



MARYLAND
STATE RETIREMENT
and PENSION SYSTEM

Comprehensive Annual Financial Report

Maryland State Retirement and Pension System
A Pension Trust Fund of the State of Maryland
For the Years Ended June 30, 2018 and 2017

2018

MISSION STATEMENT

The Board of Trustees of the Maryland State Retirement and Pension System (System) is charged with the fiduciary responsibility for administering the survivor, disability and retirement benefits of the System's participants and to ensure that sufficient assets are available to fund the benefits when due. To accomplish this mission the System has established the following key goals:

- To prudently invest System assets in a well diversified manner to optimize long-term returns, while controlling risk through excellence in execution of the investment objectives and strategies of the System.
- To effectively communicate with all retirement plan participants to inform them about the benefits provided by the System, and to educate them about planning and preparing for all aspects of their future retirement.
- To accurately and timely pay retirement allowances provided by State pension law to the System's retirees and their beneficiaries.
- To implement an automated, comprehensive and integrated pension administration and electronic document management system.
- To efficiently collect the required employer and members contributions necessary to fund the System.

Comprehensive Annual Financial Report Maryland State Retirement and Pension System



A Pension Trust Fund of the State of Maryland

For the Years Ended June 30, 2018 and 2017

Prepared by:
Maryland State Retirement Agency
120 East Baltimore Street
Baltimore, Maryland 21202

INTRODUCTORY SECTION:

Message from the Board	4
Letter of Transmittal	5
Board of Trustees	8
Public Advisors to the Investment Committee	9
Organizational Chart	10
Professional Services	11
Certificate of Achievement	12
Recognition Award for Administration	13

FINANCIAL SECTION:

Report of Independent Public Accountants	16
Management's Discussion and Analysis	18
Financial Statements:	
Statements of Plan Net Position	24
Statements of Changes in Plan Net Position	25
Notes to the Financial Statements	26
Required Supplementary Information:	
Schedule of Changes in Employers' Net Pension Liability	48
Schedule of Employers' Net Pension Liability and Related Ratios	58
Schedule of Employers' Contributions and Related Ratios	61
Schedule of Investment Returns	61
Notes to Required Supplementary Information	62
Other Supplementary Information:	
Schedule of Funding Progress	63
Schedule of Contributions from Employers and Other Contributing Entities	63
Fund Balance Accounts	64
Schedule of Fund Balances	65
Schedule of Administrative Expenses	66
Schedule of Investment Expenses	67
Schedule of Plan Net Position by System	68
Schedule of Changes in Plan Net Position by System	70

INVESTMENT SECTION:

Chief Investment Officer's Report	74
Investment Portfolio Summary	82
Investment Portfolios by Manager	83
Investment Relationship Listings	84
Terra Maria Program	86
Equity Commissions to Brokers	87
Largest Stock & Bond Holdings at Market	88
Investment Portfolio Allocation	89
Comparative Investment Returns:	
Domestic Equity	90
Private Equity	90
International Developed Equity	91

Real Estate	91
Rate Sensitive	92
Total Plan	92
Ten-Year History of Time-Weighted Annual Returns	93
Ten-Year Growth of Investment Portfolio	93
 ACTUARIAL SECTION:	
Independent Actuary's Certification Letter	96
Summary of Valuation Results	100
Summary of Unfunded Actuarial Liabilities/Solvency Test	106
Summary of Retirees and Beneficiaries Added to and Removed from Rolls	106
Accounting Statement Information	108
Summaries of Principal Results	110
Schedule of Active Membership Valuation Data by Plan	116
 STATISTICAL SECTION:	
Statistical Section Overview	120
Ten-Year History of Changes in Net Positions	121
Schedule of Benefit Expense by Type	121
Schedule of Refund Expense by Type	121
Ten-Year History of Average Benefit Payments	122
Ten-Year History of Funding Progress	123
Ten-Year History of Employer Contribution Rates by Plan	123
Schedule of Retired Members by Type of Retirement and Option Selected	124
Ten-Year History of Active Membership by Plan	126
Total System Membership	126
Membership in Teachers' Plans	126
Membership in Employees' Plans	126
Ten-Year History of Retirees and Beneficiaries by Plan	127
Total System Retirees and Beneficiaries	127
Ten-Year History of Revenues by Source and Expenses by Type	128
Ten-Year History of Revenues vs. Expenses	129
Principal Participating Employers	129
Governmental Units Participating in the Systems	130
Withdrawn Governmental Units	130
 PLAN SUMMARY SECTION:	
Teachers' Retirement System	132
Teachers' Pension System	134
Employees' Retirement System	136
Employees' Pension System	139
Judges' Retirement System	141
State Police Retirement System	142
Law Enforcement Officers' Pension System	144