LOUISIANA STATE POLICE RETIREMENT SYSTEM
A COMPONENT UNIT OF THE STATE OF LOUISIANA
FINANCIAL STATEMENT AUDIT
FOR THE YEARS ENDED JUNE 30, 2020 AND 2019

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Hienz & Macaluso LLC
Certified Public Accountants

Independent Auditor's Report

Louisiana State Police Retirement System
Baton Rouge, Louisiana

Report on the Financial Statements

We have audited the accompanying financial statements of the Louisiana State Police Retirement System (System), a component unit of the state of Louisiana, as of and for the years ended June 30, 2020 and 2019, and the related notes to the financial statements, which collectively comprise the System's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

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Opinion

In our opinion the financial statements referred to above present fairly, in all material respects, the fiduciary net position of the System as of June 30, 2020 and 2019, and the changes in its fiduciary net position for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Emphasis of Matter

As disclosed in note 8 to the financial statements, the total pension liability for the System was $1,254,441,437 and $1,203,479,513 as of June 30, 2020, and June 30, 2019, respectively. The actuarial valuations were based on various assumptions made by the System's actuary. Because actual experience may differ from the assumptions used in the actuarial valuation, there is a risk that the total pension liability at June 30, 2020 and June 30, 2019, could be understated or overstated. Our opinion is not modified with respect to this matter.

Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that Management's Discussion and Analysis on pages 4 through 8 and the Schedules of Changes in Net Pension Liability and Related Ratios, Schedules of Employer Contributions, Schedules of Investment Returns, Schedules of the Employer's Proportionate Share of the Net Pension Liability (LASERS), Schedules of Employer Contributions (LASERS), and Schedule of Employer's Proportionate Share of the total collective OPEB liability on pages 38 through 43, be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

Supplementary Information

Our audits were conducted for the purpose of forming an opinion on the financial statements that collectively comprise the System's basic financial statements. The Schedule of Board Compensation, Schedules of Administrative Expenses, and Schedules of Investments, included on pages 45 through 47, are presented for purposes of additional analysis and are not a required part of the basic financial statements.

The Schedule of Board Compensation, Schedules of Administrative Expenses, and Schedules of Investments are the responsibility of management and were derived from and relate directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the Schedule of Board Compensation, Schedules of Administrative Expenses, and Schedules of Investments are fairly stated in all material respects in relation to the basic financial statements taken as a whole.

Other Reporting Required by *Government Auditing Standards*

In accordance with *Government Auditing Standards*, we have also issued our report dated September 21, 2020 on our consideration of the System's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the System's internal control over financial reporting and compliance.

Hienz & Macaluso, LLC
Metairie, LA
September 21, 2020

MANAGEMENT'S DISCUSSION AND ANALYSIS

The following discussion and analysis of the Louisiana State Police Retirement System (System) for the year ended June 30, 2020, highlights relevant aspects of the basic financial statements and provides an analytical overview of the System's financial activities.

FINANCIAL HIGHLIGHTS

- The fiduciary net position decreased by $1.6 million, or 0.2%, compared to the prior year increase of $27.0 million, or 3.1%. The difference is primarily related to market performance of investments.

- The System had net investment income of $10.2 million in 2020, compared to a net investment income of $35.5 million in 2019. The difference is directly related to market performance.

- The amount of contributions received increased $1.6 million, or 3.3%, compared to the prior year decrease of $6.2 million, or 11.2%.

OVERVIEW OF THE FINANCIAL STATEMENTS

Management's Discussion and Analysis is intended to serve as an introduction to the System's basic financial statements, together with the related notes to the financial statements, required supplementary information, and the supporting schedules, all of which are described below.

Statement of Fiduciary Net Position - This statement reports the System's assets, liabilities, and resultant net position restricted for pensions. This statement should be read with the understanding that it presents the System's financial position on June 30, 2020, and 2019.

Statement of Changes in Fiduciary Net Position - This statement reports the results of operations during the fiscal years, categorically presenting the additions to and deductions from plan net position. The net increase in plan net position on this statement supports the change in net position restricted for pension on the Statements of Fiduciary Net Position.

Notes to the Financial Statements - The financial statement notes provide additional information that is essential to a complete understanding of the data set forth in the financial statements. They are considered an integral part of the financial statements. A description of the information provided in the notes follows:

- Note 1 (Plan Description) – Provides a general description of the System. Information is included regarding the board of trustees, plan membership, a description of the basic plan benefits, the Deferred Retirement Option Plan (DROP), and the Initial Benefit Option Plan.

- Note 2 (Summary of Significant Accounting Policies) – Provides information about the accounting methods and policies used in determining amounts shown on the financial statements. Information relative to the basis of accounting, the determination of estimates, system investments, and capital assets is included in this note.

- Note 3 (Contributions and Reserves) - Describes contributions and reserves to the System.

- Note 4 (Actuarial Cost Method) - Defines the cost methods used to calculate funding requirements of the System.

- Note 5 (Cash, Cash Equivalents, and Investments) - Describes investments, including authority and policies, investment risk discussion, and additional information about cash and securities lending investments.

- Note 6 (Capital Assets) - Details the cost of the System's fixed assets as well as related depreciation expense and accumulated depreciation.

- Note 7 (Other Post-Employment Benefits Plan) - Details the Plan and its funding as well as the System's required contribution for the fiscal year.

- Note 8 (Net Pension Liability) - Discusses the components of the net pension liability as required by Governmental Accounting Standards Board (GASB) 67.

- Note 9 (Defined Benefit Pension Plan for System Employees) - Discusses the employees' participation in the Louisiana State Employees' Retirement System (LASERS) as required by GASB 68.

- Note 10 (Fair Value Disclosures) – Discusses fair value measurements as required by Governmental Accounting Standards Board (GASB) 72.

- Note 11 (Claims and Litigation) – Discusses claims and litigation that may arise in the normal course of business.

- Note 12 (COVID-19 Pandemic) – Discusses the potential impacts on the System.

Required Supplementary Information - The required supplementary information consists of schedules and related notes. These schedules show the funding progress and employer contribution data for the System. The related notes disclose key actuarial assumptions and methods used in the schedules.

Supplementary Information - The supplementary information consists of the schedule of board compensation and schedules of administrative expenses and investments.

FINANCIAL ANALYSIS

The System provides retirement benefits to all sworn, commissioned law enforcement officers of the Division of State Police of the Department of Public Safety who have completed the State Police Training Academy Course of instruction. These benefits are funded through member contributions, employer contributions, earnings on investments, and insurance premium fund allocations. Total net position restricted for pensions at June 30, 2020 amounted to $891.8 million; which was a decrease of $1.6 million, or 0.2%, from the $893.3 million held at June 30, 2019.

Comparative Statements of Fiduciary Net Position
June 30, 2020, 2019, and 2018

	2020	2019	2018
Assets:			
Current assets	$ 938,893,829	$ 963,064,114	$ 916,434,336
Capital assets, net of depreciation	1,175,342	1,200,004	1,228,323
Total assets	940,069,171	964,264,118	917,662,659
Deferred outflows of resources:			
Total deferred outflows of resources	220,073	184,086	192,226
Liabilities:			
Total liabilities	48,389,239	71,020,361	51,495,320
Deferred inflows of resources:			
Total deferred inflows of resources	149,269	77,810	50,527
Net Position Restricted for Pensions	$ 891,750,736	$ 893,350,033	$ 866,309,038

Comparative Statements of Changes in Fiduciary Net Position
For the Fiscal Years Ended June 30, 2020, 2019, and 2018

	2020	2019	2018
Additions:			
Contributions	$ 50,905,906	$ 49,275,443	$ 55,476,500
Net investment income (loss)	10,220,611	35,483,325	73,992,711
Other additions	2,870,937	4,123,153	3,755,121
Total additions	63,997,454	88,881,921	133,224,332
Deductions:			
Total deductions	65,596,751	61,840,926	49,606,013
Change in Fiduciary Net Position	$ (1,599,297)	$ 27,040,995	$ 83,618,319

Additions to Fiduciary Net Position

Additions to the System's net position restricted for pensions include contributions from the employer and members, an insurance premium tax, and investment income (loss). The insurance premium tax in the amount of $1.5 million was the result of 2001 legislation. The System recognized a current year net investment income of $10.2 million compared to investment income of $35.5 million in 2019 and investment income of $74.0 million in 2018.

Additions to Fiduciary Net Position	2020	2019	2018
Member contributions	$ 7,242,509	$ 7,193,639	$ 7,554,190
Employer contributions	42,163,397	40,581,804	46,422,310
Insurance premium tax	1,500,000	1,500,000	1,500,000
Net investment income (loss)	10,220,611	35,483,325	73,992,711
Transfers in	1,760,117	2,935,306	2,606,335
Miscellaneous	1,110,820	1,187,847	1,148,786
Total additions	$ 63,997,454	$ 88,881,921	$133,224,332

Deductions from Fiduciary Net Position

Deductions from the System's net pension restricted for pensions are comprised primarily of pensions paid to System retirees, survivors, and beneficiaries. Deductions also include administrative expenses and refunds of contributions. Premiums paid to retirees, survivors, and beneficiaries amounted to $64.2 million for 2020, which represented an increase of $3.7 million from the $60.5 million paid in 2019. The 2020 administrative expenses represented only 1.2% of total plan deductions, which is consistent with 1.3% in 2019 and 1.6% in 2018.

Deductions from Plan Net Position	2020	2019	2018
Benefits paid	$ 64,173,503	$ 60,485,197	$ 48,833,597
Refunds and withdrawals	30,814	15,199	511
Transfers out	566,236	534,632	-
Administrative and depreciation expense	826,198	805,898	771,905
Total deductions	$ 65,596,751	$ 61,840,926	$ 49,606,013

INVESTMENTS

Total investments amounted to $890.2 million at June 30, 2020, as compared to $889.8 million at June 30, 2019, which represented an increase of $413,000, or 0.05%. The System's market return was 1.31% as compared to 4.21% in 2019 and 9.60% in 2018.

Investments, at fair value	2020	2019	2018
Short-term investments	$ 19,123,431	$ 41,788,076	$ 51,548,612
Domestic fixed income investments	148,811,254	135,386,626	125,957,650
International fixed income investments	28,144,760	28,144,910	26,956,229
Domestic equity investments	409,506,650	391,708,681	374,913,780
Developed international equity investments	108,800,583	113,638,994	113,551,277
Emerging markets equity investments	54,186,949	63,210,367	59,509,599
Alternative investments	121,643,446	115,926,133	112,313,487
Total	$ 890,217,073	$ 889,803,787	$ 864,750,634

REQUESTS FOR INFORMATION

This annual financial report is designed to provide a general overview of the System's finances for interested parties. Questions concerning any of the information provided herein, or requests for additional financial information should be addressed to the Louisiana State Police Retirement System, 9224 Jefferson Highway, Baton Rouge, Louisiana 70809.

LOUISIANA STATE POLICE RETIREMENT SYSTEM
STATE OF LOUISIANA
STATEMENTS OF FIDUCIARY NET POSITION
JUNE 30, 2020 AND 2019

	2020	2019
Assets		
Cash and cash equivalents	$ 95,091	$ 1,661,238
Receivables		
Employer contributions	1,866,449	2,145,247
Employee contributions	277,209	274,746
Accrued interest and dividends	468,317	507,802
Total receivables	2,611,975	2,927,795
Investments, at fair value		
Short-term investments	19,123,431	41,788,076
Domestic fixed income investments	148,811,254	135,386,626
International fixed income investments	28,144,760	28,144,910
Domestic equity investments	409,506,650	391,708,681
Developed international equity investments	108,800,583	113,638,994
Emerging markets equity investments	54,186,949	63,210,367
Alternative investments	121,643,446	115,926,133
Total investments	890,217,073	889,803,787
Collateral held under securities lending program	45,967,933	68,670,276
Properties, at cost	1,175,342	1,200,004
Other assets	1,757	1,018
Total assets	940,069,171	964,264,118
Deferred Outflows of Resources		
Deferred outflows related to OPEB	34,127	30,293
Deferred outflows related to pensions	185,946	153,793
Total deferred outflows of resources	220,073	184,086
Total assets and deferred outflows of resources	940,289,244	964,448,204
Liabilities		
Accounts payable	727,696	717,539
Unearned revenue	304,437	178,296
Net pension liability	1,113,471	1,109,398
Other post-employment benefits payable	275,702	344,852
Obligations under securities lending program	45,967,933	68,670,276
	48,389,239	71,020,361
Deferred Inflows of Resources		
Deferred inflows related to OPEB	96,814	39,599
Deferred inflows related to pensions	52,455	38,211
Total deferred inflows of resources	149,269	77,810
Net Position - Restricted for Pensions	$ 891,750,736	$ 893,350,033

The accompanying notes are an integral part of these financial statements.

LOUISIANA STATE POLICE RETIREMENT SYSTEM
STATE OF LOUISIANA
STATEMENTS OF CHANGES IN FIDUCIARY NET POSITION
FOR THE YEARS ENDED JUNE 30, 2020 AND 2019

	2020	2019
Additions		
Employer contributions		
Appropriations	$ 40,980,857	$ 35,903,274
Motor vehicle fees	1,182,540	4,678,530
Insurance premium tax	1,500,000	1,500,000
Member contributions	7,242,509	7,193,639
Total contributions	50,905,906	49,275,443
Investment income		
Net appreciation in fair value of investments	817,887	28,201,265
Interest and dividends	11,733,762	9,665,518
Securities lending interest	82,489	76,678
	12,634,138	37,943,461
Less: investment expenses		
Custodial services	96,163	87,231
Investment manager	2,197,364	2,252,905
Investment consultant	120,000	120,000
	2,413,527	2,460,136
Net investment income	10,220,611	35,483,325
Other Additions		
Transfers in - employer and interest	1,250,370	2,172,476
Transfers in - employee	509,747	762,830
Miscellaneous	1,110,820	1,187,847
Total other additions	2,870,937	4,123,153
Total additions	63,997,454	88,881,921
Deductions		
Benefits paid	64,173,503	60,485,197
Administrative expenses	794,542	774,057
Refund of employee contributions	30,814	15,199
Transfers out - employer and interest	496,145	476,337
Transfers out - employee	70,091	58,295
Depreciation	31,656	31,841
Total deductions	65,596,751	61,840,926
Net increase (decrease)	(1,599,297)	27,040,995
Net Position - Restricted for Pensions		
Beginning of Year	893,350,033	866,309,038
End of Year	$ 891,750,736	$ 893,350,033

The accompanying notes are an integral part of these financial statements.

1. PLAN DESCRIPTION

The Louisiana State Police Retirement System (System) is the administrator of a single employer-defined benefit plan. The System provides benefits to all sworn, commissioned law enforcement officers of the Office of State Police of the Department of Public Safety who have completed the State Police Training Academy Course of Instruction; those members employed on the effective date of the System, those subsequently employed who did not withdraw employee contributions; and secretaries and deputy secretaries of the Department of Public Safety, provided they are sworn, commissioned State Police officers as defined above. The System is administered by a board of trustees made up of 11 members composed of:

Treasurer of the State of Louisiana (or designee), ex officio
Commissioner of Administration (or designee), ex officio
Superintendent of the Office of State Police (or designee)
President of the Louisiana State Troopers' Association
President of the Central State Troopers' Coalition
Chair of the Senate Retirement Committee (or designee), ex officio
Member of the House Retirement Committee (or designee) appointed by the Speaker, ex officio
Surviving spouse representative, elected by active and retired members
One active member of the System, elected by the active members
One retired member of the System, elected by the retired members
One member, active or retired, elected by active and retired members

The System's elected trustees serve five-year staggered terms. Members and retirees elect respective trustees each year to fill vacancies. Louisiana law allows the board to adopt rules and regulations in administering the System's programs and benefits. The board hears appeals from members and issues decisions in such cases. The board also appoints the System's executive director and assistant director.

The System is considered a component unit of the financial reporting entity of the State of Louisiana and is included as a pension trust fund in the State Comprehensive Annual Financial Report. The accompanying financial statements reflect the activity of the System.

In May 2002, the Governmental Accounting Standards Board (GASB) issued Statement No. 39, *Determining Whether Certain Organizations Are Component Units,* which amended Statement No. 14, *The Financial Reporting Entity*. The definition of a reporting entity is based primarily on the concept of financial accountability. In determining financial accountability for a legally separate organization, the System considered (1) whether its officials appoint a voting majority of an organization's governing body and it is able to impose its will on that organization or (2) if there is a potential for the organization to provide specific financial burdens to, or to impose specific financial burdens, on the System. The System determined there are no organizations that are fiscally dependent on it, and there are no component units of the System.

The System was established and provided for within Title 11 of the Louisiana Revised Statutes. The System was first established by Legislative Act No. 293 of 1938. On January 1, 2004, the System became a qualified plan under Section 401(a) of the Internal Revenue Code.

1. PLAN DESCRIPTION (continued)

As of June 30, 2020 and 2019, plan membership consisted of the following:

	2020	2019
Inactive plan members or beneficiaries currently receiving benefits	1,268	1,239
Inactive plan members entitled to but not yet receiving benefits	217	214
Active plan members	1,029	1,033
Total participants	2,514	2,486

Plan benefits are as follows:

A. **Regular Retirement, for plan members enrolled prior to January 1, 2011**

A member shall be eligible for regular retirement based on the following:

(1) Ten years of service credit at age 50. Benefits are determined by multiplying the years of service credit by 3 1/3% to compute a retirement percentage factor (not to exceed 100%), which is then multiplied by the member's average salary.
(2) Twenty years of service credit at any age if employed prior to September 8, 1978. Benefits are determined by multiplying the years of service credit by 3 1/3% to compute a retirement percentage factor (not to exceed 100%), which is then multiplied by the member's average salary.
(3) Twenty-five years of service credit at any age if employed on or after September 8, 1978. Benefits are determined by multiplying the years of service credit by 3 1/3% to compute a retirement percentage factor (not to exceed 100%), which is then multiplied by the member's average salary.

See note 1(G) for eligibility requirements and benefit determinations for plan members enrolled on or after January 1, 2011.

B. **Disability Retirement, for plan members enrolled prior to January 1, 2011**

A member shall be eligible for a disability benefit based on the following:

(1) Non-service related total disability – five years of service.
(2) Service-related total disability – condition of employment.

Benefit – Disabled eligible members will receive a benefit equal to 50% of average salary, plus one and one-half percent of average salary for each year of service in excess of 10 years.

Disability benefits shall be modified whenever a non-service disability retiree is engaged in gainful employment paying more than the difference between his retirement allowance and his final average compensation. For service-related disability, there is no limitation.

See note 1(G) for eligibility requirements and benefit determinations for plan members enrolled on or after January 1, 2011.

1. PLAN DESCRIPTION (continued)

C. Survivor Benefits, for plan members enrolled prior to January 1, 2011

Survivor benefits are payable first to the surviving spouse; secondly to minor children who are under the age of 18 years or a student under the age of 23 years and; thirdly, to the dependent parent or parents of the deceased employee, provided they derived their main support from the employee.

(1) Death from injury received in the line of duty – the surviving spouse shall receive 75% of the current salary of the employee at the time of injury. If no surviving spouse, minor children shall receive the same 75% benefit.
(2) The surviving spouse of any eligible member whose death occurs other than in the line of duty shall be pensioned as follows:
   (a) Under five years of service credit – 25% of the average salary,
   (b) Five years but under 10 years of service credit – 30% of the average salary,
   (c) Ten years but under 15 years of service credit – 40% of the average salary,
   (d) Fifteen years but under 20 years of service credit – 50% of the average salary'
   (e) Twenty or more years of service credit – the retirement benefit the employee was qualified to receive had the employee elected to retire at the time of his death.

If there is no surviving spouse, minor children shall receive a monthly pension equal to greater of (1) 60% of the average salary or (2) the pension which would have been received by a surviving spouse if one existed.

(3) For the death of a member whether in the line of duty or not and there is no surviving spouse or minor children, then dependent parents shall be entitled to a monthly pension of 25% of the average salary if they, or either of them derived their main support from the deceased participant.

Act No. 41 of the 2019 Regular Session provides a benefit to a surviving spouse who, on or before June 11, 1999, was subject to the forfeiture provision of R.S. 11:1321. This benefit shall resume upon dissolution of marriage by death or divorce from the new spouse. This benefit is prospective only. See note 1(G) for eligibility requirements and benefit determinations for plan members enrolled on or after January 1, 2011.

D. Deferred Benefits

The System provides for deferred benefits for vested members who terminate before being eligible for retirement. Benefits become payable once a member reaches the appropriate retirement age.

E. Back-Deferred Retirement Option Plan (Back-DROP)

This option may be selected at retirement and will pay retirees a monthly benefit portion and a lump-sum portion. Back-DROP allows an eligible member to select a Back-DROP period of 36 months or less to look back to in order to calculate the monthly benefit portion based upon service and final compensation that existed at the time. Benefit adjustments are made to the benefit accruals and employee contributions that occurred during the Back-DROP period. The member's lump-sum portion must be distributed to the member or paid into an individual account and placed in liquid asset money market investments and credited with interest at the actual rate of return earned on such investments.

1. PLAN DESCRIPTION (continued)

F. Initial Benefit Option

This option may be selected at retirement and will pay retirees a lump-sum amount at retirement in addition to a monthly retirement benefit, reduced on an actuarial basis. A retiree may choose an "initial benefit" in a lump-sum payment or as a deposit to an interest-bearing account similar to a DROP account. Interest earnings and withdrawals will be the same as for DROP accounts. The difference between the "Initial Benefit Option" and "DROP" option is that the account created under the "Initial Benefit Option" is created with a lump sum, rather than amounts which accumulate over a DROP participation period.

Only members who are eligible for regular retirement and have not participated in DROP can select this option. Disability retirees cannot select this option.

G. New Retirement Plan

Act 992 of the 2010 Regular Session of the Louisiana Legislature established a new retirement plan within the System for those employed on or after January 1, 2011. A member shall be eligible for regular retirement based on the following:

1. Twenty-five years or more of service at any age.
2. Twelve years or more of service at age 55 or thereafter.
3. Twenty years of service at any age, exclusive of military service and unused annual and sick leave at an actuarially reduced benefit.

A member shall be eligible for a service-connected disability benefit equal to 75% of average compensation regardless of years of service or a non-service-connected benefit at 10 years of service equal to 50% of average compensation plus 1 ½% for each year over 10 years.

Survivor benefits of active members are paid at 80% of the member's final average compensation for service-connected deaths, and at 50% or $600 per month, whichever is greater, with at least five years of service for non-service-connected deaths. A survivor of a retired member shall receive 75% of the retiree's monthly benefit.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

A. BASIS OF ACCOUNTING

The System's financial statements are prepared on the accrual basis of accounting. Employer and member contributions are recognized in the period that the employee is compensated for services performed. Benefits and refunds are recognized when due and payable in accordance with terms of the Plan.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

B. ESTIMATES

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of additions and deductions during the reporting period. Actual results could differ from those estimates.

The System utilizes various investment instruments which, by nature, are exposed to a variety of risk levels and risk types, such as interest rate, credit and overall market volatility. Due to the level of risk associated with certain investment securities, it is reasonably possible that changes in the values of investment securities will occur in the near term and such changes could materially affect the amounts reported in the Statement of Fiduciary Net Position.

C. INVESTMENTS

As required by GASB Statement No. 72, investments are reported at fair value. Fair value is described as an exit price. This statement established a hierarchy of inputs to valuation techniques used to measure fair value which includes three levels. Level 1 inputs are quoted prices (unadjusted) for identical assets or liabilities in active markets that a government can access at the measurement date. Level 2 inputs are inputs – other than quoted prices – that are observable for an asset or liability, either directly or indirectly. Level 3 inputs are unobservable inputs for an asset or liability, such as management's assumption of the default rate among underlying mortgages of a mortgage-backed security. This statement required disclosures to be made about fair value measurements, the level of fair value hierarchy, and valuation techniques. These disclosures are organized by type of asset or liability. GASB 72 also requires additional disclosures regarding investments in certain entities that calculate net asset value per share (or its equivalent). These disclosures are noted in Note 10.

The System's investments are reported at fair value. Short-term investments are reported at cost, which approximates fair value. Securities traded on a national or international exchange are valued at the last reported sales price at the current exchange rates. Investments that do not have an established market are reported at estimated fair value as determined by the System's investment managers.

D. CAPITAL ASSETS

Capital assets consist of building and furniture, fixtures and equipment and are stated at cost. Depreciation is computed on the straight-line basis over their estimated useful lives. The estimated useful lives range from three to forty years. Minor property acquisitions are charged to operations in the period they are made.

E. DEFERRED OUTFLOWS OF RESOURCES

Deferred outflows of resources represent a consumption of net position that applies to a future period and will not be recognized as an outflow of resources (deduction) until that future time.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

F. DEFERRED INFLOWS OF RESOURCES

Deferred inflows of resources represent a consumption of net position that applies to a future period and will not be recognized as an inflow of resources (addition) until that future time.

G. PENSIONS FOR SYSTEM EMPLOYEES

For purposes of measuring the net pension liability, deferred outflows of resources and deferred inflows of resources related to pensions, and pension expense, information about the fiduciary net position of the Louisiana State Employees' Retirement System (LASERS) and changes in LASERS' fiduciary net position have been determined on the same basis as they are reported by LASERS. For this purpose, benefit payments (including refunds of employee contributions) are recognized when due and payable in accordance with the benefit terms. Investments are reported at fair value.

3. CONTRIBUTIONS AND RESERVES

Contributions

The cost of administering the System is financed by employer contributions.

Louisiana law previously set the employee contribution rate at 8.0% of earned compensation for State Police employees. Effective October 1, 2009, the employee contribution rate increased to 8.5% for the majority of employees. The increase is to fund the BACK-DROP program as described in note 1 of this report. For those employees hired after January 1, 2011, the employee contribution rate increased to 9.5%. The employer contribution rate is determined each year based on an actuarial formula set by state law. The employer rate for fiscal year ended June 30, 2020 was 49.1% and for the year ended June 30, 2019 was 43.1%. The employer's contribution includes state appropriations and various fees collected by the Motor Vehicle Office within the Department of Public Safety.

Reserves

The experience account was created by HB 658 of 2007 and is used to accumulate allocations of investment gain sharing to fund cost-of-living adjustments (COLA)/permanent benefit increases (PBI). Act 399 of 2014 amended the experience account, which is credited with 50% of the investment experience gain in excess of $15 million (indexed), but subject to maximum accumulation limitations based upon the plan's funded percentage, and debited with 50% of the net investment experience loss. Balances in the experience account accrue interest at the average actuarial yield for the System portfolio. Once the balance of the experience account accumulates a sum sufficient to grant retirees a COLA/PBI, the Board may grant the COLA/PBI on benefits up to $60,000 (indexed), not to exceed the lesser of the CPI-U or the funded level percentage attained, provided a COLA/PBI had not been granted in the prior year. Benefits are restricted to disability retirees and those retirees and beneficiaries who have attained the age of 60 and have been retired for at least one year. Maximum limitations are outlined in Act 399 of 2014. The experience account balance as of June 30, 2020 and 2019 was $2,195,198 and $2,079,574, respectively.

4. ACTUARIAL COST METHOD

The individual "Entry Age Normal" cost method is used to calculate the funding requirements of the System. Under this cost method, the actuarial present value of projected benefits of each individual participant included in the valuation is allocated on a level basis as a percentage of payroll for each participant between entry age and assumed retirement ages(s). That portion of the actuarial present value attributable to current year benefit accruals is called the Normal Cost. The actuarial present value of future benefits in excess of the actuarial present value of the future normal cost is called the Actuarial Accrued Liability. Act 165 of the 1992 Legislative Session provides that the Unfunded Actuarial Liability in accordance with the Projected Unit Credit Cost method on June 30, 1988, shall continue to be amortized over a 20-year period as a level dollar amount. New changes in the actuarial methods or assumptions are amortized over the later of the year 2029 or the amortization period stated in the Louisiana Revised Statutes.

5. CASH, CASH EQUIVALENTS, AND INVESTMENTS

Deposit and Investment Risk Disclosures

The tables presented below include disclosures of custodial, interest rate, credit, and foreign currency risks in accordance with GASB 40 and are designed to inform financial statement users about investment risks that could affect the System's ability to meet its obligations. These tables classify investments by risk type, while the financial statements present investments by asset class; thus, the totals shown on tables may not be comparable to the amounts shown for the individual asset classes on the financial statements.

Cash and Cash Equivalents

At June 30, 2020, the carrying amount of the System's cash was $95,091 and the bank balance was $608,811, all of which was covered by federal depository insurance and pledged securities. At June 30, 2019, the carrying amount of the System's cash was $1,661,238, and the bank balance was $1,938,425, all of which was covered by federal depository insurance and pledged securities.

Cash equivalents are reported as short-term investments in the Statement of Fiduciary Net Position.

Investments

Statutes authorize the System to invest under the Prudent-Man Rule which, as used herein, means that, in investing, the governing authorities of the System "shall exercise the judgment and care under the circumstances then prevailing that an institutional investor of ordinary prudence, discretion, and intelligence exercises in the management of large investments entrusted to it, not in regard to speculation but in regard to the permanent disposition of funds considering probable safety of capital as well as probable income." Notwithstanding the Prudent-Man Rule, the System shall not invest more than 65% of its total portfolio in equity investments.

No more than 22.5% of the System's total portfolio may be allocated to managers whose assigned style is international equities. Equity holdings of all other managers shall be restricted to issues of corporations that are actively traded on the major U.S exchanges and NASDAQ.

5. CASH, CASH EQUIVALENTS, AND INVESTMENTS (continued)

The following was the System's adopted asset allocation policy as of June 30, 2020 and 2019:

Asset Class	2020 Target Allocation	2019 Target Allocation
Cash	2.50%	2.50%
Domestic fixed income	17.00%	17.00%
International fixed income	3.00%	3.00%
Domestic equity	40.00%	40.00%
Developed markets	12.50%	12.50%
Emerging markets	7.50%	7.50%
Alternatives	17.50%	17.50%
Total	100.00%	100.00%

The System has the following investments that represent 5% or more of the System's fiduciary net position at June 30, 2020 and 2019:

	2020 Fair Value
T. Rowe Price Large Cap Growth Fund	$116,452,117
Templeton Investment Counsel, Inc. International Value	45,669,262
Loomis Sayles Fixed Income Fund	62,153,920
State Street S&P 500 Flagship Fund	88,055,296
Wellington CTF International Quality Growth Fund	54,959,040

	2019 Fair Value
T. Rowe Price Large Cap Growth Fund	$ 96,653,850
Templeton Investment Counsel, Inc. International Value	51,204,696
Loomis Sayles Fixed Income Fund	62,679,242
State Street S&P 500 Flagship Fund	81,954,591
Wellington CTF International Quality Growth Fund	52,101,836

During the year ended June 30, 2020, the System's investments (including investments bought, sold, and held during the year) appreciated in value $817,887 compared to a net appreciation of $28,201,265 in 2019.

	2020	2019
Increase (decrease) in fair value of investments held at year-end	$ 4,676,216	$ 2,628,661
Realized gains (losses) on investments including currency held during the year	(3,858,329)	25,572,604
	$ 817,887	$28,201,265

5. CASH, CASH EQUIVALENTS, AND INVESTMENTS (continued)

Credit Risk

Credit risk is the risk that an issuer or other counterparty to an investment will not fulfill its obligations. The System's exposure to credit risk at June 30, 2020 and 2019, respectively, was as follows:

	2020	2019
AAA	$ 1,006,710	$ 1,012,380
AA+	2,331,866	1,132,098
AA-	1,144,480	-
A+	1,121,470	-
A	9,634,191	6,838,856
A-	5,189,449	6,833,803
BBB+	4,528,534	2,065,260
BBB	4,332,875	5,860,545
Not rated	15,282,086	18,064,957
	$ 44,571,661	$41,807,899

The System's debt security investments are managed by four investment managers who are benchmarked against their respective index, generally being the Barclay's Government/Corporate Bond Index, Barclay's Aggregate Bond Index, Citigroup World Government Bond Index, and/or Barclay's Aggregate Bond Index. For those manager(s) engaged for our domestic, investment grade, investment strategy; at the time of making the investment, securities will carry an investment grade rating of at least BBB from either Moody's or Standard & Poor's rating agencies. Any security downgraded below BBB rating must be brought to the attention of the System's Director and its investment consultant immediately. Non-U.S. dollars, foreign, and Rule 144(A) securities are not permissible. Specialty bond manager(s) are engaged to provide a fully discretionary, total return strategy, utilizing the full spectrum of fixed income securities, including high yield, non-U.S. dollar and foreign and emerging market debt, and Rule 144(A), unregistered and private placement securities.

Custodial Credit Risk

Custodial credit risk is the risk that, in the event of a failure by the counterparty, the System will not be able to recover the value of its investment or collateral securities that are in the possession of an outside party. Investment securities are exposed to custodial credit risk if the securities are uninsured and are not registered in the name of the System and are held by either the counterparty or the counterparty's trust department or agents but not in the System's name. Investments held in external investment pools are not exposed to custodial credit risk because their existence is not evidenced by securities that exist in physical or book entry form. The System has no custodial credit risk at June 30, 2020 and 2019, since all investments were (1) held in various external investment pools, (2) registered in the name of the System, or (3) held in the possession of the System's custodial bank, US Bank, or the banks' trust department in the System's name.

5. CASH, CASH EQUIVALENTS, AND INVESTMENTS (continued)

Concentration of Credit Risk

The System has the following investments that represent 5% or more of the System's total investments at June 30, 2020:

	2020 Fair Value
T. Rowe Price Large Cap Growth Fund	$116,452,117
Templeton Investment Counsel, Inc. International Value	45,669,262
Loomis Sayles Fixed Income Fund	62,153,920
State Street S&P 500 Flagship Fund	88,055,296
Wellington CTF International Quality Growth Fund	54,959,040

Interest Rate Risk

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment. As of June 30, 2020 and 2019, the System had the following debt investments and maturities:

	June 30, 2020				
Investment Type	Fair Value	Less Than 1 Year	1 to 5 Years	6 to 10 Years	10+ Years
U.S. Government and Government Agencies	$ 16,377,200	$ -	$ -	$ 1,890,894	$14,486,306
Corporate Bonds	28,194,461	2,032,676	6,009,525	13,424,225	6,728,035
Total	$ 44,571,661	$ 2,032,676	$ 6,009,525	$15,315,119	$21,214,341

The 2020 statement of fiduciary net position also reflects bond funds in the amount of $132,384,353 with no maturity.

	June 30, 2019				
Investment Type	Fair Value	Less Than 1 Year	1 to 5 Years	6 to 10 Years	10+ Years
U.S. Government and Government Agencies	$ 18,043,529	$ -	$ -	$ 27,245	$18,016,284
Corporate Bonds	23,764,370	2,027,019	7,182,940	9,600,697	4,953,714
Total	$ 41,807,899	$ 2,027,019	$ 7,182,940	$ 9,627,942	$22,969,998

The 2019 statement of fiduciary net position also reflects bond funds in the amount of $121,723,637 with no maturity.

The System, as expressed in its investment policy, expects its fixed income managers to approximate the portfolio's duration (a measure of interest rate sensitivity) to its respective benchmarks, i.e. Barclay's Government/Corporate Bond Index, Barclay's Aggregate Bond Index and Citigroup World Government Bond Index.

5. CASH, CASH EQUIVALENTS, AND INVESTMENTS (continued)

Foreign Currency Risk

Foreign currency risk is the risk that changes in exchange rates will adversely affect fair value of an investment. The System has no investments exposed to foreign currency risk at June 30, 2020 and 2019.

Money-Weighted Rate of Return

For the years ended June 30, 2020 and 2019, the annual money-weighted rate of return on pension plan investments, net of pension plan investment expense, was 1.31% and 4.21%, respectively. The money-weighted rate of return expresses investment performance, net of investment expenses, adjusted for the changing amounts actually invested.

6. CAPITAL ASSETS

The following is a summary of property, equipment, and fixtures at June 30, 2020.

	Beginning Balance July 1, 2019	Additions	Deletions	Ending Balance June 30, 2020
Land	$ 533,298	$ -	$ -	$ 533,298
Building	800,271	-	-	800,271
Office equipment and furniture	223,374	6,994	-	230,368
Less: accumulated depreciation	(356,939)	(31,656)	-	(388,595)
	$1,200,004	$ (24,662)	$ -	$ 1,175,342

Depreciation expense for the years ended June 30, 2020 and 2019 was $31,656 and $31,115, respectively.

7. OTHER POST-EMPLOYMENT BENEFITS PLAN

Plan Description. The Office of Group Benefits administers the State of Louisiana's post-retirement benefits plan – a defined benefit, multiple-employer other postemployment benefit plan ("OPEB"). OPEB provides medical, prescription drug, and life insurance benefits to retirees, disabled retirees, and their eligible beneficiaries through premium subsidies. Current employees who participate in an OGB health plan, while active, are eligible for plan benefits if they are enrolled in the OGB health plan immediately before the date of retirement and retire under one of the state sponsored retirement systems (Louisiana State Employees' Retirement System, Teachers' Retirement System of Louisiana, Louisiana School Employees' Retirement System, or Louisiana State Police Retirement System,) or they retire from a participating employer that meets the qualifications in the Louisiana Administrative Code 32:3.303. Benefit provisions are established under R.S. 42:851 for health insurance benefits and R.S. 42.821 for life insurance benefits. The obligations of the plan members, employer(s), and other contributing entities to contribute to the plan are established or may be amended under the authority of R.S. 42:802.

There are no assets accumulated in a trust that meets the criteria of paragraph 4 of GASB Statement 75. Effective July 1, 2008, an OPEB trust fund was statutorily established; however, this plan is not administered as a trust and no plan assets have been accumulated as of June 30, 2020. The plan is funded

7. OTHER POST-EMPLOYMENT BENEFITS PLAN (continued)

on a "pay-as-you-go" basis under which the contributions to the plan are generally made at about the same time and in about the same amount as benefit payments become due.

Employer contributions are based on plan premiums and the employer contribution percentage. Premium amounts vary depending on the health plan selected and if the retired member has Medicare coverage. OGB offers retirees four self-insured healthcare plans and one fully insured plan. Retired employees who have Medicare Part A and Part B coverage also have access to four fully insured Medicare Advantage plans.

The employer contribution percentage is based on the date of participation in an OGB plan and employee years of service at retirement. Employees who begin participation or rejoin the plan before January 1, 2002, pay approximately 25% of the cost of coverage (except single retirees under age 65, who pay approximately 25% of the active employee cost). For those beginning participation or rejoining on or after January 1, 2002, the percentage of premiums contributed by the employer and retiree is based on the following schedule:

Service	Employer Percentage	Employee Percentage
Under 10 years	19%	81%
10-14 years	38%	62%
15-19 years	56%	44%
20+ years	75%	25%

In addition to healthcare benefits, retirees may elect to receive life insurance benefits. Basic and supplemental life insurance is available for the individual retirees and spouses of retirees subject to maximum values. Employers pay approximately 50% of monthly premiums for individual retirees. The retiree is responsible for 100% of the premium for dependents. Effective January 1, 2018, the total monthly premium for retirees varies according to age group.

Total Collective OPEB Liability and Changes in Total Collective OPEB Liability
At June 30, 2020, the System reported a liability of $275,702 for its proportionate share of the total collective OPEB liability. The total collective OPEB liability was measured as of July 1, 2019, and was determined by an actuarial valuation as of that date. At June 30, 2019, the System reported a liability of $344,852 for its proportionate share of the collective OPEB liability. The total collective OPEB liability was measured as of July 1, 2018, and was determined by an actuarial valuation as of that date.

The System's proportionate share percentage is based on the employer's individual OPEB actuarial accrued liability in relation to the total OPEB actuarial accrued liability for all participating entities included in the State of Louisiana reporting entity. At June 30, 2020, the System's proportion was 0.0036%, a decrease of .0005% from the prior valuation.

7. OTHER POST-EMPLOYMENT BENEFITS PLAN (continued)

The total collective OPEB liability in the July 1, 2019 actuarial valuation was determined using the following actuarial methods, assumptions, and other inputs applied to all periods included in the measurement, unless otherwise specified:

- Actuarial cost method – entry age normal, level percentage of pay
- Estimated remaining service lives – 4.50
- Inflation rate – Consumer Price Index (CPI) – 2.8%
- Salary increase rate – consistent with the State of Louisiana's pension plan
- Discount rate – 2.79% based on the June 30, 2019 Standard & Poors 20-year municipal bond index.
- Mortality rates – based on the RP-2014 Combined Healthy Mortality Table, or RP-2014 Disabled Retiree Mortality Table; both tables projected on a fully generated basis by Mortality Improvement Scale MP-2018.
- Healthcare cost trend rates – 7% for pre-Medicare eligible employees grading down by 0.25% each year, beginning in 2020-2021, to an ultimate rate of 4.5% in 2029; 5.5% for post-Medicare eligible employees grading down by 0.25% each year, beginning in 2020-2021, to an ultimate rate of 4.5% in 2023-2024 and thereafter; the initial trend was developed using the National Health Care Trend Survey; the ultimate trend was developed using a building-block approach which considers the Consumer Price Index, gross domestic product, and technology growth.

Changes of assumptions and other inputs reflect a change in the discount rate from 2.98% to 2.79% as of July 1, 2019 and from 3.13% to 2.98% as of July 1, 2018.

Sensitivity of the Proportionate Share of the Total Collective OPEB Liability to Changes in the Discount Rate

The following presents the System's proportionate share of the total collective OPEB liability using the current discount rate as well as what the System's proportionate share of the total collective OPEB liability would be if it were calculated using a discount rate that is one percentage-point lower or one percentage-point higher than the current rate:

	1.0% Decrease (1.98%)	Current Discount Rate (2.98%)	1.0% Increase (3.98%)
Proportionate share of total collective OPEB liability	$ 321,521	$ 275,702	$ 238,960

7. OTHER POST-EMPLOYMENT BENEFITS PLAN (continued)

Sensitivity of the Proportionate Share of the Total Collective OPEB Liability to Changes in the Healthcare Cost Trend Rates

The following presents the System's proportionate share of the total collective OPEB liability using the current healthcare cost trend rates as well as what the System's proportionate share of the total collective OPEB liability would be if it were calculated using healthcare cost trend rates that are one percentage-point lower or one percentage-point higher than the current rates:

	1.0% Decrease (6.00%)	Current Discount Rate (7.00%)	1.0% Increase (8.00%)
Proportionate share of total collective OPEB liability	$ 236,283	$ 275,702	$ 324,862

OPEB Expense and Deferred Outflows of Resources and Deferred Inflows of Resources Related to OPEB

For the year ended June 30, 2020, the System recognized OPEB benefit of $6,615. At June 30, 2020, the System reported deferred outflows of resources and deferred inflows related to OPEB from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience	$ 3,334	$ (949)
Changes in employer's proportionate share	21,638	-
Changes in assumptions	-	(44,444)
Change in proportionate share of total OPEB liability	-	(33,417)
Difference between proportionate share of employer benefit payments and actual benefit payments	-	(18,004)
Employer contributions subsequent to the measurement date	9,155	-
	$ 34,127	$ (96,814)

Deferred outflows of resources related to OPEB resulting from the System's benefit payments subsequent to the measurement date will be recognized as a reduction of the total collective OPEB liability in the next fiscal year. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to OPEB will be recognized in OPEB expense as follows:

Period Ended	Amount
June 30, 2021	$ (14,526)
June 30, 2022	(20,031)
June 30, 2023	(18,230)
June 30, 2024	(9,900)
	$ (62,687)

8. NET PENSION LIABILITY

The components of the net pension liability of the System at June 30, 2020 and 2019 were as follows:

	2020	2019
Total pension liability	$ 1,254,441,437	$ 1,203,479,513
Plan fiduciary net position	891,750,736	893,350,033
Net pension liability	$ 362,690,701	$ 310,129,480
Plan fiduciary net position as a percentage of the total pension liability	71.1%	74.2%

Actuarial assumptions. The total pension liability was determined by an actuarial valuation as of June 30, 2020 and June 30, 2019, using the following actuarial assumptions, applied to all periods included in the measurements:

Valuation Dates	June 30, 2020 and June 30, 2019
Actuarial Cost Method	Entry Age Normal
Inflation Rate	2.5% per annum
Investment Rate of Return	7.0% per annum, net of investment expenses
Salary Increases	5.25%
Cost of Living Adjustments or Permanent Benefit Increases	COLA/PBI's may be granted from the Experience Account provided that there are sufficient funds needed to offset the increase in the actuarial liability and the plan has met the criteria and eligibility requirements outlined by Act 399 of 2014. COLA/PBI's are considered Ad Hoc raises and therefore, no projections for future increases are included in the liabilities.
Asset Valuation Method	Market

The actuarial assumptions used in the June 30, 2020 and June 30, 2019 valuations were based on the results of actuarial experience studies for the period July 1, 2012 through June 30, 2017.

Mortality rates for the 2020 and 2019 valuations were based on the 2012-2017 experience study which set mortality for annuitants and beneficiaries to 110% of the RP2014 Total Dataset Healthy Annuitant Table for males and 105% of the RP2014 Total Dataset Healthy Annuitant Table for females, each with the full generational MP2017 scale. The RP2014 Disabled Tables were selected for disabled annuitants.

The long-term rate of return on System investments was determined based on the most recent capital market assumptions. Best estimates of geometric real rates of return for each major asset class included in the pension plan's target asset allocation as of June 30, 2020 and June 30, 2019 (see discussion of the System's investment policy in note 5) are summarized in the following table:

8. NET PENSION LIABILITY (continued)

Asset Class	Long-Term Expected Real Rate of Return 2020	2019
Cash	0.90%	0.90%
Domestic Fixed Income	1.94%	1.94%
International Fixed Income	1.20%	1.20%
Domestic Equity	3.60%	3.60%
Developed International Equity	5.50%	5.50%
Emerging Markets Equity	6.80%	6.80%
Alternatives	4.60%	4.60%

Discount rate. The discount rate used to measure the total pension liability was 7.00%. The discount rate may deviate from the valuation rate of 7.00% from year to year based on changing market conditions or changes in plan asset allocation. For the fiscal years ending June 30, 2020 and 2019, the discount rate was developed from a combination of the System's capital market assumptions and those consultants participating in the Horizon Actuarial Consultants "Survey of Capital Market Assumptions," plus the following considerations:

(a) The long-term economic forecast for inflation is projected to be 2.5%.
(b) Investment management expenses adjust the gross rate by 25 basis points and are considered an offset in the development of the discount rate.
(c) COLA's are funded from up to ½ of investment gains in excess of the valuation rate. COLA's are not guaranteed; therefore, there is no adjustment to the discount rate.

Sensitivity of the net pension liability to changes in the discount rate. The following presents the net pension liability of the System calculated using the discount rate of 7.00%, as well as what the System's net pension liability would be if it were calculated using a discount rate that is one percentage point lower (6.0%) or one percentage point higher (8.0%) than the current rate:

	1% Decrease 6.00%	Current Discount Rate 7.00%	1% Increase 8.00%
2020 Net pension liability	$512,856,342	$ 362,690,701	$ 238,184,960
2019 Net pension liability	$455,036,682	$ 310,129,480	$ 190,009,368

9. DEFINED BENEFIT PENSION PLAN FOR SYSTEM EMPLOYEES

Plan Description. Employees of the System are provided with pensions through a cost-sharing multiple-employer defined benefit plan administered by the Louisiana State Employees' Retirement System (LASERS). Section 401 of Title 11 of the Louisiana Revised Statutes (La. R.S. 11:401) grants to LASERS Board of Trustees and the Louisiana Legislature the authority to review administration, benefit terms, investments, and funding of the plan. LASERS issues a publicly available financial report that can be obtained at www.lasersonline.org.

9. DEFINED BENEFIT PENSION PLAN FOR SYSTEM EMPLOYEES (continued)

Benefits Provided. LASERS provides retirement, DROP, disability, and survivors benefits. The following is a description of the plan and its benefits and is provided for general information purposes only. Participants should refer to the appropriate statutes for more complete information.

1. Retirement

The age and years of creditable service required in order for a member to retire with full benefits are established by statute, and vary depending on the member's hire date, employer, and job classification. Our rank and file members hired prior to July 1, 2006, may either retire with full benefits at any age upon completing 30 years of creditable service or at age 60 upon completing ten years of creditable service depending on their plan. Those members hired between July 1, 2006 and June 30, 2015, may retire at age 60 upon completing five years of creditable service and those hired on or after July 1, 2015 may retire at age 62 upon completing five years of creditable service. The basic annual retirement benefit for members is equal to 2.5% to 3.5% of average compensation multiplied by the number of years of creditable service. Additionally, members may choose to retire with 20 years of service at any age, with an actuarially reduced benefit.

Average compensation is defined as the member's average annual earned compensation for the highest 36 consecutive months of employment for members employed prior to July 1, 2006. For members hired July 1, 2006 or later, average compensation is based on the member's average annual earned compensation for the highest 60 consecutive months of employment. The maximum annual retirement benefit cannot exceed the lower of 100% of average compensation or a certain specified dollar amount of actuarially determined monetary limits, which vary depending upon the member's age at retirement. Judges, court officers, and certain elected officials receive an additional annual retirement benefit equal to 1.0% of average compensation multiplied by the number of years of creditable service in their respective capacity. As an alternative to the basic retirement benefits, a member may elect to receive their retirement throughout their life, with certain benefits being paid to their designated beneficiary after their death.

Act 992 of the 2010 Louisiana Regular Legislative Session, changed the benefit structure for LASERS members hired on or after January 1, 2011. This resulted in three new plans: regular, hazardous duty, and judges. The new regular plan includes regular members and those members who were formerly eligible to participate in specialty plans, excluding hazardous duty and judges. Regular members and judges are eligible to retire at age 60 after five years of creditable service and, may also retire at any age, with a reduced benefit, after 20 years of creditable service. Hazardous duty members are eligible to retire with twelve years of creditable service at age 55, 25 years of creditable service at any age or with a reduced benefit after 20 years of creditable service. Average compensation will be based on the member's average annual earned compensation for the highest 60 consecutive months of employment for all three new plans. Members in the regular plan will receive a 2.5% accrual rate, hazardous duty plan a 3.33% accrual rate, and judges a 3.5% accrual rate. The extra 1.0% accrual rate for each year of service for court officers, the governor, lieutenant governor, legislators, House clerk, sergeants at arms, or Senate secretary, employed after January 1, 2011, was eliminated by Act 992. Specialty plan and regular members, hired prior to January 1, 2011, who are hazardous duty employees have the option to transition to the new hazardous duty plan.

Act 226 of the 2014 Louisiana Regular Legislative Session established new retirement eligibility for members of LASERS hired on or after July 1, 2015, excluding hazardous duty plan members. Regular members and judges under the new plan are eligible to retire at age 62 after five years of creditable service and, may also retire at any age, with a reduced benefit, after 20 years of creditable service. Average compensation will be based on the member's average annual earned compensation for the

9. DEFINED BENEFIT PENSION PLAN FOR SYSTEM EMPLOYEES (continued)

highest 60 consecutive months of employment. Members in the regular plan will receive a 2.5% accrual rate, and judges a 3.5% accrual rate, with the extra 1.0% accrual rate based on all years of service as a judge.

Members of the Harbor Police Retirement System who were members prior to July 1, 2014, may retire after 25 years of creditable service at any age, 12 years of creditable service at age 55, 20 years of creditable service at age 45, and 10 years of creditable service at age 60. Average compensation for the plan is the member's average annual earned compensation for the highest 36 consecutive months of employment, with a 3.33% accrual rate.

A member leaving employment before attaining minimum retirement age, but after completing certain minimum service requirements, becomes eligible for a benefit provided the member lives to the minimum service retirement age, and does not withdraw their accumulated contributions. The minimum service requirement for benefits varies depending upon the member's employer and service classification.

2. Deferred Retirement Benefits

The State Legislature authorized LASERS to establish a Deferred Retirement Option Plan (DROP). When a member enters DROP, their status changes from active member to retiree even though they continue to work and draw their salary for a period of up to three years. The election is irrevocable once participation begins. During DROP participation, accumulated retirement benefits that would have been paid to each retiree are separately tracked. For members who entered DROP prior to January 1, 2004, interest at a rate of one-half percent less than the System's realized return on its portfolio (not to be less than zero) will be credited to the retiree after participation ends. At that time, the member must choose among available alternatives for the distribution of benefits that have accumulated in the DROP account. Members who enter DROP on or after January 1, 2004, are required to participate in LASERS Self-Directed Plan (SDP) which is administered by a third-party provider. The SDP allows DROP participants to choose from a menu of investment options for the allocation of their DROP balances. Participants may diversify their investments by choosing from an approved list of mutual funds with different holdings, management styles, and risk factors.

Members eligible to retire and who do not choose to participate in DROP may elect to receive at the time of retirement an initial benefit option (IBO) in an amount up to 36 months of benefits, with an actuarial reduction of their future benefits. For members who selected the IBO option prior to January 1, 2004, such amount may be withdrawn or remain in the IBO account earning interest at a rate of one-half percent less than the System's realized return on its portfolio (not to be less than zero). Those members who select the IBO on or after January 1, 2004, are required to enter the SDP as described above.

For members who are in the Harbor Police Plan, the annual DROP Interest Rate is the three-year average (calculated as the compound average of 36 months) investment return of the plan assets for the period ending the June 30th immediately preceding that given date. The average rate so determined is to be reduced by a "contingency" adjustment of 0.5%, but not to below zero. DROP interest is forfeited if member does not cease employment after DROP participation.

9. DEFINED BENEFIT PENSION PLAN FOR SYSTEM EMPLOYEES (continued)

3. Disability Benefits

Generally, active members with ten or more years of credited service who become disabled may receive a maximum disability retirement benefit equivalent to the regular retirement formula without reduction by reason of age.

Upon reaching age 60, the disability retiree may receive a regular retirement benefit by making application to the Board of Trustees.

For injuries sustained in the line of duty, hazardous duty personnel in the Hazardous Duty Services Plan will receive a disability benefit equal to 75% of final average compensation.

Members of the Harbor Police Retirement System who become disabled may receive a non-line of duty disability benefit after five years or more of credited service. Members age 55 or older may receive a disability benefit equivalent to the regular retirement benefit. Under age 55, the disability benefit is equal to 40% of final average compensation. Line-of-duty disability benefits are equal to 60% of final average compensation, regardless of years of credited service. If the disability benefit retiree is permanently confined to a wheelchair, or, is an amputee incapable of serving as a law enforcement officer, or the benefit is permanently legally binding, there is no reduction to the benefit if the retiree becomes gainfully employed.

4. Survivor's Benefits

Certain eligible surviving dependents receive benefits based on the deceased member's compensation and their relationship to the deceased. The deceased regular member hired before January 1, 2011 who was in state service at the time of death must have a minimum of five years of service credit, at least two of which were earned immediately prior to death, or who had a minimum of twenty years of service credit regardless of when earned in order for a benefit to be paid to a minor or handicapped child. Benefits are payable to an unmarried child until age 18, or age 23 if the child remains a full-time student. The aforementioned minimum service credit requirement is ten years for a surviving spouse with no minor children, and benefits are to be paid for life to the spouse or qualified handicapped child.

The deceased regular member hired on or after January 1, 2011, must have a minimum of five years of service credit regardless of when earned in order for a benefit to be paid to a minor child. The aforementioned minimum service credit requirements for a surviving spouse are 10 years, 2 years being earned immediately prior to death, and active state service at the time of death, or a minimum of 20 years of service credit regardless of when earned. A deceased member's spouse must have been married for at least one year before death.

Non-line of duty survivor benefits of the Harbor Police Retirement System may be received after a minimum of five years of credited service. Survivor benefits paid to a surviving spouse without children are equal to 40% of final average compensation, and cease upon remarriage. Surviving spouse with children under 18 years benefits are equal to 60% of final average compensation, and cease upon remarriage, and children turning 18. No minimum service credit is required for line of duty survivor benefits which are equal to 60% of final average compensation to surviving spouse, regardless of children. Line of duty survivor benefits cease upon re-marriage, and then benefit is paid to children under 18.

9. DEFINED BENEFIT PENSION PLAN FOR SYSTEM EMPLOYEES (continued)

5. Permanent Benefit Increases/Cost-of-Living Adjustments
As fully described in Title 11 of the Louisiana Revised Statutes, LASERS allows for the payment of permanent benefit increases, also known as cost-of-living adjustments (COLAs) that are funded through investment earnings when recommended by the Board of Trustees and approved by the State Legislature.

Contributions
Contribution requirements of active employees are governed by Section 401 of Title 11 of the Louisiana Revised Statutes (La. R.S. 11:401) and may be amended by the Louisiana Legislature. Employee and employer contributions are deducted from a member's salary and remitted to LASERS by participating employers. The rates in effect during the year ended June 30, 2020 for the various plans follow:

Plan	Plan Status	Employer Rate
Appellate Law Clerks	Closed	37.90%
Appellate Law Clerks hired on or after 7/01/06	Open	37.90%
Alcohol Tobacco Control	Closed	31.40%
Bridge Police	Closed	36.70%
Bridge Police hired on or after 7/01/06	Closed	36.70%
Corrections Primary	Closed	33.50%
Corrections Secondary	Closed	37.70%
Harbor Police	Closed	7.10%
Hazardous Duty	Open	38.50%
Judges hired before 1/01/11	Closed	40.10%
Judges hired after 12/31/10	Closed	39.00%
Judges hired on or after 7/01/15	Open	39.00%
Legislators	Closed	41.60%
Optional Retirement Plan (ORP) before 7/01/06	Closed	33.10%
Optional Retirement Plan (ORP) on or afer 7/01/06	Closed	33.10%
Peace Officers	Closed	36.70%
Regular Employees hired before 7/01/06	Closed	37.90%
Regular Employees hired on or after 7/01/06	Closed	37.90%
Regular Employees hired on or after 1/01/11	Closed	37.90%
Regular Employees hired on or after 7/01/15	Open	37.90%
Special Legislative Employees	Closed	43.60%
Wildlife Agents	Closed	46.60%

The System's contractually required composite contribution rate for the year ended June 30, 2020 was 40.7% of annual payroll, actuarially determined as an amount that, when combined with employee contributions, is expected to finance the costs of benefits earned by employees during the year, with an additional amount to finance any Unfunded Actuarial Accrued Liability. Contributions to LASERS from the System were $129,697 for the year ended June 30, 2020.

9. DEFINED BENEFIT PENSION PLAN FOR SYSTEM EMPLOYEES (continued)

Pension Liabilities, Pension Expense, and Deferred Outflows of Resources and Deferred Inflows of Resources Related to Pensions

At June 30, 2020, the System reported a liability of $1,113,471 for its proportionate share of the Net Pension Liability. The Net Pension Liability was measured as of June 30, 2019 and the total pension liability used to calculate the Net Pension Liability was determined by an actuarial valuation as of that date. The System's proportion of the Net Pension Liability was based on a projection of the System's long-term share of contributions to the pension plan relative to the projected contributions of all participating employers, actuarially determined. At June 30, 2020, the System's proportion was 0.01627%, which was a decrease of 0.0009% from its proportion measured as of June 30, 2019.

For the year ended June 30, 2020, the System recognized pension expense of $143,570 less employer's amortization of change in proportionate share and differences between employer contributions and proportionate share of contributions, $27,709.

At June 30, 2020, the System reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

	Deferred Outflows of Resources	Deferred Inflows of Resources
Differences between expected and actual experience	$ 6,837	$ (2,314)
Changes of assumptions	9,541	-
Net difference between projected and actual earnings on investments	38,469	-
Chnages in proportion and differences between employer contributions and proportionate share of contributions	1,402	(50,141)
Employer contributions subsequent to the measurement date	129,697	
	$ 185,946	$ (52,455)

$129,697 reported as deferred outflows of resources related to pensions resulting from System contributions subsequent to the measurement date will be recognized as a reduction of the Net Pension Liability in the year ended June 30, 2019. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense as follows:

Year ended June 30:	
2021	$ 8,252
2022	(29,462)
2023	10,584
2024	14,420

9. DEFINED BENEFIT PENSION PLAN FOR SYSTEM EMPLOYEES (continued)

Actuarial Assumptions
A summary of the actuarial methods and assumptions used in determining the total pension liability as of June 30, 2019 are as follows:

Valuation Date	June 30, 2019
Actuarial Cost Method	Entry Age Normal
Actuarial Assumptions:	
Expected Remaining Service Lives	2 years
Investment Rate of Return	7.60% per annum
Inflation Rate	2.50% per annum
Mortality	**Non-disabled members -** Mortality rates based on the RP-2014 Healthy Mortality Table with mortality improvement projected to 2018. **Disabled members** – Mortality rates based on the RP-2000 Disabled Retiree Mortality Table, with no projection for mortality improvement.
Termination, Disability, and Retirement	Termination, disability, and retirement assumptions were projected based on a five-year (2014-2018) experience study of the System's members.
Salary Increases	Salary increases were projected based on a 2014-2018 experience study of the System's members. The salary increase ranges for specific types of members are:

Member Type	Lower Range	Upper Range
Regular	3.2%	13.0%
Judges	2.8%	5.3%
Corrections	3.8%	14.0%
Hazardous Duty	3.8%	14.0%
Wildlife	3.8%	14.0%

Cost of Living Adjustments	The present value of future retirement benefits is based on benefits currently being paid by the System and includes previously granted cost of living increases. The projected benefit payments do not include provisions for potential future increases not yet authorized by the Board of Trustees as they were deemed not to be substantively automatic.

The long-term expected rate of return on pension plan investments was determined using a building-block method in which best-estimate ranges of expected future real rates of return (expected returns, net of pension plan investment expense and inflation) are developed for each major asset class. These ranges

9. DEFINED BENEFIT PENSION PLAN FOR SYSTEM EMPLOYEES (continued)

are combined to produce the long-term expected rate of return by weighting the expected future real rates of return by the target asset allocation percentage and by adding an expected inflation rate of 2.75% and an adjustment for the effect of rebalancing/diversification. The resulting expected long-term rate of return is 9.00% for 2019. The target allocation and best estimates of geometric real rates of return for each major asset class included in the pension plan's target asset allocation as of June 30, 2019 are summarized in the following table:

Asset Class	Long-Term Expected Real Rate of Return
Cash	0.24%
Domestic Equity	4.83%
International Equity	5.83%
Domestic Fixed Income	2.79%
International Fixed Income	4.49%
Alternative Investments	5.06%
Risk Parity	6.09%
Total	

Discount Rate

The discount rate used to measure the total pension liability was 7.60%. The projection of cash flows used to determine the discount rate assumed that employee contributions will be made at the current contribution rates and that contributions from participating employers will be made at the actuarially determined rates approved by PRSAC taking into consideration the recommendation of the pension plan's actuary. Based on those assumptions, the pension plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefit payments to determine the total pension liability.

Sensitivity of the Employer's Proportionate Share of the Net Pension Liability to Changes in the Discount Rate

The following presents the System's proportionate share of the Net Pension Liability using the discount rate of 7.60%, as well as what the System's proportionate share of the Net Pension Liability would be if it were calculated using a discount rate that is one percentage point lower or one percentage point higher than the current rate:

	1.0% Decrease 6.60%	Current Discount Rate 7.60%	1.0% Decrease 6.60%
Employers proportionate share of the net pension liability	$ 1,405,342	$ 1,113,471	$ 866,937

9. DEFINED BENEFIT PENSION PLAN FOR SYSTEM EMPLOYEES (continued)

Pension Plan Fiduciary Net Position

Detailed information about the pension plan's fiduciary net position is available in the separately issued LASERS 2019 Comprehensive Annual Financial Report at www.lasersonline.org.

10. FAIR VALUE DISCLOSURES

The System categorizes fair value measurements within the fair value hierarchy established by GASB Statement No. 72, *Fair Value Measurements and Application.* The valuation technique uses a three level hierarchy of inputs to measure the fair value of the asset and gives the highest priority to unadjusted quoted prices in active markets (Level 1 measurement) and the lowest priority to unobservable inputs (Level 3 measurement). These qualifications are summarized as follows:

Level 1 Inputs: Quoted prices (unadjusted) for identical assets or liabilities in active markets that a reporting entity can access at the measurement date.

Level 2 Inputs: Inputs other than quoted prices included within Level 1 that are observable for an asset or liability, either directly or indirectly.

Level 3 Inputs: Unobservable inputs for either an asset or liability.

In the event that inputs used to measure the fair value of an asset or liability fall into different levels in the fair value hierarchy, the overall level of the fair value hierarchy in its entirety is determined based on the lowest level input that is significant to the entire valuation. These levels are not necessarily an indication of risk, but are based upon the pricing transparency of the investment. In determining the appropriate levels, the System performed a detailed analysis of the assets and liabilities that are subject to GASB Statement No. 72.

		Fair Value Measurements Using		
Investments by Fair Value Level	June 30, 2020	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Domestic Fixed Income	$ 148,811,254	$ 1,711,689	$ 105,013,892	$ 42,085,673
International Fixed Income	28,144,760	-	-	28,144,760
Domestic Equity	409,506,650	153,549,601	116,452,117	139,504,932
Developed International Equity	108,800,583	8,172,281	45,669,262	54,959,040
Emerging Markets Equity	54,186,949	-	-	54,186,949
Alternative	121,643,446	679,762	-	120,963,684
Short-Term	19,123,431	-	19,123,431	-
	$ 890,217,073	$ 164,113,333	$ 286,258,702	$ 439,845,038

10. FAIR VALUE DISCLOSURES (continued)

		Fair Value Measurements Using		
Investments by Fair Value Level	June 30, 2019	Quoted Prices in Active Markets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Domestic Fixed Income	$ 135,386,626	$ 783,454	$ 103,703,687	$ 30,899,485
International Fixed Income	28,144,910	-	-	28,144,910
Domestic Equity	391,708,681	158,250,949	96,653,850	136,803,882
Developed International Equity	113,638,994	10,332,462	51,204,696	52,101,836
Emerging Markets Equity	63,210,367	-	-	63,210,367
Alternative	115,926,133	539,923	-	115,386,210
Short-Term	41,788,076	-	41,788,076	-
	$ 889,803,787	$ 169,906,788	$ 293,350,309	$ 426,546,690

Debt and equity securities classified in Level 1 of the fair value hierarchy are valued using prices quoted in active markets for those securities. Debt and equity investments classified in Level 2 of the fair value hierarchy are valued using a matrix pricing technique. Matrix pricing is used to value securities based on the securities' relationship to benchmark quoted prices.

Investments classified in Level 3 of the fair value hierarchy are valued using unobservable inputs and are not directly corroborated with market data.

11. CLAIMS AND LITIGATION

From time to time, the System may be involved in proceedings, civil service matters, claims or litigation arising in the ordinary course of its business. Although the outcome of such matters is not predictable with assurance, System management, upon advice of legal counsel, has no reason to believe that the disposition of any such current matter could reasonably be expected to have a material adverse effect on the System's financial position, results of operations or the ability to carry on any of its business activities.

12. COVID–19 PANDEMIC

On March 11, 2020, the World Health Organization characterized coronavirus (COVID-19) as a pandemic, and on March 13, the President of the United States declared a national emergency relating to the disease. In addition to the President's declaration, state and local authorities have recommended social distancing and have imposed quarantine and isolation measures on large portions of the population, including mandatory business closures. These measures are designed to protect the overall public health. The US Congress and President, in conjunction with the Federal Reserve, have provided unprecedented liquidity to the financial markets, dramatically reduced interest rates, and implemented the Paycheck Protection Program to assist those who have become unemployed due to the pandemic. The pandemic, resulting in an unprecedented increase in unemployment, is expected to have material adverse impacts on domestic and foreign economies and has resulted in the United States entering a period of recession. The length, breadth and severity of the pandemic and resulting economic impact is unknown.

The System invests in mutual funds with underlying assets consisting of any combination of the following securities, and the System invests directly in, stocks, bonds, fixed income securities, cash & equivalents, real estate, alternative and other investment securities. Investment securities are exposed to various risks, such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment

12. COVID–19 PANDEMIC (continued)

securities, it is at least reasonably possible that changes in the fair values of investment securities will occur and that such changes could materially affect the System's market value of its investments.

As a result of COVID-19, there has been heightened market risk and volatility associated with the pandemic, and this could materially affect the System's market value of its investments. Because of the uncertainty of the COVID-19 virus, the impact it may have on the domestic and global economies and financial markets, Plan management is unable to estimate the total impact the pandemic may have.

The U.S. Congress and President passed various Acts in an attempt to mitigate some negative economic aspects resulting from the COVID-19 pandemic. The Coronavirus Aid, Relief, and Economic Security Act (the CARES Act) and the Setting Every Community Up for Retirement Enhancement Act of 2019 (the SECURE Act), provide the System additional latitude as to permit certain eligible individuals to receive coronavirus-related relief, such as in the form of suspending required minimum distributions, and delay the commencement date for required minimum distributions. Various optional features within these Acts have been assessed and implemented. As required, written amendments to the System to reflect these operational changes will be adopted at a later date in accordance with applicable law and legal guidance.

REQUIRED SUPPLEMENTARY INFORMATION

LOUISIANA STATE POLICE RETIREMENT SYSTEM
STATE OF LOUISIANA
SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS
FOR THE FISCAL YEARS ENDED JUNE 30, 2014 - 2020

	2020	2019	2018	2017	2016	2015	2014
Total pension liability							
Service cost	$ 23,164,627	$ 24,640,341	$ 21,815,380	$ 20,142,171	$ 21,782,979	$ 17,522,579	$ 14,007,680
Interest	83,735,245	79,654,487	74,347,284	70,439,704	63,046,379	56,560,446	53,921,348
Changes in benefit terms	-	-	-	-	-	-	-
Changes in plan experience	5,961,668	14,795,010	(3,341,851)	6,703,646	53,450,657	42,197,523	7,857,186
Changes of assumptions	-	46,005	31,066,760	214,168	-	-	6,323,629
Changes in investment experience	-	-	-	-	-	-	-
Benefit payments, including refunds of member contributions	(64,204,317)	(60,500,396)	(48,834,108)	(43,542,799)	(42,498,921)	(43,375,751)	(42,008,803)
Other	2,304,701	3,588,521	3,755,121	1,863,632	-	-	-
Net change in total pension liability	50,961,924	62,223,968	78,808,586	55,820,522	95,781,094	72,904,797	40,101,040
Total pension liability - beginning	1,203,479,513	1,141,255,545	1,062,446,959	1,006,626,437	910,845,343	837,940,546	797,839,506
Total pension liability - ending	$ 1,254,441,437	$ 1,203,479,513	$ 1,141,255,545	$ 1,062,446,959	$ 1,006,626,437	$ 910,845,343	$ 837,940,546
Plan fiduciary net position							
Contributions - employer	$ 43,663,397	$ 42,081,804	$ 47,922,310	$ 48,556,048	$ 56,380,440	$ 53,798,059	43,340,125
Contributions - member	7,242,509	7,193,639	7,554,190	7,183,798	7,106,355	5,445,928	4,564,590
Net investment income	10,220,611	35,483,325	73,992,711	98,946,529	(10,925,214)	18,930,376	94,079,752
Transfers in	-	-	-	1,672,771	2,790,739	2,233,690	2,309,966
Benefit payments, including refunds of member contributions	(64,204,317)	(60,500,396)	(48,834,108)	(43,542,799)	(42,498,921)	(43,375,751)	(42,008,803)
Change in accounting principle	-	-	-	-	-	-	(775,936)
Administrative expense	(826,198)	(805,898)	(653,534)	(824,891)	(711,463)	(701,823)	(590,854)
Other	2,304,701	3,588,521	3,755,121	157,723	(35,226)	(31,694)	(31,831)
Net change in plan fiduciary net position	(1,599,297)	27,040,995	83,736,690	112,149,179	12,106,710	36,298,785	100,887,009
Plan fiduciary net position - beginning	$ 893,350,033	$ 866,309,038	$ 782,572,348	$ 670,423,169	658,316,459	622,017,674	521,130,665
Plan fiduciary net position - ending	$ 891,750,736	$ 893,350,033	$ 866,309,038	$ 782,572,348	$ 670,423,169	$ 658,316,459	$ 622,017,674
Net pension liability - ending	$ 362,690,701	$ 310,129,480	$ 274,946,507	$ 279,874,611	$ 336,203,268	$ 252,528,884	$ 215,922,872
Plan fiduciary net position as a percentage of the total pension liability	71.1%	74.2%	75.9%	73.7%	66.6%	72.3%	74.2%
Covered-employee payroll	$ 83,464,067	$ 83,302,260	$ 87,172,563	$ 83,077,537	$ 82,032,742	$ 64,632,596	$ 54,331,845
Net pension liability as a percentage of covered-employee payroll	434.5%	372.3%	315.4%	336.9%	409.8%	390.7%	397.4%

Schedule is intended to show information for 10 years. Additional years will be presented as they become available.

LOUISIANA STATE POLICE RETIREMENT SYSTEM
STATE OF LOUISIANA
SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS
FOR THE FISCAL YEARS ENDED JUNE 30, 2014 - 2020

Notes to schedule:

The 2015 change of assumptions refers to a cost-of-living increase which was effective June 30, 2014, but payment deferred to July 1, 2014. In fiscal year 2015, changes in plan experience include losses due to the inclusion of the employer contribution variance of $14,295,186, amortization of administrative expenses, and the accumulated accounting adjustment from the prior year, which are reported separately for funding purposes. In fiscal year 2016, changes in plan experience include a COLA/PBI distribution of $9,226,746. In fiscal year 2017, changes were made to the statistics related to family composition and rates of remarriage, the inflation rate was lowered from 2.75% to 2.5% to better align with the valuation interest rate, and decrement levels and salary scale were only adjusted to the extending the use of the earliest retirement rate to ages 43 through 46. In fiscal year 2017, changes in plan experience represent a gain on fiscal 2018 liability experience. The total number of retirements and disabilities were below projected levels while retiree deaths were above projected levels. Salary levels were below projected levels. The change of assumptions is related to the change in the entry age actuarial accrued liability due to changes in the assumptions related to the latest experience study. In fiscal year 2019, changes in plan experience were primarily due to number of retirements being significantly above projected levels. In fiscal year 2020, changes in plan experience were primarily due to salary increases for members with 11-22 years of experience exceeding assumed levels.

LOUISIANA STATE POLICE RETIREMENT SYSTEM
STATE OF LOUISIANA
SCHEDULES OF EMPLOYER CONTRIBUTIONS
FOR THE 10 FISCAL YEARS ENDING JUNE 30, 2020

	2020	2019	2018	2017	2016
Actuarially determined contribution	$ 42,480,857	$ 37,403,274	$ 44,035,699	$ 39,852,001	$ 42,964,185
Contributions in relation to the actuarially determined contribution	43,663,397	42,081,804	48,556,048	56,380,440	53,798,059
Contribution deficiency (excess)	$ (1,182,540)	$ (4,678,530)	$ (4,520,349)	$ (16,528,439)	$ (10,833,874)
Covered-employee payroll	$ 83,464,067	$ 83,302,260	$ 83,077,537	$ 82,032,742	$ 64,414,071
Contributions as a percentage of covered-employee payroll	52.31%	50.52%	58.45%	68.73%	83.52%

	2015	2014	2013	2012	2011
Actuarially determined contribution	$ 40,865,616	$ 39,233,624	$ 34,675,839	$ 33,631,028	$ 34,808,643
Contributions in relation to the actuarially determined contribution	43,340,125	42,637,442	37,233,697	36,805,583	28,588,993
Contribution deficiency (excess)	$ (2,474,509)	$ (3,403,818)	$ (2,557,858)	$ (3,174,555)	$ 6,219,650
Covered-employee payroll	$ 53,629,417	$ 55,571,706	$ 58,083,482	$ 60,596,447	$ 68,118,675
Contributions as a percentage of covered-employee payroll	80.81%	76.73%	64.10%	60.74%	41.97%

Notes to schedule:

Valuation date: June 30, 2020

Methods and assumptions used to determine contribution rates:

Actuarial cost method	Entry Age Normal
Remaining amortization period	25 years
Asset valuation method	Market
Inflation	2.5%
Salary increases	5.25%
Investment rate of return	7.5% through 2013; 7.0% beginning in 2014
Retirement age	See note 1 to the financial statements
Mortality	Mortality rates were based on the 2012-2017 experience study. As a result of this study, mortality for annuitants and beneficiaries was set equal to 110% of the RP2014 Total Dataset Healthy Annuitant Table for males and 105% of the RP2014 Total Dataset Healthy Annuitant Table for females, each with the full generational MP2017 scale. In addition, mortality for employees was set based on the RP2014 Employee Tables with the same full generational MP2017 scale for mortality improvement and the same multipliers as the annuitant mortality tables (i.e., 110% for males and 105% for females). The RP2014 Disabled Tables were selected for disabled lives mortality with the same full generational MP2017 scale for mortality improvement as the annuitant mortality tables.

LOUISIANA STATE POLICE RETIREMENT SYSTEM
STATE OF LOUISIANA
SCHEDULES OF INVESTMENT RETURNS
FOR THE FISCAL YEARS ENDING JUNE 30, 2014 - 2020

Fiscal Year-End	Annual Money-Weighted Rate of Return *
June 30, 2014	18.07%
June 30, 2015	3.03%
June 30, 2016	-1.62%
June 30, 2017	14.59%
June 30, 2018	9.60%
June 30, 2019	4.21%
June 30, 2020	1.31%

* Annual money-weighted rates of return are presented net of investment expense.

Schedule is intended to show information for 10 years. Additional years will be presented as they become available.

LOUISIANA STATE POLICE RETIREMENT SYSTEM
STATE OF LOUISIANA
SCHEDULES OF THE EMPLOYER'S PROPORTIONATE SHARE OF THE NET PENSION LIABILITY AND EMPLOYER CONTRIBUTIONS (LASERS)
FOR THE FISCAL YEAR ENDING JUNE 30, 2020

Schedules of the Employer's Proportionate Share of the Net Pension Liability (LASERS)

Fiscal Year	System's proportion of the net pension liability (asset)	System's proportionate share of the net pension liability (asset)	System's covered employee payroll	System's proportionate share of the net pension liability (asset) as a percentage of its covered-employee payroll	Plan fiduciary net position as a percentage of the total pension liability
2015	0.01476%	$ 922,989	$ 270,976	341%	65.0%
2016	0.01566%	1,064,777	290,143	367%	62.7%
2017	0.01666%	1,308,392	307,398	426%	57.7%
2018	0.01680%	1,182,664	314,040	377%	62.5%
2019	0.01627%	1,109,398	327,172	339%	64.3%
2020	0.01537%	1,113,471	305,712	364%	62.9%

* Amounts presented were determined as of the measurement date (previous fiscal year end).
This schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

Schedules of Employer Contributions

Date	Contractually Required Contribution	Contributions in Relation to Contractually Required Contribution	Contribution Deficiency (Excess)	Employer's Covered Employee Payroll	Contributions as a % of Covered Employee Payroll
2015	$ 107,353	$ 107,353	$ -	$ 290,143	37.0%
2016	114,514	114,514	$ -	307,398	37.3%
2017	112,084	112,084	$ -	313,272	35.8%
2018	119,021	119,021	$ -	314,040	37.9%
2019	123,998	123,998	$ -	327,172	37.9%
2020	124,425	129,697	$ (5,272)	305,712	40.7%

* Amounts presented were determined as of the end of the fiscal year.
This schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

Notes to Required Supplementary Information

Changes of Benefit Terms

A 1.5% COLA, effective July 1, 2014, provided by Act 102 of the 2014 Louisiana Regular Legislative Session, and improved benefits for certain members employed by the Office of Adult Probation and Parole within the Department of Public Safety and Corrections as established by Act 852 of 2014.

A 1.5% COLA, effective July 1, 2016, provided by Acts 93 and 512 of the 2016 Louisiana Regular Legislative Session and added benefits for members of the Harbor Police Retirement System.

Changes of Assumptions

The discount rate decreased from 7.70% to 7.65% in the June 30, 2018 valuation. The discount rate changed from 7.65% to 7.70%, the inflation rate changed from 3.00% to 2.75%, and projected salary increases changed from 3.00%-14.50% to 2.80%-14.30% in the June 30, 2017 valuation.

LOUISIANA STATE POLICE RETIREMENT SYSTEM
STATE OF LOUISIANA
SCHEDULES OF EMPLOYER'S PROPORTIONATE SHARE OF THE TOTAL COLLECTIVE OPEB LIABILITY
FOR THE FISCAL YEARS ENDING JUNE 30, 2018 - 2020

Fiscal Year	System's proportion of the total collective OPEB liability	System's proportionate share of the total collective OPEB liability	System's covered-employee payroll	System's proportionate share of the total collective OPEB liability as a percentage of its covered-employee payroll
2020	0.00360%	$ 275,702	$ 302,581	91%
2019	0.00400%	344,852	314,039	110%
2018	0.00360%	314,106	314,040	100%

Amounts presented were determined as of the measurement date (previous fiscal year end).

This schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

Notes to Required Supplementary Information

There are no assets accumulated in a trust that meets the requirements in paragraph 4 of GASB Statement 75 to pay related benefits.

Changes of Assumptions
In the valuation for 2018, the discount rate decreased from 3.13% to 2.98%. Baseline per capita costs were updated based on 2019 premiums. The impact of the High Cost Excise Tax was revisited, reflecting updated plan premiums. The Louisiana State Police Retirement System, the Louisiana School Employees' Retirement System, and the Teachers' Retirement System of Louisiana adopted new assumptions based on experience studies and the demographic assumptions have been updated for those assumptions. The percentage of future retirees assumed to elect medical coverage was modified based on recent plan experience. Refinements were made to the valuation model to incorporate available census information, including: (a) an adjustment to liabilities to reflect the deferral of benefit commencement and the years of service accrual that occur between the DROP entry date and the DROP end date, and (b) reflection of available OGB participation service for employees who transfer between pension plans.

In the valuation for 2019, the discount rate decreased from 2.98% to 2.79%.

SUPPLEMENTARY INFORMATION

LOUISIANA STATE POLICE RETIREMENT SYSTEM
STATE OF LOUISIANA
SCHEDULE OF BOARD COMPENSATION
FOR THE FISCAL YEAR ENDED JUNE 30, 2020

Board Member	Amount
Baxter Welch	$ 1,318
	$ 1,318

The members are receiving per diem payments and reimbursement for mileage in accordance with Louisiana Revised Statute 11:182 and PPM 49, respectively.

LOUISIANA STATE POLICE RETIREMENT SYSTEM
STATE OF LOUISIANA
SCHEDULES OF ADMINISTRATIVE EXPENSES
FOR THE FISCAL YEARS ENDED JUNE 30, 2020 AND 2019

	2020	2019
Salaries	$ 383,656	$ 341,893
Salary related expenses	139,243	136,564
Accounting and auditing	60,935	60,935
Actuarial fees	43,800	47,779
Computer consulting	18,073	18,183
Dues and subscriptions	5,621	877
Equipment rental	7,779	7,568
Insurance	4,189	4,113
Legal fees	54,065	73,172
Maintenance and repairs	25,026	18,592
Medical examinations	1,227	1,814
Miscellaneous	7,245	2,923
Other post-employment benefits	(6,615)	15,427
Postage	15,001	14,074
Office supplies	14,449	7,951
Recruiting	-	1,162
Telephone	1,690	2,695
Travel and seminars	11,044	8,816
Board fees	1,318	2,243
Utilities	6,796	7,276
	$ 794,542	$ 774,057

LOUISIANA STATE POLICE RETIREMENT SYSTEM
STATE OF LOUISIANA
SCHEDULES OF INVESTMENTS
FOR THE FISCAL YEARS ENDED JUNE 30, 2020 AND 2019

	2020		2019	
	Cost	**Market Value**	**Cost**	**Market Value**
Short-term investments	$ 19,123,431	$ 19,123,431	$ 41,788,076	$ 41,788,076
Domestic fixed income investments	133,089,295	148,811,254	122,033,317	135,386,626
International fixed income investments	23,844,978	28,144,760	23,946,657	28,144,910
Domestic equity investments	245,646,063	409,506,650	238,977,712	391,708,681
Developed international equity investments	108,420,730	108,800,583	106,089,710	113,638,994
Emerging markets equity investments	50,612,769	54,186,949	50,612,769	63,210,367
Alternative investments	106,382,141	121,643,446	99,399,552	115,926,133
Totals	$ 687,119,407	$ 890,217,073	$ 682,847,793	$ 889,803,787

OTHER REPORT REQUIRED BY GOVERNMENT AUDITING STANDARDS

Hienz & Macaluso LLC
Certified Public Accountants

INDEPENDENT AUDITOR'S REPORT ON INTERNAL CONTROL OVER FINANCIAL REPORTING AND ON COMPLIANCE AND OTHER MATTERS BASED ON AN AUDIT OF FINANCIAL STATEMENTS PERFORMED IN ACCORDANCE WITH *GOVERNMENT AUDITING STANDARDS*

LOUISIANA STATE POLICE RETIREMENT SYSTEM
STATE OF LOUISIANA
Baton Rouge, Louisiana

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the Louisiana State Police Retirement System (System), as of and for the year ended June 30, 2020, and the related notes to the financial statements, which collectively comprise the System's basic financial statements, and have issued our report thereon dated September 21, 2020.

Internal Control over Financial Reporting
In planning and performing our audit of the financial statements, we considered the System's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the System's internal control. Accordingly, we do not express an opinion on the effectiveness of the System's internal control.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

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Compliance and Other Matters
As part of obtaining reasonable assurance about whether the System's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report
The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose. Under Louisiana Revised Statute 24:513, this report is distributed by the Legislative Auditor as a public document.

Hienz & Macaluso, LLC
Metairie, LA
September 21, 2020