May 10, 2019

The Ad Hoc Committee on Actuarial Economic Assumptions for the Maryland State Retirement and Pension System convened at the Board Room of the SunTrust Building, 120 East Baltimore Street, 16th Floor Board Room, Baltimore, Maryland beginning at 12:02 p.m.

The Committee Members present included:

Eric Brotman, Chairman, Presiding Michael Barry (via phone)

David Brinkley

Linda Herman (via phone)

F. Patrick Hughes Douglas Prouty Michael Stafford

Agency Staff members attending included: R. Dean Kenderdine, Executive Director/Board Secretary

Melody Countess Anne Gawthrop Angie Jenkins
Patricia Fitzhugh Andrew Palmer

Assistant Attorneys General present included: Rachel Cohen and Kathleen Wherthey

Other attendees included: Brad Armstrong, Jeff Tebeau and Brian Murphy (via phone) of GRS, and Frank Benham of Meketa.

Charge to Committee

Mr. Brotman, Chairman of the Committee, explained that, as established by the Board of Trustees, the Committee was charged with examining the System's current actuarial economic assumption for the System's Investment Rate of Return and possibly make recommendations to the Board as to whether changes in the rate or its components should be implemented, and if implemented, where that assumption should be set. Mr. Brotman further explained that the Committee may make more than one recommendation and that the Committee should consider alternative Investment Rate of Return assumptions within a range of acceptable rates provided by the System's actuary based upon statistics from the set of investment consultants that the actuary monitors.

Presentation by Gabriel Roeder Smith & Company on the Assumed Rate of Investment Return The Committee was provided a copy of a PowerPoint document presented by Gabriel Roeder Smith & Company (GRS), which provided information on the assumed rate of investment return that would provide guidance with making a recommendation to the Board of Trustees for economic assumptions to be used for the June 30, 2019 actuarial valuation determining funding requirement for FYE 2021 and beyond.

Brad Armstrong from GRS reported that according to a survey conducted by the National Association of State Retirement Administrators (NASRA), sixty percent of the 129 plans surveyed are now at or below the median return assumption rate of 7.25%. The current Maryland interest rate assumption is at 7.45% with a 2.60% inflation assumption. Mr. Armstrong indicated that the full report from NASRA can be found on NASRA.org. Mr. Armstrong discussed an exhibit that indicated that over the next 15 years, greater than 50% of the benefits attributable to participants currently in the system will be paid.

Mr. Kenderdine commented that he would distribute the full report to the Committee.

Ms. Herman suggested that the Committee also look at the median indicated in the Wilshire Consulting report.

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Mr. Stafford asked what the median was for the past two years.

Mr. Armstrong responded that for 2018 the median rate was 7.38% and for 2019 the median rate is 7.25%.

Ms. Herman asked how GRS has arrived at the conclusion that the markets have not been cumulatively unfavorable since 2000.

Mr. Palmer responded that from 2001-2017 the S&P 500 was at 7.15%, when the System was assuming a higher return during that time.

Ms. Herman commented that she was concerned about making statements like that without stating what factors GRS used to arrive at that conclusion.

Mr. Stafford asked if wage growth being higher and inflation lower, hurts or helps the System.

Jeff Tebeau from GRS responded that salary increases result in higher liability, but gains on returns result in lower unfunded liabilities and possible higher cost-of-living increases.

Mr. Prouty asked if GRS factors in wage changes due to legislation, such as the State's increase of the minimum wage as well as compensation increases to teachers and other school personnel approved by local jurisdictions.

Mr. Armstrong responded yes. Mr. Armstrong further commented that GRS will take all such information under advisement.

Mr. Brotman asked that GRS provide the Committee with a set of matrices of possible scenarios for projected funded status, employer contributions and contributions rates, similar to what had been provided for the previous ad hoc committee on the assumed rate of return.

Presentation by Meketa Investment Group on Capital Markets Expectations The Committee was provided a copy of a PowerPoint document presented by Frank Benham from Meketa Investment Group, which provided information on capital market expectations, setting long-term expectations for a variety of asset classes and building a 10-year forecast in order to move from 10-year to a 20-year forecast.

Mr. Benham reported that the fund expected return is 50 basis points higher due to the 4th quarter of 2018 and is at a 61.25% chance of hitting its target over the 20-year horizon.

Ms. Herman asked what the expected return was.

Mr. Benham responded 7.73%.

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Presentation by the Chief Investment Officer on Inflation The Committee was provided a copy of the PowerPoint document on inflation assumptions, which was presented by Andrew Palmer, Chief Investment Officer. Mr. Palmer made a preliminary comment that the large portion of benefits paid over the next 15 years has shifted GRS to looking at intermediate term rates of return instead of the 30 year return horizon the Board has historically employed. Most consultants, Meketa included, have lower intermediate expected returns than long term.

Referring to the presentation, Mr. Palmer reported that inflation impacts the assumptions for both the liabilities and the assets and that the System uses an inflation assumption equal to that used by the Social Security Administration of 2.6%. Mr. Palmer indicated that Social Security lowered their long term assumption to 2.6% from 2.7%, back in 2015.

Mr. Palmer reported that several factors, including, but not limited to, the Federal Reserve delaying monetary tightening; the European Central Bank (ECB) lowering growth and inflation forecasts, and the Bank of Japan (BOJ) extending the target date for achieving inflation targets, are recent indications of lower inflation expectations.

Mr. Stafford asked why the committee's recommendation to the Board would be anything other than the median rate of return.

Mr. Benham responded that the Committee should look at where the trend has been in recent years and include its anticipation of how that trend will continue in the future in setting its rate with the goal of staying within a reasonable range of peers going forward.

Discussion

Mr. Brotman asked the Committee if there was anything that was not discussed that the Committee would like to discuss with any of the presenters at the next meeting.

Ms. Herman responded that she would like to see a reasonable consensus for the acceptable range of assumed rates from GRS and Meketa. Ms. Herman also requested that Meketa provide the Committee with a "what if" scenario that addresses the paradox of Meketa's return assumptions going higher while it is recommending a reduction in the assumed rate of return.

Mr. Armstrong reminded the committee that the Board would also be considering changes to the System's demographic assumptions as well as the economic assumptions.

Mr. Kenderdine reported that under the current schedule of Board meetings, the Investment Committee, with Meketa advice, will be considering the System's current asset allocation for possible recommendations for adjustments to the Board at its meeting on May 21. However, the report from GRS on the Experience Study currently underway will not be presented to the Board until the June meeting.

Ms. Herman asked if any reduction in investment return assumptions will result in increased contributions.

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Mr. Armstrong responded yes.

Mr. Brotman recommended that the Board's May agenda include a GRS presentation of their preliminary Experience Study results. The presentation should run no longer than a half hour. This will better inform the Investment Committee's consideration of any change to asset allocation.

Adjournment

There being no further business before the Committee, on a motion made by Mr. Brinkley and seconded by Mr. Hughes, the meeting adjourned at 1:53 p.m.

Respectfully submitted,

R. Dean Kenderdine Secretary to the Board