0.32923	0.49537	0.59572	0.30822	0.47121		
97	81	2.76918	7.93532	0.59229	0.33659	0.50365	0.59229	0.31219	0.47583	2.72886	7.62196	0.59572	0.34520	0.51324	0.59572	0.32088	0.48586		
97	82	2.76918	7.49211	0.59229	0.35412	0.52303	0.59229	0.32587	0.49156	2.72886	7.21152	0.59572	0.36242	0.53203	0.59572	0.33431	0.50110		
97	83	2.76918	7.05756	0.59229	0.37296	0.54329	0.59229	0.34033	0.50783	2.72886	6.80735	0.59572	0.38092	0.55169	0.59572	0.34850	0.51687		
97	84	2.76918	6.63342	0.59229	0.39312	0.56437	0.59229	0.35554	0.52457	2.72886	6.41122	0.59572	0.40072	0.57216	0.59572	0.36344	0.53312		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
97	85	2.76918	6.22156	0.59229	0.41458	0.58615	0.59229	0.37149	0.54173	2.72886	6.02503	0.59572	0.42179	0.59332	0.59572	0.37910	0.54978
97	86	2.76918	5.82374	0.59229	0.43729	0.60849	0.59229	0.38811	0.55919	2.72886	5.65055	0.59572	0.44408	0.61503	0.59572	0.39543	0.56675
97	87	2.76918	5.44155	0.59229	0.46115	0.63121	0.59229	0.40535	0.57687	2.72886	5.28949	0.59572	0.46750	0.63714	0.59572	0.41238	0.58395
97	88	2.76918	5.07613	0.59229	0.48604	0.65414	0.59229	0.42314	0.59466	2.72886	4.94306	0.59572	0.49194	0.65947	0.59572	0.42986	0.60126
97	89	2.76918	4.72862	0.59229	0.51180	0.67707	0.59229	0.44138	0.61244	2.72886	4.61250	0.59572	0.51722	0.68180	0.59572	0.44778	0.61858
97	90	2.76918	4.40007	0.59229	0.53818	0.69977	0.59229	0.45996	0.63009	2.72886	4.29901	0.59572	0.54313	0.70393	0.59572	0.46604	0.63578
97	91	2.76918	4.09149	0.59229	0.56493	0.72198	0.59229	0.47876	0.64751	2.72886	4.00370	0.59572	0.56938	0.72562	0.59572	0.48453	0.65277
97	92	2.76918	3.80354	0.59229	0.59173	0.74351	0.59229	0.49768	0.66460	2.72886	3.72738	0.59572	0.59571	0.74664	0.59572	0.50314	0.66945
97	93	2.76918	3.53621	0.59229	0.61833	0.76416	0.59229	0.51662	0.68128	2.72886	3.47020	0.59572	0.62183	0.76683	0.59572	0.52177	0.68574
97	94	2.76918	3.28870	0.59229	0.64448	0.78381	0.59229	0.53551	0.69750	2.72886	3.23152	0.59572	0.64753	0.78606	0.59572	0.54035	0.70159
97	95	2.76918	3.05955	0.59229	0.67002	0.80241	0.59229	0.55424	0.71320	2.72886	3.01004	0.59572	0.67264	0.80429	0.59572	0.55879	0.71695
97	96	2.76918	2.84646	0.59229	0.69481	0.81993	0.59229	0.57269	0.72829	2.72886	2.80360	0.59572	0.69704	0.82148	0.59572	0.57695	0.73173
97	97	2.76918	2.65226	0.59229	0.71837	0.83611	0.59229	0.59068	0.74267	2.72886	2.61510	0.59572	0.72023	0.83737	0.59572	0.59466	0.74581
97	98	2.76918	2.47567	0.59229	0.74056	0.85094	0.59229	0.60814	0.75632	2.72886	2.44340	0.59572	0.74209	0.85196	0.59572	0.61186	0.75920
97	99	2.76918	2.31535	0.59229	0.76131	0.86448	0.59229	0.62502	0.76925	2.72886	2.28724	0.59572	0.76256	0.86528	0.59572	0.62850	0.77188
97	100	2.76918	2.16976	0.59229	0.78061	0.87679	0.59229	0.64132	0.78147	2.72886	2.14523	0.59572	0.78160	0.87742	0.59572	0.64456	0.78387
97	101	2.76918	2.03734	0.59229	0.79849	0.88796	0.59229	0.65698	0.79299	2.72886	2.01587	0.59572	0.79926	0.88843	0.59572	0.66001	0.79518
97	102	2.76918	1.91714	0.59229	0.81493	0.89803	0.59229	0.67197	0.80381	2.72886	1.89830	0.59572	0.81551	0.89838	0.59572	0.67479	0.80582
97	103	2.76918	1.80800	0.59229	0.82999	0.90709	0.59229	0.68626	0.81394	2.72886	1.79140	0.59572	0.83041	0.90735	0.59572	0.68889	0.81579
97	104	2.76918	1.70943	0.59229	0.84364	0.91519	0.59229	0.69977	0.82337	2.72886	1.69474	0.59572	0.84394	0.91536	0.59572	0.70224	0.82507
97	105	2.76918	1.62048	0.59229	0.85597	0.92240	0.59229	0.71246	0.83209	2.72886	1.60741	0.59572	0.85615	0.92250	0.59572	0.71477	0.83366
97	106	2.76918	1.54080	0.59229	0.86695	0.92874	0.59229	0.72419	0.84004	2.72886	1.52911	0.59572	0.86706	0.92880	0.59572	0.72637	0.84150
97	107	2.76918	1.47009	0.59229	0.87659	0.93424	0.59229	0.73481	0.84714	2.72886	1.45954	0.59572	0.87663	0.93426	0.59572	0.73688	0.84851
97	108	2.76918	1.40861	0.59229	0.88479	0.93887	0.59229	0.74401	0.85322	2.72886	1.39898	0.59572	0.88478	0.93887	0.59572	0.74599	0.85452
97	109	2.76918	1.35764	0.59229	0.89133	0.94254	0.59229	0.75133	0.85801	2.72886	1.34871	0.59572	0.89130	0.94253	0.59572	0.75326	0.85927
97	110	2.76918	1.32125	0.59229	0.89583	0.94505	0.59229	0.75629	0.86123	2.72886	1.31279	0.59572	0.89579	0.94503	0.59572	0.75817	0.86245
98	1	2.57721	26.72925	0.57681	0.09642	0.17588	0.57681	0.09639	0.17583	2.54237	22.57586	0.58032	0.11261	0.20243	0.58032	0.11258	0.20238
98	2	2.57721	26.68154	0.57681	0.09659	0.17616	0.57681	0.09657	0.17613	2.54237	22.55058	0.58032	0.11274	0.20263	0.58032	0.11271	0.20259
98	3	2.57721	26.63112	0.57681	0.09677	0.17647	0.57681	0.09675	0.17644	2.54237	22.52338	0.58032	0.11287	0.20285	0.58032	0.11285	0.20282
98	4	2.57721	26.57806	0.57681	0.09697	0.17679	0.57681	0.09695	0.17676	2.54237	22.49433	0.58032	0.11302	0.20309	0.58032	0.11300	0.20305
98	5	2.57721	26.52283	0.57681	0.09717	0.17712	0.57681	0.09715	0.17709	2.54237	22.46379	0.58032	0.11317	0.20334	0.58032	0.11315	0.20330
98	6	2.57721	26.46539	0.57681	0.09738	0.17747	0.57681	0.09736	0.17745	2.54237	22.43176	0.58032	0.11334	0.20360	0.58032	0.11332	0.20356
98	7	2.57721	26.40551	0.57681	0.09760	0.17784	0.57681	0.09758	0.17781	2.54237	22.39806	0.58032	0.11351	0.20387	0.58032	0.11349	0.20384
98	8	2.57721	26.34335	0.57681	0.09783	0.17822	0.57681	0.09781	0.17819	2.54237	22.36278	0.58032	0.11368	0.20416	0.58032	0.11366	0.20413
98	9	2.57721	26.27867	0.57681	0.09807	0.17862	0.57681	0.09805	0.17859	2.54237	22.32575	0.58032	0.11387	0.20446	0.58032	0.11385	0.20443
98	10	2.57721	26.21121	0.57681	0.09832	0.17904	0.57681	0.09830	0.17901	2.54237	22.28674	0.58032	0.11407	0.20478	0.58032	0.11405	0.20475
98	11	2.57721	26.14141	0.57681	0.09858	0.17948	0.57681	0.09856	0.17944	2.54237	22.24611	0.58032	0.11428	0.20512	0.58032	0.11425	0.20508
98	12	2.57721	26.06892	0.57681	0.09886	0.17993	0.57681	0.09883	0.17989	2.54237	22.20360	0.58032	0.11450	0.20547	0.58032	0.11447	0.20542
98	13	2.57721	25.99388	0.57681	0.09914	0.18040	0.57681	0.09911	0.18035	2.54237	22.15929	0.58032	0.11473	0.20584	0.58032	0.11469	0.20578
98	14	2.57721	25.91617	0.57681	0.09944	0.18089	0.57681	0.09940	0.18083	2.54237	22.11310	0.58032	0.11497	0.20622	0.58032	0.11492	0.20616
98	15	2.57721	25.83587	0.57681	0.09975	0.18140	0.57681	0.09970	0.18133	2.54237	22.06509	0.58032	0.11522	0.20662	0.58032	0.11517	0.20655

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
98	16	2.57721	25.75319	0.57681	0.10007	0.18193	0.57681	0.10002	0.18185	2.54237	22.01544	0.58032	0.11547	0.20704	0.58032	0.11542	0.20695				
98	17	2.57721	25.66857	0.57681	0.10040	0.18247	0.57681	0.10034	0.18238	2.54237	21.96453	0.58032	0.11574	0.20747	0.58032	0.11568	0.20737				
98	18	2.57721	25.58235	0.57681	0.10074	0.18303	0.57681	0.10068	0.18294	2.54237	21.91267	0.58032	0.11601	0.20791	0.58032	0.11595	0.20780				
98	19	2.57721	25.49361	0.57681	0.10109	0.18361	0.57681	0.10103	0.18352	2.54237	21.85907	0.58032	0.11630	0.20837	0.58032	0.11624	0.20826				
98	20	2.57721	25.40164	0.57681	0.10145	0.18422	0.57681	0.10140	0.18413	2.54237	21.80312	0.58032	0.11660	0.20885	0.58032	0.11654	0.20875				
98	21	2.57721	25.30562	0.57681	0.10184	0.18485	0.57681	0.10179	0.18477	2.54237	21.74411	0.58032	0.11692	0.20935	0.58032	0.11686	0.20927				
98	22	2.57721	25.20517	0.57681	0.10224	0.18552	0.57681	0.10220	0.18545	2.54237	21.68171	0.58032	0.11725	0.20989	0.58032	0.11721	0.20982				
98	23	2.57721	25.09967	0.57681	0.10267	0.18623	0.57681	0.10264	0.18616	2.54237	21.61537	0.58032	0.11761	0.21047	0.58032	0.11757	0.21040				
98	24	2.57721	24.98936	0.57681	0.10313	0.18697	0.57681	0.10309	0.18691	2.54237	21.54528	0.58032	0.11800	0.21108	0.58032	0.11795	0.21102				
98	25	2.57721	24.87419	0.57681	0.10361	0.18776	0.57681	0.10356	0.18769	2.54237	21.47137	0.58032	0.11840	0.21173	0.58032	0.11836	0.21166				
98	26	2.57721	24.75420	0.57681	0.10411	0.18858	0.57681	0.10406	0.18851	2.54237	21.39367	0.58032	0.11883	0.21242	0.58032	0.11878	0.21234				
98	27	2.57721	24.62994	0.57681	0.10463	0.18944	0.57681	0.10458	0.18936	2.54237	21.31262	0.58032	0.11928	0.21314	0.58032	0.11923	0.21305				
98	28	2.57721	24.50119	0.57681	0.10518	0.19034	0.57681	0.10513	0.19025	2.54237	21.22804	0.58032	0.11976	0.21390	0.58032	0.11970	0.21380				
98	29	2.57721	24.36788	0.57681	0.10576	0.19128	0.57681	0.10570	0.19118	2.54237	21.13984	0.58032	0.12026	0.21469	0.58032	0.12019	0.21459				
98	30	2.57721	24.23009	0.57681	0.10636	0.19226	0.57681	0.10629	0.19216	2.54237	21.04806	0.58032	0.12078	0.21553	0.58032	0.12071	0.21541				
98	31	2.57721	24.08752	0.57681	0.10699	0.19329	0.57681	0.10691	0.19318	2.54237	20.95246	0.58032	0.12133	0.21640	0.58032	0.12125	0.21628				
98	32	2.57721	23.94006	0.57681	0.10764	0.19437	0.57681	0.10757	0.19424	2.54237	20.85289	0.58032	0.12191	0.21732	0.58032	0.12182	0.21719				
98	33	2.57721	23.78740	0.57681	0.10833	0.19549	0.57681	0.10825	0.19536	2.54237	20.74907	0.58032	0.12252	0.21829	0.58032	0.12243	0.21815				
98	34	2.57721	23.62942	0.57681	0.10906	0.19667	0.57681	0.10897	0.19653	2.54237	20.64088	0.58032	0.12316	0.21931	0.58032	0.12306	0.21916				
98	35	2.57721	23.46579	0.57681	0.10982	0.19790	0.57681	0.10972	0.19775	2.54237	20.52800	0.58032	0.12383	0.22038	0.58032	0.12373	0.22022				
98	36	2.57721	23.29632	0.57681	0.11062	0.19920	0.57681	0.11052	0.19904	2.54237	20.41023	0.58032	0.12455	0.22151	0.58032	0.12444	0.22134				
98	37	2.57721	23.12089	0.57681	0.11145	0.20056	0.57681	0.11135	0.20039	2.54237	20.28745	0.58032	0.12530	0.22270	0.58032	0.12519	0.22252				
98	38	2.57721	22.93911	0.57681	0.11234	0.20198	0.57681	0.11223	0.20181	2.54237	20.15926	0.58032	0.12610	0.22395	0.58032	0.12598	0.22377				
98	39	2.57721	22.75087	0.57681	0.11327	0.20348	0.57681	0.11315	0.20330	2.54237	20.02555	0.58032	0.12694	0.22528	0.58032	0.12681	0.22508				
98	40	2.57721	22.55572	0.57681	0.11424	0.20506	0.57681	0.11412	0.20486	2.54237	19.88587	0.58032	0.12783	0.22668	0.58032	0.12770	0.22647				
98	41	2.57721	22.35340	0.57681	0.11528	0.20672	0.57681	0.11515	0.20651	2.54237	19.73995	0.58032	0.12877	0.22816	0.58032	0.12863	0.22794				
98	42	2.57721	22.14385	0.57681	0.11637	0.20847	0.57681	0.11623	0.20825	2.54237	19.58769	0.58032	0.12977	0.22973	0.58032	0.12962	0.22949				
98	43	2.57721	21.92669	0.57681	0.11752	0.21032	0.57681	0.11737	0.21008	2.54237	19.42870	0.58032	0.13083	0.23139	0.58032	0.13067	0.23114				
98	44	2.57721	21.70178	0.57681	0.11873	0.21226	0.57681	0.11857	0.21200	2.54237	19.26280	0.58032	0.13196	0.23315	0.58032	0.13178	0.23287				
98	45	2.57721	21.46876	0.57681	0.12002	0.21432	0.57681	0.11984	0.21403	2.54237	19.08963	0.58032	0.13315	0.23501	0.58032	0.13296	0.23471				
98	46	2.57721	21.22763	0.57681	0.12138	0.21649	0.57681	0.12118	0.21617	2.54237	18.90911	0.58032	0.13442	0.23698	0.58032	0.13421	0.23665				
98	47	2.57721	20.97813	0.57681	0.12282	0.21877	0.57681	0.12260	0.21842	2.54237	18.72094	0.58032	0.13577	0.23907	0.58032	0.13553	0.23871				
98	48	2.57721	20.72003	0.57681	0.12435	0.22119	0.57681	0.12410	0.22080	2.54237	18.52488	0.58032	0.13720	0.24129	0.58032	0.13693	0.24088				
98	49	2.57721	20.45326	0.57681	0.12596	0.22374	0.57681	0.12568	0.22329	2.54237	18.32076	0.58032	0.13872	0.24364	0.58032	0.13842	0.24317				
98	50	2.57721	20.17742	0.57681	0.12768	0.22645	0.57681	0.12735	0.22592	2.54237	18.10816	0.58032	0.14034	0.24614	0.58032	0.13999	0.24560				
98	51	2.57721	19.89339	0.57681	0.12949	0.22930	0.57681	0.12911	0.22869	2.54237	17.88781	0.58032	0.14206	0.24878	0.58032	0.14165	0.24815				
98	52	2.57721	19.60122	0.57681	0.13141	0.23230	0.57681	0.13096	0.23160	2.54237	17.65967	0.58032	0.14388	0.25157	0.58032	0.14341	0.25084				
98	53	2.57721	19.30125	0.57681	0.13345	0.23547	0.57681	0.13292	0.23465	2.54237	17.42398	0.58032	0.14582	0.25452	0.58032	0.14526	0.25367				
98	54	2.57721	18.99375	0.57681	0.13559	0.23880	0.57681	0.13499	0.23787	2.54237	17.18091	0.58032	0.14787	0.25764	0.58032	0.14722	0.25666				
98	55	2.57721	18.67912	0.57681	0.13786	0.24232	0.57681	0.13717	0.24125	2.54237	16.93076	0.58032	0.15003	0.26092	0.58032	0.14930	0.25981				
98	56	2.57721	18.35803	0.57681	0.14026	0.24601	0.57681	0.13948	0.24482	2.54237	16.67407	0.58032	0.15233	0.26438	0.58032	0.15151	0.26315				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
98	57	2.57721	18.02853	0.57681	0.14281	0.24992	0.57681	0.14193	0.24859	2.54237	16.40902	0.58032	0.15477	0.26805	0.58032	0.15385	0.26668				
98	58	2.57721	17.69065	0.57681	0.14552	0.25406	0.57681	0.14454	0.25257	2.54237	16.13552	0.58032	0.15737	0.27195	0.58032	0.15635	0.27041				
98	59	2.57721	17.34441	0.57681	0.14840	0.25845	0.57681	0.14731	0.25679	2.54237	15.85354	0.58032	0.16015	0.27608	0.58032	0.15900	0.27438				
98	60	2.57721	16.98967	0.57681	0.15147	0.26310	0.57681	0.15025	0.26125	2.54237	15.56284	0.58032	0.16311	0.28048	0.58032	0.16183	0.27858				
98	61	2.57721	16.62627	0.57681	0.15476	0.26804	0.57681	0.15339	0.26598	2.54237	15.26320	0.58032	0.16628	0.28515	0.58032	0.16486	0.28305				
98	62	2.57721	16.25423	0.57681	0.15827	0.27329	0.57681	0.15674	0.27100	2.54237	14.95454	0.58032	0.16968	0.29013	0.58032	0.16809	0.28780				
98	63	2.57721	15.87341	0.57681	0.16203	0.27887	0.57681	0.16032	0.27633	2.54237	14.63664	0.58032	0.17333	0.29544	0.58032	0.17155	0.29286				
98	64	2.57721	15.48353	0.57681	0.16607	0.28483	0.57681	0.16414	0.28200	2.54237	14.30913	0.58032	0.17725	0.30112	0.58032	0.17525	0.29824				
98	65	2.57721	15.08480	0.57681	0.17040	0.29119	0.57681	0.16824	0.28802	2.54237	13.97213	0.58032	0.18146	0.30718	0.58032	0.17922	0.30397				
98	66	2.57721	14.67724	0.57681	0.17507	0.29798	0.57681	0.17262	0.29442	2.54237	13.62552	0.58032	0.18601	0.31368	0.58032	0.18348	0.31007				
98	67	2.57721	14.26104	0.57681	0.18011	0.30524	0.57681	0.17732	0.30123	2.54237	13.26940	0.58032	0.19092	0.32063	0.58032	0.18806	0.31658				
98	68	2.57721	13.83657	0.57681	0.18554	0.31300	0.57681	0.18237	0.30848	2.54237	12.90401	0.58032	0.19623	0.32808	0.58032	0.19297	0.32351				
98	69	2.57721	13.40435	0.57681	0.19141	0.32131	0.57681	0.18777	0.31618	2.54237	12.52973	0.58032	0.20196	0.33606	0.58032	0.19824	0.33089				
98	70	2.57721	12.96501	0.57681	0.19775	0.33021	0.57681	0.19357	0.32436	2.54237	12.14706	0.58032	0.20818	0.34461	0.58032	0.20390	0.33874				
98	71	2.57721	12.51927	0.57681	0.20462	0.33972	0.57681	0.19980	0.33305	2.54237	11.75658	0.58032	0.21490	0.35378	0.58032	0.20999	0.34709				
98	72	2.57721	12.06792	0.57681	0.21206	0.34991	0.57681	0.20648	0.34228	2.54237	11.35893	0.58032	0.22220	0.36360	0.58032	0.21652	0.35597				
98	73	2.57721	11.61185	0.57681	0.22012	0.36082	0.57681	0.21365	0.35208	2.54237	10.95491	0.58032	0.23011	0.37413	0.58032	0.22354	0.36539				
98	74	2.57721	11.15217	0.57681	0.22886	0.37248	0.57681	0.22134	0.36246	2.54237	10.54549	0.58032	0.23870	0.38540	0.58032	0.23107	0.37540				
98	75	2.57721	10.68986	0.57681	0.23835	0.38495	0.57681	0.22960	0.37345	2.54237	10.13154	0.58032	0.24802	0.39746	0.58032	0.23916	0.38601				
98	76	2.57721	10.22626	0.57681	0.24864	0.39826	0.57681	0.23845	0.38507	2.54237	9.71428	0.58032	0.25813	0.41034	0.58032	0.24784	0.39723				
98	77	2.57721	9.76277	0.57681	0.25981	0.41246	0.57681	0.24793	0.39734	2.54237	9.29502	0.58032	0.26911	0.42410	0.58032	0.25714	0.40909				
98	78	2.57721	9.30064	0.57681	0.27193	0.42758	0.57681	0.25808	0.41028	2.54237	8.87492	0.58032	0.28103	0.43875	0.58032	0.26711	0.42160				
98	79	2.57721	8.84103	0.57681	0.28507	0.44367	0.57681	0.26894	0.42388	2.54237	8.45509	0.58032	0.29395	0.45435	0.58032	0.27777	0.43478				
98	80	2.57721	8.38551	0.57681	0.29932	0.46073	0.57681	0.28054	0.43815	2.54237	8.03703	0.58032	0.30796	0.47091	0.58032	0.28916	0.44860				
98	81	2.57721	7.93532	0.57681	0.31474	0.47879	0.57681	0.29289	0.45308	2.54237	7.62196	0.58032	0.32313	0.48844	0.58032	0.30130	0.46307				
98	82	2.57721	7.49211	0.57681	0.33141	0.49783	0.57681	0.30602	0.46863	2.54237	7.21152	0.58032	0.33953	0.50693	0.58032	0.31420	0.47817				
98	83	2.57721	7.05756	0.57681	0.34937	0.51782	0.57681	0.31994	0.48478	2.54237	6.80735	0.58032	0.35719	0.52637	0.58032	0.32788	0.49384				
98	84	2.57721	6.63342	0.57681	0.36865	0.53871	0.57681	0.33463	0.50146	2.54237	6.41122	0.58032	0.37615	0.54667	0.58032	0.34233	0.51005				
98	85	2.57721	6.22156	0.57681	0.38926	0.56039	0.57681	0.35008	0.51860	2.54237	6.02503	0.58032	0.39642	0.56776	0.58032	0.35752	0.52672				
98	86	2.57721	5.82374	0.57681	0.41116	0.58273	0.57681	0.36624	0.53612	2.54237	5.65055	0.58032	0.41795	0.58951	0.58032	0.37341	0.54377				
98	87	2.57721	5.44155	0.57681	0.43429	0.60558	0.57681	0.38305	0.55393	2.54237	5.28949	0.58032	0.44068	0.61177	0.58032	0.38995	0.56110				
98	88	2.57721	5.07613	0.57681	0.45854	0.62876	0.57681	0.40047	0.57191	2.54237	4.94306	0.58032	0.46451	0.63436	0.58032	0.40709	0.57862				
98	89	2.57721	4.72862	0.57681	0.48376	0.65208	0.57681	0.41839	0.58995	2.54237	4.61250	0.58032	0.48931	0.65709	0.58032	0.42472	0.59621				
98	90	2.57721	4.40007	0.57681	0.50976	0.67529	0.57681	0.43671	0.60793	2.54237	4.29901	0.58032	0.51486	0.67975	0.58032	0.44275	0.61376				
98	91	2.57721	4.09149	0.57681	0.53628	0.69815	0.57681	0.45533	0.62574	2.54237	4.00370	0.58032	0.54092	0.70207	0.58032	0.46107	0.63114				
98	92	2.57721	3.80354	0.57681	0.56303	0.72044	0.57681	0.47414	0.64327	2.54237	3.72738	0.58032	0.56722	0.72385	0.58032	0.47958	0.64827				
98	93	2.57721	3.53621	0.57681	0.58976	0.74195	0.57681	0.49303	0.66045	2.54237	3.47020	0.58032	0.59349	0.74489	0.58032	0.49819	0.66505				
98	94	2.57721	3.28870	0.57681	0.61622	0.76255	0.57681	0.51194	0.67720	2.54237	3.23152	0.58032	0.61951	0.76506	0.58032	0.51680	0.68144				
98	95	2.57721	3.05955	0.57681	0.64225	0.78216	0.57681	0.53078	0.69348	2.54237	3.01004	0.58032	0.64511	0.78428	0.58032	0.53536	0.69737				
98	96	2.57721	2.84646	0.57681	0.66770	0.80075	0.57681	0.54940	0.70918	2.54237	2.80360	0.58032	0.67017	0.80252	0.58032	0.55370	0.71275				
98	97	2.57721	2.65226	0.57681	0.69206	0.81801	0.57681	0.56762	0.72418	2.54237	2.61510	0.58032	0.69416	0.81947	0.58032	0.57166	0.72746				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
98	98	2.57721	2.47567	0.57681	0.71516	0.83393	0.57681	0.58537	0.73846	2.54237	2.44340	0.58032	0.71692	0.83512	0.58032	0.58915	0.74147
98	99	2.57721	2.31535	0.57681	0.73690	0.84853	0.57681	0.60259	0.75202	2.54237	2.28724	0.58032	0.73837	0.84950	0.58032	0.60614	0.75478
98	100	2.57721	2.16976	0.57681	0.75726	0.86187	0.57681	0.61926	0.76487	2.54237	2.14523	0.58032	0.75846	0.86264	0.58032	0.62258	0.76740
98	101	2.57721	2.03734	0.57681	0.77624	0.87402	0.57681	0.63535	0.77702	2.54237	2.01587	0.58032	0.77720	0.87463	0.58032	0.63845	0.77933
98	102	2.57721	1.91714	0.57681	0.79379	0.88504	0.57681	0.65079	0.78846	2.54237	1.89830	0.58032	0.79455	0.88551	0.58032	0.65369	0.79058
98	103	2.57721	1.80800	0.57681	0.80996	0.89500	0.57681	0.66555	0.79920	2.54237	1.79140	0.58032	0.81054	0.89536	0.58032	0.66827	0.80115
98	104	2.57721	1.70943	0.57681	0.82471	0.90394	0.57681	0.67955	0.80921	2.54237	1.69474	0.58032	0.82514	0.90419	0.58032	0.68210	0.81101
98	105	2.57721	1.62048	0.57681	0.83809	0.91191	0.57681	0.69274	0.81848	2.54237	1.60741	0.58032	0.83840	0.91210	0.58032	0.69513	0.82015
98	106	2.57721	1.54080	0.57681	0.85007	0.91896	0.57681	0.70498	0.82696	2.54237	1.52911	0.58032	0.85028	0.91908	0.58032	0.70724	0.82852
98	107	2.57721	1.47009	0.57681	0.86062	0.92509	0.57681	0.71609	0.83456	2.54237	1.45954	0.58032	0.86077	0.92517	0.58032	0.71824	0.83602
98	108	2.57721	1.40861	0.57681	0.86965	0.93028	0.57681	0.72575	0.84109	2.54237	1.39898	0.58032	0.86974	0.93033	0.58032	0.72782	0.84247
98	109	2.57721	1.35764	0.57681	0.87688	0.93440	0.57681	0.73348	0.84625	2.54237	1.34871	0.58032	0.87694	0.93444	0.58032	0.73548	0.84758
98	110	2.57721	1.32125	0.57681	0.88187	0.93723	0.57681	0.73871	0.84972	2.54237	1.31279	0.58032	0.88191	0.93725	0.58032	0.74068	0.85102
99	1	2.40266	26.72925	0.56341	0.08989	0.16495	0.56341	0.08986	0.16491	2.37250	22.57586	0.56701	0.10509	0.19019	0.56701	0.10506	0.19015
99	2	2.40266	26.68154	0.56341	0.09005	0.16522	0.56341	0.09003	0.16519	2.37250	22.55058	0.56701	0.10521	0.19038	0.56701	0.10518	0.19035
99	3	2.40266	26.63112	0.56341	0.09022	0.16551	0.56341	0.09020	0.16548	2.37250	22.52338	0.56701	0.10533	0.19059	0.56701	0.10531	0.19056
99	4	2.40266	26.57806	0.56341	0.09040	0.16581	0.56341	0.09038	0.16578	2.37250	22.49433	0.56701	0.10547	0.19081	0.56701	0.10545	0.19078
99	5	2.40266	26.52283	0.56341	0.09059	0.16613	0.56341	0.09057	0.16610	2.37250	22.46379	0.56701	0.10561	0.19105	0.56701	0.10559	0.19102
99	6	2.40266	26.46539	0.56341	0.09078	0.16646	0.56341	0.09077	0.16643	2.37250	22.43176	0.56701	0.10576	0.19129	0.56701	0.10575	0.19126
99	7	2.40266	26.40551	0.56341	0.09099	0.16680	0.56341	0.09097	0.16677	2.37250	22.39806	0.56701	0.10592	0.19155	0.56701	0.10590	0.19153
99	8	2.40266	26.34335	0.56341	0.09120	0.16716	0.56341	0.09119	0.16714	2.37250	22.36278	0.56701	0.10609	0.19183	0.56701	0.10607	0.19180
99	9	2.40266	26.27867	0.56341	0.09143	0.16754	0.56341	0.09141	0.16751	2.37250	22.32575	0.56701	0.10627	0.19212	0.56701	0.10625	0.19208
99	10	2.40266	26.21121	0.56341	0.09166	0.16793	0.56341	0.09165	0.16790	2.37250	22.28674	0.56701	0.10645	0.19242	0.56701	0.10643	0.19238
99	11	2.40266	26.14141	0.56341	0.09191	0.16834	0.56341	0.09189	0.16831	2.37250	22.24611	0.56701	0.10665	0.19274	0.56701	0.10662	0.19270
99	12	2.40266	26.06892	0.56341	0.09216	0.16877	0.56341	0.09214	0.16873	2.37250	22.20360	0.56701	0.10685	0.19307	0.56701	0.10682	0.19303
99	13	2.40266	25.99388	0.56341	0.09243	0.16922	0.56341	0.09240	0.16917	2.37250	22.15929	0.56701	0.10706	0.19342	0.56701	0.10703	0.19337
99	14	2.40266	25.91617	0.56341	0.09271	0.16968	0.56341	0.09267	0.16963	2.37250	22.11310	0.56701	0.10728	0.19378	0.56701	0.10725	0.19372
99	15	2.40266	25.83587	0.56341	0.09299	0.17016	0.56341	0.09296	0.17010	2.37250	22.06509	0.56701	0.10752	0.19416	0.56701	0.10747	0.19409
99	16	2.40266	25.75319	0.56341	0.09329	0.17066	0.56341	0.09325	0.17059	2.37250	22.01544	0.56701	0.10776	0.19455	0.56701	0.10771	0.19447
99	17	2.40266	25.66857	0.56341	0.09360	0.17117	0.56341	0.09355	0.17109	2.37250	21.96453	0.56701	0.10801	0.19496	0.56701	0.10795	0.19487
99	18	2.40266	25.58235	0.56341	0.09391	0.17170	0.56341	0.09386	0.17162	2.37250	21.91267	0.56701	0.10826	0.19538	0.56701	0.10821	0.19528
99	19	2.40266	25.49361	0.56341	0.09424	0.17225	0.56341	0.09419	0.17216	2.37250	21.85907	0.56701	0.10853	0.19581	0.56701	0.10847	0.19572
99	20	2.40266	25.40164	0.56341	0.09458	0.17282	0.56341	0.09454	0.17274	2.37250	21.80312	0.56701	0.10881	0.19626	0.56701	0.10876	0.19618
99	21	2.40266	25.30562	0.56341	0.09494	0.17342	0.56341	0.09490	0.17335	2.37250	21.74411	0.56701	0.10910	0.19674	0.56701	0.10906	0.19667
99	22	2.40266	25.20517	0.56341	0.09532	0.17405	0.56341	0.09528	0.17399	2.37250	21.68171	0.56701	0.10942	0.19725	0.56701	0.10938	0.19719
99	23	2.40266	25.09967	0.56341	0.09572	0.17472	0.56341	0.09569	0.17466	2.37250	21.61537	0.56701	0.10976	0.19780	0.56701	0.10972	0.19774
99	24	2.40266	24.98936	0.56341	0.09614	0.17542	0.56341	0.09611	0.17537	2.37250	21.54528	0.56701	0.11011	0.19838	0.56701	0.11007	0.19832
99	25	2.40266	24.87419	0.56341	0.09659	0.17616	0.56341	0.09655	0.17610	2.37250	21.47137	0.56701	0.11049	0.19899	0.56701	0.11045	0.19893
99	26	2.40266	24.75420	0.56341	0.09706	0.17694	0.56341	0.09702	0.17688	2.37250	21.39367	0.56701	0.11089	0.19964	0.56701	0.11085	0.19958
99	27	2.40266	24.62994	0.56341	0.09755	0.17775	0.56341	0.09750	0.17768	2.37250	21.31262	0.56701	0.11131	0.20033	0.56701	0.11127	0.20025
99	28	2.40266	24.50119	0.56341	0.09806	0.17860	0.56341	0.09801	0.17852	2.37250	21.22804	0.56701	0.11176	0.20104	0.56701	0.11170	0.20096

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**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
99	29	2.40266	24.36788	0.56341	0.09859	0.17949	0.56341	0.09854	0.17940	2.37250	21.13984	0.56701	0.11222	0.20180	0.56701	0.11216	0.20170
99	30	2.40266	24.23009	0.56341	0.09915	0.18042	0.56341	0.09910	0.18032	2.37250	21.04806	0.56701	0.11271	0.20259	0.56701	0.11265	0.20249
99	31	2.40266	24.08752	0.56341	0.09974	0.18139	0.56341	0.09968	0.18129	2.37250	20.95246	0.56701	0.11322	0.20342	0.56701	0.11316	0.20331
99	32	2.40266	23.94006	0.56341	0.10035	0.18240	0.56341	0.10029	0.18229	2.37250	20.85289	0.56701	0.11376	0.20429	0.56701	0.11369	0.20417
99	33	2.40266	23.78740	0.56341	0.10100	0.18347	0.56341	0.10093	0.18335	2.37250	20.74907	0.56701	0.11433	0.20520	0.56701	0.11425	0.20508
99	34	2.40266	23.62942	0.56341	0.10167	0.18458	0.56341	0.10160	0.18445	2.37250	20.64088	0.56701	0.11493	0.20617	0.56701	0.11485	0.20603
99	35	2.40266	23.46579	0.56341	0.10238	0.18574	0.56341	0.10230	0.18561	2.37250	20.52800	0.56701	0.11556	0.20718	0.56701	0.11547	0.20704
99	36	2.40266	23.29632	0.56341	0.10313	0.18697	0.56341	0.10304	0.18683	2.37250	20.41023	0.56701	0.11623	0.20825	0.56701	0.11613	0.20810
99	37	2.40266	23.12089	0.56341	0.10391	0.18825	0.56341	0.10382	0.18810	2.37250	20.28745	0.56701	0.11693	0.20938	0.56701	0.11683	0.20922
99	38	2.40266	22.93911	0.56341	0.10473	0.18960	0.56341	0.10463	0.18944	2.37250	20.15926	0.56701	0.11767	0.21057	0.56701	0.11757	0.21040
99	39	2.40266	22.75087	0.56341	0.10560	0.19102	0.56341	0.10549	0.19085	2.37250	20.02555	0.56701	0.11846	0.21182	0.56701	0.11835	0.21165
99	40	2.40266	22.55572	0.56341	0.10651	0.19251	0.56341	0.10640	0.19234	2.37250	19.88587	0.56701	0.11929	0.21315	0.56701	0.11917	0.21297
99	41	2.40266	22.35340	0.56341	0.10747	0.19408	0.56341	0.10736	0.19390	2.37250	19.73995	0.56701	0.12017	0.21456	0.56701	0.12005	0.21436
99	42	2.40266	22.14385	0.56341	0.10849	0.19574	0.56341	0.10836	0.19554	2.37250	19.58769	0.56701	0.12110	0.21604	0.56701	0.12097	0.21583
99	43	2.40266	21.92669	0.56341	0.10956	0.19749	0.56341	0.10943	0.19727	2.37250	19.42870	0.56701	0.12209	0.21762	0.56701	0.12195	0.21739
99	44	2.40266	21.70178	0.56341	0.11069	0.19933	0.56341	0.11055	0.19909	2.37250	19.26280	0.56701	0.12314	0.21928	0.56701	0.12299	0.21904
99	45	2.40266	21.46876	0.56341	0.11189	0.20127	0.56341	0.11174	0.20102	2.37250	19.08963	0.56701	0.12426	0.22105	0.56701	0.12409	0.22078
99	46	2.40266	21.22763	0.56341	0.11316	0.20332	0.56341	0.11299	0.20304	2.37250	18.90911	0.56701	0.12544	0.22292	0.56701	0.12526	0.22263
99	47	2.40266	20.97813	0.56341	0.11451	0.20548	0.56341	0.11431	0.20517	2.37250	18.72094	0.56701	0.12670	0.22490	0.56701	0.12649	0.22458
99	48	2.40266	20.72003	0.56341	0.11593	0.20777	0.56341	0.11571	0.20742	2.37250	18.52488	0.56701	0.12804	0.22701	0.56701	0.12780	0.22664
99	49	2.40266	20.45326	0.56341	0.11744	0.21019	0.56341	0.11719	0.20979	2.37250	18.32076	0.56701	0.12946	0.22924	0.56701	0.12919	0.22882
99	50	2.40266	20.17742	0.56341	0.11904	0.21275	0.56341	0.11875	0.21229	2.37250	18.10816	0.56701	0.13097	0.23161	0.56701	0.13066	0.23113
99	51	2.40266	19.89339	0.56341	0.12073	0.21545	0.56341	0.12039	0.21491	2.37250	17.88781	0.56701	0.13258	0.23412	0.56701	0.13222	0.23356
99	52	2.40266	19.60122	0.56341	0.12252	0.21830	0.56341	0.12213	0.21767	2.37250	17.65967	0.56701	0.13428	0.23677	0.56701	0.13386	0.23612
99	53	2.40266	19.30125	0.56341	0.12442	0.22130	0.56341	0.12396	0.22058	2.37250	17.42398	0.56701	0.13609	0.23957	0.56701	0.13560	0.23882
99	54	2.40266	18.99375	0.56341	0.12642	0.22446	0.56341	0.12589	0.22363	2.37250	17.18091	0.56701	0.13800	0.24253	0.56701	0.13744	0.24166
99	55	2.40266	18.67912	0.56341	0.12854	0.22780	0.56341	0.12793	0.22684	2.37250	16.93076	0.56701	0.14003	0.24565	0.56701	0.13938	0.24466
99	56	2.40266	18.35803	0.56341	0.13078	0.23130	0.56341	0.13009	0.23024	2.37250	16.67407	0.56701	0.14217	0.24894	0.56701	0.14145	0.24784
99	57	2.40266	18.02853	0.56341	0.13315	0.23501	0.56341	0.13239	0.23382	2.37250	16.40902	0.56701	0.14445	0.25243	0.56701	0.14364	0.25120
99	58	2.40266	17.69065	0.56341	0.13568	0.23894	0.56341	0.13482	0.23761	2.37250	16.13552	0.56701	0.14688	0.25614	0.56701	0.14598	0.25477
99	59	2.40266	17.34441	0.56341	0.13837	0.24311	0.56341	0.13741	0.24162	2.37250	15.85354	0.56701	0.14947	0.26007	0.56701	0.14847	0.25855
99	60	2.40266	16.98967	0.56341	0.14124	0.24752	0.56341	0.14017	0.24587	2.37250	15.56284	0.56701	0.15224	0.26426	0.56701	0.15112	0.26256
99	61	2.40266	16.62627	0.56341	0.14431	0.25222	0.56341	0.14311	0.25038	2.37250	15.26320	0.56701	0.15521	0.26871	0.56701	0.15395	0.26683
99	62	2.40266	16.25423	0.56341	0.14759	0.25721	0.56341	0.14624	0.25517	2.37250	14.95454	0.56701	0.15838	0.27346	0.56701	0.15698	0.27136
99	63	2.40266	15.87341	0.56341	0.15110	0.26253	0.56341	0.14959	0.26025	2.37250	14.63664	0.56701	0.16179	0.27852	0.56701	0.16022	0.27620
99	64	2.40266	15.48353	0.56341	0.15487	0.26820	0.56341	0.15318	0.26566	2.37250	14.30913	0.56701	0.16546	0.28393	0.56701	0.16370	0.28134
99	65	2.40266	15.08480	0.56341	0.15892	0.27425	0.56341	0.15702	0.27142	2.37250	13.97213	0.56701	0.16940	0.28972	0.56701	0.16743	0.28683
99	66	2.40266	14.67724	0.56341	0.16328	0.28072	0.56341	0.16113	0.27754	2.37250	13.62552	0.56701	0.17365	0.29592	0.56701	0.17143	0.29268
99	67	2.40266	14.26104	0.56341	0.16798	0.28765	0.56341	0.16554	0.28406	2.37250	13.26940	0.56701	0.17825	0.30256	0.56701	0.17573	0.29892
99	68	2.40266	13.83657	0.56341	0.17306	0.29506	0.56341	0.17028	0.29100	2.37250	12.90401	0.56701	0.18321	0.30969	0.56701	0.18034	0.30558
99	69	2.40266	13.40435	0.56341	0.17855	0.30300	0.56341	0.17536	0.29839	2.37250	12.52973	0.56701	0.18859	0.31733	0.56701	0.18531	0.31267

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
99	70	2.40266	12.96501	0.56341	0.18449	0.31151	0.56341	0.18082	0.30625	2.37250	12.14706	0.56701	0.19441	0.32553	0.56701	0.19064	0.32023				
99	71	2.40266	12.51927	0.56341	0.19092	0.32062	0.56341	0.18668	0.31462	2.37250	11.75658	0.56701	0.20071	0.33432	0.56701	0.19637	0.32828				
99	72	2.40266	12.06792	0.56341	0.19788	0.33039	0.56341	0.19297	0.32351	2.37250	11.35893	0.56701	0.20755	0.34376	0.56701	0.20254	0.33685				
99	73	2.40266	11.61185	0.56341	0.20544	0.34085	0.56341	0.19974	0.33297	2.37250	10.95491	0.56701	0.21498	0.35388	0.56701	0.20917	0.34597				
99	74	2.40266	11.15217	0.56341	0.21364	0.35207	0.56341	0.20700	0.34300	2.37250	10.54549	0.56701	0.22304	0.36473	0.56701	0.21630	0.35567				
99	75	2.40266	10.68986	0.56341	0.22255	0.36407	0.56341	0.21481	0.35365	2.37250	10.13154	0.56701	0.23180	0.37636	0.56701	0.22396	0.36596				
99	76	2.40266	10.22626	0.56341	0.23222	0.37691	0.56341	0.22319	0.36494	2.37250	9.71428	0.56701	0.24132	0.38882	0.56701	0.23219	0.37688				
99	77	2.40266	9.76277	0.56341	0.24273	0.39064	0.56341	0.23219	0.37688	2.37250	9.29502	0.56701	0.25167	0.40213	0.56701	0.24103	0.38844				
99	78	2.40266	9.30064	0.56341	0.25414	0.40528	0.56341	0.24184	0.38949	2.37250	8.87492	0.56701	0.26291	0.41635	0.56701	0.25051	0.40066				
99	79	2.40266	8.84103	0.56341	0.26654	0.42090	0.56341	0.25218	0.40279	2.37250	8.45509	0.56701	0.27512	0.43152	0.56701	0.26068	0.41355				
99	80	2.40266	8.38551	0.56341	0.28001	0.43751	0.56341	0.26325	0.41678	2.37250	8.03703	0.56701	0.28838	0.44766	0.56701	0.27156	0.42713				
99	81	2.40266	7.93532	0.56341	0.29462	0.45514	0.56341	0.27507	0.43145	2.37250	7.62196	0.56701	0.30277	0.46481	0.56701	0.28319	0.44138				
99	82	2.40266	7.49211	0.56341	0.31044	0.47379	0.56341	0.28766	0.44679	2.37250	7.21152	0.56701	0.31835	0.48295	0.56701	0.29558	0.45629				
99	83	2.40266	7.05756	0.56341	0.32753	0.49345	0.56341	0.30104	0.46276	2.37250	6.80735	0.56701	0.33519	0.50208	0.56701	0.30874	0.47181				
99	84	2.40266	6.63342	0.56341	0.34594	0.51405	0.56341	0.31520	0.47932	2.37250	6.41122	0.56701	0.35332	0.52215	0.56701	0.32268	0.48792				
99	85	2.40266	6.22156	0.56341	0.36569	0.53554	0.56341	0.33014	0.49640	2.37250	6.02503	0.56701	0.37276	0.54308	0.56701	0.33739	0.50455				
99	86	2.40266	5.82374	0.56341	0.38675	0.55778	0.56341	0.34582	0.51391	2.37250	5.65055	0.56701	0.39349	0.56475	0.56701	0.35283	0.52161				
99	87	2.40266	5.44155	0.56341	0.40908	0.58063	0.56341	0.36219	0.53177	2.37250	5.28949	0.56701	0.41547	0.58704	0.56701	0.36895	0.53902				
99	88	2.40266	5.07613	0.56341	0.43260	0.60394	0.56341	0.37920	0.54988	2.37250	4.94306	0.56701	0.43862	0.60978	0.56701	0.38570	0.55668				
99	89	2.40266	4.72862	0.56341	0.45720	0.62751	0.56341	0.39676	0.56811	2.37250	4.61250	0.56701	0.46282	0.63278	0.56701	0.40300	0.57448				
99	90	2.40266	4.40007	0.56341	0.48269	0.65110	0.56341	0.41478	0.58636	2.37250	4.29901	0.56701	0.48790	0.65582	0.56701	0.42075	0.59229				
99	91	2.40266	4.09149	0.56341	0.50884	0.67448	0.56341	0.43316	0.60448	2.37250	4.00370	0.56701	0.51362	0.67866	0.56701	0.43885	0.61000				
99	92	2.40266	3.80354	0.56341	0.53538	0.69739	0.56341	0.45179	0.62239	2.37250	3.72738	0.56701	0.53973	0.70107	0.56701	0.45720	0.62751				
99	93	2.40266	3.53621	0.56341	0.56205	0.71963	0.56341	0.47058	0.63999	2.37250	3.47020	0.56701	0.56598	0.72284	0.56701	0.47572	0.64473				
99	94	2.40266	3.28870	0.56341	0.58864	0.74106	0.56341	0.48945	0.65722	2.37250	3.23152	0.56701	0.59214	0.74383	0.56701	0.49431	0.66159				
99	95	2.40266	3.05955	0.56341	0.61496	0.76158	0.56341	0.50832	0.67402	2.37250	3.01004	0.56701	0.61805	0.76395	0.56701	0.51291	0.67804				
99	96	2.40266	2.84646	0.56341	0.64089	0.78115	0.56341	0.52704	0.69027	2.37250	2.80360	0.56701	0.64359	0.78315	0.56701	0.53137	0.69398				
99	97	2.40266	2.65226	0.56341	0.66586	0.79942	0.56341	0.54542	0.70585	2.37250	2.61510	0.56701	0.66819	0.80110	0.56701	0.54949	0.70926				
99	98	2.40266	2.47567	0.56341	0.68971	0.81636	0.56341	0.56338	0.72072	2.37250	2.44340	0.56701	0.69170	0.81776	0.56701	0.56722	0.72385				
99	99	2.40266	2.31535	0.56341	0.71231	0.83198	0.56341	0.58088	0.73488	2.37250	2.28724	0.56701	0.71398	0.83313	0.56701	0.58448	0.73775				
99	100	2.40266	2.16976	0.56341	0.73359	0.84633	0.56341	0.59786	0.74833	2.37250	2.14523	0.56701	0.73499	0.84726	0.56701	0.60124	0.75097				
99	101	2.40266	2.03734	0.56341	0.75355	0.85946	0.56341	0.61430	0.76107	2.37250	2.01587	0.56701	0.75470	0.86020	0.56701	0.61747	0.76350				
99	102	2.40266	1.91714	0.56341	0.77212	0.87141	0.56341	0.63013	0.77310	2.37250	1.89830	0.56701	0.77306	0.87200	0.56701	0.63310	0.77533				
99	103	2.40266	1.80800	0.56341	0.78933	0.88226	0.56341	0.64531	0.78442	2.37250	1.79140	0.56701	0.79007	0.88273	0.56701	0.64810	0.78648				
99	104	2.40266	1.70943	0.56341	0.80510	0.89203	0.56341	0.65975	0.79500	2.37250	1.69474	0.56701	0.80569	0.89239	0.56701	0.66237	0.79690				
99	105	2.40266	1.62048	0.56341	0.81949	0.90079	0.56341	0.67340	0.80482	2.37250	1.60741	0.56701	0.81993	0.90106	0.56701	0.67586	0.80658				
99	106	2.40266	1.54080	0.56341	0.83243	0.90855	0.56341	0.68609	0.81383	2.37250	1.52911	0.56701	0.83277	0.90876	0.56701	0.68843	0.81547				
99	107	2.40266	1.47009	0.56341	0.84389	0.91534	0.56341	0.69766	0.82191	2.37250	1.45954	0.56701	0.84415	0.91549	0.56701	0.69989	0.82345				
99	108	2.40266	1.40861	0.56341	0.85373	0.92109	0.56341	0.70776	0.82888	2.37250	1.39898	0.56701	0.85393	0.92121	0.56701	0.70990	0.83034				
99	109	2.40266	1.35764	0.56341	0.86166	0.92569	0.56341	0.71586	0.83441	2.37250	1.34871	0.56701	0.86181	0.92578	0.56701	0.71794	0.83582				
99	110	2.40266	1.32125	0.56341	0.86714	0.92884	0.56341	0.72137	0.83813	2.37250	1.31279	0.56701	0.86727	0.92892	0.56701	0.72341	0.83951				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
100	1	2.24403	26.72925	0.55229	0.08395	0.15490	0.55229	0.08393	0.15487	2.21787	22.57586	0.55597	0.09824	0.17890	0.55597	0.09822	0.17886		
100	2	2.24403	26.68154	0.55229	0.08410	0.15516	0.55229	0.08409	0.15513	2.21787	22.55058	0.55597	0.09835	0.17908	0.55597	0.09833	0.17905		
100	3	2.24403	26.63112	0.55229	0.08426	0.15543	0.55229	0.08425	0.15540	2.21787	22.52338	0.55597	0.09847	0.17928	0.55597	0.09845	0.17925		
100	4	2.24403	26.57806	0.55229	0.08443	0.15571	0.55229	0.08442	0.15569	2.21787	22.49433	0.55597	0.09859	0.17949	0.55597	0.09858	0.17947		
100	5	2.24403	26.52283	0.55229	0.08461	0.15601	0.55229	0.08459	0.15599	2.21787	22.46379	0.55597	0.09873	0.17971	0.55597	0.09871	0.17969		
100	6	2.24403	26.46539	0.55229	0.08479	0.15633	0.55229	0.08478	0.15630	2.21787	22.43176	0.55597	0.09887	0.17995	0.55597	0.09885	0.17992		
100	7	2.24403	26.40551	0.55229	0.08498	0.15665	0.55229	0.08497	0.15663	2.21787	22.39806	0.55597	0.09902	0.18019	0.55597	0.09900	0.18017		
100	8	2.24403	26.34335	0.55229	0.08518	0.15699	0.55229	0.08517	0.15697	2.21787	22.36278	0.55597	0.09917	0.18045	0.55597	0.09916	0.18043		
100	9	2.24403	26.27867	0.55229	0.08539	0.15735	0.55229	0.08538	0.15732	2.21787	22.32575	0.55597	0.09934	0.18073	0.55597	0.09932	0.18070		
100	10	2.24403	26.21121	0.55229	0.08561	0.15772	0.55229	0.08560	0.15769	2.21787	22.28674	0.55597	0.09951	0.18101	0.55597	0.09950	0.18098		
100	11	2.24403	26.14141	0.55229	0.08584	0.15811	0.55229	0.08582	0.15808	2.21787	22.24611	0.55597	0.09969	0.18131	0.55597	0.09967	0.18128		
100	12	2.24403	26.06892	0.55229	0.08608	0.15851	0.55229	0.08606	0.15848	2.21787	22.20360	0.55597	0.09989	0.18163	0.55597	0.09986	0.18159		
100	13	2.24403	25.99388	0.55229	0.08633	0.15893	0.55229	0.08630	0.15889	2.21787	22.15929	0.55597	0.10008	0.18196	0.55597	0.10006	0.18191		
100	14	2.24403	25.91617	0.55229	0.08659	0.15937	0.55229	0.08656	0.15932	2.21787	22.11310	0.55597	0.10029	0.18230	0.55597	0.10026	0.18225		
100	15	2.24403	25.83587	0.55229	0.08685	0.15983	0.55229	0.08682	0.15977	2.21787	22.06509	0.55597	0.10051	0.18266	0.55597	0.10047	0.18260		
100	16	2.24403	25.75319	0.55229	0.08713	0.16030	0.55229	0.08709	0.16023	2.21787	22.01544	0.55597	0.10074	0.18303	0.55597	0.10069	0.18296		
100	17	2.24403	25.66857	0.55229	0.08742	0.16078	0.55229	0.08737	0.16071	2.21787	21.96453	0.55597	0.10097	0.18342	0.55597	0.10092	0.18334		
100	18	2.24403	25.58235	0.55229	0.08771	0.16128	0.55229	0.08767	0.16120	2.21787	21.91267	0.55597	0.10121	0.18381	0.55597	0.10116	0.18373		
100	19	2.24403	25.49361	0.55229	0.08802	0.16180	0.55229	0.08797	0.16172	2.21787	21.85907	0.55597	0.10146	0.18422	0.55597	0.10141	0.18414		
100	20	2.24403	25.40164	0.55229	0.08834	0.16234	0.55229	0.08830	0.16227	2.21787	21.80312	0.55597	0.10172	0.18465	0.55597	0.10167	0.18458		
100	21	2.24403	25.30562	0.55229	0.08867	0.16290	0.55229	0.08864	0.16284	2.21787	21.74411	0.55597	0.10199	0.18511	0.55597	0.10195	0.18504		
100	22	2.24403	25.20517	0.55229	0.08903	0.16350	0.55229	0.08899	0.16344	2.21787	21.68171	0.55597	0.10229	0.18559	0.55597	0.10225	0.18553		
100	23	2.24403	25.09967	0.55229	0.08940	0.16413	0.55229	0.08937	0.16408	2.21787	21.61537	0.55597	0.10260	0.18611	0.55597	0.10257	0.18605		
100	24	2.24403	24.98936	0.55229	0.08980	0.16480	0.55229	0.08977	0.16474	2.21787	21.54528	0.55597	0.10294	0.18666	0.55597	0.10290	0.18660		
100	25	2.24403	24.87419	0.55229	0.09021	0.16549	0.55229	0.09018	0.16544	2.21787	21.47137	0.55597	0.10329	0.18724	0.55597	0.10326	0.18718		
100	26	2.24403	24.75420	0.55229	0.09065	0.16623	0.55229	0.09062	0.16617	2.21787	21.39367	0.55597	0.10366	0.18786	0.55597	0.10363	0.18779		
100	27	2.24403	24.62994	0.55229	0.09111	0.16700	0.55229	0.09107	0.16694	2.21787	21.31262	0.55597	0.10406	0.18850	0.55597	0.10402	0.18843		
100	28	2.24403	24.50119	0.55229	0.09158	0.16780	0.55229	0.09154	0.16773	2.21787	21.22804	0.55597	0.10447	0.18918	0.55597	0.10443	0.18911		
100	29	2.24403	24.36788	0.55229	0.09209	0.16864	0.55229	0.09204	0.16856	2.21787	21.13984	0.55597	0.10491	0.18989	0.55597	0.10486	0.18981		
100	30	2.24403	24.23009	0.55229	0.09261	0.16952	0.55229	0.09256	0.16943	2.21787	21.04806	0.55597	0.10536	0.19064	0.55597	0.10531	0.19055		
100	31	2.24403	24.08752	0.55229	0.09316	0.17043	0.55229	0.09310	0.17034	2.21787	20.95246	0.55597	0.10585	0.19143	0.55597	0.10579	0.19133		
100	32	2.24403	23.94006	0.55229	0.09373	0.17139	0.55229	0.09367	0.17130	2.21787	20.85289	0.55597	0.10635	0.19225	0.55597	0.10629	0.19215		
100	33	2.24403	23.78740	0.55229	0.09433	0.17240	0.55229	0.09427	0.17229	2.21787	20.74907	0.55597	0.10688	0.19312	0.55597	0.10681	0.19301		
100	34	2.24403	23.62942	0.55229	0.09496	0.17345	0.55229	0.09489	0.17334	2.21787	20.64088	0.55597	0.10744	0.19404	0.55597	0.10737	0.19392		
100	35	2.24403	23.46579	0.55229	0.09562	0.17455	0.55229	0.09555	0.17443	2.21787	20.52800	0.55597	0.10803	0.19500	0.55597	0.10795	0.19487		
100	36	2.24403	23.29632	0.55229	0.09632	0.17571	0.55229	0.09624	0.17558	2.21787	20.41023	0.55597	0.10865	0.19601	0.55597	0.10857	0.19588		
100	37	2.24403	23.12089	0.55229	0.09705	0.17693	0.55229	0.09697	0.17679	2.21787	20.28745	0.55597	0.10931	0.19708	0.55597	0.10922	0.19694		
100	38	2.24403	22.93911	0.55229	0.09782	0.17820	0.55229	0.09773	0.17806	2.21787	20.15926	0.55597	0.11001	0.19821	0.55597	0.10991	0.19806		
100	39	2.24403	22.75087	0.55229	0.09863	0.17954	0.55229	0.09854	0.17939	2.21787	20.02555	0.55597	0.11074	0.19940	0.55597	0.11064	0.19924		
100	40	2.24403	22.55572	0.55229	0.09948	0.18095	0.55229	0.09938	0.18080	2.21787	19.88587	0.55597	0.11152	0.20066	0.55597	0.11141	0.20049		
100	41	2.24403	22.35340	0.55229	0.10038	0.18244	0.55229	0.10028	0.18228	2.21787	19.73995	0.55597	0.11234	0.20199	0.55597	0.11223	0.20181		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
100	42	2.24403	22.14385	0.55229	0.10133	0.18401	0.55229	0.10122	0.18383	2.21787	19.58769	0.55597	0.11321	0.20340	0.55597	0.11310	0.20321				
100	43	2.24403	21.92669	0.55229	0.10233	0.18566	0.55229	0.10221	0.18547	2.21787	19.42870	0.55597	0.11414	0.20489	0.55597	0.11401	0.20469				
100	44	2.24403	21.70178	0.55229	0.10339	0.18740	0.55229	0.10326	0.18720	2.21787	19.26280	0.55597	0.11512	0.20647	0.55597	0.11498	0.20625				
100	45	2.24403	21.46876	0.55229	0.10451	0.18924	0.55229	0.10437	0.18902	2.21787	19.08963	0.55597	0.11616	0.20815	0.55597	0.11601	0.20791				
100	46	2.24403	21.22763	0.55229	0.10569	0.19118	0.55229	0.10554	0.19094	2.21787	18.90911	0.55597	0.11727	0.20992	0.55597	0.11711	0.20966				
100	47	2.24403	20.97813	0.55229	0.10695	0.19323	0.55229	0.10678	0.19296	2.21787	18.72094	0.55597	0.11845	0.21180	0.55597	0.11826	0.21151				
100	48	2.24403	20.72003	0.55229	0.10828	0.19540	0.55229	0.10809	0.19509	2.21787	18.52488	0.55597	0.11970	0.21380	0.55597	0.11949	0.21348				
100	49	2.24403	20.45326	0.55229	0.10969	0.19769	0.55229	0.10947	0.19734	2.21787	18.32076	0.55597	0.12103	0.21592	0.55597	0.12079	0.21555				
100	50	2.24403	20.17742	0.55229	0.11118	0.20012	0.55229	0.11093	0.19971	2.21787	18.10816	0.55597	0.12244	0.21817	0.55597	0.12217	0.21774				
100	51	2.24403	19.89339	0.55229	0.11277	0.20268	0.55229	0.11247	0.20220	2.21787	17.88781	0.55597	0.12394	0.22055	0.55597	0.12363	0.22005				
100	52	2.24403	19.60122	0.55229	0.11444	0.20538	0.55229	0.11410	0.20482	2.21787	17.65967	0.55597	0.12554	0.22307	0.55597	0.12517	0.22249				
100	53	2.24403	19.30125	0.55229	0.11621	0.20822	0.55229	0.11581	0.20758	2.21787	17.42398	0.55597	0.12723	0.22573	0.55597	0.12680	0.22506				
100	54	2.24403	18.99375	0.55229	0.11808	0.21123	0.55229	0.11762	0.21048	2.21787	17.18091	0.55597	0.12902	0.22855	0.55597	0.12852	0.22777				
100	55	2.24403	18.67912	0.55229	0.12006	0.21439	0.55229	0.11953	0.21354	2.21787	16.93076	0.55597	0.13091	0.23151	0.55597	0.13035	0.23063				
100	56	2.24403	18.35803	0.55229	0.12215	0.21771	0.55229	0.12156	0.21676	2.21787	16.67407	0.55597	0.13292	0.23464	0.55597	0.13228	0.23366				
100	57	2.24403	18.02853	0.55229	0.12438	0.22124	0.55229	0.12370	0.22017	2.21787	16.40902	0.55597	0.13505	0.23796	0.55597	0.13434	0.23686				
100	58	2.24403	17.69065	0.55229	0.12674	0.22497	0.55229	0.12599	0.22378	2.21787	16.13552	0.55597	0.13733	0.24149	0.55597	0.13653	0.24026				
100	59	2.24403	17.34441	0.55229	0.12926	0.22892	0.55229	0.12841	0.22760	2.21787	15.85354	0.55597	0.13975	0.24523	0.55597	0.13886	0.24386				
100	60	2.24403	16.98967	0.55229	0.13194	0.23312	0.55229	0.13099	0.23165	2.21787	15.56284	0.55597	0.14235	0.24922	0.55597	0.14135	0.24769				
100	61	2.24403	16.62627	0.55229	0.13480	0.23758	0.55229	0.13375	0.23594	2.21787	15.26320	0.55597	0.14512	0.25346	0.55597	0.14401	0.25177				
100	62	2.24403	16.25423	0.55229	0.13787	0.24233	0.55229	0.13669	0.24050	2.21787	14.95454	0.55597	0.14809	0.25798	0.55597	0.14686	0.25610				
100	63	2.24403	15.87341	0.55229	0.14115	0.24739	0.55229	0.13983	0.24535	2.21787	14.63664	0.55597	0.15128	0.26281	0.55597	0.14990	0.26072				
100	64	2.24403	15.48353	0.55229	0.14468	0.25279	0.55229	0.14319	0.25052	2.21787	14.30913	0.55597	0.15471	0.26797	0.55597	0.15317	0.26565				
100	65	2.24403	15.08480	0.55229	0.14847	0.25855	0.55229	0.14680	0.25601	2.21787	13.97213	0.55597	0.15841	0.27349	0.55597	0.15667	0.27090				
100	66	2.24403	14.67724	0.55229	0.15255	0.26472	0.55229	0.15066	0.26187	2.21787	13.62552	0.55597	0.16239	0.27941	0.55597	0.16043	0.27650				
100	67	2.24403	14.26104	0.55229	0.15695	0.27132	0.55229	0.15481	0.26811	2.21787	13.26940	0.55597	0.16670	0.28576	0.55597	0.16447	0.28249				
100	68	2.24403	13.83657	0.55229	0.16171	0.27840	0.55229	0.15926	0.27476	2.21787	12.90401	0.55597	0.17135	0.29257	0.55597	0.16882	0.28887				
100	69	2.24403	13.40435	0.55229	0.16685	0.28598	0.55229	0.16404	0.28184	2.21787	12.52973	0.55597	0.17639	0.29988	0.55597	0.17349	0.29569				
100	70	2.24403	12.96501	0.55229	0.17241	0.29411	0.55229	0.16918	0.28939	2.21787	12.14706	0.55597	0.18185	0.30773	0.55597	0.17852	0.30296				
100	71	2.24403	12.51927	0.55229	0.17843	0.30283	0.55229	0.17470	0.29744	2.21787	11.75658	0.55597	0.18776	0.31616	0.55597	0.18393	0.31072				
100	72	2.24403	12.06792	0.55229	0.18497	0.31219	0.55229	0.18064	0.30600	2.21787	11.35893	0.55597	0.19419	0.32522	0.55597	0.18976	0.31898				
100	73	2.24403	11.61185	0.55229	0.19206	0.32223	0.55229	0.18702	0.31511	2.21787	10.95491	0.55597	0.20116	0.33494	0.55597	0.19602	0.32779				
100	74	2.24403	11.15217	0.55229	0.19976	0.33299	0.55229	0.19389	0.32481	2.21787	10.54549	0.55597	0.20874	0.34538	0.55597	0.20277	0.33717				
100	75	2.24403	10.68986	0.55229	0.20812	0.34454	0.55229	0.20128	0.33511	2.21787	10.13154	0.55597	0.21698	0.35659	0.55597	0.21003	0.34714				
100	76	2.24403	10.22626	0.55229	0.21722	0.35691	0.55229	0.20923	0.34605	2.21787	9.71428	0.55597	0.22594	0.36860	0.55597	0.21784	0.35774				
100	77	2.24403	9.76277	0.55229	0.22711	0.37015	0.55229	0.21776	0.35765	2.21787	9.29502	0.55597	0.23569	0.38147	0.55597	0.22623	0.36899				
100	78	2.24403	9.30064	0.55229	0.23787	0.38432	0.55229	0.22694	0.36992	2.21787	8.87492	0.55597	0.24630	0.39524	0.55597	0.23526	0.38091				
100	79	2.24403	8.84103	0.55229	0.24957	0.39945	0.55229	0.23678	0.38290	2.21787	8.45509	0.55597	0.25784	0.40997	0.55597	0.24495	0.39351				
100	80	2.24403	8.38551	0.55229	0.26229	0.41558	0.55229	0.24734	0.39659	2.21787	8.03703	0.55597	0.27038	0.42567	0.55597	0.25534	0.40681				
100	81	2.24403	7.93532	0.55229	0.27612	0.43275	0.55229	0.25864	0.41098	2.21787	7.62196	0.55597	0.28402	0.44239	0.55597	0.26647	0.42081				
100	82	2.24403	7.49211	0.55229	0.29113	0.45097	0.55229	0.27070	0.42607	2.21787	7.21152	0.55597	0.29882	0.46014	0.55597	0.27836	0.43549				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
100	83	2.24403	7.05756	0.55229	0.30738	0.47023	0.55229	0.28355	0.44183	2.21787	2.21787	6.80735	0.55597	0.31485	0.47892	0.55597	0.29102	0.45083	
100	84	2.24403	6.63342	0.55229	0.32494	0.49050	0.55229	0.29720	0.45821	2.21787	2.21787	6.41122	0.55597	0.33216	0.49868	0.55597	0.30446	0.46680	
100	85	2.24403	6.22156	0.55229	0.34382	0.51170	0.55229	0.31162	0.47517	2.21787	2.21787	6.02503	0.55597	0.35077	0.51936	0.55597	0.31868	0.48333	
100	86	2.24403	5.82374	0.55229	0.36402	0.53375	0.55229	0.32681	0.49262	2.21787	2.21787	5.65055	0.55597	0.37069	0.54088	0.55597	0.33364	0.50035	
100	87	2.24403	5.44155	0.55229	0.38553	0.55651	0.55229	0.34271	0.51048	2.21787	2.21787	5.28949	0.55597	0.39188	0.56309	0.55597	0.34932	0.51777	
100	88	2.24403	5.07613	0.55229	0.40828	0.57983	0.55229	0.35929	0.52865	2.21787	2.21787	4.94306	0.55597	0.41429	0.58586	0.55597	0.36567	0.53551	
100	89	2.24403	4.72862	0.55229	0.43217	0.60352	0.55229	0.37647	0.54701	2.21787	2.21787	4.61250	0.55597	0.43783	0.60901	0.55597	0.38260	0.55345	
100	90	2.24403	4.40007	0.55229	0.45705	0.62737	0.55229	0.39416	0.56544	2.21787	2.21787	4.29901	0.55597	0.46233	0.63232	0.55597	0.40004	0.57147	
100	91	2.24403	4.09149	0.55229	0.48271	0.65112	0.55229	0.41225	0.58383	2.21787	2.21787	4.00370	0.55597	0.48760	0.65556	0.55597	0.41788	0.58944	
100	92	2.24403	3.80354	0.55229	0.50890	0.67453	0.55229	0.43066	0.60204	2.21787	2.21787	3.72738	0.55597	0.51339	0.67847	0.55597	0.43603	0.60727	
100	93	2.24403	3.53621	0.55229	0.53538	0.69739	0.55229	0.44929	0.62001	2.21787	2.21787	3.47020	0.55597	0.53947	0.70085	0.55597	0.45439	0.62486	
100	94	2.24403	3.28870	0.55229	0.56193	0.71953	0.55229	0.46806	0.63766	2.21787	2.21787	3.23152	0.55597	0.56561	0.72254	0.55597	0.47291	0.64214	
100	95	2.24403	3.05955	0.55229	0.58838	0.74086	0.55229	0.48690	0.65492	2.21787	2.21787	3.01004	0.55597	0.59167	0.74346	0.55597	0.49149	0.65906	
100	96	2.24403	2.84646	0.55229	0.61461	0.76131	0.55229	0.50565	0.67167	2.21787	2.21787	2.80360	0.55597	0.61751	0.76353	0.55597	0.51000	0.67550	
100	97	2.24403	2.65226	0.55229	0.64003	0.78051	0.55229	0.52413	0.68778	2.21787	2.21787	2.61510	0.55597	0.64257	0.78239	0.55597	0.52823	0.69130	
100	98	2.24403	2.47567	0.55229	0.66445	0.79840	0.55229	0.54225	0.70319	2.21787	2.21787	2.44340	0.55597	0.66665	0.79999	0.55597	0.54612	0.70644	
100	99	2.24403	2.31535	0.55229	0.68774	0.81498	0.55229	0.55995	0.71791	2.21787	2.21787	2.28724	0.55597	0.68963	0.81631	0.55597	0.56359	0.72089	
100	100	2.24403	2.16976	0.55229	0.70982	0.83028	0.55229	0.57719	0.73192	2.21787	2.21787	2.14523	0.55597	0.71141	0.83138	0.55597	0.58061	0.73467	
100	101	2.24403	2.03734	0.55229	0.73063	0.84435	0.55229	0.59392	0.74523	2.21787	2.21787	2.01587	0.55597	0.73198	0.84525	0.55597	0.59714	0.74776	
100	102	2.24403	1.91714	0.55229	0.75012	0.85722	0.55229	0.61009	0.75783	2.21787	2.21787	1.89830	0.55597	0.75123	0.85795	0.55597	0.61311	0.76016	
100	103	2.24403	1.80800	0.55229	0.76827	0.86895	0.55229	0.62563	0.76971	2.21787	2.21787	1.79140	0.55597	0.76918	0.86953	0.55597	0.62848	0.77186	
100	104	2.24403	1.70943	0.55229	0.78500	0.87955	0.55229	0.64046	0.78083	2.21787	2.21787	1.69474	0.55597	0.78574	0.88002	0.55597	0.64314	0.78282	
100	105	2.24403	1.62048	0.55229	0.80033	0.88909	0.55229	0.65451	0.79119	2.21787	2.21787	1.60741	0.55597	0.80092	0.88946	0.55597	0.65704	0.79303	
100	106	2.24403	1.54080	0.55229	0.81419	0.89758	0.55229	0.66763	0.80069	2.21787	2.21787	1.52911	0.55597	0.81467	0.89787	0.55597	0.67003	0.80242	
100	107	2.24403	1.47009	0.55229	0.82653	0.90503	0.55229	0.67962	0.80926	2.21787	2.21787	1.45954	0.55597	0.82690	0.90525	0.55597	0.68191	0.81088	
100	108	2.24403	1.40861	0.55229	0.83716	0.91136	0.55229	0.69013	0.81666	2.21787	2.21787	1.39898	0.55597	0.83747	0.91155	0.55597	0.69233	0.81820	
100	109	2.24403	1.35764	0.55229	0.84577	0.91644	0.55229	0.69859	0.82255	2.21787	2.21787	1.34871	0.55597	0.84603	0.91659	0.55597	0.70073	0.82403	
100	110	2.24403	1.32125	0.55229	0.85173	0.91993	0.55229	0.70435	0.82653	2.21787	2.21787	1.31279	0.55597	0.85197	0.92007	0.55597	0.70645	0.82798	
101	1	2.09970	26.72925	0.54352	0.07855	0.14566	0.54352	0.07854	0.14563	2.07695	2.07695	22.57586	0.54727	0.09200	0.16849	0.54727	0.09198	0.16846	
101	2	2.09970	26.68154	0.54352	0.07869	0.14591	0.54352	0.07868	0.14588	2.07695	2.07695	22.55058	0.54727	0.09210	0.16867	0.54727	0.09208	0.16864	
101	3	2.09970	26.63112	0.54352	0.07884	0.14616	0.54352	0.07883	0.14614	2.07695	2.07695	22.52338	0.54727	0.09221	0.16885	0.54727	0.09220	0.16883	
101	4	2.09970	26.57806	0.54352	0.07900	0.14643	0.54352	0.07899	0.14641	2.07695	2.07695	22.49433	0.54727	0.09233	0.16905	0.54727	0.09232	0.16903	
101	5	2.09970	26.52283	0.54352	0.07916	0.14671	0.54352	0.07915	0.14669	2.07695	2.07695	22.46379	0.54727	0.09246	0.16926	0.54727	0.09244	0.16924	
101	6	2.09970	26.46539	0.54352	0.07934	0.14701	0.54352	0.07932	0.14699	2.07695	2.07695	22.43176	0.54727	0.09259	0.16948	0.54727	0.09257	0.16946	
101	7	2.09970	26.40551	0.54352	0.07952	0.14732	0.54352	0.07950	0.14730	2.07695	2.07695	22.39806	0.54727	0.09273	0.16972	0.54727	0.09271	0.16969	
101	8	2.09970	26.34335	0.54352	0.07970	0.14764	0.54352	0.07969	0.14762	2.07695	2.07695	22.36278	0.54727	0.09287	0.16996	0.54727	0.09286	0.16994	
101	9	2.09970	26.27867	0.54352	0.07990	0.14798	0.54352	0.07989	0.14796	2.07695	2.07695	22.32575	0.54727	0.09303	0.17022	0.54727	0.09301	0.17020	
101	10	2.09970	26.21121	0.54352	0.08011	0.14833	0.54352	0.08009	0.14831	2.07695	2.07695	22.28674	0.54727	0.09319	0.17049	0.54727	0.09317	0.17047	
101	11	2.09970	26.14141	0.54352	0.08032	0.14870	0.54352	0.08030	0.14867	2.07695	2.07695	22.24611	0.54727	0.09336	0.17078	0.54727	0.09334	0.17075	
101	12	2.09970	26.06892	0.54352	0.08054	0.14908	0.54352	0.08053	0.14905	2.07695	2.07695	22.20360	0.54727	0.09354	0.17108	0.54727	0.09352	0.17104	
101	13	2.09970	25.99388	0.54352	0.08077	0.14948	0.54352	0.08075	0.14944	2.07695	2.07695	22.15929	0.54727	0.09373	0.17139	0.54727	0.09370	0.17135	

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Retiree	Beneficiary	Retiree Annuity	Beneficiary Annuity Value	Option 1 Factor	Option 2 Factor	Option 3 Factor	Option 4 Factor	Option 5 Factor	Option 6 Factor	Retiree Annuity Value	Beneficiary Annuity Value	Option 1 Factor	Option 2 Factor	Option 3 Factor	Option 4 Factor	Option 5 Factor	Option 6 Factor
101	14	2.09970	25.91617	0.54352	0.08102	0.14989	0.54352	0.08099	0.14985	2.07695	22.11310	0.54727	0.09392	0.17171	0.54727	0.09389	0.17167
101	15	2.09970	25.83587	0.54352	0.08127	0.15032	0.54352	0.08124	0.15027	2.07695	22.06509	0.54727	0.09413	0.17206	0.54727	0.09409	0.17200
101	16	2.09970	25.75319	0.54352	0.08153	0.15077	0.54352	0.08149	0.15071	2.07695	22.01544	0.54727	0.09434	0.17241	0.54727	0.09430	0.17234
101	17	2.09970	25.66857	0.54352	0.08180	0.15122	0.54352	0.08176	0.15116	2.07695	21.96453	0.54727	0.09455	0.17277	0.54727	0.09451	0.17270
101	18	2.09970	25.58235	0.54352	0.08207	0.15169	0.54352	0.08203	0.15162	2.07695	21.91267	0.54727	0.09478	0.17315	0.54727	0.09473	0.17307
101	19	2.09970	25.49361	0.54352	0.08236	0.15218	0.54352	0.08232	0.15211	2.07695	21.85907	0.54727	0.09501	0.17353	0.54727	0.09497	0.17346
101	20	2.09970	25.40164	0.54352	0.08266	0.15269	0.54352	0.08262	0.15263	2.07695	21.80312	0.54727	0.09526	0.17394	0.54727	0.09521	0.17387
101	21	2.09970	25.30562	0.54352	0.08297	0.15323	0.54352	0.08294	0.15317	2.07695	21.74411	0.54727	0.09551	0.17437	0.54727	0.09548	0.17431
101	22	2.09970	25.20517	0.54352	0.08330	0.15379	0.54352	0.08327	0.15374	2.07695	21.68171	0.54727	0.09579	0.17483	0.54727	0.09576	0.17478
101	23	2.09970	25.09967	0.54352	0.08365	0.15439	0.54352	0.08362	0.15434	2.07695	21.61537	0.54727	0.09608	0.17532	0.54727	0.09605	0.17527
101	24	2.09970	24.98936	0.54352	0.08402	0.15502	0.54352	0.08400	0.15497	2.07695	21.54528	0.54727	0.09640	0.17584	0.54727	0.09637	0.17579
101	25	2.09970	24.87419	0.54352	0.08441	0.15568	0.54352	0.08438	0.15563	2.07695	21.47137	0.54727	0.09673	0.17639	0.54727	0.09670	0.17634
101	26	2.09970	24.75420	0.54352	0.08482	0.15637	0.54352	0.08479	0.15632	2.07695	21.39367	0.54727	0.09708	0.17698	0.54727	0.09705	0.17692
101	27	2.09970	24.62994	0.54352	0.08525	0.15710	0.54352	0.08521	0.15705	2.07695	21.31262	0.54727	0.09745	0.17759	0.54727	0.09741	0.17753
101	28	2.09970	24.50119	0.54352	0.08569	0.15786	0.54352	0.08566	0.15780	2.07695	21.22804	0.54727	0.09784	0.17823	0.54727	0.09780	0.17817
101	29	2.09970	24.36788	0.54352	0.08616	0.15866	0.54352	0.08612	0.15859	2.07695	21.13984	0.54727	0.09824	0.17891	0.54727	0.09820	0.17884
101	30	2.09970	24.23009	0.54352	0.08665	0.15949	0.54352	0.08661	0.15941	2.07695	21.04806	0.54727	0.09867	0.17962	0.54727	0.09862	0.17954
101	31	2.09970	24.08752	0.54352	0.08716	0.16035	0.54352	0.08712	0.16027	2.07695	20.95246	0.54727	0.09912	0.18036	0.54727	0.09907	0.18028
101	32	2.09970	23.94006	0.54352	0.08770	0.16126	0.54352	0.08765	0.16117	2.07695	20.85289	0.54727	0.09959	0.18115	0.54727	0.09954	0.18105
101	33	2.09970	23.78740	0.54352	0.08826	0.16221	0.54352	0.08821	0.16212	2.07695	20.74907	0.54727	0.10009	0.18197	0.54727	0.10003	0.18187
101	34	2.09970	23.62942	0.54352	0.08885	0.16321	0.54352	0.08879	0.16311	2.07695	20.64088	0.54727	0.10062	0.18284	0.54727	0.10055	0.18273
101	35	2.09970	23.46579	0.54352	0.08947	0.16425	0.54352	0.08941	0.16414	2.07695	20.52800	0.54727	0.10117	0.18375	0.54727	0.10110	0.18363
101	36	2.09970	23.29632	0.54352	0.09012	0.16535	0.54352	0.09006	0.16523	2.07695	20.41023	0.54727	0.10175	0.18471	0.54727	0.10168	0.18459
101	37	2.09970	23.12089	0.54352	0.09081	0.16649	0.54352	0.09074	0.16638	2.07695	20.28745	0.54727	0.10237	0.18572	0.54727	0.10229	0.18560
101	38	2.09970	22.93911	0.54352	0.09153	0.16770	0.54352	0.09145	0.16758	2.07695	20.15926	0.54727	0.10302	0.18679	0.54727	0.10294	0.18666
101	39	2.09970	22.75087	0.54352	0.09228	0.16897	0.54352	0.09220	0.16884	2.07695	20.02555	0.54727	0.10371	0.18792	0.54727	0.10362	0.18778
101	40	2.09970	22.55572	0.54352	0.09308	0.17031	0.54352	0.09300	0.17017	2.07695	19.88587	0.54727	0.10443	0.18912	0.54727	0.10434	0.18897
101	41	2.09970	22.35340	0.54352	0.09392	0.17172	0.54352	0.09383	0.17157	2.07695	19.73995	0.54727	0.10520	0.19038	0.54727	0.10511	0.19022
101	42	2.09970	22.14385	0.54352	0.09481	0.17320	0.54352	0.09472	0.17304	2.07695	19.58769	0.54727	0.10602	0.19172	0.54727	0.10592	0.19155
101	43	2.09970	21.92669	0.54352	0.09575	0.17476	0.54352	0.09565	0.17459	2.07695	19.42870	0.54727	0.10689	0.19313	0.54727	0.10678	0.19295
101	44	2.09970	21.70178	0.54352	0.09674	0.17641	0.54352	0.09663	0.17623	2.07695	19.26280	0.54727	0.10781	0.19463	0.54727	0.10769	0.19444
101	45	2.09970	21.46876	0.54352	0.09779	0.17816	0.54352	0.09767	0.17796	2.07695	19.08963	0.54727	0.10878	0.19622	0.54727	0.10865	0.19601
101	46	2.09970	21.22763	0.54352	0.09890	0.18000	0.54352	0.09877	0.17978	2.07695	18.90911	0.54727	0.10982	0.19791	0.54727	0.10968	0.19768
101	47	2.09970	20.97813	0.54352	0.10007	0.18194	0.54352	0.09993	0.18170	2.07695	18.72094	0.54727	0.11092	0.19970	0.54727	0.11076	0.19944
101	48	2.09970	20.72003	0.54352	0.10132	0.18399	0.54352	0.10115	0.18372	2.07695	18.52488	0.54727	0.11209	0.20159	0.54727	0.11192	0.20130
101	49	2.09970	20.45326	0.54352	0.10264	0.18617	0.54352	0.10245	0.18586	2.07695	18.32076	0.54727	0.11334	0.20360	0.54727	0.11314	0.20328
101	50	2.09970	20.17742	0.54352	0.10404	0.18847	0.54352	0.10382	0.18811	2.07695	18.10816	0.54727	0.11467	0.20574	0.54727	0.11443	0.20536
101	51	2.09970	19.89339	0.54352	0.10552	0.19089	0.54352	0.10526	0.19047	2.07695	17.88781	0.54727	0.11607	0.20800	0.54727	0.11580	0.20756
101	52	2.09970	19.60122	0.54352	0.10708	0.19345	0.54352	0.10678	0.19296	2.07695	17.65967	0.54727	0.11757	0.21040	0.54727	0.11725	0.20988
101	53	2.09970	19.30125	0.54352	0.10874	0.19616	0.54352	0.10839	0.19558	2.07695	17.42398	0.54727	0.11915	0.21293	0.54727	0.11878	0.21233
101	54	2.09970	18.99375	0.54352	0.11050	0.19900	0.54352	0.11009	0.19834	2.07695	17.18091	0.54727	0.12083	0.21560	0.54727	0.12039	0.21491

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
101	96	2.09970	2.84646	0.54352	0.58898	0.74133	0.54352	0.48523	0.65341	2.07695	2.80360	0.54727	0.59207	0.74377	0.54727	0.48958	0.65734
101	97	2.09970	2.65226	0.54352	0.61469	0.76137	0.54352	0.50375	0.66999	2.07695	2.61510	0.54727	0.61742	0.76346	0.54727	0.50786	0.67362
101	98	2.09970	2.47567	0.54352	0.63954	0.78014	0.54352	0.52197	0.68591	2.07695	2.44340	0.54727	0.64193	0.78192	0.54727	0.52585	0.68926
101	99	2.09970	2.31535	0.54352	0.66337	0.79762	0.54352	0.53981	0.70114	2.07695	2.28724	0.54727	0.66545	0.79912	0.54727	0.54348	0.70423
101	100	2.09970	2.16976	0.54352	0.68609	0.81383	0.54352	0.55725	0.71568	2.07695	2.14523	0.54727	0.68788	0.81508	0.54727	0.56071	0.71853
101	101	2.09970	2.03734	0.54352	0.70765	0.82880	0.54352	0.57422	0.72953	2.07695	2.01587	0.54727	0.70917	0.82984	0.54727	0.57748	0.73216
101	102	2.09970	1.91714	0.54352	0.72793	0.84255	0.54352	0.59066	0.74266	2.07695	1.89830	0.54727	0.72922	0.84341	0.54727	0.59373	0.74508
101	103	2.09970	1.80800	0.54352	0.74693	0.85513	0.54352	0.60652	0.75507	2.07695	1.79140	0.54727	0.74801	0.85584	0.54727	0.60942	0.75731
101	104	2.09970	1.70943	0.54352	0.76453	0.86655	0.54352	0.62169	0.76672	2.07695	1.69474	0.54727	0.76543	0.86713	0.54727	0.62442	0.76880
101	105	2.09970	1.62048	0.54352	0.78074	0.87687	0.54352	0.63610	0.77758	2.07695	1.60741	0.54727	0.78148	0.87734	0.54727	0.63869	0.77951
101	106	2.09970	1.54080	0.54352	0.79546	0.88608	0.54352	0.64960	0.78759	2.07695	1.52911	0.54727	0.79607	0.88646	0.54727	0.65206	0.78939
101	107	2.09970	1.47009	0.54352	0.80863	0.89419	0.54352	0.66198	0.79661	2.07695	1.45954	0.54727	0.80913	0.89450	0.54727	0.66432	0.79831
101	108	2.09970	1.40861	0.54352	0.82003	0.90112	0.54352	0.67286	0.80444	2.07695	1.39898	0.54727	0.82046	0.90138	0.54727	0.67512	0.80605
101	109	2.09970	1.35764	0.54352	0.82930	0.90668	0.54352	0.68166	0.81070	2.07695	1.34871	0.54727	0.82967	0.90691	0.54727	0.68386	0.81225
101	110	2.09970	1.32125	0.54352	0.83574	0.91052	0.54352	0.68766	0.81493	2.07695	1.31279	0.54727	0.83608	0.91072	0.54727	0.68982	0.81644
102	1	1.96852	26.72925	0.53722	0.07365	0.13719	0.53722	0.07363	0.13716	1.94870	22.57586	0.54108	0.08632	0.15892	0.54108	0.08630	0.15888
102	2	1.96852	26.68154	0.53722	0.07378	0.13742	0.53722	0.07376	0.13739	1.94870	22.55058	0.54108	0.08641	0.15908	0.54108	0.08640	0.15905
102	3	1.96852	26.63112	0.53722	0.07392	0.13766	0.53722	0.07391	0.13764	1.94870	22.52338	0.54108	0.08652	0.15926	0.54108	0.08650	0.15923
102	4	1.96852	26.57806	0.53722	0.07406	0.13791	0.53722	0.07405	0.13790	1.94870	22.49433	0.54108	0.08663	0.15945	0.54108	0.08662	0.15942
102	5	1.96852	26.52283	0.53722	0.07422	0.13818	0.53722	0.07421	0.13816	1.94870	22.46379	0.54108	0.08675	0.15965	0.54108	0.08673	0.15962
102	6	1.96852	26.46539	0.53722	0.07438	0.13846	0.53722	0.07437	0.13844	1.94870	22.43176	0.54108	0.08687	0.15986	0.54108	0.08686	0.15983
102	7	1.96852	26.40551	0.53722	0.07455	0.13875	0.53722	0.07454	0.13873	1.94870	22.39806	0.54108	0.08700	0.16008	0.54108	0.08699	0.16006
102	8	1.96852	26.34335	0.53722	0.07472	0.13906	0.53722	0.07471	0.13904	1.94870	22.36278	0.54108	0.08714	0.16031	0.54108	0.08713	0.16029
102	9	1.96852	26.27867	0.53722	0.07491	0.13938	0.53722	0.07490	0.13936	1.94870	22.32575	0.54108	0.08728	0.16055	0.54108	0.08727	0.16053
102	10	1.96852	26.21121	0.53722	0.07510	0.13971	0.53722	0.07509	0.13969	1.94870	22.28674	0.54108	0.08744	0.16081	0.54108	0.08742	0.16079
102	11	1.96852	26.14141	0.53722	0.07530	0.14006	0.53722	0.07529	0.14003	1.94870	22.24611	0.54108	0.08760	0.16108	0.54108	0.08758	0.16106
102	12	1.96852	26.06892	0.53722	0.07551	0.14042	0.53722	0.07550	0.14039	1.94870	22.20360	0.54108	0.08776	0.16136	0.54108	0.08775	0.16134
102	13	1.96852	25.99388	0.53722	0.07573	0.14080	0.53722	0.07571	0.14076	1.94870	22.15929	0.54108	0.08794	0.16166	0.54108	0.08792	0.16163
102	14	1.96852	25.91617	0.53722	0.07596	0.14119	0.53722	0.07593	0.14115	1.94870	22.11310	0.54108	0.08812	0.16197	0.54108	0.08810	0.16193
102	15	1.96852	25.83587	0.53722	0.07619	0.14159	0.53722	0.07617	0.14155	1.94870	22.06509	0.54108	0.08831	0.16229	0.54108	0.08828	0.16224
102	16	1.96852	25.75319	0.53722	0.07644	0.14202	0.53722	0.07640	0.14196	1.94870	22.01544	0.54108	0.08851	0.16263	0.54108	0.08848	0.16257
102	17	1.96852	25.66857	0.53722	0.07669	0.14245	0.53722	0.07665	0.14239	1.94870	21.96453	0.54108	0.08872	0.16297	0.54108	0.08868	0.16291
102	18	1.96852	25.58235	0.53722	0.07695	0.14290	0.53722	0.07691	0.14283	1.94870	21.91267	0.54108	0.08893	0.16333	0.54108	0.08888	0.16326
102	19	1.96852	25.49361	0.53722	0.07721	0.14336	0.53722	0.07718	0.14330	1.94870	21.85907	0.54108	0.08914	0.16370	0.54108	0.08910	0.16363
102	20	1.96852	25.40164	0.53722	0.07749	0.14384	0.53722	0.07746	0.14378	1.94870	21.80312	0.54108	0.08937	0.16408	0.54108	0.08934	0.16402
102	21	1.96852	25.30562	0.53722	0.07779	0.14435	0.53722	0.07776	0.14430	1.94870	21.74411	0.54108	0.08962	0.16449	0.54108	0.08958	0.16444
102	22	1.96852	25.20517	0.53722	0.07810	0.14488	0.53722	0.07807	0.14484	1.94870	21.68171	0.54108	0.08987	0.16493	0.54108	0.08985	0.16488
102	23	1.96852	25.09967	0.53722	0.07843	0.14545	0.53722	0.07840	0.14540	1.94870	21.61537	0.54108	0.09015	0.16539	0.54108	0.09012	0.16535
102	24	1.96852	24.98936	0.53722	0.07877	0.14604	0.53722	0.07875	0.14600	1.94870	21.54528	0.54108	0.09044	0.16588	0.54108	0.09042	0.16584
102	25	1.96852	24.87419	0.53722	0.07914	0.14667	0.53722	0.07911	0.14663	1.94870	21.47137	0.54108	0.09076	0.16641	0.54108	0.09073	0.16636
102	26	1.96852	24.75420	0.53722	0.07952	0.14733	0.53722	0.07949	0.14728	1.94870	21.39367	0.54108	0.09108	0.16696	0.54108	0.09106	0.16691

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>		<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	
102	27	1.96852	24.62994	0.53722	0.07992	0.14801	0.53722	0.07989	0.14796	1.94870	21.31262	0.54108	0.09143	0.16754	0.54108	0.09140	0.16749				
102	28	1.96852	24.50119	0.53722	0.08034	0.14873	0.53722	0.08031	0.14868	1.94870	21.22804	0.54108	0.09179	0.16815	0.54108	0.09176	0.16809				
102	29	1.96852	24.36788	0.53722	0.08078	0.14949	0.53722	0.08074	0.14942	1.94870	21.13984	0.54108	0.09218	0.16880	0.54108	0.09214	0.16873				
102	30	1.96852	24.23009	0.53722	0.08124	0.15027	0.53722	0.08120	0.15020	1.94870	21.04806	0.54108	0.09258	0.16947	0.54108	0.09254	0.16940				
102	31	1.96852	24.08752	0.53722	0.08172	0.15109	0.53722	0.08168	0.15102	1.94870	20.95246	0.54108	0.09300	0.17018	0.54108	0.09295	0.17010				
102	32	1.96852	23.94006	0.53722	0.08222	0.15195	0.53722	0.08218	0.15187	1.94870	20.85289	0.54108	0.09344	0.17092	0.54108	0.09339	0.17083				
102	33	1.96852	23.78740	0.53722	0.08275	0.15285	0.53722	0.08270	0.15277	1.94870	20.74907	0.54108	0.09391	0.17170	0.54108	0.09386	0.17161				
102	34	1.96852	23.62942	0.53722	0.08330	0.15380	0.53722	0.08325	0.15371	1.94870	20.64088	0.54108	0.09440	0.17252	0.54108	0.09435	0.17242				
102	35	1.96852	23.46579	0.53722	0.08388	0.15478	0.53722	0.08383	0.15469	1.94870	20.52800	0.54108	0.09492	0.17339	0.54108	0.09486	0.17328				
102	36	1.96852	23.29632	0.53722	0.08449	0.15582	0.53722	0.08443	0.15572	1.94870	20.41023	0.54108	0.09547	0.17430	0.54108	0.09540	0.17419				
102	37	1.96852	23.12089	0.53722	0.08513	0.15691	0.53722	0.08507	0.15680	1.94870	20.28745	0.54108	0.09605	0.17526	0.54108	0.09598	0.17515				
102	38	1.96852	22.93911	0.53722	0.08581	0.15806	0.53722	0.08574	0.15794	1.94870	20.15926	0.54108	0.09666	0.17628	0.54108	0.09658	0.17616				
102	39	1.96852	22.75087	0.53722	0.08652	0.15926	0.53722	0.08645	0.15914	1.94870	20.02555	0.54108	0.09730	0.17735	0.54108	0.09723	0.17722				
102	40	1.96852	22.55572	0.53722	0.08727	0.16052	0.53722	0.08719	0.16040	1.94870	19.88587	0.54108	0.09799	0.17848	0.54108	0.09790	0.17835				
102	41	1.96852	22.35340	0.53722	0.08806	0.16186	0.53722	0.08798	0.16173	1.94870	19.73995	0.54108	0.09871	0.17968	0.54108	0.09862	0.17954				
102	42	1.96852	22.14385	0.53722	0.08889	0.16327	0.53722	0.08881	0.16312	1.94870	19.58769	0.54108	0.09948	0.18095	0.54108	0.09938	0.18080				
102	43	1.96852	21.92669	0.53722	0.08977	0.16475	0.53722	0.08968	0.16460	1.94870	19.42870	0.54108	0.10029	0.18230	0.54108	0.10019	0.18213				
102	44	1.96852	21.70178	0.53722	0.09070	0.16631	0.53722	0.09060	0.16615	1.94870	19.26280	0.54108	0.10115	0.18372	0.54108	0.10105	0.18355				
102	45	1.96852	21.46876	0.53722	0.09168	0.16796	0.53722	0.09158	0.16779	1.94870	19.08963	0.54108	0.10207	0.18523	0.54108	0.10195	0.18504				
102	46	1.96852	21.22763	0.53722	0.09272	0.16971	0.53722	0.09261	0.16951	1.94870	18.90911	0.54108	0.10304	0.18683	0.54108	0.10292	0.18662				
102	47	1.96852	20.97813	0.53722	0.09382	0.17155	0.53722	0.09369	0.17134	1.94870	18.72094	0.54108	0.10408	0.18853	0.54108	0.10394	0.18830				
102	48	1.96852	20.72003	0.53722	0.09499	0.17350	0.53722	0.09485	0.17326	1.94870	18.52488	0.54108	0.10518	0.19033	0.54108	0.10502	0.19008				
102	49	1.96852	20.45326	0.53722	0.09623	0.17556	0.53722	0.09606	0.17529	1.94870	18.32076	0.54108	0.10634	0.19224	0.54108	0.10617	0.19195				
102	50	1.96852	20.17742	0.53722	0.09754	0.17774	0.53722	0.09735	0.17742	1.94870	18.10816	0.54108	0.10759	0.19428	0.54108	0.10738	0.19394				
102	51	1.96852	19.89339	0.53722	0.09893	0.18005	0.53722	0.09870	0.17967	1.94870	17.88781	0.54108	0.10891	0.19643	0.54108	0.10867	0.19603				
102	52	1.96852	19.60122	0.53722	0.10040	0.18248	0.53722	0.10014	0.18204	1.94870	17.65967	0.54108	0.11031	0.19870	0.54108	0.11003	0.19825				
102	53	1.96852	19.30125	0.53722	0.10195	0.18504	0.53722	0.10165	0.18453	1.94870	17.42398	0.54108	0.11180	0.20111	0.54108	0.11147	0.20058				
102	54	1.96852	18.99375	0.53722	0.10360	0.18775	0.53722	0.10324	0.18716	1.94870	17.18091	0.54108	0.11337	0.20366	0.54108	0.11299	0.20304				
102	55	1.96852	18.67912	0.53722	0.10534	0.19060	0.53722	0.10493	0.18992	1.94870	16.93076	0.54108	0.11504	0.20634	0.54108	0.11460	0.20564				
102	56	1.96852	18.35803	0.53722	0.10717	0.19360	0.53722	0.10671	0.19284	1.94870	16.67407	0.54108	0.11680	0.20918	0.54108	0.11631	0.20838				
102	57	1.96852	18.02853	0.53722	0.10913	0.19678	0.53722	0.10860	0.19593	1.94870	16.40902	0.54108	0.11868	0.21218	0.54108	0.11813	0.21130				
102	58	1.96852	17.69065	0.53722	0.11120	0.20015	0.53722	0.11062	0.19920	1.94870	16.13552	0.54108	0.12069	0.21538	0.54108	0.12006	0.21439				
102	59	1.96852	17.34441	0.53722	0.11341	0.20372	0.53722	0.11276	0.20266	1.94870	15.85354	0.54108	0.12282	0.21877	0.54108	0.12213	0.21767				
102	60	1.96852	16.98967	0.53722	0.11577	0.20752	0.53722	0.11504	0.20633	1.94870	15.56284	0.54108	0.12510	0.22239	0.54108	0.12433	0.22116				
102	61	1.96852	16.62627	0.53722	0.11829	0.21155	0.53722	0.11747	0.21024	1.94870	15.26320	0.54108	0.12755	0.22624	0.54108	0.12668	0.22487				
102	62	1.96852	16.25423	0.53722	0.12098	0.21585	0.53722	0.12006	0.21439	1.94870	14.95454	0.54108	0.13016	0.23034	0.54108	0.12920	0.22883				
102	63	1.96852	15.87341	0.53722	0.12387	0.22043	0.53722	0.12284	0.21880	1.94870	14.63664	0.54108	0.13297	0.23473	0.54108	0.13189	0.23305				
102	64	1.96852	15.48353	0.53722	0.12697	0.22533	0.53722	0.12581	0.22351	1.94870	14.30913	0.54108	0.13600	0.23943	0.54108	0.13479	0.23755				
102	65	1.96852	15.08480	0.53722	0.13030	0.23056	0.53722	0.12900	0.22852	1.94870	13.97213	0.54108	0.13925	0.24446	0.54108	0.13789	0.24236				
102	66	1.96852	14.67724	0.53722	0.13389	0.23617	0.53722	0.13242	0.23387	1.94870	13.62552	0.54108	0.14276	0.24986	0.54108	0.14123	0.24750				
102	67	1.96852	14.26104	0.53722	0.13777	0.24217	0.53722	0.13610	0.23958	1.94870	13.26940	0.54108	0.14656	0.25565	0.54108	0.14482	0.25300				

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
102	68	1.96852	13.83657	0.53722	0.14195	0.24862	0.53722	0.14004	0.24568	1.94870	12.90401	0.54108	0.15066	0.26187	0.54108	0.14868	0.25888
102	69	1.96852	13.40435	0.53722	0.14648	0.25553	0.53722	0.14429	0.25220	1.94870	12.52973	0.54108	0.15511	0.26856	0.54108	0.15285	0.26516
102	70	1.96852	12.96501	0.53722	0.15138	0.26296	0.53722	0.14886	0.25915	1.94870	12.14706	0.54108	0.15993	0.27576	0.54108	0.15733	0.27188
102	71	1.96852	12.51927	0.53722	0.15670	0.27094	0.53722	0.15378	0.26657	1.94870	11.75658	0.54108	0.16516	0.28350	0.54108	0.16216	0.27906
102	72	1.96852	12.06792	0.53722	0.16246	0.27952	0.53722	0.15908	0.27449	1.94870	11.35893	0.54108	0.17084	0.29182	0.54108	0.16736	0.28674
102	73	1.96852	11.61185	0.53722	0.16873	0.28874	0.53722	0.16479	0.28295	1.94870	10.95491	0.54108	0.17701	0.30079	0.54108	0.17298	0.29494
102	74	1.96852	11.15217	0.53722	0.17554	0.29865	0.53722	0.17094	0.29197	1.94870	10.54549	0.54108	0.18373	0.31043	0.54108	0.17903	0.30369
102	75	1.96852	10.68986	0.53722	0.18294	0.30930	0.53722	0.17757	0.30159	1.94870	10.13154	0.54108	0.19104	0.32080	0.54108	0.18556	0.31303
102	76	1.96852	10.22626	0.53722	0.19101	0.32075	0.53722	0.18472	0.31183	1.94870	9.71428	0.54108	0.19901	0.33195	0.54108	0.19260	0.32299
102	77	1.96852	9.76277	0.53722	0.19979	0.33305	0.53722	0.19241	0.32273	1.94870	9.29502	0.54108	0.20768	0.34394	0.54108	0.20019	0.33359
102	78	1.96852	9.30064	0.53722	0.20936	0.34624	0.53722	0.20071	0.33432	1.94870	8.87492	0.54108	0.21714	0.35680	0.54108	0.20836	0.34487
102	79	1.96852	8.84103	0.53722	0.21980	0.36038	0.53722	0.20964	0.34661	1.94870	8.45509	0.54108	0.22745	0.37061	0.54108	0.21717	0.35685
102	80	1.96852	8.38551	0.53722	0.23117	0.37553	0.53722	0.21924	0.35964	1.94870	8.03703	0.54108	0.23869	0.38539	0.54108	0.22665	0.36954
102	81	1.96852	7.93532	0.53722	0.24356	0.39172	0.53722	0.22956	0.37341	1.94870	7.62196	0.54108	0.25094	0.40120	0.54108	0.23683	0.38297
102	82	1.96852	7.49211	0.53722	0.25706	0.40899	0.53722	0.24063	0.38792	1.94870	7.21152	0.54108	0.26428	0.41808	0.54108	0.24776	0.39712
102	83	1.96852	7.05756	0.53722	0.27173	0.42734	0.53722	0.25247	0.40315	1.94870	6.80735	0.54108	0.27879	0.43602	0.54108	0.25944	0.41200
102	84	1.96852	6.63342	0.53722	0.28765	0.44678	0.53722	0.26509	0.41909	1.94870	6.41122	0.54108	0.29451	0.45502	0.54108	0.27191	0.42756
102	85	1.96852	6.22156	0.53722	0.30485	0.46726	0.53722	0.27851	0.43568	1.94870	6.02503	0.54108	0.31151	0.47504	0.54108	0.28516	0.44377
102	86	1.96852	5.82374	0.53722	0.32337	0.48870	0.53722	0.29271	0.45287	1.94870	5.65055	0.54108	0.32980	0.49601	0.54108	0.29918	0.46057
102	87	1.96852	5.44155	0.53722	0.34319	0.51101	0.53722	0.30767	0.47056	1.94870	5.28949	0.54108	0.34938	0.51784	0.54108	0.31395	0.47787
102	88	1.96852	5.07613	0.53722	0.36432	0.53407	0.53722	0.32335	0.48869	1.94870	4.94306	0.54108	0.37024	0.54040	0.54108	0.32944	0.49560
102	89	1.96852	4.72862	0.53722	0.38668	0.55771	0.53722	0.33970	0.50713	1.94870	4.61250	0.54108	0.39231	0.56354	0.54108	0.34558	0.51365
102	90	1.96852	4.40007	0.53722	0.41016	0.58172	0.53722	0.35663	0.52576	1.94870	4.29901	0.54108	0.41549	0.58706	0.54108	0.36231	0.53190
102	91	1.96852	4.09149	0.53722	0.43460	0.60588	0.53722	0.37407	0.54447	1.94870	4.00370	0.54108	0.43960	0.61072	0.54108	0.37952	0.55022
102	92	1.96852	3.80354	0.53722	0.45978	0.62993	0.53722	0.39191	0.56313	1.94870	3.72738	0.54108	0.46444	0.63429	0.54108	0.39715	0.56851
102	93	1.96852	3.53621	0.53722	0.48550	0.65366	0.53722	0.41008	0.58165	1.94870	3.47020	0.54108	0.48981	0.65755	0.54108	0.41509	0.58666
102	94	1.96852	3.28870	0.53722	0.51158	0.67688	0.53722	0.42852	0.59995	1.94870	3.23152	0.54108	0.51553	0.68033	0.54108	0.43330	0.60462
102	95	1.96852	3.05955	0.53722	0.53784	0.69948	0.53722	0.44714	0.61796	1.94870	3.01004	0.54108	0.54144	0.70251	0.54108	0.45169	0.62230
102	96	1.96852	2.84646	0.53722	0.56420	0.72139	0.53722	0.46581	0.63557	1.94870	2.80360	0.54108	0.56744	0.72403	0.54108	0.47014	0.63959
102	97	1.96852	2.65226	0.53722	0.59004	0.74217	0.53722	0.48432	0.65258	1.94870	2.61510	0.54108	0.59294	0.74446	0.54108	0.48843	0.65630
102	98	1.96852	2.47567	0.53722	0.61517	0.76174	0.53722	0.50257	0.66895	1.94870	2.44340	0.54108	0.61773	0.76370	0.54108	0.50647	0.67239
102	99	1.96852	2.31535	0.53722	0.63940	0.78004	0.53722	0.52052	0.68466	1.94870	2.28724	0.54108	0.64166	0.78172	0.54108	0.52420	0.68784
102	100	1.96852	2.16976	0.53722	0.66263	0.79709	0.53722	0.53809	0.69969	1.94870	2.14523	0.54108	0.66460	0.79851	0.54108	0.54158	0.70263
102	101	1.96852	2.03734	0.53722	0.68479	0.81291	0.53722	0.55525	0.71403	1.94870	2.01587	0.54108	0.68650	0.81411	0.54108	0.55854	0.71675
102	102	1.96852	1.91714	0.53722	0.70576	0.82750	0.53722	0.57192	0.72767	1.94870	1.89830	0.54108	0.70722	0.82851	0.54108	0.57503	0.73018
102	103	1.96852	1.80800	0.53722	0.72550	0.84091	0.53722	0.58804	0.74059	1.94870	1.79140	0.54108	0.72674	0.84175	0.54108	0.59098	0.74291
102	104	1.96852	1.70943	0.53722	0.74388	0.85313	0.53722	0.60351	0.75273	1.94870	1.69474	0.54108	0.74493	0.85382	0.54108	0.60629	0.75489
102	105	1.96852	1.62048	0.53722	0.76088	0.86421	0.53722	0.61824	0.76409	1.94870	1.60741	0.54108	0.76177	0.86478	0.54108	0.62087	0.76610
102	106	1.96852	1.54080	0.53722	0.77641	0.87413	0.53722	0.63207	0.77457	1.94870	1.52911	0.54108	0.77716	0.87461	0.54108	0.63458	0.77644
102	107	1.96852	1.47009	0.53722	0.79035	0.88290	0.53722	0.64480	0.78404	1.94870	1.45954	0.54108	0.79099	0.88330	0.54108	0.64719	0.78581
102	108	1.96852	1.40861	0.53722	0.80248	0.89042	0.53722	0.65602	0.79229	1.94870	1.39898	0.54108	0.80303	0.89076	0.54108	0.65834	0.79397

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
104	12	1.74175	26.06892	0.51721	0.06681	0.12526	0.51721	0.06680	0.12524	1.72654	22.20360	0.52007	0.07776	0.14430	0.52007	0.07775	0.14427
104	13	1.74175	25.99388	0.51721	0.06701	0.12559	0.51721	0.06699	0.12557	1.72654	22.15929	0.52007	0.07791	0.14456	0.52007	0.07790	0.14454
104	14	1.74175	25.91617	0.51721	0.06721	0.12595	0.51721	0.06719	0.12592	1.72654	22.11310	0.52007	0.07808	0.14484	0.52007	0.07806	0.14481
104	15	1.74175	25.83587	0.51721	0.06741	0.12631	0.51721	0.06739	0.12628	1.72654	22.06509	0.52007	0.07825	0.14514	0.52007	0.07822	0.14510
104	16	1.74175	25.75319	0.51721	0.06763	0.12669	0.51721	0.06761	0.12665	1.72654	22.01544	0.52007	0.07842	0.14544	0.52007	0.07839	0.14539
104	17	1.74175	25.66857	0.51721	0.06785	0.12708	0.51721	0.06783	0.12703	1.72654	21.96453	0.52007	0.07860	0.14575	0.52007	0.07857	0.14570
104	18	1.74175	25.58235	0.51721	0.06808	0.12748	0.51721	0.06805	0.12743	1.72654	21.91267	0.52007	0.07879	0.14607	0.52007	0.07876	0.14601
104	19	1.74175	25.49361	0.51721	0.06832	0.12790	0.51721	0.06829	0.12785	1.72654	21.85907	0.52007	0.07898	0.14640	0.52007	0.07895	0.14635
104	20	1.74175	25.40164	0.51721	0.06857	0.12833	0.51721	0.06854	0.12829	1.72654	21.80312	0.52007	0.07919	0.14675	0.52007	0.07916	0.14670
104	21	1.74175	25.30562	0.51721	0.06883	0.12879	0.51721	0.06880	0.12875	1.72654	21.74411	0.52007	0.07940	0.14712	0.52007	0.07937	0.14707
104	22	1.74175	25.20517	0.51721	0.06910	0.12927	0.51721	0.06908	0.12923	1.72654	21.68171	0.52007	0.07963	0.14751	0.52007	0.07961	0.14747
104	23	1.74175	25.09967	0.51721	0.06939	0.12978	0.51721	0.06937	0.12974	1.72654	21.61537	0.52007	0.07987	0.14793	0.52007	0.07985	0.14790
104	24	1.74175	24.98936	0.51721	0.06970	0.13031	0.51721	0.06968	0.13028	1.72654	21.54528	0.52007	0.08013	0.14838	0.52007	0.08011	0.14834
104	25	1.74175	24.87419	0.51721	0.07002	0.13088	0.51721	0.07000	0.13085	1.72654	21.47137	0.52007	0.08041	0.14885	0.52007	0.08039	0.14881
104	26	1.74175	24.75420	0.51721	0.07036	0.13147	0.51721	0.07034	0.13143	1.72654	21.39367	0.52007	0.08070	0.14935	0.52007	0.08068	0.14931
104	27	1.74175	24.62994	0.51721	0.07071	0.13209	0.51721	0.07069	0.13205	1.72654	21.31262	0.52007	0.08101	0.14988	0.52007	0.08098	0.14983
104	28	1.74175	24.50119	0.51721	0.07109	0.13274	0.51721	0.07106	0.13269	1.72654	21.22804	0.52007	0.08133	0.15043	0.52007	0.08130	0.15038
104	29	1.74175	24.36788	0.51721	0.07148	0.13341	0.51721	0.07145	0.13337	1.72654	21.13984	0.52007	0.08167	0.15101	0.52007	0.08164	0.15095
104	30	1.74175	24.23009	0.51721	0.07188	0.13412	0.51721	0.07185	0.13407	1.72654	21.04806	0.52007	0.08203	0.15161	0.52007	0.08199	0.15156
104	31	1.74175	24.08752	0.51721	0.07231	0.13486	0.51721	0.07227	0.13480	1.72654	20.95246	0.52007	0.08240	0.15225	0.52007	0.08236	0.15219
104	32	1.74175	23.94006	0.51721	0.07275	0.13564	0.51721	0.07272	0.13557	1.72654	20.85289	0.52007	0.08279	0.15292	0.52007	0.08275	0.15286
104	33	1.74175	23.78740	0.51721	0.07322	0.13645	0.51721	0.07318	0.13638	1.72654	20.74907	0.52007	0.08321	0.15363	0.52007	0.08316	0.15356
104	34	1.74175	23.62942	0.51721	0.07371	0.13730	0.51721	0.07367	0.13722	1.72654	20.64088	0.52007	0.08364	0.15437	0.52007	0.08360	0.15430
104	35	1.74175	23.46579	0.51721	0.07422	0.13819	0.51721	0.07418	0.13811	1.72654	20.52800	0.52007	0.08410	0.15516	0.52007	0.08405	0.15507
104	36	1.74175	23.29632	0.51721	0.07476	0.13912	0.51721	0.07471	0.13904	1.72654	20.41023	0.52007	0.08459	0.15598	0.52007	0.08454	0.15589
104	37	1.74175	23.12089	0.51721	0.07533	0.14010	0.51721	0.07528	0.14002	1.72654	20.28745	0.52007	0.08510	0.15685	0.52007	0.08504	0.15676
104	38	1.74175	22.93911	0.51721	0.07592	0.14113	0.51721	0.07587	0.14104	1.72654	20.15926	0.52007	0.08564	0.15777	0.52007	0.08558	0.15767
104	39	1.74175	22.75087	0.51721	0.07655	0.14222	0.51721	0.07650	0.14212	1.72654	20.02555	0.52007	0.08621	0.15874	0.52007	0.08615	0.15864
104	40	1.74175	22.55572	0.51721	0.07721	0.14336	0.51721	0.07716	0.14326	1.72654	19.88587	0.52007	0.08682	0.15976	0.52007	0.08675	0.15965
104	41	1.74175	22.35340	0.51721	0.07791	0.14456	0.51721	0.07785	0.14446	1.72654	19.73995	0.52007	0.08746	0.16085	0.52007	0.08739	0.16073
104	42	1.74175	22.14385	0.51721	0.07865	0.14583	0.51721	0.07858	0.14572	1.72654	19.58769	0.52007	0.08814	0.16200	0.52007	0.08807	0.16187
104	43	1.74175	21.92669	0.51721	0.07943	0.14717	0.51721	0.07936	0.14705	1.72654	19.42870	0.52007	0.08886	0.16321	0.52007	0.08878	0.16308
104	44	1.74175	21.70178	0.51721	0.08025	0.14858	0.51721	0.08018	0.14845	1.72654	19.26280	0.52007	0.08962	0.16450	0.52007	0.08954	0.16436
104	45	1.74175	21.46876	0.51721	0.08112	0.15007	0.51721	0.08104	0.14993	1.72654	19.08963	0.52007	0.09043	0.16587	0.52007	0.09034	0.16572
104	46	1.74175	21.22763	0.51721	0.08204	0.15164	0.51721	0.08195	0.15149	1.72654	18.90911	0.52007	0.09130	0.16732	0.52007	0.09120	0.16715
104	47	1.74175	20.97813	0.51721	0.08302	0.15331	0.51721	0.08292	0.15314	1.72654	18.72094	0.52007	0.09221	0.16886	0.52007	0.09210	0.16867
104	48	1.74175	20.72003	0.51721	0.08405	0.15507	0.51721	0.08394	0.15488	1.72654	18.52488	0.52007	0.09319	0.17049	0.52007	0.09307	0.17029
104	49	1.74175	20.45326	0.51721	0.08515	0.15693	0.51721	0.08502	0.15671	1.72654	18.32076	0.52007	0.09423	0.17222	0.52007	0.09409	0.17199
104	50	1.74175	20.17742	0.51721	0.08631	0.15890	0.51721	0.08616	0.15865	1.72654	18.10816	0.52007	0.09533	0.17406	0.52007	0.09517	0.17380
104	51	1.74175	19.89339	0.51721	0.08754	0.16098	0.51721	0.08736	0.16069	1.72654	17.88781	0.52007	0.09650	0.17602	0.52007	0.09631	0.17570
104	52	1.74175	19.60122	0.51721	0.08884	0.16318	0.51721	0.08863	0.16283	1.72654	17.65967	0.52007	0.09774	0.17808	0.52007	0.09752	0.17771

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

PRE-REFORMED BENEFIT TIERS										POST-REFORMED BENEFIT TIERS							
<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
104	53	1.74175	19.30125	0.51721	0.09022	0.16550	0.51721	0.08998	0.16510	1.72654	17.42398	0.52007	0.09906	0.18027	0.52007	0.09880	0.17984
104	54	1.74175	18.99375	0.51721	0.09167	0.16795	0.51721	0.09139	0.16748	1.72654	17.18091	0.52007	0.10046	0.18258	0.52007	0.10016	0.18208
104	55	1.74175	18.67912	0.51721	0.09321	0.17053	0.51721	0.09289	0.16999	1.72654	16.93076	0.52007	0.10194	0.18501	0.52007	0.10159	0.18444
104	56	1.74175	18.35803	0.51721	0.09484	0.17325	0.51721	0.09447	0.17264	1.72654	16.67407	0.52007	0.10350	0.18759	0.52007	0.10311	0.18695
104	57	1.74175	18.02853	0.51721	0.09657	0.17613	0.51721	0.09616	0.17544	1.72654	16.40902	0.52007	0.10517	0.19032	0.52007	0.10473	0.18960
104	58	1.74175	17.69065	0.51721	0.09841	0.17918	0.51721	0.09795	0.17842	1.72654	16.13552	0.52007	0.10694	0.19322	0.52007	0.10645	0.19242
104	59	1.74175	17.34441	0.51721	0.10036	0.18242	0.51721	0.09985	0.18157	1.72654	15.85354	0.52007	0.10884	0.19631	0.52007	0.10829	0.19542
104	60	1.74175	16.98967	0.51721	0.10245	0.18586	0.51721	0.10187	0.18491	1.72654	15.56284	0.52007	0.11086	0.19960	0.52007	0.11025	0.19861
104	61	1.74175	16.62627	0.51721	0.10468	0.18953	0.51721	0.10404	0.18846	1.72654	15.26320	0.52007	0.11303	0.20310	0.52007	0.11235	0.20200
104	62	1.74175	16.25423	0.51721	0.10707	0.19343	0.51721	0.10635	0.19225	1.72654	14.95454	0.52007	0.11535	0.20685	0.52007	0.11459	0.20562
104	63	1.74175	15.87341	0.51721	0.10963	0.19759	0.51721	0.10882	0.19628	1.72654	14.63664	0.52007	0.11785	0.21085	0.52007	0.11699	0.20948
104	64	1.74175	15.48353	0.51721	0.11238	0.20205	0.51721	0.11146	0.20057	1.72654	14.30913	0.52007	0.12053	0.21513	0.52007	0.11957	0.21360
104	65	1.74175	15.08480	0.51721	0.11533	0.20681	0.51721	0.11430	0.20516	1.72654	13.97213	0.52007	0.12342	0.21972	0.52007	0.12234	0.21802
104	66	1.74175	14.67724	0.51721	0.11851	0.21191	0.51721	0.11735	0.21006	1.72654	13.62552	0.52007	0.12654	0.22465	0.52007	0.12533	0.22274
104	67	1.74175	14.26104	0.51721	0.12195	0.21739	0.51721	0.12063	0.21529	1.72654	13.26940	0.52007	0.12991	0.22995	0.52007	0.12854	0.22779
104	68	1.74175	13.83657	0.51721	0.12566	0.22327	0.51721	0.12416	0.22089	1.72654	12.90401	0.52007	0.13356	0.23564	0.52007	0.13199	0.23320
104	69	1.74175	13.40435	0.51721	0.12968	0.22959	0.51721	0.12796	0.22688	1.72654	12.52973	0.52007	0.13751	0.24177	0.52007	0.13572	0.23900
104	70	1.74175	12.96501	0.51721	0.13403	0.23639	0.51721	0.13205	0.23329	1.72654	12.14706	0.52007	0.14180	0.24837	0.52007	0.13974	0.24521
104	71	1.74175	12.51927	0.51721	0.13875	0.24370	0.51721	0.13645	0.24014	1.72654	11.75658	0.52007	0.14645	0.25548	0.52007	0.14407	0.25186
104	72	1.74175	12.06792	0.51721	0.14388	0.25156	0.51721	0.14121	0.24747	1.72654	11.35893	0.52007	0.15151	0.26315	0.52007	0.14875	0.25898
104	73	1.74175	11.61185	0.51721	0.14945	0.26004	0.51721	0.14634	0.25531	1.72654	10.95491	0.52007	0.15701	0.27140	0.52007	0.15380	0.26660
104	74	1.74175	11.15217	0.51721	0.15551	0.26916	0.51721	0.15187	0.26369	1.72654	10.54549	0.52007	0.16300	0.28030	0.52007	0.15926	0.27476
104	75	1.74175	10.68986	0.51721	0.16211	0.27899	0.51721	0.15785	0.27266	1.72654	10.13154	0.52007	0.16952	0.28990	0.52007	0.16516	0.28349
104	76	1.74175	10.22626	0.51721	0.16930	0.28958	0.51721	0.16430	0.28223	1.72654	9.71428	0.52007	0.17664	0.30024	0.52007	0.17152	0.29282
104	77	1.74175	9.76277	0.51721	0.17714	0.30097	0.51721	0.17127	0.29245	1.72654	9.29502	0.52007	0.18439	0.31137	0.52007	0.17840	0.30279
104	78	1.74175	9.30064	0.51721	0.18570	0.31323	0.51721	0.17879	0.30334	1.72654	8.87492	0.52007	0.19286	0.32336	0.52007	0.18583	0.31342
104	79	1.74175	8.84103	0.51721	0.19504	0.32641	0.51721	0.18691	0.31495	1.72654	8.45509	0.52007	0.20211	0.33626	0.52007	0.19386	0.32476
104	80	1.74175	8.38551	0.51721	0.20524	0.34058	0.51721	0.19567	0.32730	1.72654	8.03703	0.52007	0.21221	0.35012	0.52007	0.20252	0.33682
104	81	1.74175	7.93532	0.51721	0.21638	0.35578	0.51721	0.20511	0.34040	1.72654	7.62196	0.52007	0.22325	0.36501	0.52007	0.21185	0.34963
104	82	1.74175	7.49211	0.51721	0.22854	0.37206	0.51721	0.21527	0.35427	1.72654	7.21152	0.52007	0.23529	0.38095	0.52007	0.22189	0.36319
104	83	1.74175	7.05756	0.51721	0.24181	0.38944	0.51721	0.22617	0.36891	1.72654	6.80735	0.52007	0.24842	0.39798	0.52007	0.23268	0.37751
104	84	1.74175	6.63342	0.51721	0.25624	0.40794	0.51721	0.23785	0.38429	1.72654	6.41122	0.52007	0.26271	0.41611	0.52007	0.24422	0.39257
104	85	1.74175	6.22156	0.51721	0.27189	0.42754	0.51721	0.25031	0.40040	1.72654	6.02503	0.52007	0.27821	0.43532	0.52007	0.25655	0.40834
104	86	1.74175	5.82374	0.51721	0.28882	0.44819	0.51721	0.26356	0.41717	1.72654	5.65055	0.52007	0.29497	0.45556	0.52007	0.26966	0.42477
104	87	1.74175	5.44155	0.51721	0.30704	0.46982	0.51721	0.27759	0.43455	1.72654	5.28949	0.52007	0.31299	0.47676	0.52007	0.28353	0.44180
104	88	1.74175	5.07613	0.51721	0.32655	0.49233	0.51721	0.29237	0.45245	1.72654	4.94306	0.52007	0.33229	0.49883	0.52007	0.29815	0.45934
104	89	1.74175	4.72862	0.51721	0.34733	0.51559	0.51721	0.30786	0.47078	1.72654	4.61250	0.52007	0.35285	0.52164	0.52007	0.31347	0.47731
104	90	1.74175	4.40007	0.51721	0.36931	0.53941	0.51721	0.32399	0.48941	1.72654	4.29901	0.52007	0.37457	0.54500	0.52007	0.32943	0.49559
104	91	1.74175	4.09149	0.51721	0.39235	0.56358	0.51721	0.34069	0.50823	1.72654	4.00370	0.52007	0.39735	0.56872	0.52007	0.34594	0.51405
104	92	1.74175	3.80354	0.51721	0.41628	0.58785	0.51721	0.35788	0.52711	1.72654	3.72738	0.52007	0.42100	0.59254	0.52007	0.36294	0.53259
104	93	1.74175	3.53621	0.51721	0.44093	0.61201	0.51721	0.37548	0.54596	1.72654	3.47020	0.52007	0.44535	0.61625	0.52007	0.38035	0.55109

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PRE-REFORMED BENEFIT TIERS

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<u>Retiree</u>		<u>Beneficiary</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
104	94	1.74175	3.28870	0.51721	0.46614	0.63587	0.51721	0.39344	0.56470	1.72654	3.23152	0.52007	0.47025	0.63968	0.52007	0.39811	0.56950		
104	95	1.74175	3.05955	0.51721	0.49178	0.65932	0.51721	0.41169	0.58326	1.72654	3.01004	0.52007	0.49558	0.66272	0.52007	0.41616	0.58773		
104	96	1.74175	2.84646	0.51721	0.51777	0.68228	0.51721	0.43011	0.60151	1.72654	2.80360	0.52007	0.52125	0.68529	0.52007	0.43438	0.60567		
104	97	1.74175	2.65226	0.51721	0.54352	0.70426	0.51721	0.44847	0.61923	1.72654	2.61510	0.52007	0.54669	0.70691	0.52007	0.45254	0.62310		
104	98	1.74175	2.47567	0.51721	0.56881	0.72515	0.51721	0.46668	0.63638	1.72654	2.44340	0.52007	0.57167	0.72747	0.52007	0.47056	0.63997		
104	99	1.74175	2.31535	0.51721	0.59346	0.74487	0.51721	0.48467	0.65290	1.72654	2.28724	0.52007	0.59602	0.74688	0.52007	0.48836	0.65624		
104	100	1.74175	2.16976	0.51721	0.61733	0.76339	0.51721	0.50239	0.66879	1.72654	2.14523	0.52007	0.61961	0.76513	0.52007	0.50590	0.67189		
104	101	1.74175	2.03734	0.51721	0.64033	0.78073	0.51721	0.51979	0.68403	1.72654	2.01587	0.52007	0.64234	0.78223	0.52007	0.52312	0.68690		
104	102	1.74175	1.91714	0.51721	0.66231	0.79685	0.51721	0.53677	0.69857	1.72654	1.89830	0.52007	0.66408	0.79814	0.52007	0.53993	0.70124		
104	103	1.74175	1.80800	0.51721	0.68320	0.81179	0.51721	0.55329	0.71241	1.72654	1.79140	0.52007	0.68475	0.81288	0.52007	0.55628	0.71489		
104	104	1.74175	1.70943	0.51721	0.70284	0.82549	0.51721	0.56921	0.72547	1.72654	1.69474	0.52007	0.70419	0.82642	0.52007	0.57205	0.72778		
104	105	1.74175	1.62048	0.51721	0.72118	0.83801	0.51721	0.58446	0.73774	1.72654	1.60741	0.52007	0.72236	0.83880	0.52007	0.58716	0.73989		
104	106	1.74175	1.54080	0.51721	0.73808	0.84930	0.51721	0.59885	0.74910	1.72654	1.52911	0.52007	0.73910	0.84998	0.52007	0.60143	0.75111		
104	107	1.74175	1.47009	0.51721	0.75338	0.85935	0.51721	0.61216	0.75943	1.72654	1.45954	0.52007	0.75428	0.85993	0.52007	0.61464	0.76133		
104	108	1.74175	1.40861	0.51721	0.76682	0.86802	0.51721	0.62399	0.76846	1.72654	1.39898	0.52007	0.76762	0.86853	0.52007	0.62638	0.77028		
104	109	1.74175	1.35764	0.51721	0.77788	0.87506	0.51721	0.63367	0.77576	1.72654	1.34871	0.52007	0.77861	0.87553	0.52007	0.63600	0.77751		
104	110	1.74175	1.32125	0.51721	0.78564	0.87996	0.51721	0.64032	0.78073	1.72654	1.31279	0.52007	0.78633	0.88038	0.52007	0.64262	0.78243		
105	1	1.64471	26.72925	0.50850	0.06153	0.11593	0.50850	0.06152	0.11591	1.63130	22.57586	0.51142	0.07226	0.13478	0.51142	0.07224	0.13475		
105	2	1.64471	26.68154	0.50850	0.06164	0.11612	0.50850	0.06163	0.11611	1.63130	22.55058	0.51142	0.07234	0.13492	0.51142	0.07233	0.13490		
105	3	1.64471	26.63112	0.50850	0.06176	0.11633	0.50850	0.06175	0.11632	1.63130	22.52338	0.51142	0.07243	0.13507	0.51142	0.07242	0.13505		
105	4	1.64471	26.57806	0.50850	0.06188	0.11655	0.50850	0.06187	0.11654	1.63130	22.49433	0.51142	0.07252	0.13523	0.51142	0.07251	0.13522		
105	5	1.64471	26.52283	0.50850	0.06201	0.11678	0.50850	0.06200	0.11677	1.63130	22.46379	0.51142	0.07262	0.13540	0.51142	0.07261	0.13539		
105	6	1.64471	26.46539	0.50850	0.06215	0.11702	0.50850	0.06214	0.11700	1.63130	22.43176	0.51142	0.07272	0.13558	0.51142	0.07271	0.13557		
105	7	1.64471	26.40551	0.50850	0.06229	0.11727	0.50850	0.06228	0.11725	1.63130	22.39806	0.51142	0.07283	0.13577	0.51142	0.07282	0.13576		
105	8	1.64471	26.34335	0.50850	0.06243	0.11753	0.50850	0.06243	0.11751	1.63130	22.36278	0.51142	0.07295	0.13597	0.51142	0.07294	0.13596		
105	9	1.64471	26.27867	0.50850	0.06259	0.11780	0.50850	0.06258	0.11779	1.63130	22.32575	0.51142	0.07307	0.13618	0.51142	0.07306	0.13617		
105	10	1.64471	26.21121	0.50850	0.06275	0.11809	0.50850	0.06274	0.11807	1.63130	22.28674	0.51142	0.07320	0.13641	0.51142	0.07319	0.13639		
105	11	1.64471	26.14141	0.50850	0.06292	0.11838	0.50850	0.06291	0.11837	1.63130	22.24611	0.51142	0.07333	0.13664	0.51142	0.07332	0.13662		
105	12	1.64471	26.06892	0.50850	0.06309	0.11869	0.50850	0.06308	0.11867	1.63130	22.20360	0.51142	0.07347	0.13688	0.51142	0.07346	0.13686		
105	13	1.64471	25.99388	0.50850	0.06327	0.11901	0.50850	0.06326	0.11899	1.63130	22.15929	0.51142	0.07362	0.13714	0.51142	0.07360	0.13711		
105	14	1.64471	25.91617	0.50850	0.06346	0.11935	0.50850	0.06345	0.11932	1.63130	22.11310	0.51142	0.07377	0.13740	0.51142	0.07375	0.13737		
105	15	1.64471	25.83587	0.50850	0.06366	0.11970	0.50850	0.06364	0.11967	1.63130	22.06509	0.51142	0.07393	0.13768	0.51142	0.07391	0.13765		
105	16	1.64471	25.75319	0.50850	0.06386	0.12006	0.50850	0.06384	0.12002	1.63130	22.01544	0.51142	0.07410	0.13797	0.51142	0.07407	0.13793		
105	17	1.64471	25.66857	0.50850	0.06407	0.12043	0.50850	0.06405	0.12039	1.63130	21.96453	0.51142	0.07427	0.13827	0.51142	0.07424	0.13822		
105	18	1.64471	25.58235	0.50850	0.06429	0.12081	0.50850	0.06426	0.12076	1.63130	21.91267	0.51142	0.07444	0.13857	0.51142	0.07441	0.13852		
105	19	1.64471	25.49361	0.50850	0.06451	0.12121	0.50850	0.06449	0.12116	1.63130	21.85907	0.51142	0.07463	0.13889	0.51142	0.07460	0.13884		
105	20	1.64471	25.40164	0.50850	0.06475	0.12162	0.50850	0.06472	0.12158	1.63130	21.80312	0.51142	0.07482	0.13922	0.51142	0.07479	0.13917		
105	21	1.64471	25.30562	0.50850	0.06499	0.12205	0.50850	0.06497	0.12201	1.63130	21.74411	0.51142	0.07502	0.13957	0.51142	0.07500	0.13953		
105	22	1.64471	25.20517	0.50850	0.06525	0.12251	0.50850	0.06523	0.12248	1.63130	21.68171	0.51142	0.07524	0.13994	0.51142	0.07522	0.13991		
105	23	1.64471	25.09967	0.50850	0.06553	0.12299	0.50850	0.06551	0.12296	1.63130	21.61537	0.51142	0.07547	0.14034	0.51142	0.07545	0.14031		
105	24	1.64471	24.98936	0.50850	0.06582	0.12350	0.50850	0.06580	0.12347	1.63130	21.54528	0.51142	0.07571	0.14077	0.51142	0.07570	0.14074		

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<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
105	25	1.64471	24.87419	0.50850	0.06612	0.12404	0.50850	0.06610	0.12401	1.63130	21.47137	0.51142	0.07597	0.14122	0.51142	0.07596	0.14119
105	26	1.64471	24.75420	0.50850	0.06644	0.12460	0.50850	0.06642	0.12457	1.63130	21.39367	0.51142	0.07625	0.14170	0.51142	0.07623	0.14166
105	27	1.64471	24.62994	0.50850	0.06678	0.12519	0.50850	0.06676	0.12516	1.63130	21.31262	0.51142	0.07654	0.14220	0.51142	0.07652	0.14216
105	28	1.64471	24.50119	0.50850	0.06713	0.12581	0.50850	0.06710	0.12577	1.63130	21.22804	0.51142	0.07684	0.14272	0.51142	0.07682	0.14268
105	29	1.64471	24.36788	0.50850	0.06749	0.12645	0.50850	0.06747	0.12641	1.63130	21.13984	0.51142	0.07716	0.14327	0.51142	0.07714	0.14323
105	30	1.64471	24.23009	0.50850	0.06788	0.12712	0.50850	0.06785	0.12708	1.63130	21.04806	0.51142	0.07750	0.14385	0.51142	0.07747	0.14380
105	31	1.64471	24.08752	0.50850	0.06828	0.12783	0.50850	0.06825	0.12778	1.63130	20.95246	0.51142	0.07785	0.14446	0.51142	0.07782	0.14441
105	32	1.64471	23.94006	0.50850	0.06870	0.12857	0.50850	0.06867	0.12851	1.63130	20.85289	0.51142	0.07823	0.14510	0.51142	0.07819	0.14504
105	33	1.64471	23.78740	0.50850	0.06914	0.12934	0.50850	0.06911	0.12928	1.63130	20.74907	0.51142	0.07862	0.14577	0.51142	0.07858	0.14571
105	34	1.64471	23.62942	0.50850	0.06960	0.13014	0.50850	0.06956	0.13008	1.63130	20.64088	0.51142	0.07903	0.14648	0.51142	0.07899	0.14641
105	35	1.64471	23.46579	0.50850	0.07009	0.13099	0.50850	0.07005	0.13092	1.63130	20.52800	0.51142	0.07946	0.14723	0.51142	0.07942	0.14715
105	36	1.64471	23.29632	0.50850	0.07060	0.13188	0.50850	0.07055	0.13181	1.63130	20.41023	0.51142	0.07992	0.14801	0.51142	0.07988	0.14793
105	37	1.64471	23.12089	0.50850	0.07113	0.13282	0.50850	0.07109	0.13274	1.63130	20.28745	0.51142	0.08041	0.14884	0.51142	0.08036	0.14876
105	38	1.64471	22.93911	0.50850	0.07170	0.13380	0.50850	0.07165	0.13372	1.63130	20.15926	0.51142	0.08092	0.14972	0.51142	0.08086	0.14963
105	39	1.64471	22.75087	0.50850	0.07229	0.13483	0.50850	0.07224	0.13474	1.63130	20.02555	0.51142	0.08146	0.15064	0.51142	0.08140	0.15055
105	40	1.64471	22.55572	0.50850	0.07291	0.13592	0.50850	0.07286	0.13583	1.63130	19.88587	0.51142	0.08203	0.15162	0.51142	0.08197	0.15152
105	41	1.64471	22.35340	0.50850	0.07357	0.13706	0.50850	0.07352	0.13697	1.63130	19.73995	0.51142	0.08263	0.15265	0.51142	0.08257	0.15255
105	42	1.64471	22.14385	0.50850	0.07427	0.13827	0.50850	0.07421	0.13817	1.63130	19.58769	0.51142	0.08328	0.15375	0.51142	0.08321	0.15364
105	43	1.64471	21.92669	0.50850	0.07500	0.13954	0.50850	0.07494	0.13943	1.63130	19.42870	0.51142	0.08396	0.15491	0.51142	0.08389	0.15479
105	44	1.64471	21.70178	0.50850	0.07578	0.14089	0.50850	0.07571	0.14077	1.63130	19.26280	0.51142	0.08468	0.15614	0.51142	0.08461	0.15601
105	45	1.64471	21.46876	0.50850	0.07660	0.14231	0.50850	0.07653	0.14218	1.63130	19.08963	0.51142	0.08545	0.15744	0.51142	0.08537	0.15730
105	46	1.64471	21.22763	0.50850	0.07747	0.14380	0.50850	0.07739	0.14366	1.63130	18.90911	0.51142	0.08626	0.15882	0.51142	0.08617	0.15867
105	47	1.64471	20.97813	0.50850	0.07839	0.14539	0.50850	0.07830	0.14524	1.63130	18.72094	0.51142	0.08713	0.16029	0.51142	0.08703	0.16013
105	48	1.64471	20.72003	0.50850	0.07937	0.14707	0.50850	0.07927	0.14689	1.63130	18.52488	0.51142	0.08805	0.16185	0.51142	0.08794	0.16166
105	49	1.64471	20.45326	0.50850	0.08040	0.14884	0.50850	0.08029	0.14864	1.63130	18.32076	0.51142	0.08903	0.16350	0.51142	0.08891	0.16329
105	50	1.64471	20.17742	0.50850	0.08150	0.15072	0.50850	0.08137	0.15049	1.63130	18.10816	0.51142	0.09007	0.16526	0.51142	0.08993	0.16502
105	51	1.64471	19.89339	0.50850	0.08266	0.15270	0.50850	0.08251	0.15244	1.63130	17.88781	0.51142	0.09118	0.16712	0.51142	0.09101	0.16684
105	52	1.64471	19.60122	0.50850	0.08389	0.15480	0.50850	0.08371	0.15449	1.63130	17.65967	0.51142	0.09235	0.16909	0.51142	0.09216	0.16876
105	53	1.64471	19.30125	0.50850	0.08519	0.15701	0.50850	0.08498	0.15665	1.63130	17.42398	0.51142	0.09360	0.17118	0.51142	0.09337	0.17079
105	54	1.64471	18.99375	0.50850	0.08657	0.15934	0.50850	0.08632	0.15892	1.63130	17.18091	0.51142	0.09492	0.17338	0.51142	0.09465	0.17294
105	55	1.64471	18.67912	0.50850	0.08802	0.16180	0.50850	0.08773	0.16132	1.63130	16.93076	0.51142	0.09632	0.17571	0.51142	0.09601	0.17520
105	56	1.64471	18.35803	0.50850	0.08956	0.16439	0.50850	0.08923	0.16385	1.63130	16.67407	0.51142	0.09780	0.17817	0.51142	0.09745	0.17759
105	57	1.64471	18.02853	0.50850	0.09119	0.16714	0.50850	0.09083	0.16653	1.63130	16.40902	0.51142	0.09937	0.18078	0.51142	0.09898	0.18013
105	58	1.64471	17.69065	0.50850	0.09293	0.17005	0.50850	0.09252	0.16937	1.63130	16.13552	0.51142	0.10105	0.18355	0.51142	0.10061	0.18283
105	59	1.64471	17.34441	0.50850	0.09478	0.17315	0.50850	0.09432	0.17238	1.63130	15.85354	0.51142	0.10284	0.18650	0.51142	0.10235	0.18570
105	60	1.64471	16.98967	0.50850	0.09675	0.17643	0.50850	0.09624	0.17557	1.63130	15.56284	0.51142	0.10476	0.18965	0.51142	0.10421	0.18875
105	61	1.64471	16.62627	0.50850	0.09886	0.17993	0.50850	0.09828	0.17897	1.63130	15.26320	0.51142	0.10681	0.19300	0.51142	0.10619	0.19200
105	62	1.64471	16.25423	0.50850	0.10111	0.18366	0.50850	0.10047	0.18259	1.63130	14.95454	0.51142	0.10900	0.19657	0.51142	0.10832	0.19546
105	63	1.64471	15.87341	0.50850	0.10353	0.18763	0.50850	0.10281	0.18644	1.63130	14.63664	0.51142	0.11136	0.20040	0.51142	0.11059	0.19916
105	64	1.64471	15.48353	0.50850	0.10613	0.19189	0.50850	0.10531	0.19056	1.63130	14.30913	0.51142	0.11389	0.20450	0.51142	0.11304	0.20312
105	65	1.64471	15.08480	0.50850	0.10892	0.19644	0.50850	0.10800	0.19495	1.63130	13.97213	0.51142	0.11663	0.20889	0.51142	0.11567	0.20735

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
105	66	1.64471	14.67724	0.50850	0.11193	0.20132	0.50850	0.11089	0.19965	1.63130	13.62552	0.51142	0.11958	0.21361	0.51142	0.11849	0.21188		
105	67	1.64471	14.26104	0.50850	0.11518	0.20656	0.50850	0.11400	0.20467	1.63130	13.26940	0.51142	0.12277	0.21868	0.51142	0.12154	0.21673		
105	68	1.64471	13.83657	0.50850	0.11869	0.21219	0.50850	0.11734	0.21004	1.63130	12.90401	0.51142	0.12622	0.22414	0.51142	0.12482	0.22193		
105	69	1.64471	13.40435	0.50850	0.12248	0.21824	0.50850	0.12094	0.21579	1.63130	12.52973	0.51142	0.12996	0.23002	0.51142	0.12835	0.22751		
105	70	1.64471	12.96501	0.50850	0.12660	0.22475	0.50850	0.12482	0.22194	1.63130	12.14706	0.51142	0.13401	0.23635	0.51142	0.13217	0.23348		
105	71	1.64471	12.51927	0.50850	0.13106	0.23175	0.50850	0.12901	0.22853	1.63130	11.75658	0.51142	0.13841	0.24317	0.51142	0.13629	0.23988		
105	72	1.64471	12.06792	0.50850	0.13591	0.23930	0.50850	0.13352	0.23559	1.63130	11.35893	0.51142	0.14320	0.25053	0.51142	0.14074	0.24675		
105	73	1.64471	11.61185	0.50850	0.14118	0.24743	0.50850	0.13840	0.24314	1.63130	10.95491	0.51142	0.14841	0.25846	0.51142	0.14554	0.25410		
105	74	1.64471	11.15217	0.50850	0.14692	0.25620	0.50850	0.14366	0.25123	1.63130	10.54549	0.51142	0.15408	0.26702	0.51142	0.15073	0.26198		
105	75	1.64471	10.68986	0.50850	0.15317	0.26564	0.50850	0.14935	0.25989	1.63130	10.13154	0.51142	0.16027	0.27626	0.51142	0.15635	0.27042		
105	76	1.64471	10.22626	0.50850	0.15998	0.27583	0.50850	0.15550	0.26914	1.63130	9.71428	0.51142	0.16701	0.28622	0.51142	0.16242	0.27945		
105	77	1.64471	9.76277	0.50850	0.16741	0.28680	0.50850	0.16214	0.27903	1.63130	9.29502	0.51142	0.17437	0.29695	0.51142	0.16898	0.28911		
105	78	1.64471	9.30064	0.50850	0.17552	0.29862	0.50850	0.16932	0.28960	1.63130	8.87492	0.51142	0.18240	0.30853	0.51142	0.17608	0.29944		
105	79	1.64471	8.84103	0.50850	0.18438	0.31135	0.50850	0.17707	0.30087	1.63130	8.45509	0.51142	0.19118	0.32099	0.51142	0.18375	0.31046		
105	80	1.64471	8.38551	0.50850	0.19406	0.32505	0.50850	0.18545	0.31288	1.63130	8.03703	0.51142	0.20078	0.33441	0.51142	0.19204	0.32221		
105	81	1.64471	7.93532	0.50850	0.20465	0.33977	0.50850	0.19449	0.32565	1.63130	7.62196	0.51142	0.21127	0.34884	0.51142	0.20099	0.33470		
105	82	1.64471	7.49211	0.50850	0.21622	0.35556	0.50850	0.20424	0.33920	1.63130	7.21152	0.51142	0.22274	0.36433	0.51142	0.21063	0.34796		
105	83	1.64471	7.05756	0.50850	0.22885	0.37246	0.50850	0.21471	0.35352	1.63130	6.80735	0.51142	0.23525	0.38090	0.51142	0.22100	0.36199		
105	84	1.64471	6.63342	0.50850	0.24261	0.39048	0.50850	0.22595	0.36862	1.63130	6.41122	0.51142	0.24889	0.39858	0.51142	0.23212	0.37678		
105	85	1.64471	6.22156	0.50850	0.25756	0.40962	0.50850	0.23797	0.38445	1.63130	6.02503	0.51142	0.26370	0.41735	0.51142	0.24402	0.39231		
105	86	1.64471	5.82374	0.50850	0.27375	0.42984	0.50850	0.25077	0.40099	1.63130	5.65055	0.51142	0.27974	0.43719	0.51142	0.25669	0.40852		
105	87	1.64471	5.44155	0.50850	0.29121	0.45107	0.50850	0.26435	0.41816	1.63130	5.28949	0.51142	0.29704	0.45802	0.51142	0.27013	0.42536		
105	88	1.64471	5.07613	0.50850	0.30996	0.47324	0.50850	0.27870	0.43591	1.63130	4.94306	0.51142	0.31560	0.47978	0.51142	0.28433	0.44276		
105	89	1.64471	4.72862	0.50850	0.32998	0.49622	0.50850	0.29376	0.45412	1.63130	4.61250	0.51142	0.33541	0.50234	0.51142	0.29924	0.46064		
105	90	1.64471	4.40007	0.50850	0.35121	0.51985	0.50850	0.30950	0.47270	1.63130	4.29901	0.51142	0.35642	0.52553	0.51142	0.31481	0.47887		
105	91	1.64471	4.09149	0.50850	0.37353	0.54390	0.50850	0.32583	0.49151	1.63130	4.00370	0.51142	0.37850	0.54915	0.51142	0.33097	0.49734		
105	92	1.64471	3.80354	0.50850	0.39680	0.56816	0.50850	0.34267	0.51043	1.63130	3.72738	0.51142	0.40151	0.57297	0.51142	0.34764	0.51593		
105	93	1.64471	3.53621	0.50850	0.42086	0.59240	0.50850	0.35997	0.52938	1.63130	3.47020	0.51142	0.42529	0.59678	0.51142	0.36476	0.53454		
105	94	1.64471	3.28870	0.50850	0.44555	0.61644	0.50850	0.37766	0.54826	1.63130	3.23152	0.51142	0.44970	0.62041	0.51142	0.38226	0.55310		
105	95	1.64471	3.05955	0.50850	0.47077	0.64017	0.50850	0.39569	0.56702	1.63130	3.01004	0.51142	0.47463	0.64373	0.51142	0.40011	0.57154		
105	96	1.64471	2.84646	0.50850	0.49645	0.66351	0.50850	0.41394	0.58551	1.63130	2.80360	0.51142	0.50001	0.66668	0.51142	0.41817	0.58973		
105	97	1.64471	2.65226	0.50850	0.52201	0.68595	0.50850	0.43217	0.60352	1.63130	2.61510	0.51142	0.52527	0.68876	0.51142	0.43622	0.60745		
105	98	1.64471	2.47567	0.50850	0.54722	0.70736	0.50850	0.45031	0.62098	1.63130	2.44340	0.51142	0.55019	0.70984	0.51142	0.45417	0.62465		
105	99	1.64471	2.31535	0.50850	0.57191	0.72766	0.50850	0.46827	0.63786	1.63130	2.28724	0.51142	0.57459	0.72983	0.51142	0.47196	0.64126		
105	100	1.64471	2.16976	0.50850	0.59592	0.74681	0.50850	0.48601	0.65411	1.63130	2.14523	0.51142	0.59833	0.74870	0.51142	0.48951	0.65728		
105	101	1.64471	2.03734	0.50850	0.61917	0.76480	0.50850	0.50347	0.66974	1.63130	2.01587	0.51142	0.62132	0.76644	0.51142	0.50680	0.67268		
105	102	1.64471	1.91714	0.50850	0.64149	0.78159	0.50850	0.52055	0.68469	1.63130	1.89830	0.51142	0.64340	0.78301	0.51142	0.52372	0.68742		
105	103	1.64471	1.80800	0.50850	0.66280	0.79721	0.50850	0.53720	0.69893	1.63130	1.79140	0.51142	0.66449	0.79843	0.51142	0.54021	0.70148		
105	104	1.64471	1.70943	0.50850	0.68292	0.81159	0.50850	0.55329	0.71241	1.63130	1.69474	0.51142	0.68441	0.81264	0.51142	0.55615	0.71478		
105	105	1.64471	1.62048	0.50850	0.70180	0.82477	0.50850	0.56873	0.72509	1.63130	1.60741	0.51142	0.70311	0.82567	0.51142	0.57146	0.72730		
105	106	1.64471	1.54080	0.50850	0.71925	0.83671	0.50850	0.58335	0.73685	1.63130	1.52911	0.51142	0.72041	0.83748	0.51142	0.58596	0.73893		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Retiree		Beneficiary	Retiree Annuity	Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6	Retiree Annuity		Beneficiary	Option 1	Option 2	Option 3	Option 4	Option 5	Option 6
Age	Age	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Factor	Value	Annuity Value	Factor	Factor	Factor	Factor	Factor	Factor	Factor
105	107	1.64471	1.47009	0.50850	0.73513	0.84735	0.50850	0.59691	0.74758	1.63130	1.45954	0.51142	0.73616	0.84803	0.51142	0.59941	0.74954		
105	108	1.64471	1.40861	0.50850	0.74913	0.85658	0.50850	0.60899	0.75698	1.63130	1.39898	0.51142	0.75005	0.85718	0.51142	0.61142	0.75886		
105	109	1.64471	1.35764	0.50850	0.76070	0.86409	0.50850	0.61891	0.76460	1.63130	1.34871	0.51142	0.76155	0.86464	0.51142	0.62128	0.76641		
105	110	1.64471	1.32125	0.50850	0.76885	0.86932	0.50850	0.62576	0.76981	1.63130	1.31279	0.51142	0.76965	0.86983	0.51142	0.62809	0.77157		
106	1	1.55744	26.72925	0.50147	0.05827	0.11012	0.50147	0.05826	0.11010	1.54556	22.57586	0.50445	0.06846	0.12815	0.50445	0.06845	0.12813		
106	2	1.55744	26.68154	0.50147	0.05837	0.11030	0.50147	0.05836	0.11029	1.54556	22.55058	0.50445	0.06854	0.12828	0.50445	0.06853	0.12826		
106	3	1.55744	26.63112	0.50147	0.05848	0.11050	0.50147	0.05847	0.11049	1.54556	22.52338	0.50445	0.06862	0.12843	0.50445	0.06861	0.12841		
106	4	1.55744	26.57806	0.50147	0.05860	0.11071	0.50147	0.05859	0.11070	1.54556	22.49433	0.50445	0.06871	0.12858	0.50445	0.06870	0.12857		
106	5	1.55744	26.52283	0.50147	0.05872	0.11093	0.50147	0.05871	0.11091	1.54556	22.46379	0.50445	0.06880	0.12875	0.50445	0.06879	0.12873		
106	6	1.55744	26.46539	0.50147	0.05885	0.11115	0.50147	0.05884	0.11114	1.54556	22.43176	0.50445	0.06890	0.12892	0.50445	0.06889	0.12890		
106	7	1.55744	26.40551	0.50147	0.05898	0.11139	0.50147	0.05897	0.11138	1.54556	22.39806	0.50445	0.06900	0.12910	0.50445	0.06900	0.12909		
106	8	1.55744	26.34335	0.50147	0.05912	0.11164	0.50147	0.05911	0.11163	1.54556	22.36278	0.50445	0.06911	0.12929	0.50445	0.06910	0.12928		
106	9	1.55744	26.27867	0.50147	0.05927	0.11190	0.50147	0.05926	0.11189	1.54556	22.32575	0.50445	0.06923	0.12949	0.50445	0.06922	0.12948		
106	10	1.55744	26.21121	0.50147	0.05942	0.11217	0.50147	0.05941	0.11216	1.54556	22.28674	0.50445	0.06935	0.12970	0.50445	0.06934	0.12969		
106	11	1.55744	26.14141	0.50147	0.05958	0.11245	0.50147	0.05957	0.11244	1.54556	22.24611	0.50445	0.06947	0.12992	0.50445	0.06947	0.12991		
106	12	1.55744	26.06892	0.50147	0.05974	0.11275	0.50147	0.05973	0.11273	1.54556	22.20360	0.50445	0.06961	0.13016	0.50445	0.06960	0.13014		
106	13	1.55744	25.99388	0.50147	0.05991	0.11306	0.50147	0.05990	0.11304	1.54556	22.15929	0.50445	0.06975	0.13040	0.50445	0.06973	0.13038		
106	14	1.55744	25.91617	0.50147	0.06009	0.11338	0.50147	0.06008	0.11335	1.54556	22.11310	0.50445	0.06989	0.13065	0.50445	0.06988	0.13063		
106	15	1.55744	25.83587	0.50147	0.06028	0.11371	0.50147	0.06027	0.11368	1.54556	22.06509	0.50445	0.07004	0.13092	0.50445	0.07003	0.13089		
106	16	1.55744	25.75319	0.50147	0.06047	0.11405	0.50147	0.06045	0.11402	1.54556	22.01544	0.50445	0.07020	0.13119	0.50445	0.07018	0.13116		
106	17	1.55744	25.66857	0.50147	0.06067	0.11441	0.50147	0.06065	0.11437	1.54556	21.96453	0.50445	0.07036	0.13148	0.50445	0.07034	0.13143		
106	18	1.55744	25.58235	0.50147	0.06088	0.11477	0.50147	0.06085	0.11473	1.54556	21.91267	0.50445	0.07053	0.13177	0.50445	0.07050	0.13172		
106	19	1.55744	25.49361	0.50147	0.06109	0.11515	0.50147	0.06107	0.11510	1.54556	21.85907	0.50445	0.07070	0.13207	0.50445	0.07068	0.13202		
106	20	1.55744	25.40164	0.50147	0.06131	0.11554	0.50147	0.06129	0.11550	1.54556	21.80312	0.50445	0.07089	0.13239	0.50445	0.07086	0.13234		
106	21	1.55744	25.30562	0.50147	0.06154	0.11595	0.50147	0.06152	0.11592	1.54556	21.74411	0.50445	0.07108	0.13272	0.50445	0.07106	0.13268		
106	22	1.55744	25.20517	0.50147	0.06179	0.11639	0.50147	0.06177	0.11636	1.54556	21.68171	0.50445	0.07128	0.13308	0.50445	0.07126	0.13305		
106	23	1.55744	25.09967	0.50147	0.06205	0.11685	0.50147	0.06203	0.11682	1.54556	21.61537	0.50445	0.07150	0.13346	0.50445	0.07148	0.13343		
106	24	1.55744	24.98936	0.50147	0.06232	0.11733	0.50147	0.06231	0.11731	1.54556	21.54528	0.50445	0.07173	0.13387	0.50445	0.07172	0.13384		
106	25	1.55744	24.87419	0.50147	0.06261	0.11784	0.50147	0.06260	0.11782	1.54556	21.47137	0.50445	0.07198	0.13430	0.50445	0.07196	0.13427		
106	26	1.55744	24.75420	0.50147	0.06291	0.11838	0.50147	0.06290	0.11835	1.54556	21.39367	0.50445	0.07224	0.13475	0.50445	0.07222	0.13472		
106	27	1.55744	24.62994	0.50147	0.06323	0.11894	0.50147	0.06321	0.11891	1.54556	21.31262	0.50445	0.07252	0.13523	0.50445	0.07250	0.13519		
106	28	1.55744	24.50119	0.50147	0.06356	0.11953	0.50147	0.06354	0.11950	1.54556	21.22804	0.50445	0.07281	0.13573	0.50445	0.07278	0.13569		
106	29	1.55744	24.36788	0.50147	0.06391	0.12015	0.50147	0.06389	0.12011	1.54556	21.13984	0.50445	0.07311	0.13626	0.50445	0.07308	0.13621		
106	30	1.55744	24.23009	0.50147	0.06428	0.12079	0.50147	0.06425	0.12074	1.54556	21.04806	0.50445	0.07343	0.13681	0.50445	0.07340	0.13676		
106	31	1.55744	24.08752	0.50147	0.06466	0.12146	0.50147	0.06463	0.12141	1.54556	20.95246	0.50445	0.07376	0.13739	0.50445	0.07373	0.13734		
106	32	1.55744	23.94006	0.50147	0.06505	0.12216	0.50147	0.06503	0.12211	1.54556	20.85289	0.50445	0.07411	0.13800	0.50445	0.07408	0.13795		
106	33	1.55744	23.78740	0.50147	0.06547	0.12290	0.50147	0.06544	0.12284	1.54556	20.74907	0.50445	0.07449	0.13864	0.50445	0.07445	0.13858		
106	34	1.55744	23.62942	0.50147	0.06591	0.12367	0.50147	0.06588	0.12361	1.54556	20.64088	0.50445	0.07488	0.13932	0.50445	0.07484	0.13926		
106	35	1.55744	23.46579	0.50147	0.06637	0.12447	0.50147	0.06633	0.12441	1.54556	20.52800	0.50445	0.07529	0.14003	0.50445	0.07525	0.13996		
106	36	1.55744	23.29632	0.50147	0.06685	0.12532	0.50147	0.06681	0.12526	1.54556	20.41023	0.50445	0.07572	0.14078	0.50445	0.07568	0.14071		
106	37	1.55744	23.12089	0.50147	0.06736	0.12621	0.50147	0.06732	0.12614	1.54556	20.28745	0.50445	0.07618	0.14157	0.50445	0.07614	0.14150		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
106	38	1.55744	22.93911	0.50147	0.06789	0.12715	0.50147	0.06785	0.12708	1.54556	20.15926	0.50445	0.07666	0.14241	0.50445	0.07662	0.14233
106	39	1.55744	22.75087	0.50147	0.06845	0.12813	0.50147	0.06841	0.12806	1.54556	20.02555	0.50445	0.07718	0.14329	0.50445	0.07713	0.14321
106	40	1.55744	22.55572	0.50147	0.06904	0.12917	0.50147	0.06900	0.12909	1.54556	19.88587	0.50445	0.07772	0.14423	0.50445	0.07767	0.14414
106	41	1.55744	22.35340	0.50147	0.06967	0.13026	0.50147	0.06962	0.13018	1.54556	19.73995	0.50445	0.07829	0.14521	0.50445	0.07824	0.14512
106	42	1.55744	22.14385	0.50147	0.07033	0.13142	0.50147	0.07028	0.13132	1.54556	19.58769	0.50445	0.07890	0.14626	0.50445	0.07884	0.14616
106	43	1.55744	21.92669	0.50147	0.07102	0.13263	0.50147	0.07097	0.13253	1.54556	19.42870	0.50445	0.07955	0.14737	0.50445	0.07948	0.14726
106	44	1.55744	21.70178	0.50147	0.07176	0.13391	0.50147	0.07170	0.13381	1.54556	19.26280	0.50445	0.08023	0.14854	0.50445	0.08016	0.14843
106	45	1.55744	21.46876	0.50147	0.07254	0.13527	0.50147	0.07247	0.13515	1.54556	19.08963	0.50445	0.08096	0.14979	0.50445	0.08088	0.14966
106	46	1.55744	21.22763	0.50147	0.07336	0.13670	0.50147	0.07329	0.13657	1.54556	18.90911	0.50445	0.08173	0.15111	0.50445	0.08165	0.15097
106	47	1.55744	20.97813	0.50147	0.07423	0.13821	0.50147	0.07415	0.13807	1.54556	18.72094	0.50445	0.08255	0.15251	0.50445	0.08246	0.15236
106	48	1.55744	20.72003	0.50147	0.07516	0.13981	0.50147	0.07507	0.13965	1.54556	18.52488	0.50445	0.08342	0.15400	0.50445	0.08333	0.15383
106	49	1.55744	20.45326	0.50147	0.07614	0.14150	0.50147	0.07604	0.14133	1.54556	18.32076	0.50445	0.08435	0.15558	0.50445	0.08424	0.15539
106	50	1.55744	20.17742	0.50147	0.07718	0.14330	0.50147	0.07706	0.14309	1.54556	18.10816	0.50445	0.08534	0.15726	0.50445	0.08521	0.15704
106	51	1.55744	19.89339	0.50147	0.07828	0.14519	0.50147	0.07814	0.14495	1.54556	17.88781	0.50445	0.08639	0.15904	0.50445	0.08624	0.15878
106	52	1.55744	19.60122	0.50147	0.07944	0.14719	0.50147	0.07928	0.14691	1.54556	17.65967	0.50445	0.08750	0.16092	0.50445	0.08733	0.16063
106	53	1.55744	19.30125	0.50147	0.08067	0.14930	0.50147	0.08048	0.14898	1.54556	17.42398	0.50445	0.08868	0.16292	0.50445	0.08848	0.16257
106	54	1.55744	18.99375	0.50147	0.08198	0.15153	0.50147	0.08175	0.15115	1.54556	17.18091	0.50445	0.08993	0.16503	0.50445	0.08969	0.16462
106	55	1.55744	18.67912	0.50147	0.08336	0.15388	0.50147	0.08310	0.15344	1.54556	16.93076	0.50445	0.09126	0.16726	0.50445	0.09098	0.16679
106	56	1.55744	18.35803	0.50147	0.08481	0.15636	0.50147	0.08452	0.15586	1.54556	16.67407	0.50445	0.09266	0.16961	0.50445	0.09235	0.16908
106	57	1.55744	18.02853	0.50147	0.08636	0.15898	0.50147	0.08603	0.15843	1.54556	16.40902	0.50445	0.09415	0.17210	0.50445	0.09380	0.17152
106	58	1.55744	17.69065	0.50147	0.08800	0.16177	0.50147	0.08763	0.16115	1.54556	16.13552	0.50445	0.09574	0.17476	0.50445	0.09535	0.17410
106	59	1.55744	17.34441	0.50147	0.08975	0.16472	0.50147	0.08934	0.16403	1.54556	15.85354	0.50445	0.09744	0.17758	0.50445	0.09700	0.17685
106	60	1.55744	16.98967	0.50147	0.09162	0.16787	0.50147	0.09116	0.16709	1.54556	15.56284	0.50445	0.09926	0.18059	0.50445	0.09876	0.17977
106	61	1.55744	16.62627	0.50147	0.09362	0.17121	0.50147	0.09310	0.17034	1.54556	15.26320	0.50445	0.10120	0.18380	0.50445	0.10065	0.18289
106	62	1.55744	16.25423	0.50147	0.09576	0.17478	0.50147	0.09518	0.17381	1.54556	14.95454	0.50445	0.10328	0.18722	0.50445	0.10267	0.18621
106	63	1.55744	15.87341	0.50147	0.09805	0.17858	0.50147	0.09740	0.17750	1.54556	14.63664	0.50445	0.10551	0.19089	0.50445	0.10483	0.18976
106	64	1.55744	15.48353	0.50147	0.10051	0.18265	0.50147	0.09978	0.18145	1.54556	14.30913	0.50445	0.10792	0.19481	0.50445	0.10715	0.19356
106	65	1.55744	15.08480	0.50147	0.10315	0.18701	0.50147	0.10233	0.18566	1.54556	13.97213	0.50445	0.11051	0.19903	0.50445	0.10965	0.19762
106	66	1.55744	14.67724	0.50147	0.10600	0.19169	0.50147	0.10507	0.19017	1.54556	13.62552	0.50445	0.11331	0.20355	0.50445	0.11233	0.20198
106	67	1.55744	14.26104	0.50147	0.10908	0.19670	0.50147	0.10802	0.19499	1.54556	13.26940	0.50445	0.11633	0.20842	0.50445	0.11523	0.20664
106	68	1.55744	13.83657	0.50147	0.11241	0.20210	0.50147	0.11120	0.20015	1.54556	12.90401	0.50445	0.11960	0.21365	0.50445	0.11835	0.21164
106	69	1.55744	13.40435	0.50147	0.11601	0.20790	0.50147	0.11463	0.20567	1.54556	12.52973	0.50445	0.12315	0.21929	0.50445	0.12171	0.21701
106	70	1.55744	12.96501	0.50147	0.11991	0.21414	0.50147	0.11832	0.21160	1.54556	12.14706	0.50445	0.12700	0.22537	0.50445	0.12534	0.22276
106	71	1.55744	12.51927	0.50147	0.12414	0.22086	0.50147	0.12230	0.21794	1.54556	11.75658	0.50445	0.13117	0.23193	0.50445	0.12926	0.22893
106	72	1.55744	12.06792	0.50147	0.12874	0.22811	0.50147	0.12659	0.22474	1.54556	11.35893	0.50445	0.13572	0.23900	0.50445	0.13350	0.23555
106	73	1.55744	11.61185	0.50147	0.13374	0.23592	0.50147	0.13124	0.23202	1.54556	10.95491	0.50445	0.14066	0.24663	0.50445	0.13808	0.24265
106	74	1.55744	11.15217	0.50147	0.13918	0.24435	0.50147	0.13625	0.23983	1.54556	10.54549	0.50445	0.14605	0.25487	0.50445	0.14303	0.25027
106	75	1.55744	10.68986	0.50147	0.14511	0.25344	0.50147	0.14168	0.24819	1.54556	10.13154	0.50445	0.15192	0.26376	0.50445	0.14839	0.25843
106	76	1.55744	10.22626	0.50147	0.15158	0.26325	0.50147	0.14754	0.25714	1.54556	9.71428	0.50445	0.15832	0.27337	0.50445	0.15419	0.26718
106	77	1.55744	9.76277	0.50147	0.15863	0.27383	0.50147	0.15389	0.26673	1.54556	9.29502	0.50445	0.16532	0.28373	0.50445	0.16046	0.27655
106	78	1.55744	9.30064	0.50147	0.16634	0.28523	0.50147	0.16075	0.27697	1.54556	8.87492	0.50445	0.17296	0.29491	0.50445	0.16725	0.28657

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
106	79	1.55744	8.84103	0.50147	0.17476	0.29753	0.50147	0.16817	0.28792	1.54556	8.45509	0.50445	0.18131	0.30696	0.50445	0.17460	0.29729
106	80	1.55744	8.38551	0.50147	0.18398	0.31078	0.50147	0.17620	0.29960	1.54556	8.03703	0.50445	0.19045	0.31996	0.50445	0.18254	0.30873
106	81	1.55744	7.93532	0.50147	0.19405	0.32503	0.50147	0.18487	0.31205	1.54556	7.62196	0.50445	0.20044	0.33395	0.50445	0.19113	0.32092
106	82	1.55744	7.49211	0.50147	0.20508	0.34035	0.50147	0.19422	0.32527	1.54556	7.21152	0.50445	0.21137	0.34898	0.50445	0.20039	0.33388
106	83	1.55744	7.05756	0.50147	0.21712	0.35678	0.50147	0.20430	0.33928	1.54556	6.80735	0.50445	0.22332	0.36510	0.50445	0.21037	0.34761
106	84	1.55744	6.63342	0.50147	0.23026	0.37433	0.50147	0.21513	0.35408	1.54556	6.41122	0.50445	0.23635	0.38233	0.50445	0.22109	0.36212
106	85	1.55744	6.22156	0.50147	0.24456	0.39300	0.50147	0.22672	0.36964	1.54556	6.02503	0.50445	0.25053	0.40067	0.50445	0.23258	0.37739
106	86	1.55744	5.82374	0.50147	0.26006	0.41278	0.50147	0.23910	0.38592	1.54556	5.65055	0.50445	0.26590	0.42009	0.50445	0.24484	0.39337
106	87	1.55744	5.44155	0.50147	0.27681	0.43360	0.50147	0.25225	0.40287	1.54556	5.28949	0.50445	0.28250	0.44054	0.50445	0.25787	0.41001
106	88	1.55744	5.07613	0.50147	0.29483	0.45540	0.50147	0.26617	0.42044	1.54556	4.94306	0.50445	0.30035	0.46196	0.50445	0.27166	0.42725
106	89	1.55744	4.72862	0.50147	0.31412	0.47807	0.50147	0.28083	0.43851	1.54556	4.61250	0.50445	0.31946	0.48422	0.50445	0.28617	0.44500
106	90	1.55744	4.40007	0.50147	0.33462	0.50145	0.50147	0.29617	0.45699	1.54556	4.29901	0.50445	0.33976	0.50719	0.50445	0.30136	0.46315
106	91	1.55744	4.09149	0.50147	0.35624	0.52534	0.50147	0.31213	0.47576	1.54556	4.00370	0.50445	0.36116	0.53067	0.50445	0.31717	0.48159
106	92	1.55744	3.80354	0.50147	0.37884	0.54951	0.50147	0.32863	0.49469	1.54556	3.72738	0.50445	0.38353	0.55442	0.50445	0.33350	0.50019
106	93	1.55744	3.53621	0.50147	0.40228	0.57375	0.50147	0.34561	0.51368	1.54556	3.47020	0.50445	0.40672	0.57825	0.50445	0.35032	0.51887
106	94	1.55744	3.28870	0.50147	0.42643	0.59790	0.50147	0.36302	0.53267	1.54556	3.23152	0.50445	0.43060	0.60199	0.50445	0.36756	0.53754
106	95	1.55744	3.05955	0.50147	0.45119	0.62182	0.50147	0.38081	0.55158	1.54556	3.01004	0.50445	0.45508	0.62551	0.50445	0.38518	0.55614
106	96	1.55744	2.84646	0.50147	0.47649	0.64544	0.50147	0.39887	0.57027	1.54556	2.80360	0.50445	0.48011	0.64875	0.50445	0.40306	0.57454
106	97	1.55744	2.65226	0.50147	0.50178	0.66825	0.50147	0.41696	0.58853	1.54556	2.61510	0.50445	0.50512	0.67120	0.50445	0.42097	0.59251
106	98	1.55744	2.47567	0.50147	0.52684	0.69010	0.50147	0.43499	0.60627	1.54556	2.44340	0.50445	0.52990	0.69272	0.50445	0.43883	0.60998
106	99	1.55744	2.31535	0.50147	0.55147	0.71090	0.50147	0.45290	0.62344	1.54556	2.28724	0.50445	0.55426	0.71321	0.50445	0.45656	0.62690
106	100	1.55744	2.16976	0.50147	0.57554	0.73059	0.50147	0.47062	0.64003	1.54556	2.14523	0.50445	0.57806	0.73262	0.50445	0.47411	0.64325
106	101	1.55744	2.03734	0.50147	0.59893	0.74917	0.50147	0.48810	0.65600	1.54556	2.01587	0.50445	0.60120	0.75094	0.50445	0.49143	0.65900
106	102	1.55744	1.91714	0.50147	0.62149	0.76657	0.50147	0.50524	0.67131	1.54556	1.89830	0.50445	0.62353	0.76812	0.50445	0.50842	0.67411
106	103	1.55744	1.80800	0.50147	0.64312	0.78281	0.50147	0.52200	0.68594	1.54556	1.79140	0.50445	0.64494	0.78415	0.50445	0.52502	0.68854
106	104	1.55744	1.70943	0.50147	0.66364	0.79781	0.50147	0.53822	0.69979	1.54556	1.69474	0.50445	0.66525	0.79898	0.50445	0.54110	0.70222
106	105	1.55744	1.62048	0.50147	0.68295	0.81161	0.50147	0.55383	0.71285	1.54556	1.60741	0.50445	0.68438	0.81262	0.50445	0.55657	0.71513
106	106	1.55744	1.54080	0.50147	0.70089	0.82414	0.50147	0.56863	0.72500	1.54556	1.52911	0.50445	0.70216	0.82502	0.50445	0.57126	0.72714
106	107	1.55744	1.47009	0.50147	0.71727	0.83536	0.50147	0.58240	0.73610	1.54556	1.45954	0.50445	0.71841	0.83613	0.50445	0.58493	0.73812
106	108	1.55744	1.40861	0.50147	0.73177	0.84511	0.50147	0.59471	0.74585	1.54556	1.39898	0.50445	0.73280	0.84580	0.50445	0.59716	0.74778
106	109	1.55744	1.35764	0.50147	0.74380	0.85308	0.50147	0.60486	0.75378	1.54556	1.34871	0.50445	0.74475	0.85371	0.50445	0.60725	0.75564
106	110	1.55744	1.32125	0.50147	0.75230	0.85864	0.50147	0.61188	0.75921	1.54556	1.31279	0.50445	0.75320	0.85923	0.50445	0.61424	0.76103
107	1	1.47959	26.72925	0.49602	0.05535	0.10490	0.49602	0.05534	0.10488	1.46899	22.57586	0.49907	0.06507	0.12219	0.49907	0.06506	0.12217
107	2	1.47959	26.68154	0.49602	0.05545	0.10508	0.49602	0.05545	0.10507	1.46899	22.55058	0.49907	0.06514	0.12232	0.49907	0.06513	0.12230
107	3	1.47959	26.63112	0.49602	0.05556	0.10527	0.49602	0.05555	0.10526	1.46899	22.52338	0.49907	0.06522	0.12245	0.49907	0.06521	0.12244
107	4	1.47959	26.57806	0.49602	0.05567	0.10547	0.49602	0.05566	0.10546	1.46899	22.49433	0.49907	0.06530	0.12260	0.49907	0.06530	0.12259
107	5	1.47959	26.52283	0.49602	0.05579	0.10568	0.49602	0.05578	0.10566	1.46899	22.46379	0.49907	0.06539	0.12276	0.49907	0.06539	0.12275
107	6	1.47959	26.46539	0.49602	0.05591	0.10589	0.49602	0.05590	0.10588	1.46899	22.43176	0.49907	0.06549	0.12292	0.49907	0.06548	0.12291
107	7	1.47959	26.40551	0.49602	0.05603	0.10612	0.49602	0.05603	0.10611	1.46899	22.39806	0.49907	0.06559	0.12310	0.49907	0.06558	0.12308
107	8	1.47959	26.34335	0.49602	0.05617	0.10636	0.49602	0.05616	0.10635	1.46899	22.36278	0.49907	0.06569	0.12328	0.49907	0.06568	0.12327
107	9	1.47959	26.27867	0.49602	0.05630	0.10660	0.49602	0.05630	0.10659	1.46899	22.32575	0.49907	0.06580	0.12347	0.49907	0.06579	0.12346

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
107	10	1.47959	26.21121	0.49602	0.05645	0.10686	0.49602	0.05644	0.10685	1.46899	22.28674	0.49907	0.06591	0.12367	0.49907	0.06591	0.12366
107	11	1.47959	26.14141	0.49602	0.05660	0.10713	0.49602	0.05659	0.10712	1.46899	22.24611	0.49907	0.06603	0.12389	0.49907	0.06602	0.12387
107	12	1.47959	26.06892	0.49602	0.05676	0.10742	0.49602	0.05675	0.10740	1.46899	22.20360	0.49907	0.06616	0.12411	0.49907	0.06615	0.12409
107	13	1.47959	25.99388	0.49602	0.05692	0.10771	0.49602	0.05691	0.10769	1.46899	22.15929	0.49907	0.06629	0.12434	0.49907	0.06628	0.12432
107	14	1.47959	25.91617	0.49602	0.05709	0.10801	0.49602	0.05708	0.10799	1.46899	22.11310	0.49907	0.06643	0.12458	0.49907	0.06642	0.12456
107	15	1.47959	25.83587	0.49602	0.05727	0.10833	0.49602	0.05725	0.10831	1.46899	22.06509	0.49907	0.06657	0.12484	0.49907	0.06656	0.12481
107	16	1.47959	25.75319	0.49602	0.05745	0.10866	0.49602	0.05743	0.10863	1.46899	22.01544	0.49907	0.06672	0.12510	0.49907	0.06670	0.12507
107	17	1.47959	25.66857	0.49602	0.05764	0.10900	0.49602	0.05762	0.10896	1.46899	21.96453	0.49907	0.06688	0.12537	0.49907	0.06686	0.12533
107	18	1.47959	25.58235	0.49602	0.05784	0.10935	0.49602	0.05781	0.10931	1.46899	21.91267	0.49907	0.06704	0.12565	0.49907	0.06701	0.12561
107	19	1.47959	25.49361	0.49602	0.05804	0.10971	0.49602	0.05802	0.10967	1.46899	21.85907	0.49907	0.06720	0.12594	0.49907	0.06718	0.12590
107	20	1.47959	25.40164	0.49602	0.05825	0.11008	0.49602	0.05823	0.11005	1.46899	21.80312	0.49907	0.06737	0.12624	0.49907	0.06735	0.12620
107	21	1.47959	25.30562	0.49602	0.05847	0.11048	0.49602	0.05845	0.11045	1.46899	21.74411	0.49907	0.06756	0.12656	0.49907	0.06754	0.12653
107	22	1.47959	25.20517	0.49602	0.05870	0.11089	0.49602	0.05869	0.11087	1.46899	21.68171	0.49907	0.06775	0.12690	0.49907	0.06773	0.12687
107	23	1.47959	25.09967	0.49602	0.05895	0.11133	0.49602	0.05893	0.11131	1.46899	21.61537	0.49907	0.06796	0.12727	0.49907	0.06794	0.12724
107	24	1.47959	24.98936	0.49602	0.05921	0.11180	0.49602	0.05919	0.11177	1.46899	21.54528	0.49907	0.06818	0.12766	0.49907	0.06817	0.12763
107	25	1.47959	24.87419	0.49602	0.05948	0.11229	0.49602	0.05947	0.11226	1.46899	21.47137	0.49907	0.06842	0.12807	0.49907	0.06840	0.12804
107	26	1.47959	24.75420	0.49602	0.05977	0.11280	0.49602	0.05976	0.11277	1.46899	21.39367	0.49907	0.06866	0.12850	0.49907	0.06865	0.12847
107	27	1.47959	24.62994	0.49602	0.06007	0.11334	0.49602	0.06006	0.11331	1.46899	21.31262	0.49907	0.06892	0.12896	0.49907	0.06891	0.12893
107	28	1.47959	24.50119	0.49602	0.06039	0.11390	0.49602	0.06037	0.11387	1.46899	21.22804	0.49907	0.06920	0.12944	0.49907	0.06918	0.12941
107	29	1.47959	24.36788	0.49602	0.06072	0.11448	0.49602	0.06070	0.11445	1.46899	21.13984	0.49907	0.06949	0.12995	0.49907	0.06947	0.12991
107	30	1.47959	24.23009	0.49602	0.06106	0.11510	0.49602	0.06104	0.11506	1.46899	21.04806	0.49907	0.06979	0.13048	0.49907	0.06977	0.13043
107	31	1.47959	24.08752	0.49602	0.06142	0.11574	0.49602	0.06140	0.11570	1.46899	20.95246	0.49907	0.07011	0.13103	0.49907	0.07008	0.13098
107	32	1.47959	23.94006	0.49602	0.06180	0.11641	0.49602	0.06178	0.11636	1.46899	20.85289	0.49907	0.07044	0.13162	0.49907	0.07041	0.13157
107	33	1.47959	23.78740	0.49602	0.06220	0.11711	0.49602	0.06217	0.11706	1.46899	20.74907	0.49907	0.07080	0.13223	0.49907	0.07076	0.13218
107	34	1.47959	23.62942	0.49602	0.06261	0.11785	0.49602	0.06258	0.11780	1.46899	20.64088	0.49907	0.07117	0.13288	0.49907	0.07113	0.13282
107	35	1.47959	23.46579	0.49602	0.06305	0.11862	0.49602	0.06302	0.11857	1.46899	20.52800	0.49907	0.07156	0.13356	0.49907	0.07152	0.13350
107	36	1.47959	23.29632	0.49602	0.06351	0.11943	0.49602	0.06348	0.11937	1.46899	20.41023	0.49907	0.07197	0.13428	0.49907	0.07193	0.13421
107	37	1.47959	23.12089	0.49602	0.06399	0.12029	0.49602	0.06396	0.12022	1.46899	20.28745	0.49907	0.07241	0.13503	0.49907	0.07237	0.13497
107	38	1.47959	22.93911	0.49602	0.06450	0.12118	0.49602	0.06446	0.12111	1.46899	20.15926	0.49907	0.07287	0.13583	0.49907	0.07282	0.13576
107	39	1.47959	22.75087	0.49602	0.06503	0.12212	0.49602	0.06499	0.12205	1.46899	20.02555	0.49907	0.07335	0.13668	0.49907	0.07331	0.13660
107	40	1.47959	22.55572	0.49602	0.06559	0.12311	0.49602	0.06555	0.12304	1.46899	19.88587	0.49907	0.07387	0.13757	0.49907	0.07382	0.13749
107	41	1.47959	22.35340	0.49602	0.06619	0.12416	0.49602	0.06614	0.12408	1.46899	19.73995	0.49907	0.07441	0.13852	0.49907	0.07436	0.13843
107	42	1.47959	22.14385	0.49602	0.06681	0.12526	0.49602	0.06677	0.12518	1.46899	19.58769	0.49907	0.07499	0.13952	0.49907	0.07494	0.13943
107	43	1.47959	21.92669	0.49602	0.06748	0.12642	0.49602	0.06742	0.12633	1.46899	19.42870	0.49907	0.07560	0.14058	0.49907	0.07555	0.14048
107	44	1.47959	21.70178	0.49602	0.06817	0.12765	0.49602	0.06812	0.12755	1.46899	19.26280	0.49907	0.07626	0.14171	0.49907	0.07620	0.14160
107	45	1.47959	21.46876	0.49602	0.06891	0.12894	0.49602	0.06885	0.12884	1.46899	19.08963	0.49907	0.07695	0.14290	0.49907	0.07688	0.14279
107	46	1.47959	21.22763	0.49602	0.06970	0.13031	0.49602	0.06963	0.13020	1.46899	18.90911	0.49907	0.07768	0.14416	0.49907	0.07761	0.14404
107	47	1.47959	20.97813	0.49602	0.07052	0.13176	0.49602	0.07045	0.13163	1.46899	18.72094	0.49907	0.07846	0.14551	0.49907	0.07838	0.14537
107	48	1.47959	20.72003	0.49602	0.07140	0.13329	0.49602	0.07132	0.13315	1.46899	18.52488	0.49907	0.07929	0.14693	0.49907	0.07920	0.14678
107	49	1.47959	20.45326	0.49602	0.07233	0.13491	0.49602	0.07224	0.13475	1.46899	18.32076	0.49907	0.08017	0.14845	0.49907	0.08007	0.14828
107	50	1.47959	20.17742	0.49602	0.07332	0.13662	0.49602	0.07321	0.13644	1.46899	18.10816	0.49907	0.08111	0.15005	0.49907	0.08100	0.14986

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Retiree	Beneficiary	Retiree Annuity	Beneficiary Annuity Value	Option 1 Factor	Option 2 Factor	Option 3 Factor	Option 4 Factor	Option 5 Factor	Option 6 Factor	Retiree Annuity Value	Beneficiary Annuity Value	Option 1 Factor	Option 2 Factor	Option 3 Factor	Option 4 Factor	Option 5 Factor	Option 6 Factor
107	51	1.47959	19.89339	0.49602	0.07437	0.13844	0.49602	0.07424	0.13822	1.46899	17.88781	0.49907	0.08211	0.15176	0.49907	0.08198	0.15153
107	52	1.47959	19.60122	0.49602	0.07547	0.14035	0.49602	0.07533	0.14010	1.46899	17.65967	0.49907	0.08317	0.15357	0.49907	0.08301	0.15330
107	53	1.47959	19.30125	0.49602	0.07664	0.14237	0.49602	0.07647	0.14208	1.46899	17.42398	0.49907	0.08429	0.15548	0.49907	0.08411	0.15516
107	54	1.47959	18.99375	0.49602	0.07788	0.14451	0.49602	0.07768	0.14416	1.46899	17.18091	0.49907	0.08548	0.15750	0.49907	0.08526	0.15713
107	55	1.47959	18.67912	0.49602	0.07919	0.14676	0.49602	0.07896	0.14636	1.46899	16.93076	0.49907	0.08674	0.15964	0.49907	0.08649	0.15921
107	56	1.47959	18.35803	0.49602	0.08057	0.14913	0.49602	0.08031	0.14868	1.46899	16.67407	0.49907	0.08807	0.16189	0.49907	0.08779	0.16141
107	57	1.47959	18.02853	0.49602	0.08204	0.15164	0.49602	0.08175	0.15114	1.46899	16.40902	0.49907	0.08949	0.16428	0.49907	0.08918	0.16375
107	58	1.47959	17.69065	0.49602	0.08361	0.15431	0.49602	0.08327	0.15375	1.46899	16.13552	0.49907	0.09101	0.16683	0.49907	0.09065	0.16623
107	59	1.47959	17.34441	0.49602	0.08527	0.15714	0.49602	0.08490	0.15651	1.46899	15.85354	0.49907	0.09262	0.16954	0.49907	0.09222	0.16887
107	60	1.47959	16.98967	0.49602	0.08705	0.16015	0.49602	0.08663	0.15945	1.46899	15.56284	0.49907	0.09434	0.17242	0.49907	0.09390	0.17168
107	61	1.47959	16.62627	0.49602	0.08895	0.16336	0.49602	0.08848	0.16257	1.46899	15.26320	0.49907	0.09619	0.17550	0.49907	0.09569	0.17467
107	62	1.47959	16.25423	0.49602	0.09098	0.16678	0.49602	0.09045	0.16190	1.46899	14.95454	0.49907	0.09817	0.17879	0.49907	0.09762	0.17787
107	63	1.47959	15.87341	0.49602	0.09315	0.17043	0.49602	0.09256	0.16945	1.46899	14.63664	0.49907	0.10030	0.18231	0.49907	0.09967	0.18128
107	64	1.47959	15.48353	0.49602	0.09549	0.17433	0.49602	0.09483	0.17323	1.46899	14.30913	0.49907	0.10258	0.18608	0.49907	0.10189	0.18493
107	65	1.47959	15.08480	0.49602	0.09800	0.17851	0.49602	0.09726	0.17728	1.46899	13.97213	0.49907	0.10505	0.19012	0.49907	0.10427	0.18884
107	66	1.47959	14.67724	0.49602	0.10071	0.18300	0.49602	0.09988	0.18161	1.46899	13.62552	0.49907	0.10771	0.19447	0.49907	0.10683	0.19303
107	67	1.47959	14.26104	0.49602	0.10364	0.18782	0.49602	0.10269	0.18625	1.46899	13.26940	0.49907	0.11058	0.19914	0.49907	0.10958	0.19752
107	68	1.47959	13.83657	0.49602	0.10680	0.19299	0.49602	0.10572	0.19122	1.46899	12.90401	0.49907	0.11369	0.20418	0.49907	0.11256	0.20234
107	69	1.47959	13.40435	0.49602	0.11023	0.19857	0.49602	0.10898	0.19654	1.46899	12.52973	0.49907	0.11707	0.20960	0.49907	0.11577	0.20751
107	70	1.47959	12.96501	0.49602	0.11394	0.20457	0.49602	0.11250	0.20224	1.46899	12.14706	0.49907	0.12073	0.21545	0.49907	0.11923	0.21306
107	71	1.47959	12.51927	0.49602	0.11796	0.21103	0.49602	0.11630	0.20836	1.46899	11.75658	0.49907	0.12470	0.22176	0.49907	0.12297	0.21902
107	72	1.47959	12.06792	0.49602	0.12234	0.21800	0.49602	0.12040	0.21492	1.46899	11.35893	0.49907	0.12903	0.22856	0.49907	0.12702	0.22541
107	73	1.47959	11.61185	0.49602	0.12709	0.22552	0.49602	0.12483	0.22195	1.46899	10.95491	0.49907	0.13373	0.23592	0.49907	0.13140	0.23227
107	74	1.47959	11.15217	0.49602	0.13227	0.23364	0.49602	0.12962	0.22950	1.46899	10.54549	0.49907	0.13886	0.24386	0.49907	0.13613	0.23964
107	75	1.47959	10.68986	0.49602	0.13791	0.24240	0.49602	0.13481	0.23759	1.46899	10.13154	0.49907	0.14445	0.25244	0.49907	0.14126	0.24755
107	76	1.47959	10.22626	0.49602	0.14407	0.25186	0.49602	0.14042	0.24626	1.46899	9.71428	0.49907	0.15056	0.26171	0.49907	0.14681	0.25603
107	77	1.47959	9.76277	0.49602	0.15079	0.26206	0.49602	0.14649	0.25554	1.46899	9.29502	0.49907	0.15722	0.27172	0.49907	0.15282	0.26512
107	78	1.47959	9.30064	0.49602	0.15813	0.27308	0.49602	0.15306	0.26549	1.46899	8.87492	0.49907	0.16450	0.28253	0.49907	0.15932	0.27485
107	79	1.47959	8.84103	0.49602	0.16616	0.28497	0.49602	0.16018	0.27613	1.46899	8.45509	0.49907	0.17247	0.29420	0.49907	0.16637	0.28528
107	80	1.47959	8.38551	0.49602	0.17495	0.29780	0.49602	0.16788	0.28750	1.46899	8.03703	0.49907	0.18119	0.30679	0.49907	0.17400	0.29642
107	81	1.47959	7.93532	0.49602	0.18457	0.31162	0.49602	0.17621	0.29963	1.46899	7.62196	0.49907	0.19073	0.32036	0.49907	0.18225	0.30831
107	82	1.47959	7.49211	0.49602	0.19509	0.32649	0.49602	0.18521	0.31254	1.46899	7.21152	0.49907	0.20118	0.33497	0.49907	0.19117	0.32098
107	83	1.47959	7.05756	0.49602	0.20660	0.34245	0.49602	0.19492	0.32624	1.46899	6.80735	0.49907	0.21260	0.35066	0.49907	0.20079	0.33443
107	84	1.47959	6.63342	0.49602	0.21917	0.35954	0.49602	0.20536	0.34074	1.46899	6.41122	0.49907	0.22508	0.36745	0.49907	0.21114	0.34866
107	85	1.47959	6.22156	0.49602	0.23287	0.37776	0.49602	0.21656	0.35602	1.46899	6.02503	0.49907	0.23867	0.38536	0.49907	0.22224	0.36366
107	86	1.47959	5.82374	0.49602	0.24774	0.39710	0.49602	0.22853	0.37204	1.46899	5.65055	0.49907	0.25342	0.40436	0.49907	0.23411	0.37940
107	87	1.47959	5.44155	0.49602	0.26383	0.41750	0.49602	0.24128	0.38876	1.46899	5.28949	0.49907	0.26938	0.42442	0.49907	0.24674	0.39582
107	88	1.47959	5.07613	0.49602	0.28117	0.43892	0.49602	0.25480	0.40612	1.46899	4.94306	0.49907	0.28657	0.44548	0.49907	0.26014	0.41288
107	89	1.47959	4.72862	0.49602	0.29976	0.46126	0.49602	0.26907	0.42404	1.46899	4.61250	0.49907	0.30500	0.46743	0.49907	0.27428	0.43048
107	90	1.47959	4.40007	0.49602	0.31957	0.48436	0.49602	0.28402	0.44240	1.46899	4.29901	0.49907	0.32463	0.49014	0.49907	0.28910	0.44853
107	91	1.47959	4.09149	0.49602	0.34051	0.50803	0.49602	0.29962	0.46109	1.46899	4.00370	0.49907	0.34537	0.51342	0.49907	0.30455	0.46691

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
107	92	1.47959	3.80354	0.49602	0.36246	0.53207	0.49602	0.31578	0.47999	1.46899	3.72738	0.49907	0.36711	0.53706	0.49907	0.32056	0.48549
107	93	1.47959	3.53621	0.49602	0.38529	0.55626	0.49602	0.33245	0.49900	1.46899	3.47020	0.49907	0.38971	0.56085	0.49907	0.33707	0.50420
107	94	1.47959	3.28870	0.49602	0.40888	0.58043	0.49602	0.34957	0.51805	1.46899	3.23152	0.49907	0.41305	0.58463	0.49907	0.35404	0.52294
107	95	1.47959	3.05955	0.49602	0.43315	0.60447	0.49602	0.36712	0.53707	1.46899	3.01004	0.49907	0.43707	0.60828	0.49907	0.37142	0.54166
107	96	1.47959	2.84646	0.49602	0.45804	0.62830	0.49602	0.38497	0.55592	1.46899	2.80360	0.49907	0.46170	0.63173	0.49907	0.38911	0.56023
107	97	1.47959	2.65226	0.49602	0.48301	0.65139	0.49602	0.40289	0.57438	1.46899	2.61510	0.49907	0.48641	0.65447	0.49907	0.40687	0.57840
107	98	1.47959	2.47567	0.49602	0.50784	0.67360	0.49602	0.42081	0.59235	1.46899	2.44340	0.49907	0.51097	0.67635	0.49907	0.42461	0.59611
107	99	1.47959	2.31535	0.49602	0.53235	0.69481	0.49602	0.43863	0.60979	1.46899	2.28724	0.49907	0.53522	0.69726	0.49907	0.44227	0.61330
107	100	1.47959	2.16976	0.49602	0.55639	0.71497	0.49602	0.45631	0.62666	1.46899	2.14523	0.49907	0.55900	0.71713	0.49907	0.45979	0.62994
107	101	1.47959	2.03734	0.49602	0.57985	0.73406	0.49602	0.47378	0.64295	1.46899	2.01587	0.49907	0.58222	0.73595	0.49907	0.47710	0.64600
107	102	1.47959	1.91714	0.49602	0.60256	0.75200	0.49602	0.49096	0.65858	1.46899	1.89830	0.49907	0.60470	0.75366	0.49907	0.49413	0.66143
107	103	1.47959	1.80800	0.49602	0.62443	0.76880	0.49602	0.50778	0.67355	1.46899	1.79140	0.49907	0.62635	0.77025	0.49907	0.51081	0.67620
107	104	1.47959	1.70943	0.49602	0.64524	0.78437	0.49602	0.52411	0.68775	1.46899	1.69474	0.49907	0.64696	0.78564	0.49907	0.52699	0.69024
107	105	1.47959	1.62048	0.49602	0.66491	0.79873	0.49602	0.53984	0.70117	1.46899	1.60741	0.49907	0.66645	0.79984	0.49907	0.54261	0.70349
107	106	1.47959	1.54080	0.49602	0.68324	0.81182	0.49602	0.55481	0.71367	1.46899	1.52911	0.49907	0.68462	0.81279	0.49907	0.55745	0.71585
107	107	1.47959	1.47009	0.49602	0.70005	0.82356	0.49602	0.56876	0.72511	1.46899	1.45954	0.49907	0.70129	0.82442	0.49907	0.57131	0.72718
107	108	1.47959	1.40861	0.49602	0.71498	0.83381	0.49602	0.58127	0.73519	1.46899	1.39898	0.49907	0.71612	0.83458	0.49907	0.58374	0.73717
107	109	1.47959	1.35764	0.49602	0.72742	0.84220	0.49602	0.59161	0.74341	1.46899	1.34871	0.49907	0.72848	0.84291	0.49907	0.59403	0.74532
107	110	1.47959	1.32125	0.49602	0.73623	0.84808	0.49602	0.59879	0.74906	1.46899	1.31279	0.49907	0.73724	0.84875	0.49907	0.60118	0.75092
108	1	1.41091	26.72925	0.49175	0.05278	0.10028	0.49175	0.05278	0.10026	1.40137	22.57586	0.49488	0.06207	0.11689	0.49488	0.06206	0.11687
108	2	1.41091	26.68154	0.49175	0.05288	0.10045	0.49175	0.05287	0.10043	1.40137	22.55058	0.49488	0.06214	0.11701	0.49488	0.06213	0.11700
108	3	1.41091	26.63112	0.49175	0.05298	0.10063	0.49175	0.05297	0.10062	1.40137	22.52338	0.49488	0.06222	0.11715	0.49488	0.06221	0.11713
108	4	1.41091	26.57806	0.49175	0.05309	0.10082	0.49175	0.05308	0.10081	1.40137	22.49433	0.49488	0.06230	0.11729	0.49488	0.06229	0.11728
108	5	1.41091	26.52283	0.49175	0.05320	0.10102	0.49175	0.05319	0.10101	1.40137	22.46379	0.49488	0.06238	0.11744	0.49488	0.06238	0.11743
108	6	1.41091	26.46539	0.49175	0.05331	0.10123	0.49175	0.05331	0.10122	1.40137	22.43176	0.49488	0.06247	0.11760	0.49488	0.06247	0.11759
108	7	1.41091	26.40551	0.49175	0.05343	0.10144	0.49175	0.05343	0.10143	1.40137	22.39806	0.49488	0.06257	0.11776	0.49488	0.06256	0.11775
108	8	1.41091	26.34335	0.49175	0.05356	0.10167	0.49175	0.05355	0.10166	1.40137	22.36278	0.49488	0.06266	0.11794	0.49488	0.06266	0.11793
108	9	1.41091	26.27867	0.49175	0.05369	0.10191	0.49175	0.05368	0.10190	1.40137	22.32575	0.49488	0.06277	0.11812	0.49488	0.06276	0.11811
108	10	1.41091	26.21121	0.49175	0.05383	0.10216	0.49175	0.05382	0.10215	1.40137	22.28674	0.49488	0.06288	0.11832	0.49488	0.06287	0.11830
108	11	1.41091	26.14141	0.49175	0.05397	0.10242	0.49175	0.05397	0.10240	1.40137	22.24611	0.49488	0.06299	0.11852	0.49488	0.06299	0.11851
108	12	1.41091	26.06892	0.49175	0.05412	0.10269	0.49175	0.05411	0.10267	1.40137	22.20360	0.49488	0.06311	0.11873	0.49488	0.06311	0.11872
108	13	1.41091	25.99388	0.49175	0.05428	0.10297	0.49175	0.05427	0.10295	1.40137	22.15929	0.49488	0.06324	0.11896	0.49488	0.06323	0.11894
108	14	1.41091	25.91617	0.49175	0.05444	0.10326	0.49175	0.05443	0.10324	1.40137	22.11310	0.49488	0.06337	0.11919	0.49488	0.06336	0.11917
108	15	1.41091	25.83587	0.49175	0.05461	0.10356	0.49175	0.05460	0.10354	1.40137	22.06509	0.49488	0.06351	0.11943	0.49488	0.06350	0.11941
108	16	1.41091	25.75319	0.49175	0.05478	0.10388	0.49175	0.05477	0.10385	1.40137	22.01544	0.49488	0.06365	0.11969	0.49488	0.06363	0.11965
108	17	1.41091	25.66857	0.49175	0.05497	0.10420	0.49175	0.05495	0.10417	1.40137	21.96453	0.49488	0.06380	0.11995	0.49488	0.06378	0.11991
108	18	1.41091	25.58235	0.49175	0.05515	0.10454	0.49175	0.05513	0.10450	1.40137	21.91267	0.49488	0.06395	0.12021	0.49488	0.06393	0.12017
108	19	1.41091	25.49361	0.49175	0.05534	0.10488	0.49175	0.05532	0.10485	1.40137	21.85907	0.49488	0.06411	0.12049	0.49488	0.06409	0.12045
108	20	1.41091	25.40164	0.49175	0.05554	0.10524	0.49175	0.05552	0.10521	1.40137	21.80312	0.49488	0.06427	0.12078	0.49488	0.06425	0.12075
108	21	1.41091	25.30562	0.49175	0.05575	0.10562	0.49175	0.05574	0.10559	1.40137	21.74411	0.49488	0.06445	0.12109	0.49488	0.06443	0.12106
108	22	1.41091	25.20517	0.49175	0.05598	0.10602	0.49175	0.05596	0.10599	1.40137	21.68171	0.49488	0.06463	0.12142	0.49488	0.06462	0.12139

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
108	23	1.41091	25.09967	0.49175	0.05621	0.10644	0.49175	0.05620	0.10642	1.40137	21.61537	0.49488	0.06483	0.12177	0.49488	0.06482	0.12174
108	24	1.41091	24.98936	0.49175	0.05646	0.10688	0.49175	0.05645	0.10686	1.40137	21.54528	0.49488	0.06504	0.12214	0.49488	0.06503	0.12212
108	25	1.41091	24.87419	0.49175	0.05672	0.10735	0.49175	0.05671	0.10733	1.40137	21.47137	0.49488	0.06527	0.12253	0.49488	0.06525	0.12251
108	26	1.41091	24.75420	0.49175	0.05700	0.10784	0.49175	0.05698	0.10782	1.40137	21.39367	0.49488	0.06550	0.12295	0.49488	0.06549	0.12293
108	27	1.41091	24.62994	0.49175	0.05728	0.10836	0.49175	0.05727	0.10833	1.40137	21.31262	0.49488	0.06575	0.12339	0.49488	0.06574	0.12336
108	28	1.41091	24.50119	0.49175	0.05758	0.10890	0.49175	0.05757	0.10887	1.40137	21.22804	0.49488	0.06601	0.12385	0.49488	0.06600	0.12382
108	29	1.41091	24.36788	0.49175	0.05790	0.10946	0.49175	0.05788	0.10943	1.40137	21.13984	0.49488	0.06629	0.12434	0.49488	0.06627	0.12430
108	30	1.41091	24.23009	0.49175	0.05823	0.11005	0.49175	0.05821	0.11001	1.40137	21.04806	0.49488	0.06658	0.12484	0.49488	0.06656	0.12480
108	31	1.41091	24.08752	0.49175	0.05857	0.11066	0.49175	0.05855	0.11062	1.40137	20.95246	0.49488	0.06688	0.12538	0.49488	0.06686	0.12533
108	32	1.41091	23.94006	0.49175	0.05893	0.11131	0.49175	0.05891	0.11127	1.40137	20.85289	0.49488	0.06720	0.12594	0.49488	0.06717	0.12589
108	33	1.41091	23.78740	0.49175	0.05931	0.11198	0.49175	0.05929	0.11194	1.40137	20.74907	0.49488	0.06754	0.12653	0.49488	0.06751	0.12648
108	34	1.41091	23.62942	0.49175	0.05971	0.11269	0.49175	0.05968	0.11264	1.40137	20.64088	0.49488	0.06789	0.12715	0.49488	0.06786	0.12710
108	35	1.41091	23.46579	0.49175	0.06012	0.11343	0.49175	0.06010	0.11338	1.40137	20.52800	0.49488	0.06826	0.12780	0.49488	0.06823	0.12775
108	36	1.41091	23.29632	0.49175	0.06056	0.11421	0.49175	0.06053	0.11415	1.40137	20.41023	0.49488	0.06866	0.12849	0.49488	0.06862	0.12843
108	37	1.41091	23.12089	0.49175	0.06102	0.11502	0.49175	0.06099	0.11497	1.40137	20.28745	0.49488	0.06907	0.12922	0.49488	0.06904	0.12916
108	38	1.41091	22.93911	0.49175	0.06150	0.11588	0.49175	0.06147	0.11582	1.40137	20.15926	0.49488	0.06951	0.12999	0.49488	0.06947	0.12992
108	39	1.41091	22.75087	0.49175	0.06201	0.11678	0.49175	0.06198	0.11672	1.40137	20.02555	0.49488	0.06998	0.13080	0.49488	0.06994	0.13073
108	40	1.41091	22.55572	0.49175	0.06255	0.11773	0.49175	0.06251	0.11767	1.40137	19.88587	0.49488	0.07047	0.13166	0.49488	0.07043	0.13158
108	41	1.41091	22.35340	0.49175	0.06312	0.11874	0.49175	0.06307	0.11866	1.40137	19.73995	0.49488	0.07099	0.13257	0.49488	0.07094	0.13249
108	42	1.41091	22.14385	0.49175	0.06371	0.11979	0.49175	0.06367	0.11972	1.40137	19.58769	0.49488	0.07154	0.13353	0.49488	0.07149	0.13344
108	43	1.41091	21.92669	0.49175	0.06434	0.12091	0.49175	0.06430	0.12083	1.40137	19.42870	0.49488	0.07212	0.13455	0.49488	0.07207	0.13346
108	44	1.41091	21.70178	0.49175	0.06501	0.12208	0.49175	0.06496	0.12200	1.40137	19.26280	0.49488	0.07275	0.13563	0.49488	0.07269	0.13353
108	45	1.41091	21.46876	0.49175	0.06572	0.12333	0.49175	0.06566	0.12323	1.40137	19.08963	0.49488	0.07341	0.13677	0.49488	0.07335	0.13367
108	46	1.41091	21.22763	0.49175	0.06646	0.12464	0.49175	0.06640	0.12453	1.40137	18.90911	0.49488	0.07411	0.13799	0.49488	0.07404	0.13378
108	47	1.41091	20.97813	0.49175	0.06725	0.12603	0.49175	0.06719	0.12591	1.40137	18.72094	0.49488	0.07485	0.13927	0.49488	0.07478	0.133915
108	48	1.41091	20.72003	0.49175	0.06809	0.12750	0.49175	0.06802	0.12737	1.40137	18.52488	0.49488	0.07564	0.14064	0.49488	0.07556	0.14051
108	49	1.41091	20.45326	0.49175	0.06898	0.12905	0.49175	0.06889	0.12891	1.40137	18.32076	0.49488	0.07648	0.14210	0.49488	0.07639	0.14194
108	50	1.41091	20.17742	0.49175	0.06992	0.13070	0.49175	0.06982	0.13053	1.40137	18.10816	0.49488	0.07738	0.14364	0.49488	0.07728	0.14346
108	51	1.41091	19.89339	0.49175	0.07091	0.13244	0.49175	0.07080	0.13224	1.40137	17.88781	0.49488	0.07833	0.14528	0.49488	0.07821	0.14507
108	52	1.41091	19.60122	0.49175	0.07197	0.13428	0.49175	0.07184	0.13405	1.40137	17.65967	0.49488	0.07934	0.14702	0.49488	0.07920	0.14677
108	53	1.41091	19.30125	0.49175	0.07309	0.13622	0.49175	0.07293	0.13595	1.40137	17.42398	0.49488	0.08041	0.14886	0.49488	0.08024	0.14857
108	54	1.41091	18.99375	0.49175	0.07427	0.13827	0.49175	0.07409	0.13795	1.40137	17.18091	0.49488	0.08155	0.15080	0.49488	0.08135	0.15046
108	55	1.41091	18.67912	0.49175	0.07552	0.14043	0.49175	0.07530	0.14006	1.40137	16.93076	0.49488	0.08275	0.15285	0.49488	0.08252	0.15246
108	56	1.41091	18.35803	0.49175	0.07684	0.14271	0.49175	0.07660	0.14229	1.40137	16.67407	0.49488	0.08402	0.15502	0.49488	0.08376	0.15458
108	57	1.41091	18.02853	0.49175	0.07824	0.14512	0.49175	0.07797	0.14466	1.40137	16.40902	0.49488	0.08538	0.15732	0.49488	0.08509	0.15683
108	58	1.41091	17.69065	0.49175	0.07973	0.14768	0.49175	0.07943	0.14716	1.40137	16.13552	0.49488	0.08682	0.15977	0.49488	0.08650	0.15922
108	59	1.41091	17.34441	0.49175	0.08132	0.15040	0.49175	0.08098	0.14982	1.40137	15.85354	0.49488	0.08836	0.16237	0.49488	0.08800	0.16176
108	60	1.41091	16.98967	0.49175	0.08301	0.15330	0.49175	0.08263	0.15265	1.40137	15.56284	0.49488	0.09001	0.16515	0.49488	0.08960	0.16447
108	61	1.41091	16.62627	0.49175	0.08482	0.15638	0.49175	0.08439	0.15565	1.40137	15.26320	0.49488	0.09177	0.16811	0.49488	0.09131	0.16735
108	62	1.41091	16.25423	0.49175	0.08676	0.15966	0.49175	0.08628	0.15885	1.40137	14.95454	0.49488	0.09366	0.17127	0.49488	0.09315	0.17043
108	63	1.41091	15.87341	0.49175	0.08883	0.16317	0.49175	0.08830	0.16227	1.40137	14.63664	0.49488	0.09568	0.17466	0.49488	0.09512	0.17371

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
108	64	1.41091	15.48353	0.49175	0.09106	0.16693	0.49175	0.09046	0.16592	1.40137	14.30913	0.49488	0.09787	0.17828	0.49488	0.09723	0.17723
108	65	1.41091	15.08480	0.49175	0.09346	0.17095	0.49175	0.09279	0.16982	1.40137	13.97213	0.49488	0.10022	0.18218	0.49488	0.09951	0.18100
108	66	1.41091	14.67724	0.49175	0.09605	0.17526	0.49175	0.09528	0.17399	1.40137	13.62552	0.49488	0.10276	0.18636	0.49488	0.10195	0.18504
108	67	1.41091	14.26104	0.49175	0.09884	0.17990	0.49175	0.09797	0.17846	1.40137	13.26940	0.49488	0.10550	0.19087	0.49488	0.10459	0.18938
108	68	1.41091	13.83657	0.49175	0.10186	0.18488	0.49175	0.10087	0.18325	1.40137	12.90401	0.49488	0.10847	0.19572	0.49488	0.10744	0.19403
108	69	1.41091	13.40435	0.49175	0.10512	0.19025	0.49175	0.10399	0.18838	1.40137	12.52973	0.49488	0.11169	0.20094	0.49488	0.11051	0.19902
108	70	1.41091	12.96501	0.49175	0.10866	0.19603	0.49175	0.10735	0.19389	1.40137	12.14706	0.49488	0.11519	0.20658	0.49488	0.11382	0.20438
108	71	1.41091	12.51927	0.49175	0.11251	0.20226	0.49175	0.11099	0.19980	1.40137	11.75658	0.49488	0.11899	0.21267	0.49488	0.11741	0.21014
108	72	1.41091	12.06792	0.49175	0.11668	0.20898	0.49175	0.11491	0.20614	1.40137	11.35893	0.49488	0.12311	0.21924	0.49488	0.12128	0.21633
108	73	1.41091	11.61185	0.49175	0.12122	0.21623	0.49175	0.11916	0.21295	1.40137	10.95491	0.49488	0.12761	0.22634	0.49488	0.12548	0.22298
108	74	1.41091	11.15217	0.49175	0.12617	0.22406	0.49175	0.12375	0.22025	1.40137	10.54549	0.49488	0.13251	0.23401	0.49488	0.13002	0.23012
108	75	1.41091	10.68986	0.49175	0.13156	0.23252	0.49175	0.12872	0.22809	1.40137	10.13154	0.49488	0.13785	0.24230	0.49488	0.13493	0.23778
108	76	1.41091	10.22626	0.49175	0.13744	0.24166	0.49175	0.13410	0.23649	1.40137	9.71428	0.49488	0.14368	0.25126	0.49488	0.14026	0.24601
108	77	1.41091	9.76277	0.49175	0.14386	0.25153	0.49175	0.13993	0.24551	1.40137	9.29502	0.49488	0.15005	0.26095	0.49488	0.14603	0.25484
108	78	1.41091	9.30064	0.49175	0.15088	0.26219	0.49175	0.14624	0.25517	1.40137	8.87492	0.49488	0.15702	0.27142	0.49488	0.15228	0.26432
108	79	1.41091	8.84103	0.49175	0.15856	0.27371	0.49175	0.15308	0.26552	1.40137	8.45509	0.49488	0.16464	0.28273	0.49488	0.15906	0.27446
108	80	1.41091	8.38551	0.49175	0.16696	0.28614	0.49175	0.16049	0.27660	1.40137	8.03703	0.49488	0.17299	0.29495	0.49488	0.16640	0.28533
108	81	1.41091	7.93532	0.49175	0.17616	0.29956	0.49175	0.16851	0.28843	1.40137	7.62196	0.49488	0.18213	0.30814	0.49488	0.17435	0.29694
108	82	1.41091	7.49211	0.49175	0.18625	0.31401	0.49175	0.17719	0.30104	1.40137	7.21152	0.49488	0.19214	0.32234	0.49488	0.18295	0.30932
108	83	1.41091	7.05756	0.49175	0.19728	0.32954	0.49175	0.18655	0.31444	1.40137	6.80735	0.49488	0.20309	0.33762	0.49488	0.19224	0.32249
108	84	1.41091	6.63342	0.49175	0.20934	0.34620	0.49175	0.19664	0.32865	1.40137	6.41122	0.49488	0.21507	0.35400	0.49488	0.20224	0.33644
108	85	1.41091	6.22156	0.49175	0.22248	0.36399	0.49175	0.20748	0.34366	1.40137	6.02503	0.49488	0.22812	0.37149	0.49488	0.21299	0.35118
108	86	1.41091	5.82374	0.49175	0.23678	0.38289	0.49175	0.21908	0.35942	1.40137	5.65055	0.49488	0.24231	0.39009	0.49488	0.22450	0.36667
108	87	1.41091	5.44155	0.49175	0.25226	0.40289	0.49175	0.23145	0.37590	1.40137	5.28949	0.49488	0.25768	0.40976	0.49488	0.23676	0.38288
108	88	1.41091	5.07613	0.49175	0.26898	0.42393	0.49175	0.24459	0.39305	1.40137	4.94306	0.49488	0.27426	0.43046	0.49488	0.24980	0.39974
108	89	1.41091	4.72862	0.49175	0.28693	0.44591	0.49175	0.25848	0.41078	1.40137	4.61250	0.49488	0.29206	0.45209	0.49488	0.26357	0.41718
108	90	1.41091	4.40007	0.49175	0.30609	0.46871	0.49175	0.27308	0.42900	1.40137	4.29901	0.49488	0.31106	0.47452	0.49488	0.27804	0.43510
108	91	1.41091	4.09149	0.49175	0.32639	0.49215	0.49175	0.28832	0.44759	1.40137	4.00370	0.49488	0.33118	0.49758	0.49488	0.29315	0.45339
108	92	1.41091	3.80354	0.49175	0.34772	0.51601	0.49175	0.30415	0.46643	1.40137	3.72738	0.49488	0.35232	0.52106	0.49488	0.30884	0.47193
108	93	1.41091	3.53621	0.49175	0.36995	0.54010	0.49175	0.32051	0.48543	1.40137	3.47020	0.49488	0.37434	0.54475	0.49488	0.32505	0.49062
108	94	1.41091	3.28870	0.49175	0.39299	0.56424	0.49175	0.33735	0.50450	1.40137	3.23152	0.49488	0.39715	0.56852	0.49488	0.34174	0.50940
108	95	1.41091	3.05955	0.49175	0.41676	0.58833	0.49175	0.35464	0.52360	1.40137	3.01004	0.49488	0.42069	0.59223	0.49488	0.35888	0.52820
108	96	1.41091	2.84646	0.49175	0.44123	0.61229	0.49175	0.37228	0.54257	1.40137	2.80360	0.49488	0.44491	0.61583	0.49488	0.37636	0.54690
108	97	1.41091	2.65226	0.49175	0.46584	0.63560	0.49175	0.39002	0.56118	1.40137	2.61510	0.49488	0.46927	0.63878	0.49488	0.39395	0.56523
108	98	1.41091	2.47567	0.49175	0.49041	0.65808	0.49175	0.40779	0.57934	1.40137	2.44340	0.49488	0.49359	0.66094	0.49488	0.41157	0.58314
108	99	1.41091	2.31535	0.49175	0.51473	0.67964	0.49175	0.42551	0.59700	1.40137	2.28724	0.49488	0.51767	0.68219	0.49488	0.42913	0.60055
108	100	1.41091	2.16976	0.49175	0.53868	0.70018	0.49175	0.44312	0.61412	1.40137	2.14523	0.49488	0.54137	0.70245	0.49488	0.44659	0.61744
108	101	1.41091	2.03734	0.49175	0.56213	0.71970	0.49175	0.46057	0.63067	1.40137	2.01587	0.49488	0.56459	0.72171	0.49488	0.46388	0.63377
108	102	1.41091	1.91714	0.49175	0.58492	0.73811	0.49175	0.47776	0.64660	1.40137	1.89830	0.49488	0.58715	0.73988	0.49488	0.48092	0.64949
108	103	1.41091	1.80800	0.49175	0.60694	0.75539	0.49175	0.49462	0.66186	1.40137	1.79140	0.49488	0.60895	0.75695	0.49488	0.49764	0.66457
108	104	1.41091	1.70943	0.49175	0.62796	0.77147	0.49175	0.51101	0.67639	1.40137	1.69474	0.49488	0.62978	0.77284	0.49488	0.51391	0.67891

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

Retiree	Beneficiary	Retiree Annuity	Beneficiary Annuity Value	Option 1 Factor	Option 2 Factor	Option 3 Factor	Option 4 Factor	Option 5 Factor	Option 6 Factor	Retiree Annuity	Beneficiary Annuity Value	Option 1 Factor	Option 2 Factor	Option 3 Factor	Option 4 Factor	Option 5 Factor	Option 6 Factor
108	105	1.41091	1.62048	0.49175	0.64791	0.78634	0.49175	0.52685	0.69012	1.40137	1.60741	0.49488	0.64955	0.78754	0.49488	0.52962	0.69249
108	106	1.41091	1.54080	0.49175	0.66657	0.79993	0.49175	0.54194	0.70294	1.40137	1.52911	0.49488	0.66804	0.80099	0.49488	0.54460	0.70517
108	107	1.41091	1.47009	0.49175	0.68373	0.81216	0.49175	0.55605	0.71469	1.40137	1.45954	0.49488	0.68507	0.81310	0.49488	0.55861	0.71681
108	108	1.41091	1.40861	0.49175	0.69902	0.82285	0.49175	0.56873	0.72508	1.40137	1.39898	0.49488	0.70025	0.82371	0.49488	0.57122	0.72710
108	109	1.41091	1.35764	0.49175	0.71181	0.83165	0.49175	0.57925	0.73358	1.40137	1.34871	0.49488	0.71296	0.83243	0.49488	0.58169	0.73553
108	110	1.41091	1.32125	0.49175	0.72090	0.83782	0.49175	0.58657	0.73942	1.40137	1.31279	0.49488	0.72200	0.83856	0.49488	0.58898	0.74133
109	1	1.35145	26.72925	0.48780	0.05056	0.09625	0.48780	0.05055	0.09624	1.34276	22.57586	0.49102	0.05948	0.11228	0.49102	0.05947	0.11226
109	2	1.35145	26.68154	0.48780	0.05065	0.09642	0.48780	0.05064	0.09641	1.34276	22.55058	0.49102	0.05954	0.11239	0.49102	0.05954	0.11238
109	3	1.35145	26.63112	0.48780	0.05075	0.09659	0.48780	0.05074	0.09658	1.34276	22.52338	0.49102	0.05962	0.11252	0.49102	0.05961	0.11251
109	4	1.35145	26.57806	0.48780	0.05085	0.09678	0.48780	0.05084	0.09677	1.34276	22.49433	0.49102	0.05969	0.11266	0.49102	0.05969	0.11265
109	5	1.35145	26.52283	0.48780	0.05095	0.09697	0.48780	0.05095	0.09696	1.34276	22.46379	0.49102	0.05977	0.11280	0.49102	0.05977	0.11279
109	6	1.35145	26.46539	0.48780	0.05106	0.09717	0.48780	0.05106	0.09716	1.34276	22.43176	0.49102	0.05986	0.11296	0.49102	0.05985	0.11295
109	7	1.35145	26.40551	0.48780	0.05118	0.09738	0.48780	0.05118	0.09737	1.34276	22.39806	0.49102	0.05995	0.11312	0.49102	0.05994	0.11311
109	8	1.35145	26.34335	0.48780	0.05130	0.09760	0.48780	0.05130	0.09759	1.34276	22.36278	0.49102	0.06004	0.11329	0.49102	0.06004	0.11327
109	9	1.35145	26.27867	0.48780	0.05143	0.09782	0.48780	0.05142	0.09781	1.34276	22.32575	0.49102	0.06014	0.11346	0.49102	0.06014	0.11345
109	10	1.35145	26.21121	0.48780	0.05156	0.09806	0.48780	0.05155	0.09805	1.34276	22.28674	0.49102	0.06025	0.11365	0.49102	0.06024	0.11364
109	11	1.35145	26.14141	0.48780	0.05170	0.09831	0.48780	0.05169	0.09830	1.34276	22.24611	0.49102	0.06036	0.11385	0.49102	0.06035	0.11383
109	12	1.35145	26.06892	0.48780	0.05184	0.09857	0.48780	0.05183	0.09856	1.34276	22.20360	0.49102	0.06047	0.11405	0.49102	0.06047	0.11404
109	13	1.35145	25.99388	0.48780	0.05199	0.09884	0.48780	0.05198	0.09883	1.34276	22.15929	0.49102	0.06060	0.11427	0.49102	0.06059	0.11425
109	14	1.35145	25.91617	0.48780	0.05215	0.09912	0.48780	0.05214	0.09911	1.34276	22.11310	0.49102	0.06072	0.11449	0.49102	0.06071	0.11447
109	15	1.35145	25.83587	0.48780	0.05231	0.09942	0.48780	0.05230	0.09940	1.34276	22.06509	0.49102	0.06085	0.11473	0.49102	0.06084	0.11470
109	16	1.35145	25.75319	0.48780	0.05248	0.09972	0.48780	0.05246	0.09969	1.34276	22.01544	0.49102	0.06099	0.11497	0.49102	0.06097	0.11494
109	17	1.35145	25.66857	0.48780	0.05265	0.10003	0.48780	0.05263	0.10000	1.34276	21.96453	0.49102	0.06113	0.11522	0.49102	0.06111	0.11519
109	18	1.35145	25.58235	0.48780	0.05283	0.10035	0.48780	0.05281	0.10032	1.34276	21.91267	0.49102	0.06128	0.11548	0.49102	0.06126	0.11544
109	19	1.35145	25.49361	0.48780	0.05301	0.10068	0.48780	0.05299	0.10065	1.34276	21.85907	0.49102	0.06143	0.11574	0.49102	0.06141	0.11571
109	20	1.35145	25.40164	0.48780	0.05320	0.10103	0.48780	0.05319	0.10100	1.34276	21.80312	0.49102	0.06158	0.11602	0.49102	0.06157	0.11599
109	21	1.35145	25.30562	0.48780	0.05340	0.10139	0.48780	0.05339	0.10137	1.34276	21.74411	0.49102	0.06175	0.11632	0.49102	0.06173	0.11629
109	22	1.35145	25.20517	0.48780	0.05362	0.10178	0.48780	0.05360	0.10175	1.34276	21.68171	0.49102	0.06193	0.11664	0.49102	0.06191	0.11661
109	23	1.35145	25.09967	0.48780	0.05384	0.10218	0.48780	0.05383	0.10216	1.34276	21.61537	0.49102	0.06212	0.11697	0.49102	0.06211	0.11695
109	24	1.35145	24.98936	0.48780	0.05408	0.10261	0.48780	0.05407	0.10259	1.34276	21.54528	0.49102	0.06232	0.11733	0.49102	0.06231	0.11731
109	25	1.35145	24.87419	0.48780	0.05433	0.10306	0.48780	0.05432	0.10304	1.34276	21.47137	0.49102	0.06254	0.11771	0.49102	0.06252	0.11769
109	26	1.35145	24.75420	0.48780	0.05459	0.10354	0.48780	0.05458	0.10351	1.34276	21.39367	0.49102	0.06276	0.11811	0.49102	0.06275	0.11809
109	27	1.35145	24.62994	0.48780	0.05487	0.10403	0.48780	0.05486	0.10401	1.34276	21.31262	0.49102	0.06300	0.11854	0.49102	0.06299	0.11851
109	28	1.35145	24.50119	0.48780	0.05516	0.10455	0.48780	0.05514	0.10452	1.34276	21.22804	0.49102	0.06325	0.11898	0.49102	0.06324	0.11895
109	29	1.35145	24.36788	0.48780	0.05546	0.10509	0.48780	0.05544	0.10506	1.34276	21.13984	0.49102	0.06352	0.11945	0.49102	0.06350	0.11941
109	30	1.35145	24.23009	0.48780	0.05577	0.10566	0.48780	0.05576	0.10562	1.34276	21.04806	0.49102	0.06379	0.11994	0.49102	0.06377	0.11990
109	31	1.35145	24.08752	0.48780	0.05610	0.10625	0.48780	0.05608	0.10621	1.34276	20.95246	0.49102	0.06408	0.12045	0.49102	0.06406	0.12041
109	32	1.35145	23.94006	0.48780	0.05645	0.10687	0.48780	0.05643	0.10683	1.34276	20.85289	0.49102	0.06439	0.12099	0.49102	0.06437	0.12095
109	33	1.35145	23.78740	0.48780	0.05681	0.10752	0.48780	0.05679	0.10747	1.34276	20.74907	0.49102	0.06471	0.12156	0.49102	0.06469	0.12151
109	34	1.35145	23.62942	0.48780	0.05719	0.10820	0.48780	0.05717	0.10815	1.34276	20.64088	0.49102	0.06505	0.12216	0.49102	0.06502	0.12211
109	35	1.35145	23.46579	0.48780	0.05759	0.10891	0.48780	0.05756	0.10886	1.34276	20.52800	0.49102	0.06541	0.12279	0.49102	0.06538	0.12273

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Beneficiary</u>		<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
109	36	1.35145	23.29632	0.48780	0.05801	0.10966	0.48780	0.05798	0.10961	1.34276	20.41023	0.49102	0.06579	0.12345	0.49102	0.06575	0.12340		
109	37	1.35145	23.12089	0.48780	0.05845	0.11044	0.48780	0.05842	0.11039	1.34276	20.28745	0.49102	0.06618	0.12415	0.49102	0.06615	0.12409		
109	38	1.35145	22.93911	0.48780	0.05891	0.11127	0.48780	0.05888	0.11121	1.34276	20.15926	0.49102	0.06660	0.12489	0.49102	0.06657	0.12483		
109	39	1.35145	22.75087	0.48780	0.05940	0.11214	0.48780	0.05937	0.11208	1.34276	20.02555	0.49102	0.06705	0.12567	0.49102	0.06701	0.12561		
109	40	1.35145	22.55572	0.48780	0.05991	0.11305	0.48780	0.05988	0.11299	1.34276	19.88587	0.49102	0.06752	0.12650	0.49102	0.06748	0.12643		
109	41	1.35145	22.35340	0.48780	0.06046	0.11402	0.48780	0.06042	0.11395	1.34276	19.73995	0.49102	0.06802	0.12737	0.49102	0.06798	0.12730		
109	42	1.35145	22.14385	0.48780	0.06103	0.11504	0.48780	0.06099	0.11496	1.34276	19.58769	0.49102	0.06855	0.12830	0.49102	0.06850	0.12822		
109	43	1.35145	21.92669	0.48780	0.06163	0.11611	0.48780	0.06159	0.11603	1.34276	19.42870	0.49102	0.06911	0.12928	0.49102	0.06906	0.12920		
109	44	1.35145	21.70178	0.48780	0.06227	0.11724	0.48780	0.06222	0.11716	1.34276	19.26280	0.49102	0.06970	0.13032	0.49102	0.06965	0.13023		
109	45	1.35145	21.46876	0.48780	0.06295	0.11844	0.48780	0.06290	0.11835	1.34276	19.08963	0.49102	0.07034	0.13143	0.49102	0.07028	0.13133		
109	46	1.35145	21.22763	0.48780	0.06366	0.11970	0.48780	0.06361	0.11961	1.34276	18.90911	0.49102	0.07101	0.13260	0.49102	0.07095	0.13249		
109	47	1.35145	20.97813	0.48780	0.06442	0.12104	0.48780	0.06436	0.12093	1.34276	18.72094	0.49102	0.07172	0.13384	0.49102	0.07165	0.13373		
109	48	1.35145	20.72003	0.48780	0.06522	0.12245	0.48780	0.06515	0.12233	1.34276	18.52488	0.49102	0.07248	0.13516	0.49102	0.07241	0.13503		
109	49	1.35145	20.45326	0.48780	0.06607	0.12395	0.48780	0.06599	0.12382	1.34276	18.32076	0.49102	0.07328	0.13656	0.49102	0.07320	0.13642		
109	50	1.35145	20.17742	0.48780	0.06697	0.12554	0.48780	0.06688	0.12538	1.34276	18.10816	0.49102	0.07414	0.13805	0.49102	0.07405	0.13789		
109	51	1.35145	19.89339	0.48780	0.06793	0.12721	0.48780	0.06782	0.12703	1.34276	17.88781	0.49102	0.07506	0.13963	0.49102	0.07494	0.13944		
109	52	1.35145	19.60122	0.48780	0.06894	0.12898	0.48780	0.06882	0.12877	1.34276	17.65967	0.49102	0.07602	0.14131	0.49102	0.07589	0.14108		
109	53	1.35145	19.30125	0.48780	0.07001	0.13086	0.48780	0.06986	0.13060	1.34276	17.42398	0.49102	0.07705	0.14308	0.49102	0.07690	0.14281		
109	54	1.35145	18.99375	0.48780	0.07114	0.13283	0.48780	0.07097	0.13254	1.34276	17.18091	0.49102	0.07814	0.14495	0.49102	0.07796	0.14464		
109	55	1.35145	18.67912	0.48780	0.07234	0.13491	0.48780	0.07214	0.13457	1.34276	16.93076	0.49102	0.07929	0.14693	0.49102	0.07908	0.14657		
109	56	1.35145	18.35803	0.48780	0.07360	0.13711	0.48780	0.07338	0.13673	1.34276	16.67407	0.49102	0.08051	0.14902	0.49102	0.08027	0.14862		
109	57	1.35145	18.02853	0.48780	0.07494	0.13943	0.48780	0.07469	0.13901	1.34276	16.40902	0.49102	0.08181	0.15124	0.49102	0.08154	0.15079		
109	58	1.35145	17.69065	0.48780	0.07637	0.14190	0.48780	0.07609	0.14142	1.34276	16.13552	0.49102	0.08319	0.15360	0.49102	0.08289	0.15310		
109	59	1.35145	17.34441	0.48780	0.07789	0.14453	0.48780	0.07758	0.14399	1.34276	15.85354	0.49102	0.08467	0.15612	0.49102	0.08433	0.15555		
109	60	1.35145	16.98967	0.48780	0.07952	0.14732	0.48780	0.07917	0.14672	1.34276	15.56284	0.49102	0.08624	0.15879	0.49102	0.08587	0.15816		
109	61	1.35145	16.62627	0.48780	0.08125	0.15029	0.48780	0.08086	0.14962	1.34276	15.26320	0.49102	0.08793	0.16165	0.49102	0.08752	0.16095		
109	62	1.35145	16.25423	0.48780	0.08310	0.15346	0.48780	0.08267	0.15271	1.34276	14.95454	0.49102	0.08974	0.16471	0.49102	0.08928	0.16392		
109	63	1.35145	15.87341	0.48780	0.08509	0.15684	0.48780	0.08460	0.15601	1.34276	14.63664	0.49102	0.09169	0.16797	0.49102	0.09117	0.16710		
109	64	1.35145	15.48353	0.48780	0.08723	0.16046	0.48780	0.08668	0.15953	1.34276	14.30913	0.49102	0.09378	0.17148	0.49102	0.09320	0.17050		
109	65	1.35145	15.08480	0.48780	0.08953	0.16434	0.48780	0.08891	0.16330	1.34276	13.97213	0.49102	0.09603	0.17524	0.49102	0.09538	0.17415		
109	66	1.35145	14.67724	0.48780	0.09201	0.16851	0.48780	0.09130	0.16733	1.34276	13.62552	0.49102	0.09847	0.17928	0.49102	0.09773	0.17805		
109	67	1.35145	14.26104	0.48780	0.09468	0.17298	0.48780	0.09388	0.17165	1.34276	13.26940	0.49102	0.10110	0.18363	0.49102	0.10026	0.18225		
109	68	1.35145	13.83657	0.48780	0.09757	0.17780	0.48780	0.09666	0.17628	1.34276	12.90401	0.49102	0.10395	0.18832	0.49102	0.10299	0.18675		
109	69	1.35145	13.40435	0.48780	0.10070	0.18298	0.48780	0.09966	0.18125	1.34276	12.52973	0.49102	0.10703	0.19337	0.49102	0.10594	0.19159		
109	70	1.35145	12.96501	0.48780	0.10410	0.18857	0.48780	0.10289	0.18659	1.34276	12.14706	0.49102	0.11039	0.19882	0.49102	0.10913	0.19678		
109	71	1.35145	12.51927	0.48780	0.10778	0.19459	0.48780	0.10638	0.19231	1.34276	11.75658	0.49102	0.11403	0.20471	0.49102	0.11257	0.20237		
109	72	1.35145	12.06792	0.48780	0.11178	0.20109	0.48780	0.11016	0.19845	1.34276	11.35893	0.49102	0.11799	0.21107	0.49102	0.11630	0.20837		
109	73	1.35145	11.61185	0.48780	0.11614	0.20810	0.48780	0.11424	0.20505	1.34276	10.95491	0.49102	0.12230	0.21794	0.49102	0.12033	0.21482		
109	74	1.35145	11.15217	0.48780	0.12088	0.21568	0.48780	0.11865	0.21214	1.34276	10.54549	0.49102	0.12700	0.22537	0.49102	0.12470	0.22175		
109	75	1.35145	10.68986	0.48780	0.12605	0.22388	0.48780	0.12344	0.21975	1.34276	10.13154	0.49102	0.13212	0.23341	0.49102	0.12943	0.22920		
109	76	1.35145	10.22626	0.48780	0.13169	0.23273	0.48780	0.12862	0.22792	1.34276	9.71428	0.49102	0.13772	0.24210	0.49102	0.13456	0.23720		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>		<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>		<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
109	77	1.35145	9.76277	0.48780	0.13785	0.24230	0.48780	0.13423	0.23668	1.34276	9.29502	0.49102	0.14384	0.25150	0.49102	0.14012	0.24580		
109	78	1.35145	9.30064	0.48780	0.14458	0.25264	0.48780	0.14031	0.24609	1.34276	8.87492	0.49102	0.15052	0.26166	0.49102	0.14615	0.25502		
109	79	1.35145	8.84103	0.48780	0.15196	0.26382	0.48780	0.14690	0.25618	1.34276	8.45509	0.49102	0.15784	0.27265	0.49102	0.15269	0.26492		
109	80	1.35145	8.38551	0.48780	0.16003	0.27590	0.48780	0.15405	0.26698	1.34276	8.03703	0.49102	0.16586	0.28453	0.49102	0.15977	0.27553		
109	81	1.35145	7.93532	0.48780	0.16887	0.28895	0.48780	0.16180	0.27853	1.34276	7.62196	0.49102	0.17465	0.29736	0.49102	0.16745	0.28687		
109	82	1.35145	7.49211	0.48780	0.17856	0.30302	0.48780	0.17018	0.29086	1.34276	7.21152	0.49102	0.18427	0.31120	0.49102	0.17577	0.29899		
109	83	1.35145	7.05756	0.48780	0.18917	0.31816	0.48780	0.17924	0.30399	1.34276	6.80735	0.49102	0.19482	0.32610	0.49102	0.18475	0.31189		
109	84	1.35145	6.63342	0.48780	0.20078	0.33441	0.48780	0.18900	0.31792	1.34276	6.41122	0.49102	0.20634	0.34210	0.49102	0.19445	0.32558		
109	85	1.35145	6.22156	0.48780	0.21344	0.35179	0.48780	0.19951	0.33265	1.34276	6.02503	0.49102	0.21892	0.35921	0.49102	0.20487	0.34007		
109	86	1.35145	5.82374	0.48780	0.22722	0.37030	0.48780	0.21077	0.34816	1.34276	5.65055	0.49102	0.23261	0.37743	0.49102	0.21604	0.35532		
109	87	1.35145	5.44155	0.48780	0.24217	0.38991	0.48780	0.22279	0.36440	1.34276	5.28949	0.49102	0.24745	0.39673	0.49102	0.22797	0.37130		
109	88	1.35145	5.07613	0.48780	0.25832	0.41058	0.48780	0.23559	0.38133	1.34276	4.94306	0.49102	0.26348	0.41707	0.49102	0.24066	0.38795		
109	89	1.35145	4.72862	0.48780	0.27569	0.43222	0.48780	0.24913	0.39888	1.34276	4.61250	0.49102	0.28072	0.43838	0.49102	0.25409	0.40522		
109	90	1.35145	4.40007	0.48780	0.29426	0.45472	0.48780	0.26338	0.41694	1.34276	4.29901	0.49102	0.29914	0.46053	0.49102	0.26823	0.42300		
109	91	1.35145	4.09149	0.48780	0.31397	0.47790	0.48780	0.27829	0.43541	1.34276	4.00370	0.49102	0.31869	0.48334	0.49102	0.28301	0.44117		
109	92	1.35145	3.80354	0.48780	0.33472	0.50156	0.48780	0.29379	0.45416	1.34276	3.72738	0.49102	0.33926	0.50664	0.49102	0.29839	0.45963		
109	93	1.35145	3.53621	0.48780	0.35640	0.52551	0.48780	0.30985	0.47310	1.34276	3.47020	0.49102	0.36074	0.53021	0.49102	0.31431	0.47829		
109	94	1.35145	3.28870	0.48780	0.37891	0.54958	0.48780	0.32641	0.49217	1.34276	3.23152	0.49102	0.38304	0.55391	0.49102	0.33073	0.49707		
109	95	1.35145	3.05955	0.48780	0.40219	0.57366	0.48780	0.34344	0.51129	1.34276	3.01004	0.49102	0.40610	0.57763	0.49102	0.34762	0.51591		
109	96	1.35145	2.84646	0.48780	0.42622	0.59770	0.48780	0.36086	0.53034	1.34276	2.80360	0.49102	0.42991	0.60131	0.49102	0.36489	0.53468		
109	97	1.35145	2.65226	0.48780	0.45047	0.62114	0.48780	0.37841	0.54905	1.34276	2.61510	0.49102	0.45392	0.62441	0.49102	0.38229	0.55313		
109	98	1.35145	2.47567	0.48780	0.47474	0.64383	0.48780	0.39602	0.56736	1.34276	2.44340	0.49102	0.47795	0.64678	0.49102	0.39976	0.57118		
109	99	1.35145	2.31535	0.48780	0.49885	0.66564	0.48780	0.41362	0.58519	1.34276	2.28724	0.49102	0.50182	0.66829	0.49102	0.41720	0.58877		
109	100	1.35145	2.16976	0.48780	0.52265	0.68650	0.48780	0.43114	0.60251	1.34276	2.14523	0.49102	0.52539	0.68886	0.49102	0.43458	0.60586		
109	101	1.35145	2.03734	0.48780	0.54604	0.70637	0.48780	0.44853	0.61929	1.34276	2.01587	0.49102	0.54855	0.70847	0.49102	0.45182	0.62242		
109	102	1.35145	1.91714	0.48780	0.56884	0.72517	0.48780	0.46569	0.63545	1.34276	1.89830	0.49102	0.57113	0.72703	0.49102	0.46884	0.63838		
109	103	1.35145	1.80800	0.48780	0.59093	0.74287	0.48780	0.48256	0.65098	1.34276	1.79140	0.49102	0.59301	0.74452	0.49102	0.48558	0.65372		
109	104	1.35145	1.70943	0.48780	0.61210	0.75938	0.48780	0.49899	0.66577	1.34276	1.69474	0.49102	0.61399	0.76083	0.49102	0.50188	0.66834		
109	105	1.35145	1.62048	0.48780	0.63224	0.77469	0.48780	0.51490	0.67978	1.34276	1.60741	0.49102	0.63396	0.77598	0.49102	0.51767	0.68219		
109	106	1.35145	1.54080	0.48780	0.65115	0.78872	0.48780	0.53008	0.69288	1.34276	1.52911	0.49102	0.65270	0.78986	0.49102	0.53275	0.69515		
109	107	1.35145	1.47009	0.48780	0.66858	0.80138	0.48780	0.54431	0.70492	1.34276	1.45954	0.49102	0.67000	0.80240	0.49102	0.54688	0.70707		
109	108	1.35145	1.40861	0.48780	0.68418	0.81248	0.48780	0.55713	0.71558	1.34276	1.39898	0.49102	0.68549	0.81340	0.49102	0.55963	0.71764		
109	109	1.35145	1.35764	0.48780	0.69726	0.82163	0.48780	0.56780	0.72433	1.34276	1.34871	0.49102	0.69849	0.82249	0.49102	0.57025	0.72632		
109	110	1.35145	1.32125	0.48780	0.70658	0.82807	0.48780	0.57525	0.73036	1.34276	1.31279	0.49102	0.70776	0.82888	0.49102	0.57767	0.73231		
110	1	1.30322	26.72925	0.48369	0.04876	0.09298	0.48369	0.04875	0.09297	1.29516	22.57586	0.48697	0.05737	0.10851	0.48697	0.05736	0.10850		
110	2	1.30322	26.68154	0.48369	0.04884	0.09314	0.48369	0.04884	0.09313	1.29516	22.55058	0.48697	0.05743	0.10863	0.48697	0.05743	0.10861		
110	3	1.30322	26.63112	0.48369	0.04894	0.09331	0.48369	0.04893	0.09330	1.29516	22.52338	0.48697	0.05750	0.10875	0.48697	0.05750	0.10874		
110	4	1.30322	26.57806	0.48369	0.04903	0.09348	0.48369	0.04903	0.09347	1.29516	22.49433	0.48697	0.05758	0.10888	0.48697	0.05757	0.10887		
110	5	1.30322	26.52283	0.48369	0.04914	0.09367	0.48369	0.04913	0.09366	1.29516	22.46379	0.48697	0.05766	0.10902	0.48697	0.05765	0.10901		
110	6	1.30322	26.46539	0.48369	0.04924	0.09386	0.48369	0.04924	0.09385	1.29516	22.43176	0.48697	0.05774	0.10917	0.48697	0.05773	0.10916		
110	7	1.30322	26.40551	0.48369	0.04935	0.09407	0.48369	0.04935	0.09406	1.29516	22.39806	0.48697	0.05782	0.10933	0.48697	0.05782	0.10932		

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
110	8	1.30322	26.34335	0.48369	0.04947	0.09428	0.48369	0.04947	0.09427	1.29516	22.36278	0.48697	0.05792	0.10949	0.48697	0.05791	0.10948
110	9	1.30322	26.27867	0.48369	0.04959	0.09450	0.48369	0.04959	0.09449	1.29516	22.32575	0.48697	0.05801	0.10966	0.48697	0.05801	0.10965
110	10	1.30322	26.21121	0.48369	0.04972	0.09473	0.48369	0.04971	0.09472	1.29516	22.28674	0.48697	0.05811	0.10984	0.48697	0.05811	0.10983
110	11	1.30322	26.14141	0.48369	0.04985	0.09497	0.48369	0.04985	0.09496	1.29516	22.24611	0.48697	0.05822	0.11003	0.48697	0.05821	0.11002
110	12	1.30322	26.06892	0.48369	0.04999	0.09522	0.48369	0.04998	0.09521	1.29516	22.20360	0.48697	0.05833	0.11023	0.48697	0.05832	0.11022
110	13	1.30322	25.99388	0.48369	0.05014	0.09548	0.48369	0.05013	0.09547	1.29516	22.15929	0.48697	0.05845	0.11044	0.48697	0.05844	0.11042
110	14	1.30322	25.91617	0.48369	0.05029	0.09576	0.48369	0.05028	0.09574	1.29516	22.11310	0.48697	0.05857	0.11066	0.48697	0.05856	0.11064
110	15	1.30322	25.83587	0.48369	0.05044	0.09604	0.48369	0.05043	0.09602	1.29516	22.06509	0.48697	0.05870	0.11088	0.48697	0.05868	0.11086
110	16	1.30322	25.75319	0.48369	0.05060	0.09633	0.48369	0.05059	0.09631	1.29516	22.01544	0.48697	0.05883	0.11112	0.48697	0.05881	0.11109
110	17	1.30322	25.66857	0.48369	0.05077	0.09663	0.48369	0.05075	0.09661	1.29516	21.96453	0.48697	0.05896	0.11136	0.48697	0.05895	0.11133
110	18	1.30322	25.58235	0.48369	0.05094	0.09694	0.48369	0.05092	0.09691	1.29516	21.91267	0.48697	0.05910	0.11161	0.48697	0.05909	0.11158
110	19	1.30322	25.49361	0.48369	0.05112	0.09727	0.48369	0.05110	0.09724	1.29516	21.85907	0.48697	0.05925	0.11187	0.48697	0.05923	0.11184
110	20	1.30322	25.40164	0.48369	0.05130	0.09760	0.48369	0.05129	0.09757	1.29516	21.80312	0.48697	0.05940	0.11214	0.48697	0.05938	0.11211
110	21	1.30322	25.30562	0.48369	0.05150	0.09795	0.48369	0.05148	0.09793	1.29516	21.74411	0.48697	0.05956	0.11243	0.48697	0.05955	0.11240
110	22	1.30322	25.20517	0.48369	0.05170	0.09832	0.48369	0.05169	0.09830	1.29516	21.68171	0.48697	0.05973	0.11273	0.48697	0.05972	0.11271
110	23	1.30322	25.09967	0.48369	0.05192	0.09872	0.48369	0.05191	0.09870	1.29516	21.61537	0.48697	0.05992	0.11306	0.48697	0.05991	0.11304
110	24	1.30322	24.98936	0.48369	0.05215	0.09913	0.48369	0.05214	0.09911	1.29516	21.54528	0.48697	0.06011	0.11341	0.48697	0.06010	0.11339
110	25	1.30322	24.87419	0.48369	0.05239	0.09957	0.48369	0.05238	0.09955	1.29516	21.47137	0.48697	0.06032	0.11378	0.48697	0.06031	0.11376
110	26	1.30322	24.75420	0.48369	0.05265	0.10003	0.48369	0.05263	0.10001	1.29516	21.39367	0.48697	0.06054	0.11417	0.48697	0.06053	0.11414
110	27	1.30322	24.62994	0.48369	0.05291	0.10051	0.48369	0.05290	0.10048	1.29516	21.31262	0.48697	0.06077	0.11457	0.48697	0.06075	0.11455
110	28	1.30322	24.50119	0.48369	0.05319	0.10101	0.48369	0.05318	0.10098	1.29516	21.22804	0.48697	0.06101	0.11501	0.48697	0.06100	0.11498
110	29	1.30322	24.36788	0.48369	0.05348	0.10153	0.48369	0.05346	0.10150	1.29516	21.13984	0.48697	0.06127	0.11546	0.48697	0.06125	0.11543
110	30	1.30322	24.23009	0.48369	0.05378	0.10208	0.48369	0.05377	0.10205	1.29516	21.04806	0.48697	0.06153	0.11593	0.48697	0.06151	0.11590
110	31	1.30322	24.08752	0.48369	0.05410	0.10265	0.48369	0.05408	0.10262	1.29516	20.95246	0.48697	0.06181	0.11643	0.48697	0.06179	0.11639
110	32	1.30322	23.94006	0.48369	0.05444	0.10325	0.48369	0.05442	0.10321	1.29516	20.85289	0.48697	0.06211	0.11695	0.48697	0.06209	0.11691
110	33	1.30322	23.78740	0.48369	0.05479	0.10388	0.48369	0.05476	0.10384	1.29516	20.74907	0.48697	0.06242	0.11750	0.48697	0.06239	0.11746
110	34	1.30322	23.62942	0.48369	0.05515	0.10454	0.48369	0.05513	0.10450	1.29516	20.64088	0.48697	0.06275	0.11808	0.48697	0.06272	0.11804
110	35	1.30322	23.46579	0.48369	0.05554	0.10523	0.48369	0.05551	0.10518	1.29516	20.52800	0.48697	0.06309	0.11869	0.48697	0.06306	0.11864
110	36	1.30322	23.29632	0.48369	0.05594	0.10595	0.48369	0.05591	0.10591	1.29516	20.41023	0.48697	0.06345	0.11934	0.48697	0.06343	0.11928
110	37	1.30322	23.12089	0.48369	0.05636	0.10671	0.48369	0.05634	0.10666	1.29516	20.28745	0.48697	0.06384	0.12002	0.48697	0.06381	0.11996
110	38	1.30322	22.93911	0.48369	0.05681	0.10751	0.48369	0.05678	0.10746	1.29516	20.15926	0.48697	0.06424	0.12073	0.48697	0.06421	0.12067
110	39	1.30322	22.75087	0.48369	0.05728	0.10835	0.48369	0.05725	0.10830	1.29516	20.02555	0.48697	0.06467	0.12149	0.48697	0.06464	0.12143
110	40	1.30322	22.55572	0.48369	0.05778	0.10924	0.48369	0.05774	0.10918	1.29516	19.88587	0.48697	0.06513	0.12229	0.48697	0.06509	0.12223
110	41	1.30322	22.35340	0.48369	0.05830	0.11017	0.48369	0.05826	0.11011	1.29516	19.73995	0.48697	0.06561	0.12314	0.48697	0.06557	0.12307
110	42	1.30322	22.14385	0.48369	0.05885	0.11116	0.48369	0.05881	0.11109	1.29516	19.58769	0.48697	0.06612	0.12404	0.48697	0.06608	0.12396
110	43	1.30322	21.92669	0.48369	0.05943	0.11220	0.48369	0.05939	0.11213	1.29516	19.42870	0.48697	0.06666	0.12499	0.48697	0.06662	0.12491
110	44	1.30322	21.70178	0.48369	0.06005	0.11329	0.48369	0.06001	0.11322	1.29516	19.26280	0.48697	0.06723	0.12600	0.48697	0.06719	0.12591
110	45	1.30322	21.46876	0.48369	0.06070	0.11445	0.48369	0.06065	0.11437	1.29516	19.08963	0.48697	0.06784	0.12706	0.48697	0.06779	0.12698
110	46	1.30322	21.22763	0.48369	0.06139	0.11568	0.48369	0.06134	0.11559	1.29516	18.90911	0.48697	0.06849	0.12820	0.48697	0.06843	0.12810
110	47	1.30322	20.97813	0.48369	0.06212	0.11697	0.48369	0.06206	0.11687	1.29516	18.72094	0.48697	0.06918	0.12940	0.48697	0.06912	0.12930
110	48	1.30322	20.72003	0.48369	0.06289	0.11834	0.48369	0.06283	0.11823	1.29516	18.52488	0.48697	0.06991	0.13068	0.48697	0.06984	0.13056

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022

**TEACHERS
SERVICE RETIREMENT**

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
110	49	1.30322	20.45326	0.48369	0.06371	0.11979	0.48369	0.06364	0.11967	1.29516	18.32076	0.48697	0.07069	0.13204	0.48697	0.07061	0.13191
110	50	1.30322	20.17742	0.48369	0.06458	0.12133	0.48369	0.06450	0.12118	1.29516	18.10816	0.48697	0.07152	0.13349	0.48697	0.07143	0.13333
110	51	1.30322	19.89339	0.48369	0.06550	0.12295	0.48369	0.06541	0.12278	1.29516	17.88781	0.48697	0.07240	0.13502	0.48697	0.07229	0.13484
110	52	1.30322	19.60122	0.48369	0.06648	0.12467	0.48369	0.06637	0.12447	1.29516	17.65967	0.48697	0.07333	0.13664	0.48697	0.07321	0.13643
110	53	1.30322	19.30125	0.48369	0.06751	0.12648	0.48369	0.06738	0.12625	1.29516	17.42398	0.48697	0.07432	0.13836	0.48697	0.07418	0.13811
110	54	1.30322	18.99375	0.48369	0.06860	0.12840	0.48369	0.06845	0.12812	1.29516	17.18091	0.48697	0.07537	0.14018	0.48697	0.07520	0.13988
110	55	1.30322	18.67912	0.48369	0.06976	0.13041	0.48369	0.06957	0.13010	1.29516	16.93076	0.48697	0.07648	0.14210	0.48697	0.07629	0.14176
110	56	1.30322	18.35803	0.48369	0.07097	0.13254	0.48369	0.07077	0.13218	1.29516	16.67407	0.48697	0.07766	0.14412	0.48697	0.07744	0.14374
110	57	1.30322	18.02853	0.48369	0.07227	0.13480	0.48369	0.07204	0.13439	1.29516	16.40902	0.48697	0.07891	0.14627	0.48697	0.07866	0.14585
110	58	1.30322	17.69065	0.48369	0.07365	0.13719	0.48369	0.07339	0.13674	1.29516	16.13552	0.48697	0.08024	0.14857	0.48697	0.07997	0.14809
110	59	1.30322	17.34441	0.48369	0.07511	0.13973	0.48369	0.07482	0.13923	1.29516	15.85354	0.48697	0.08167	0.15100	0.48697	0.08136	0.15047
110	60	1.30322	16.98967	0.48369	0.07668	0.14244	0.48369	0.07635	0.14187	1.29516	15.56284	0.48697	0.08319	0.15360	0.48697	0.08284	0.15301
110	61	1.30322	16.62627	0.48369	0.07835	0.14532	0.48369	0.07799	0.14469	1.29516	15.26320	0.48697	0.08482	0.15637	0.48697	0.08443	0.15571
110	62	1.30322	16.25423	0.48369	0.08014	0.14839	0.48369	0.07973	0.14769	1.29516	14.95454	0.48697	0.08657	0.15934	0.48697	0.08613	0.15860
110	63	1.30322	15.87341	0.48369	0.08206	0.15167	0.48369	0.08160	0.15089	1.29516	14.63664	0.48697	0.08844	0.16251	0.48697	0.08795	0.16169
110	64	1.30322	15.48353	0.48369	0.08412	0.15519	0.48369	0.08361	0.15431	1.29516	14.30913	0.48697	0.09046	0.16591	0.48697	0.08991	0.16499
110	65	1.30322	15.08480	0.48369	0.08634	0.15895	0.48369	0.08576	0.15797	1.29516	13.97213	0.48697	0.09263	0.16956	0.48697	0.09202	0.16853
110	66	1.30322	14.67724	0.48369	0.08873	0.16299	0.48369	0.08807	0.16189	1.29516	13.62552	0.48697	0.09498	0.17349	0.48697	0.09429	0.17233
110	67	1.30322	14.26104	0.48369	0.09131	0.16734	0.48369	0.09056	0.16609	1.29516	13.26940	0.48697	0.09752	0.17771	0.48697	0.09674	0.17641
110	68	1.30322	13.83657	0.48369	0.09410	0.17201	0.48369	0.09325	0.17059	1.29516	12.90401	0.48697	0.10027	0.18226	0.48697	0.09938	0.18079
110	69	1.30322	13.40435	0.48369	0.09712	0.17704	0.48369	0.09614	0.17542	1.29516	12.52973	0.48697	0.10325	0.18717	0.48697	0.10223	0.18549
110	70	1.30322	12.96501	0.48369	0.10039	0.18247	0.48369	0.09927	0.18060	1.29516	12.14706	0.48697	0.10648	0.19247	0.48697	0.10531	0.19055
110	71	1.30322	12.51927	0.48369	0.10395	0.18832	0.48369	0.10264	0.18617	1.29516	11.75658	0.48697	0.11000	0.19819	0.48697	0.10864	0.19599
110	72	1.30322	12.06792	0.48369	0.10781	0.19463	0.48369	0.10629	0.19215	1.29516	11.35893	0.48697	0.11382	0.20438	0.48697	0.11224	0.20183
110	73	1.30322	11.61185	0.48369	0.11201	0.20145	0.48369	0.11023	0.19858	1.29516	10.95491	0.48697	0.11798	0.21106	0.48697	0.11614	0.20812
110	74	1.30322	11.15217	0.48369	0.11658	0.20882	0.48369	0.11451	0.20548	1.29516	10.54549	0.48697	0.12252	0.21829	0.48697	0.12037	0.21487
110	75	1.30322	10.68986	0.48369	0.12157	0.21679	0.48369	0.11913	0.21290	1.29516	10.13154	0.48697	0.12747	0.22611	0.48697	0.12495	0.22214
110	76	1.30322	10.22626	0.48369	0.12702	0.22541	0.48369	0.12415	0.22087	1.29516	9.71428	0.48697	0.13287	0.23458	0.48697	0.12992	0.22996
110	77	1.30322	9.76277	0.48369	0.13297	0.23473	0.48369	0.12958	0.22943	1.29516	9.29502	0.48697	0.13878	0.24373	0.48697	0.13530	0.23835
110	78	1.30322	9.30064	0.48369	0.13947	0.24480	0.48369	0.13547	0.23862	1.29516	8.87492	0.48697	0.14524	0.25364	0.48697	0.14114	0.24737
110	79	1.30322	8.84103	0.48369	0.14659	0.25570	0.48369	0.14186	0.24847	1.29516	8.45509	0.48697	0.15231	0.26436	0.48697	0.14748	0.25705
110	80	1.30322	8.38551	0.48369	0.15439	0.26749	0.48369	0.14879	0.25904	1.29516	8.03703	0.48697	0.16006	0.27595	0.48697	0.15435	0.26743
110	81	1.30322	7.93532	0.48369	0.16294	0.28022	0.48369	0.15631	0.27035	1.29516	7.62196	0.48697	0.16856	0.28849	0.48697	0.16181	0.27854
110	82	1.30322	7.49211	0.48369	0.17231	0.29396	0.48369	0.16444	0.28244	1.29516	7.21152	0.48697	0.17787	0.30202	0.48697	0.16988	0.29043
110	83	1.30322	7.05756	0.48369	0.18257	0.30877	0.48369	0.17324	0.29532	1.29516	6.80735	0.48697	0.18807	0.31660	0.48697	0.17862	0.30309
110	84	1.30322	6.63342	0.48369	0.19380	0.32468	0.48369	0.18274	0.30901	1.29516	6.41122	0.48697	0.19923	0.33226	0.48697	0.18804	0.31656
110	85	1.30322	6.22156	0.48369	0.20607	0.34172	0.48369	0.19296	0.32350	1.29516	6.02503	0.48697	0.21142	0.34904	0.48697	0.19819	0.33081
110	86	1.30322	5.82374	0.48369	0.21942	0.35988	0.48369	0.20393	0.33878	1.29516	5.65055	0.48697	0.22469	0.36693	0.48697	0.20907	0.34584
110	87	1.30322	5.44155	0.48369	0.23392	0.37915	0.48369	0.21566	0.35480	1.29516	5.28949	0.48697	0.23908	0.38590	0.48697	0.22071	0.36161
110	88	1.30322	5.07613	0.48369	0.24960	0.39949	0.48369	0.22814	0.37153	1.29516	4.94306	0.48697	0.25465	0.40593	0.48697	0.23310	0.37808
110	89	1.30322	4.72862	0.48369	0.26648	0.42082	0.48369	0.24138	0.38889	1.29516	4.61250	0.48697	0.27141	0.42695	0.48697	0.24624	0.39517

BENEFIT ANNUITY VALUE AND OPTION FACTORS - EFFECTIVE 1/1/2022
TEACHERS
SERVICE RETIREMENT

PRE-REFORMED BENEFIT TIERS

POST-REFORMED BENEFIT TIERS

<u>Retiree</u>	<u>Beneficiary</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>	<u>Retiree Annuity</u>	<u>Beneficiary</u>	<u>Option 1</u>	<u>Option 2</u>	<u>Option 3</u>	<u>Option 4</u>	<u>Option 5</u>	<u>Option 6</u>
<u>Age</u>	<u>Age</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Value</u>	<u>Annuity Value</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
110	90	1.30322	4.40007	0.48369	0.28456	0.44304	0.48369	0.25533	0.40679	1.29516	4.29901	0.48697	0.28935	0.44883	0.48697	0.26008	0.41279
110	91	1.30322	4.09149	0.48369	0.30376	0.46598	0.48369	0.26994	0.42512	1.29516	4.00370	0.48697	0.30840	0.47142	0.48697	0.27457	0.43085
110	92	1.30322	3.80354	0.48369	0.32401	0.48944	0.48369	0.28515	0.44377	1.29516	3.72738	0.48697	0.32848	0.49453	0.48697	0.28967	0.44921
110	93	1.30322	3.53621	0.48369	0.34520	0.51323	0.48369	0.30093	0.46264	1.29516	3.47020	0.48697	0.34949	0.51796	0.48697	0.30532	0.46780
110	94	1.30322	3.28870	0.48369	0.36724	0.53720	0.48369	0.31723	0.48166	1.29516	3.23152	0.48697	0.37134	0.54157	0.48697	0.32148	0.48655
110	95	1.30322	3.05955	0.48369	0.39009	0.56124	0.48369	0.33402	0.50077	1.29516	3.01004	0.48697	0.39398	0.56526	0.48697	0.33814	0.50538
110	96	1.30322	2.84646	0.48369	0.41373	0.58530	0.48369	0.35121	0.51985	1.29516	2.80360	0.48697	0.41740	0.58896	0.48697	0.35519	0.52419
110	97	1.30322	2.65226	0.48369	0.43763	0.60882	0.48369	0.36857	0.53862	1.29516	2.61510	0.48697	0.44108	0.61215	0.48697	0.37241	0.54271
110	98	1.30322	2.47567	0.48369	0.46161	0.63164	0.48369	0.38602	0.55702	1.29516	2.44340	0.48697	0.46483	0.63465	0.48697	0.38972	0.56086
110	99	1.30322	2.31535	0.48369	0.48548	0.65364	0.48369	0.40348	0.57497	1.29516	2.28724	0.48697	0.48848	0.65635	0.48697	0.40703	0.57857
110	100	1.30322	2.16976	0.48369	0.50912	0.67472	0.48369	0.42089	0.59243	1.29516	2.14523	0.48697	0.51189	0.67715	0.48697	0.42430	0.59580
110	101	1.30322	2.03734	0.48369	0.53240	0.69486	0.48369	0.43820	0.60937	1.29516	2.01587	0.48697	0.53495	0.69703	0.48697	0.44147	0.61253
110	102	1.30322	1.91714	0.48369	0.55516	0.71396	0.48369	0.45531	0.62572	1.29516	1.89830	0.48697	0.55749	0.71588	0.48697	0.45845	0.62868
110	103	1.30322	1.80800	0.48369	0.57727	0.73198	0.48369	0.47215	0.64145	1.29516	1.79140	0.48697	0.57940	0.73369	0.48697	0.47516	0.64422
110	104	1.30322	1.70943	0.48369	0.59851	0.74884	0.48369	0.48859	0.65645	1.29516	1.69474	0.48697	0.60045	0.75035	0.48697	0.49148	0.65905
110	105	1.30322	1.62048	0.48369	0.61878	0.76450	0.48369	0.50453	0.67068	1.29516	1.60741	0.48697	0.62054	0.76585	0.48697	0.50730	0.67312
110	106	1.30322	1.54080	0.48369	0.63785	0.77888	0.48369	0.51977	0.68401	1.29516	1.52911	0.48697	0.63946	0.78008	0.48697	0.52243	0.68631
110	107	1.30322	1.47009	0.48369	0.65548	0.79189	0.48369	0.53407	0.69628	1.29516	1.45954	0.48697	0.65696	0.79297	0.48697	0.53664	0.69846
110	108	1.30322	1.40861	0.48369	0.67130	0.80333	0.48369	0.54699	0.70717	1.29516	1.39898	0.48697	0.67267	0.80431	0.48697	0.54949	0.70926
110	109	1.30322	1.35764	0.48369	0.68461	0.81278	0.48369	0.55779	0.71613	1.29516	1.34871	0.48697	0.68590	0.81369	0.48697	0.56024	0.71815
110	110	1.30322	1.32125	0.48369	0.69412	0.81945	0.48369	0.56534	0.72232	1.29516	1.31279	0.48697	0.69535	0.82030	0.48697	0.56776	0.72430