

Teachers' Retirement System of Louisiana
Financial Report
June 30, 2022

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Independent Auditor's Report

To the Board of Trustees
Teachers' Retirement System of Louisiana
Baton Rouge, Louisiana

Report on the Audit of the Financial Statements

Opinion

We have audited the accompanying financial statements of the Teachers' Retirement System of Louisiana (TRSL), a component unit of the State of Louisiana, as of and for the years ended June 30, 2022 and 2021, and the related notes to the financial statements, which collectively comprise the Teachers' Retirement System of Louisiana's basic financial statements as listed in the table of contents.

In our opinion, the financial statements referred to above present fairly, in all material respects, the fiduciary net position of the Teachers' Retirement System of Louisiana as of June 30, 2022 and 2021, and the changes in fiduciary net position for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion

We conducted our audit 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. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Teachers' Retirement System of Louisiana, and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for 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.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Teachers' Retirement System of Louisiana's ability to continue as a going concern for twelve months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an

audit conducted in accordance with generally accepted auditing standards and *Government Auditing Standards* will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with generally accepted auditing standards and *Government Auditing Standards*, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit 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 Teachers' Retirement System of Louisiana's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Teachers' Retirement System of Louisiana's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Emphasis of Matter

As discussed in Note 1 to the financial statements, the total pension liability for TRSL was \$34.6 billion at June 30, 2022. The actuarial valuation was based on various assumptions made by TRSL'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, 2022 could be understated or overstated.

As discussed in Note 4 to the financial statements, the financial statements include investments that are not listed on national exchanges or for which quoted market prices are not available. These investments include private assets and investments in real assets. Such investments totaled \$11.8 billion (48% of total investments) at June 30, 2022. Where a publicly listed price is not available, the management of TRSL uses alternative sources of information including audited financial statements, unaudited interim reports, independent appraisals, and similar evidence to determine the fair value of investments. Our opinion is not modified with respect to this matter.

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis and required supplementary information, as listed in the table of contents, be presented to supplement the basic financial statements. Such information is the responsibility of management and, 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. For the years ended June 30, 2022 and 2021, 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.

Other Information

Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise the Teachers' Retirement System of Louisiana's basic financial statements. The supporting schedules, as listed in the table of contents, are presented for purposes of additional analysis and are not a required part of the basic financial statements. The supporting schedules 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. The 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 supplementary schedules are fairly stated, in all material respects, in relation to the basic financial statements as a whole.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated September 28, 2022 on our consideration of TRSL'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 the effectiveness of TRSL's 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 TRSL's internal control over financial reporting and compliance.

Hawthorn, Waymorth & Carroll, L.L.P.

September 28, 2022

**Teachers' Retirement System of Louisiana
Management's Discussion and Analysis
As of and for the Years Ended June 30, 2022 and 2021**

Management is pleased to provide this overview and analysis of TRSL's financial performance. This narrative overview and analysis assists in interpreting the key elements of the financial statements, notes to the financial statements, required supplementary information, and supporting schedules for 2022 and 2021. We encourage readers to consider the information and data presented here in conjunction with information provided in other areas of the financial section.

Financial Highlights

- The net position restricted for pensions was \$25.1 billion in 2022 compared to \$27.7 billion in 2021, and \$21.2 billion in 2020.
- The market rate of return on the System's investments was -7.3% (gross of fees) for 2022 compared to 36.4% for 2021 and 1.4% for 2020.
- TRSL had a net pension liability of \$9.5 billion for 2022 compared to \$5.3 billion for 2021, and \$11.1 billion for 2020.
- Benefit payments and refunds were \$2.4 billion in 2022, \$2.3 billion in 2021, and \$2.2 billion in 2020.

Overview of the Financial Statements

TRSL's basic financial statements include the following:

- Statements of Fiduciary Net Position,
- Statements of Changes in Fiduciary Net Position, and
- Notes to the Financial Statements.

This report also contains required supplementary information and supporting schedules, in addition to the basic financial statements.

The *Statements of Fiduciary Net Position* report the System's assets, liabilities, and resultant net position restricted for pensions. They disclose the financial position of the System as of June 30, 2022 and 2021.

The *Statements of Changes in Fiduciary Net Position* report the results of the System's operations during the years, disclosing the additions to and deductions from the fiduciary net position. They support the change that has occurred to the prior year's net position on the statement of fiduciary net position.

**Teachers' Retirement System of Louisiana
Management's Discussion and Analysis
As of and for the Years Ended June 30, 2022 and 2021**

Overview of the Financial Statements (Continued)

The *Notes to the Financial Statements* provide additional information and insight that are essential to gain a full understanding of the data provided in the statements.

- Note 1 provides a general description of TRSL, information regarding employer and membership participation, net pension liability of employers, actuarial methods and assumptions, eligibility, benefits, information regarding legally required reserves, and excess benefit plan.
- Note 2 provides a summary of significant accounting policies and plan asset matters including the reporting entity, basis of accounting, estimates, methods used to value investments, property and equipment and accumulated leave requirements.
- Note 3 provides information regarding member and employer contribution requirements.
- Note 4 categorizes TRSL's investments by fair value measurements, the level of fair value hierarchy, and valuation techniques established by generally accepted accounting principles. It also discloses information regarding certain investments that calculate net asset value per share and provides a description of related asset classes.
- Note 5 provides information regarding TRSL's cash and cash equivalents and investment risk disclosures.
- Note 6 provides information on TRSL's investments including the investment policy, domestic equity, developed international equity, investment-grade core fixed income, core plus fixed income, global fixed income, high yield fixed income, emerging markets debt, emerging markets equity, alternative assets, real estate, asset allocation, and money-weighted rate of return.
- Note 7 provides information regarding securities lending program.
- Note 8 describes the various types of derivative investments in which TRSL is invested.
- Note 9 provides information on contingent liabilities.
- Note 10 provides information on other post-employment benefits, including information on the plan benefits provided, contributions, liabilities, expense, deferred inflows, deferred outflows, actuarial assumptions, sensitivity of change in discount rate, and healthcare cost trend rate.
- Note 11 provides information on participation in a defined benefit plan, including information on the plan benefits provided, contributions, pension liabilities, pension expense, deferred inflows, deferred outflows, actuarial assumptions, and sensitivity of change in discount rate.
- Note 12 provides information on an accounting pronouncement effective for fiscal year 2022.
- Note 13 provides information on subsequent events.

Required supplementary information consists of schedules and related notes concerning the net pension liability and other post-employment benefits liability of TRSL. It includes the Schedules of Changes in Employers' Net Pension Liability, Employers' Net Pension Liability, Employer Contributions, Money-Weighted Rate of Return, TRSL's Proportionate Share of the Collective Total OPEB Liability, TRSL's Proportionate Share of the Net Pension Liability in the Louisiana State Employees' Retirement System, TRSL's Contributions to the Louisiana State Employees' Retirement System, and notes to required supplementary schedules.

Supporting schedules include information on administrative expenses, investment expenses, securities lending expenses, board compensation, and payments to non-investment related consultants and vendors.

**Teachers' Retirement System of Louisiana
Management's Discussion and Analysis
As of and for the Years Ended June 30, 2022 and 2021**

TRSL Financial Analysis

TRSL provides retirement benefits to all eligible teachers, administrative support staff and school food service personnel of elementary and secondary public education institutions, and unclassified staff of institutions of higher education. Member contributions, employer contributions, and earnings on investments fund these benefits. Total net position restricted for pensions at June 30, 2022 was \$25.1 billion compared to \$27.7 billion at June 30, 2021, and \$21.2 billion at June 30, 2020.

Condensed Comparative Statements of Fiduciary Net Position

	<u>2022</u>	<u>2021</u>	<u>2020</u>
Assets			
Cash and cash equivalents	\$ 287,758,424	\$ 246,399,879	\$ 239,806,968
Receivables	2,161,247,957	2,070,552,824	2,394,206,675
Investments (fair value)	24,493,475,102	27,511,511,252	21,315,227,038
Securities lending collateral	2,249,411,149	2,012,340,658	2,135,108,608
Property and equipment, at cost (net)	<u>3,762,992</u>	<u>3,756,029</u>	<u>3,582,220</u>
Total assets	<u>29,195,655,624</u>	<u>31,844,560,642</u>	<u>26,087,931,509</u>
Deferred Outflows of Resources	<u>7,234,204</u>	<u>7,475,794</u>	<u>3,940,599</u>
Liabilities			
Accounts payable and other liabilities	1,898,004,981	2,112,352,860	2,731,400,959
Securities lending collateral	<u>2,249,411,149</u>	<u>2,012,340,658</u>	<u>2,135,108,608</u>
Total liabilities	<u>4,147,416,130</u>	<u>4,124,693,518</u>	<u>4,866,509,567</u>
Deferred Inflows of Resources	<u>4,600,578</u>	<u>3,214,663</u>	<u>4,776,539</u>
Net Position Restricted for Pensions	<u>\$ 25,050,873,120</u>	<u>\$ 27,724,128,255</u>	<u>\$ 21,220,586,002</u>

Changes in Fiduciary Net Position

For the year ended June 30, 2022, additions to TRSL's net position were derived primarily from member and employer contributions. For 2022, member contributions increased by \$16,380,543 (4.5%) and employer contributions increased by \$28,111,779 (2.3%). For 2021, member contributions increased by \$10,396,695 (3.0%) and employer contributions increased by \$15,166,934 (1.2%). The System's actuary and the Public Retirement Systems' Actuarial Committee (PRSAC) adjust employer contribution rates annually. For 2022, the System recognized net investment losses of (\$2,042,713,110) compared to net investment income of \$7,164,169,788 for 2021 and \$171,029,364 for 2020.

**Teachers' Retirement System of Louisiana
Management's Discussion and Analysis
As of and for the Years Ended June 30, 2022 and 2021**

Condensed Comparative Statements of Changes in Fiduciary Net Position

	<u>2022</u>	<u>2021</u>	<u>2020</u>
Additions (Reductions)			
Member contributions	\$ 378,065,214	\$ 361,684,671	\$ 351,287,976
Employer contributions	1,266,088,182	1,237,976,403	1,222,809,469
Non-employer contributions	45,234,317	44,886,830	43,151,074
LSU Co-Operative Extension	1,987,638	2,075,689	2,017,909
Other operating revenues	49,860,342	19,804,296	39,770,865
Net investment income (loss)	<u>(2,042,713,110)</u>	<u>7,164,169,788</u>	<u>171,029,364</u>
Total additions (reductions)	<u>(301,477,417)</u>	<u>8,830,597,677</u>	<u>1,830,066,657</u>
Deductions			
Benefits, refunds, and other	2,354,988,797	2,310,595,851	2,245,134,690
LSU Co-Operative Extension	1,739,624	1,856,703	1,987,638
Administrative expenses	14,554,420	14,132,424	14,418,014
Depreciation expense	<u>494,877</u>	<u>470,446</u>	<u>422,685</u>
Total deductions	<u>2,371,777,718</u>	<u>2,327,055,424</u>	<u>2,261,963,027</u>
Net Increase (Decrease)	<u>(2,673,255,135)</u>	<u>6,503,542,253</u>	<u>(431,896,370)</u>
Net Position Restricted for Pensions, beginning of year	<u>27,724,128,255</u>	<u>21,220,586,002</u>	<u>21,652,482,372</u>
Net Position Restricted for Pensions, end of year	<u>\$ 25,050,873,120</u>	<u>\$ 27,724,128,255</u>	<u>\$ 21,220,586,002</u>

Financial Section

Deductions from plan net assets totaled \$2,371,777,718 in fiscal year 2022, an increase of \$44,722,294 (1.9%) over fiscal year 2021. Deductions from plan net assets totaled \$2,327,055,424 in fiscal year 2021, an increase of \$65,092,397 (2.9%) over fiscal year 2020. Benefits, refunds, and other payments continue to be the major reason for this increase. For fiscal year 2022, these payments increased by 1.9% compared to 2.9% in 2021 and 1.4% in 2020.

Investments

As the state's largest public retirement system, TRSL is responsible for the prudent management of funds held in trust for the exclusive benefit of members. Funds are invested to achieve maximum returns and minimize risk.

Total investments at June 30, 2022 were \$24.5 billion compared to \$27.5 billion at June 30, 2021 and \$21.3 billion at June 30, 2020. For 2022, the investment decrease is due in large part to the depreciation in fair value of global equity securities. During 2022, TRSL experienced net investment losses of \$2.0 billion compared to net investment income of \$7.2 billion in 2021 and \$171 million in 2020.

**Teachers' Retirement System of Louisiana
Management's Discussion and Analysis
As of and for the Years Ended June 30, 2022 and 2021**

Investments (Continued)

TRSL's market rate of return is -7.3% (gross of fees) for fiscal year ended June 30, 2022. TRSL has sustained annualized returns over the past ten years of 9.8%. When compared to other public plans with assets greater than \$1 billion, this gives TRSL a top 59th percentile ranking, according to the Wilshire Trust Universe Comparison Service (TUCS).

Investments at Fair Value

	<u>2022</u>	<u>2021</u>	<u>2020</u>
Short-term investments	\$ 1,020,749,502	\$ 1,073,305,658	\$ 869,649,602
Global debt securities	2,800,253,489	3,368,747,664	3,579,000,757
Global equity securities	8,878,055,972	12,274,373,322	9,140,896,138
Private assets	8,754,904,208	8,482,954,130	5,806,264,305
Real estate	<u>3,039,511,931</u>	<u>2,312,130,478</u>	<u>1,919,416,236</u>
 Total investments	 <u>\$ 24,493,475,102</u>	 <u>\$ 27,511,511,252</u>	 <u>\$ 21,315,227,038</u>

Requests for Information

Questions concerning any of the information provided herein or requests for additional financial information should be addressed to:

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Baton Rouge, LA 70804-9123
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Teachers' Retirement System of Louisiana
Statements of Fiduciary Net Position
June 30, 2022 and 2021

	2022	2021
Assets		
Cash and cash equivalents	\$ 287,758,424	\$ 246,399,879
Receivables		
Member contributions	63,632,051	65,140,107
Employer contributions	189,309,916	202,243,646
Investments receivable	1,825,310,884	1,757,734,170
Accrued interest and dividends	39,455,309	36,692,472
Other receivables	43,539,797	8,742,429
Total receivables	2,161,247,957	2,070,552,824
Investments, at fair value		
Short-term investments	1,020,749,502	1,073,305,658
Global debt securities	2,800,253,489	3,368,747,664
Global equity securities	8,878,055,972	12,274,373,322
Private assets	8,754,904,208	8,482,954,130
Real estate	3,039,511,931	2,312,130,478
Total investments	24,493,475,102	27,511,511,252
Securities lending collateral	2,249,411,149	2,012,340,658
Property and equipment (at cost) - net	3,762,992	3,756,029
Total assets	29,195,655,624	31,844,560,642
Deferred Outflows of Resources		
Related to pensions	2,249,443	4,478,053
Related to other post-employment benefits	4,984,761	2,997,741
Total deferred outflows of resources	7,234,204	7,475,794
Liabilities		
Accounts payable and other liabilities:		
Accounts payable	3,030,351	11,624,133
Benefits payable	2,644,479	2,515,794
Refunds payable	6,241,142	6,121,958
Net pension liability - LASERS	12,010,721	17,966,785
Investments payable	1,841,567,332	2,045,594,085
OPEB liability	30,054,023	26,231,642
Other liabilities	2,456,933	2,298,463
Total accounts payable and other liabilities	1,898,004,981	2,112,352,860
Securities lending collateral	2,249,411,149	2,012,340,658
Total liabilities	4,147,416,130	4,124,693,518
Deferred Inflows of Resources		
Related to pensions	2,836,421	247,379
Related to other post-employment benefits	1,764,157	2,967,284
Total deferred inflows of resources	4,600,578	3,214,663
Net Position Restricted for Pensions	\$ 25,050,873,120	\$ 27,724,128,255

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

Teachers' Retirement System of Louisiana
Statements of Changes in Fiduciary Net Position
For the Years Ended June 30, 2022 and 2021

	2022	2021
Additions (Reductions)		
Contributions:		
Member contributions	\$ 378,065,214	\$ 361,684,671
Employer contributions	1,266,088,182	1,237,976,403
Non-employer contributions	45,234,317	44,886,830
LSU Co-Operative contributions	1,987,638	2,075,689
Total contributions	1,691,375,351	1,646,623,593
Investment Income		
From investment activities:		
Net appreciation (depreciation) in fair value of investments	(2,503,955,708)	6,657,494,297
Interest	126,990,383	127,173,018
Dividends	174,025,581	173,701,060
Private assets income	218,319,620	269,275,193
Real estate income	74,466,760	62,056,391
Investment income (loss)	(1,910,153,364)	7,289,699,959
Investment activity expenses:		
International investment expenses	(4,347,499)	(4,309,805)
Private assets expenses	(76,377,139)	(75,054,448)
Real estate expenses	(12,184,378)	(11,165,903)
Investment administrative expenses	(1,895,270)	(1,781,554)
Custodian fees	(402,324)	(389,464)
Performance consultant fees	(1,090,041)	(1,065,319)
Advisor fees	(42,390,847)	(38,755,431)
Total investment expenses	(138,687,498)	(132,521,924)
Net income (loss) from investing activities	(2,048,840,862)	7,157,178,035
From securities lending activities:		
Securities lending income	8,111,855	8,489,476
Securities lending expenses	(1,984,103)	(1,497,723)
Net income from securities lending activities	6,127,752	6,991,753
Net investment income (loss)	(2,042,713,110)	7,164,169,788
Other operating revenues	49,860,342	19,804,296
Net additions (reductions)	(301,477,417)	8,830,597,677

(Continued)

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

Teachers' Retirement System of Louisiana
Statements of Changes in Fiduciary Net Position (Continued)
For the Years Ended June 30, 2022 and 2021

	2022	2021
Deductions		
Retirement benefits	\$ 2,303,868,401	\$ 2,256,015,336
LSU Co-Operative Extension	1,739,624	1,856,703
Refunds of contributions and other	49,729,954	53,095,621
TRSL employee and retiree health and life expense (benefit)	632,234	(385,301)
Pension expense	758,208	1,870,195
Administrative expenses	14,554,420	14,132,424
Depreciation expense	494,877	470,446
Total deductions	<u>2,371,777,718</u>	<u>2,327,055,424</u>
 Net Increase (Decrease) in Net Position	 <u>(2,673,255,135)</u>	 <u>6,503,542,253</u>
 Net Position Restricted for Pensions, beginning of year	 <u>27,724,128,255</u>	 <u>21,220,586,002</u>
 Net Position Restricted for Pensions, end of year	 <u>\$ 25,050,873,120</u>	 <u>\$ 27,724,128,255</u>

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

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 1—Plan Description

A. General

The Teachers' Retirement System of Louisiana (TRSL or the System) is the administrator of a cost-sharing, multiple-employer defined benefit pension plan. It was established and provided for within Title 11, Chapter 2, of the Louisiana Revised Statutes (La. R.S.) to provide benefits to members and their dependents at retirement or in the event of death, disability, or termination of employment. The System is a component unit of the State of Louisiana and is included in the State's Comprehensive Annual Financial Report as a pension trust fund.

In accordance with La. R.S., the System is subject to certain elements of oversight:

- The operating budget of the System is subject to budgetary review and approval by the Legislature.
- Annual sworn statements on all financial transactions and the actuarial valuation of the System must be furnished to the Legislature at least 30 days before the beginning of each regular session.
- The legislative auditor is responsible for the procurement of the audit for the System and is authorized to contract with a licensed CPA.
- Actuarial calculations and results are reviewed by the Public Retirement Systems' Actuarial Committee (PRSAC) annually.
- The Louisiana Legislature enacts legislation pertaining to the System, including administration, benefits, investments, and funding. All proposed retirement legislation is considered by the House and/or Senate Committees on Retirement. The legislative actuary prepares actuarial notes identifying the costs or savings related to such legislation.

B. Membership

At June 30, 2022 and 2021, the number of participating employers was:

	2022	2021
School boards	70	70
Colleges and universities	28	28
Laboratory schools	5	5
State agencies	46	46
Charter schools	35	35
Other	14	12
Total	198	196

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 1—Plan Description (Continued)

B. Membership (Continued)

Membership consisted of the following at June 30, 2022 and 2021, the dates of the latest actuarial valuations:

	2022	2021
Retirees and beneficiaries receiving benefits	82,600	81,620
Deferred Retirement Option Plan participants	2,172	2,227
Terminated vested employees entitled to but not yet receiving benefits	9,245	8,409
Terminated nonvested employees who have not withdrawn contributions	27,722	25,641
Current active employees:		
Vested	55,409	55,781
Nonvested	29,050	28,168
Post Deferred Retirement Option Plan participants	1,905	2,031
Total	208,103	203,877

C. Net Pension Liability of Employers

The Schedules of Employers' Net Pension Liability presents information about whether the plan fiduciary net position is increasing or decreasing over time relative to the total pension liability. The net pension liability, which was calculated in accordance with GASB 67 as of June 30, 2022 and 2021, is shown below.

	2022	2021
Total pension liability	\$ 34,593,361,759	\$ 33,058,826,858
Plan fiduciary net position ¹	25,046,085,419	27,720,055,435
Employers' net pension liability ²	9,547,276,340	5,338,771,423
Plan fiduciary net position as a percentage of total pension liability	72.4%	83.9%

¹ Plan fiduciary net position excludes side-fund assets held for the LSU Agricultural and Extension Service

² Based on fair value of assets

Actuarial valuation of the ongoing System involves estimates of the reported amounts and assumptions about probability of occurrence of events far into the future. Examples include assumptions about future employment, mortality, and future salary increases. Amounts determined regarding the net pension liability are subject to continual revision as actual results are compared with past expectations and new estimates are made about the future.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 1—Plan Description (Continued)

D. Actuarial Methods and Assumptions

The actuarial methods and assumptions used in determining the total pension liability as of June 30, 2022 and 2021 are as follows:

Valuation date	June 30, 2022 and 2021
Actuarial cost method	Entry Age Normal
Amortization approach	Closed
Expected remaining service lives	5 years
Investment rate of return	7.25% and 7.40%, respectively, net of investment expenses
Inflation rate	2.30%
Projected salary increases	3.10% - 4.60% (varies depending on duration of service)
Mortality	Active members – RP-2014 White Collar Employee tables, adjusted by 1.010 for males and by 0.997 for females. Non-Disabled retiree/inactive members – RP-2014 White Collar Healthy Annuitant tables, adjusted by 1.366 for males and by 1.189 for females. Disability retiree mortality – RP-2014 Disability tables, adjusted by 1.111 for males and by 1.134 for females. These base tables are adjusted from 2014 to 2018 using the MP-2017 generational improvement table, with continued future mortality improvement projected using the MP-2017 generational mortality improvement tables.
Termination and disability	Termination, disability, and retirement assumptions were projected based on a 5-year (July 1, 2012 – June 30, 2017) experience study of the System's members.

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 expenses, and inflation) are developed for each major asset class. These ranges 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 expected inflation and an adjustment for the effect of rebalancing/diversification. The resulting long-term geometric nominal expected rates of return are 8.32% for 2022 and 7.87% for 2021. Best estimates of arithmetic real rates of return for each major asset class included in the pension plan's target asset allocation as of June 30, 2022 and 2021 are summarized in the following table:

<u>Asset Class</u>	<u>Expected Long-Term Real Rates of Return</u>	
	<u>2022</u>	<u>2021</u>
Domestic equity	4.15%	4.21%
International equity	5.16	5.23
Domestic fixed income	0.85	0.44
International fixed income	-0.10	0.56
Private equity	8.15	8.48
Other private assets	3.72	4.27

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 1—Plan Description (Continued)

D. Actuarial Methods and Assumptions (Continued)

The discount rate used to measure the total pension liability at June 30, 2022 and 2021 was 7.25% and 7.40%, respectively. The projection of cash flows used to determine the discount rate assumed that plan member contributions will be made at the current contribution rate and that sponsor contributions will be made at rates equal to the difference between actuarially determined contribution rates and the member rate. 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 Net Pension Liability to Changes in the Discount Rate

In accordance with GASB 67, the following presents the net pension liability calculated using the discount rate of 7.25% for the year ended June 30, 2022 and 7.40% for the year ended June 30, 2021, and what the net pension liability would be if it were calculated using a discount rate that is 1% lower or 1% higher.

	1% Decrease 6.25%	Current Discount Rate 7.25%	1% Increase 8.25%
Employers' net pension liability, June 30, 2022	\$ 13,111,690,284	\$ 9,547,276,340	\$ 6,310,697,462
	1% Decrease 6.40%	Current Discount Rate 7.40%	1% Increase 8.40%
Employers' net pension liability, June 30, 2021	\$ 8,835,125,367	\$ 5,338,771,423	\$ 2,397,970,045

E. Eligibility

TRSL was established for the purpose of providing retirement allowances and other benefits as stated under the provisions of La. R.S. 11:700-999, as amended, for eligible teachers, employees, and their beneficiaries. The projection of benefit payments in the calculation of the total pension liability includes all benefits to be provided to current active and inactive employees through the System in accordance with the benefit terms and any additional legal agreements to provide benefits that are in force at the measurement date.

The System consists of three membership plans that require mandatory enrollment for all employees who meet the following eligibility requirements:

- TRSL Regular Plan - employees that meet the legal definition of a "teacher" in accordance with La. R.S. 11:701(33)(a).

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 1—Plan Description (Continued)

E. Eligibility (Continued)

- TRSL Plan A - employees paid with school food service funds in which the parish has withdrawn from Social Security coverage.
- TRSL Plan B - employees paid with school food service funds in which the parish has not withdrawn from Social Security coverage.

These three membership plans are considered one pension plan for financial reporting purposes. All assets accumulated for the payment of benefits may legally be used to pay benefits to any of the plan members or beneficiaries. TRSL provides retirement, disability, and survivor benefits.

F. 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.

Service Retirement

Service retirement benefits are established and amended by state statutes and are payable to members who have terminated covered employment and meet both age and service eligibility requirements. All members retire under one of three plans – Regular Plan, Plan A, or Plan B. Eligibility for each Plan is determined by the date the member joined TRSL as follows:

Regular Plan

Eligibility for retirement is determined by the date the member joined TRSL.

Members hired prior to July 1, 1999

- | | |
|---------------------|--|
| 2.0% benefit factor | At least age 60 with at least five years of service credit, or
Any age with at least 20 years of service credit |
| 2.5% benefit factor | At least age 65 with at least 20 years of service credit, or
At least age 55 with at least 25 years of service credit, or
Any age with at least 30 years of service credit |

Members joining System between July 1, 1999 and December 31, 2010

- | | |
|---------------------|--|
| 2.5% benefit factor | At least age 60 with at least five years of service credit, or
At least age 55 with at least 25 years of service credit, or
Any age with at least 20 years of service credit (actuarially reduced), or
Any age with at least 30 years of service credit |
|---------------------|--|

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 1—Plan Description (Continued)

F. Benefits (Continued)

Service Retirement (Continued)

Regular Plan (Continued)

Members first eligible to join and hired between January 1, 2011 and June 30, 2015

2.5% benefit factor	At least age 60 with at least five years of service credit, or Any age with at least 20 years of service credit (actuarially reduced)
---------------------	---

Members first eligible to join and hired on or after July 1, 2015

2.5% benefit factor	At least age 62 with at least five years of service credit, or Any age with at least 20 years of service credit (actuarially reduced)
---------------------	---

Plan A

Plan A is closed to new entrants.

Plan A members

3.0% benefit factor	At least age 60 with at least five years of service credit, or At least age 55 with at least 25 years of service credit, or Any age with at least 30 years of service credit
---------------------	--

Plan B

Members hired before July 1, 2015

2.0% benefit factor	At least age 60 with at least five years of service credit, or At least age 55 with at least 30 years of service credit
---------------------	--

Members first eligible to join and hired on or after July 1, 2015

2.0% benefit factor	At least age 62 with at least five years of service credit, or Any age with at least 20 years of service credit (actuarially reduced)
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Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 1—Plan Description (Continued)

F. Benefits (Continued)

Service Retirement (Continued)

Benefit Formula

For all plans, retirement benefits are based on a formula which multiplies the final average compensation by the applicable accrual rate and by the years of creditable service. For Regular Plan and Plan B members whose first employment makes them eligible for membership in a Louisiana state retirement system on or after January 1, 2011, final average compensation is defined as the highest average 60-month period. For all other members, final average compensation is defined as the highest average 36-month period.

Payment Options

A retiring member is entitled to receive the maximum monthly benefit payable until the member's death. In lieu of the maximum monthly benefit, the member can elect to receive a reduced monthly benefit payable in the form of a Joint and Survivor Option, or a reduced monthly benefit (maximum or reduced Joint and Survivor Option) with a lump sum that can't exceed 36 months of the member's maximum monthly benefit amount.

Effective July 1, 2009, members can make an irrevocable election at retirement to receive an actuarially reduced benefit which increases 2.5% annually, beginning on the first retirement anniversary date, but not before age 55 or before the retiree would have attained age 55 in the case of a surviving spouse. This option can be chosen in combination with the above options.

Disability Retirement Benefits

Active members whose first employment makes them eligible for membership in a Louisiana state retirement system before January 1, 2011, and who have five or more years of service credit are eligible for disability retirement benefits if certified by the State Medical Disability Board (SMDB) to be disabled from performing their job. All other members must have at least 10 years of service to be eligible for a disability benefit. Calculation of the disability benefit as well as the availability of a minor child benefit is determined by the plan to which the member belongs and the date on which the member's first employment made them eligible for membership in a Louisiana state retirement system.

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Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 1—Plan Description (Continued)

F. Benefits (Continued)

Survivor Benefits

A surviving spouse with minor children of an active member with at least five years of creditable service (two years immediately prior to death) or 20 years of creditable service is entitled to a benefit equal to the greater of (a) \$600 per month, or (b) 50% of the member's benefit calculated at the 2.5% accrual rate for all creditable service. When a minor child(ren) is no longer eligible to receive survivor benefits, and the deceased member had at least 10 years of creditable service, the spouse's benefit reverts to a survivor benefit in accordance with the provisions for a surviving spouse with no minor child(ren). Benefits for the minor child(ren) cease when he/she is no longer eligible.

Each minor child (maximum of two) shall receive an amount equal to the greater of (a) 50% of the spouse's benefit, or (b) \$300 (up to two eligible children). Benefits to minors cease at attainment of age 21, marriage, or age 23 if enrolled in an approved institution of higher education.

A surviving spouse without minor children of an active member with at least 10 years of creditable service (two years immediately prior to death) is entitled to a benefit equal to the greater of (a) \$600 per month, or (b) the option 2 equivalent of the benefit calculated at the 2.5% accrual rate for all creditable service.

Permanent Benefit Increases/Cost-of-Living Adjustments

As fully described in Title 11 of the La. R.S., the System allows for the payment of ad hoc permanent benefit increases (PBIs), 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. Fifty percent of any excess return above \$200,000,000 (indexed to positive changes in the actuarial value of assets, beginning June 30, 2015) will be credited to the Experience Account, subject to the restrictions provided in Act 399 of 2014. The Experience Account is used to fund permanent benefit increases for retirees. The Experience Account balance as of June 30, 2022 and 2021 was \$79,455,322 and \$369,000,000, respectively.

Optional Retirement Plan (ORP)

The Optional Retirement Plan (ORP) was established in 1989 for academic employees of public institutions of higher education who are eligible for membership in TRSL. This Plan was designed to provide certain academic and unclassified employees of public institutions of higher education an optional method of funding for their retirement. Employees in eligible positions of higher education can make an irrevocable election to participate in the ORP rather than TRSL. Participant and employer contributions are pooled and invested by their designated ORP carrier in the investment options of their choosing.

The ORP is a defined contribution pension plan which provides for portability of assets and full and immediate vesting of all contributions submitted on behalf of the participating employees to the approved providers. These providers are selected by TRSL's Board of Trustees. Monthly employer and employee contributions are invested as directed by the employee to provide the employee with future retirement benefits. The amount of these benefits is entirely dependent upon the total contributions and investment returns accumulated during the employee's working lifetime.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 1—Plan Description (Continued)

F. Benefits (Continued)

Optional Retirement Plan (ORP) (Continued)

	2022	2021
Employees joining ORP consisted of:		
Members of TRSL joining ORP	78	66
New employees joining ORP	619	440
Total members joining ORP	697	506
Total actively contributing participants	6,759	6,867
Amounts transferred to ORP:		
Amounts previously held in TRSL reserves	\$ 537,448	\$ 406,391
Contributions	87,121,650	85,348,626
Total	\$ 87,659,098	\$ 85,755,017
Number of ORP employers	112	111
Participants' contribution rates:		
Participant contribution rate (applicable for ORP transfers)	7.95%	7.95%
Participant contribution rate (administrative fee - TRSL)	0.05%	0.05%
Total employee contribution rate	8.00%	8.00%

Act 607 of the 2014 Regular Legislative Session required each higher education board created by Article VIII of the Louisiana Constitution to establish, by resolution, the portion of the employer contribution to be transferred to the ORP participants' accounts (transfer amount). From fiscal year 2014-2015 to fiscal year 2017-2018, the transfer amount was required to be an amount equal to or greater than the employer's portion of the normal cost contribution of the regular retirement plan. Effective for fiscal year 2018-2019 and thereafter, the transfer amount must be at least 6.2% of pay. The rate adopted by each higher education board must be the same for all employer institutions and agencies under that board's supervision and control and shall be effective for an entire fiscal year.

For all employers that are not a higher education board created by Article VIII of the Louisiana Constitution or an employer institution not under the supervision and control of such a board, effective for fiscal year 2014-2015 and thereafter, the transfer amount is the greater of the normal cost for a member of TRSL's regular retirement plan or 6.2% of pay.

The following tables display the total employer contribution amount (transfer amount and shared UAL) for employers that report ORP participants for the years ending June 30, 2022 and 2021 for both higher education and non-higher education institutions. The transfer amount along with the participant's contributions, less the administrative fee, are transferred to their selected ORP provider and invested. The shared UAL portion is retained by TRSL.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 1—Plan Description (Continued)

F. Benefits (Continued)

Optional Retirement Plan (ORP) (Continued)

HIGHER EDUCATION EMPLOYERS:

Contribution rates for the fiscal year ended June 30, 2022:

	Employer Rate		
	<u>Transfer</u> <u>Amount</u>	<u>Shared</u> <u>UAL</u>	<u>Total</u> <u>ER</u>
<u>Management Board</u>			
Board of Regents	6.20%	21.47%	27.67%
Board of Supervisors of Louisiana State University	6.20%	21.47%	27.67%
Board of Supervisors of Southern University	6.20%	21.47%	27.67%
Southern Lab School	6.20%	21.47%	27.67%
Board of Supervisors of the University of Louisiana System	6.20%	21.47%	27.67%
Board of Supervisors of Community & Technical Colleges	6.20%	21.47%	27.67%

Contribution rates for the fiscal year ended June 30, 2021:

	Employer Rate		
	<u>Transfer</u> <u>Amount</u>	<u>Shared</u> <u>UAL</u>	<u>Total</u> <u>ER</u>
<u>Management Board</u>			
Board of Regents	6.20%	21.80%	28.00%
Board of Supervisors of Louisiana State University	6.20%	21.80%	28.00%
Board of Supervisors of Southern University	6.20%	21.80%	28.00%
Southern Lab School	6.20%	21.80%	28.00%
Board of Supervisors of the University of Louisiana System	6.20%	21.80%	28.00%
Board of Supervisors of Community & Technical Colleges	6.20%	21.80%	28.00%

NON-HIGHER EDUCATION EMPLOYERS:

Contribution rates for the fiscal year ended June 30:

<u>Fiscal Year</u>	Employer Rate		
	<u>Transfer</u> <u>Amount</u>	<u>Shared</u> <u>UAL</u>	<u>Total</u> <u>ER</u>
2022	6.20%	21.47%	27.67%
2021	6.20%	21.80%	28.00%

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 1—Plan Description (Continued)

G. Legally Required Reserves

Deferred Retirement Option Plan (DROP)

DROP was implemented on July 1, 1992, with the passage of La. R.S. 11:786 by the Legislature. When a member enters DROP, his status changes from an active member to a retiree, even though he continues to work at his regular job and draw his regular salary. In the original DROP, participation in the program could not exceed two years; however, DROP was modified on January 1, 1994 to allow for a three-year period of participation. During the DROP participation period, the retiree's retirement benefits are paid into a special account. The election is irrevocable once participation begins. After participation ends, members eligible to enter DROP prior to January 1, 2004, will earn interest on the DROP accounts at a rate equal to the actuarial realized rate of return on the System's portfolio for that plan year as certified by the System's actuary in their actuarial report, less one-half of one percent.

For members eligible to enter DROP on or after January 1, 2004, interest will be earned at the liquid asset money market rate, less one quarter of one percent administrative fee. Interest is posted monthly to the accounts and will be based on the balance in the account for that month. At the time of retirement, the member must choose among available alternatives for the distribution of benefits which have accumulated in the DROP account.

Upon termination of DROP participation, the member can continue employment and earn additional benefit accruals to be added to the fixed pre-DROP benefit.

Upon termination of employment, the member is entitled to the fixed benefit, an additional benefit based on post-DROP service (if any), and the individual DROP account balance which can be paid in a lump sum or as an additional annuity based upon the account balance.

Initial Lump-Sum Benefit (ILSB)

Effective January 1, 1996, the Legislature authorized TRSL to establish an Initial Lump-Sum Benefit (ILSB) program. The ILSB is available to members who have not participated in DROP and who elect the maximum benefit, option 2 benefit, option 2A benefit, option 3 benefit, option 3A benefit, option 4 benefit, or option 4A benefit. The ILSB program provides both a one-time, single sum payment of up to 36 months of the maximum regular monthly retirement benefit and a reduced monthly retirement benefit for life. Interest credited and payments from the ILSB account are made in accordance with La. R.S. 11:789(A)(1).

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Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 1—Plan Description (Continued)

G. Legally Required Reserves (Continued)

Membership, disbursements, and reserve balances for the DROP and ILSB programs for the fiscal years ended June 30, 2022 and 2021 are as follows:

	2022	2021
Members who became eligible to participate before January 1, 2004		
<u>DROP</u>		
Members entering DROP	-	-
Disbursements	\$ 48,610,196	\$ 51,695,048
DROP reserves at June 30	\$ 572,349,653	\$ 550,846,329
<u>ILSB</u>		
Members entering ILSB	-	-
Disbursements	\$ 450,799	\$ 332,705
ILSB reserves at June 30	\$ 5,861,014	\$ 4,903,605
Members who became eligible to participate on or after January 1, 2004		
<u>DROP</u>		
Members entering DROP	857	888
Disbursements	\$ 97,348,043	\$ 88,093,875
DROP reserves at June 30	\$ 474,071,178	\$ 488,015,003
<u>ILSB</u>		
Members entering ILSB	231	227
Disbursements	\$ 12,067,718	\$ 15,121,053
ILSB reserves at June 30	\$ 2,715,860	\$ 2,389,238

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Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 1—Plan Description (Continued)

G. Legally Required Reserves (Continued)

Interest rates for the DROP and ILSB programs over the past 10 years are as follows:

Fiscal Year Ending June 30	Interest Rates	
	Members who became eligible to participate before January 1, 2004	Members who became eligible to participate on or after January 1, 2004
2013	12.91%	0.0000%
2014	12.64%	0.0000%
2015	10.76%	0.0000%
2016	6.17%	0.0595%
2017	8.65%	0.2214%
2018	8.98%	0.9538%
2019	6.98%	1.8940%
2020	6.30%	1.0797%
2021	12.15%	0.0000%
2022*	8.46%	0.0000%

*Subject to Public Retirement Systems' Actuarial Committee (PRSAC) approval of fiscal year valuation.

H. Excess Benefit Plan

La. R.S. 11:945 established the Excess Benefit Plan as a separate, unfunded, nonqualified plan under the provisions set forth in La. R.S. 11:946, and also as a qualified governmental excess benefit arrangement as defined in Section 415(m)(3) of the United States Internal Revenue Code.

Effective July 1, 1999, an excess benefit participant who is receiving a benefit from this System is entitled to a monthly benefit under this plan in an amount equal to the lesser of either the participant's unrestricted benefit as defined in La. R.S. 11:701, less the maximum benefit, or the amount by which the participant's monthly benefit from this System has been reduced by the limitations of Louisiana Revised Statute 11:784.1. A benefit payable under this plan is paid in the form and at the time it would have been paid as a monthly pension except for the limitations under La. R.S. 11:784.1 and Section 415 of the United States Internal Revenue Code.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 1–Plan Description (Continued)

H. Excess Benefit Plan (Continued)

Contributions may not be accumulated under the Excess Benefit Plan to pay future retirement benefits. Instead, monthly contributions made by the employer are reduced by the amount necessary to pay that month's excess retirement benefits. Employer contributions made to fund the Excess Benefit Plan are not commingled with the monies of the pension plan or any other qualified plan. Also, the Excess Benefit Plan may never receive a transfer of assets from the pension plan. The number of benefit recipients and the total benefits for the years ended June 30, 2022 and 2021 is as follows:

	2022	2021
Number of excess benefit recipients	29	38
Total benefits	\$ 597,185	\$ 700,940

Note 2–Summary of Significant Accounting Policies and Plan Asset Matters

A. Reporting Entity

TRSL (the "System") is a component unit of the State of Louisiana. A 17-member Board of Trustees (composed of ten active members, two retired members, and five ex officio members) governs TRSL. The Board of Trustees appoints the director, who is the System's managing officer.

In 2018, the System adopted GASB 75, *Accounting and Financial Reporting for Post-employment Benefits Other Than Pensions*. GASB 75 improves accounting and financial reporting for post-employment benefits other than pensions (OPEB). It also improves information provided by state and local government employers about financial support for OPEB that is provided by other entities. The standard required the System to record its proportionate share of OPEB amounts related to the participation in a multi-employer defined OPEB plan using specific guidelines outlined in the standard. These disclosures are located in Note 10.

B. Basis of Accounting

TRSL's financial statements are prepared in conformity with accounting principles generally accepted in the United States of America using the accrual basis of accounting. Revenues are recognized in the accounting period in which they are earned, and expenses are recognized in the period incurred. Member and employer contributions are recognized when due, pursuant to formal commitments as well as statutory or contractual requirements. State appropriations are recognized in the period appropriated. Purchases and sales of securities are reflected on the trade date. Dividend income is recorded on the ex-dividend date. Interest income is recorded as earned on the accrual basis.

Administrative costs are funded through the employer contribution rate and are subject to budgetary control by the Board of Trustees and approval of the Joint Legislative Committee on the Budget. Benefits and refunds are recognized when due and payable in accordance with the terms of the System.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 2—Summary of Significant Accounting Policies and Plan Asset Matters (Continued)

C. Use of 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 to and deductions from plan net assets 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 Statements of Fiduciary Net Position.

D. Method Used to Value Investments

As required by GASB 72, investments are reported at fair value which is described as an exit price. This statement requires a government to use valuation techniques that are appropriate under the circumstances and for which sufficient data is available to measure fair value. Valuation techniques maximize the use of relevant observable inputs and minimize the use of unobservable inputs. This statement establishes a hierarchy of inputs to valuation techniques used to measure fair value. That hierarchy has three levels. Level 1 inputs are quoted prices (unadjusted) in active markets for identical assets or liabilities. Level 2 inputs are inputs - other than quoted prices - included within Level 1 that are observable for the asset or liability, whether directly or indirectly. Finally, Level 3 inputs are unobservable inputs, such as management's assumption of the default rate among underlying mortgages of a mortgage-backed security. This statement requires 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 located in Note 4.

Short-term investments are reported at market value when published prices are available, or 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 rate.

All derivative financial instruments are reported at fair value in the Statements of Fiduciary Net Position. Gains and losses are reported in the Statements of Changes in Fiduciary Net Position as net appreciation (depreciation) in fair value of investments during the period the instruments are held and when the instruments are sold or expire. The nature and use of derivative instruments are discussed in Note 8.

The fair value of investments that are organized as limited partnerships and have no readily ascertainable fair value (such as private equity, real estate, and tangible assets) has been recorded based on the investment's capital account balance which is reported at fair value, at the closest available reporting period, and adjusted for subsequent contributions, distributions, and management fees.

Investments that do not have an established market are reported at estimated fair value. Unrealized gains and losses are included as investment earnings in the Statements of Changes in Fiduciary Net Position.

Because of the inherent uncertainties in estimating fair values, it is at least reasonably possible that the estimates will change in the near term.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 2—Summary of Significant Accounting Policies and Plan Asset Matters (Continued)

E. Property and Equipment

Land, building, equipment, and furniture are carried at historical cost. Depreciation for the building is computed using the straight-line method based upon a useful life of 40 years. Depreciation for office equipment and furniture with a purchase price of at least \$1,000 is computed using the straight-line method based upon a useful life of three to ten years. Items with a purchase price of less than \$1,000 and more than \$250 are computed using the straight-line method with a useful life of three years. Items with a purchase price of less than \$250 are expensed in the current year.

TRSL and the Louisiana State Employees' Retirement System (LASERS) share a 50/50 joint ownership of the Louisiana Retirement Systems Building, equipment, and related land.

The following is a summary of the changes in property and equipment for the years ended June 30, 2022 and 2021:

	<u>June 30,</u> <u>2021</u>	<u>Additions</u>	<u>Deletions</u>	<u>June 30,</u> <u>2022</u>
Asset class (at cost)				
Land	\$ 858,390	\$ -	\$ -	\$ 858,390
Building	7,432,201	235,090	-	7,667,291
Equipment, furniture, fixtures	2,756,566	268,912	(98,742)	2,926,736
Total property and equipment	<u>11,047,157</u>	<u>504,002</u>	<u>(98,742)</u>	<u>11,452,417</u>
Accumulated depreciation				
Building	(5,261,615)	(327,471)	-	(5,589,086)
Equipment, furniture, fixtures	(2,029,513)	(167,406)	96,580	(2,100,339)
Total accumulated depreciation	<u>(7,291,128)</u>	<u>(494,877)</u>	<u>96,580</u>	<u>(7,689,425)</u>
Property and equipment, net	<u>\$ 3,756,029</u>	<u>\$ 9,125</u>	<u>\$ (2,162)</u>	<u>\$ 3,762,992</u>
	<u>June 30,</u> <u>2020</u>	<u>Additions</u>	<u>Deletions</u>	<u>June 30,</u> <u>2021</u>
Asset class (at cost)				
Land	\$ 858,390	\$ -	\$ -	\$ 858,390
Building	7,047,183	385,018	-	7,432,201
Equipment, furniture, fixtures	2,772,703	264,012	(280,149)	2,756,566
Total property and equipment	<u>10,678,276</u>	<u>649,030</u>	<u>(280,149)</u>	<u>11,047,157</u>
Accumulated depreciation				
Building	(4,956,296)	(305,319)	-	(5,261,615)
Equipment, furniture, fixtures	(2,139,760)	(165,127)	275,374	(2,029,513)
Total accumulated depreciation	<u>(7,096,056)</u>	<u>(470,446)</u>	<u>275,374</u>	<u>(7,291,128)</u>
Property and equipment, net	<u>\$ 3,582,220</u>	<u>\$ 178,584</u>	<u>\$ (4,775)</u>	<u>\$ 3,756,029</u>

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 2—Summary of Significant Accounting Policies and Plan Asset Matters (Continued)

F. Accumulative Leave

The employees of the System accumulate annual and sick leave at varying rates as established by state regulations. Upon resignation or retirement, unused annual leave of up to 300 hours is paid to employees at the employee's current rate of pay. The liability for accrued annual leave of up to 300 hours is included in other liabilities on the Statement of Fiduciary Net Position. Upon retirement, unused annual leave in excess of 300 hours and sick leave may be converted to service credit subject to restrictions of the retirement system to which the employee belongs.

Note 3—Member Contributions and Employer Contributions

Member contribution rates for the System are established by La. R.S. 11:62. The employer contribution rate is established annually under La. R.S. 11:101-11:104 by the Public Retirement Systems' Actuarial Committee (PRSAC), taking into consideration the recommendation of the System's actuary. Each sub plan pays a separate actuarially determined employer contribution rate. However, all assets of TRSL are used for the payment of benefits for all classes of members, regardless of their plan.

The normal cost portion of each plan's employer contribution rate varies based upon that plan's benefits, member demographics, and the rate contributed by employees. The shared unfunded accrued liability (UAL) contribution rate is determined in aggregate for all plans. The UAL established due to a specific plan or group of plans because of legislation will be allocated entirely to that plan or those plans.

Employee and employer contribution rates for each plan for the years ended June 30, 2022 and 2021 are as follows:

	Employee Contribution Rate	Employer Contribution Rate (*Rounded)			
		Normal Cost Rate	Admin Expense Rate	Shared UAL Rate	Total Rate*
<u>June 30, 2022</u>					
Regular Plan (K12)	8.0%	3.3377%	0.38%	21.47%	25.2%
Regular Plan (Higher Ed)	8.0%	2.6210%	0.38%	21.47%	24.5%
Lunch Plan A	9.1%	3.3377%	0.38%	21.47%	25.2%
Lunch Plan B	5.0%	3.3377%	0.38%	21.47%	25.2%
	Employee Contribution Rate	Employer Contribution Rate (*Rounded)			
		Normal Cost Rate	Admin Expense Rate	Shared UAL Rate	Total Rate*
<u>June 30, 2021</u>					
Regular Plan (K12)	8.0%	3.5504%	0.39%	21.8%	25.8%
Regular Plan (Higher Ed)	8.0%	2.7356%	0.39%	21.8%	25.0%
Lunch Plan A	9.1%	3.5504%	0.39%	21.8%	25.8%
Lunch Plan B	5.0%	3.5504%	0.39%	21.8%	25.8%

In accordance with state statute, TRSL receives ad valorem taxes and state revenue sharing funds. These additional sources of income are used as employer contributions and are considered support from non-employer contributing entities but are not considered special funding situations.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 4—Fair Value Measurements

The System categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The System has the following recurring fair value measurements as of June 30, 2022 and 2021, respectively:

<u>June 30, 2022</u>	<u>Fair Value</u>	<u>Quoted Prices in Active Markets (Level 1)</u>	<u>Significant Other Observable Markets (Level 2)</u>	<u>Significant Unobservable Inputs (Level 3)</u>
Investments by Fair Value Level				
Debt Investments:				
U. S Treasury and				
Government Obligation	\$ 1,086,489,899	\$ 694,755,929	\$ 391,733,970	\$ -
Corporate Bonds	331,970,257	-	293,263,989	38,706,268
Miscellaneous	285,628,783	1,383,480	283,867,359	377,944
International Bonds	944,673,693	-	939,905,719	4,767,974
Short-Term Investments	1,020,688,966	401,689,070	173,573,969	445,425,927
Total Debt Securities	<u>3,669,451,598</u>	<u>1,097,828,479</u>	<u>2,082,345,006</u>	<u>489,278,113</u>
Equity Securities:				
Large Cap	3,497,733,912	3,497,733,912	-	-
Mid Cap	464,956,544	464,956,544	-	-
Small Cap	1,259,957,204	1,259,957,204	-	-
International Equities	2,306,622,757	2,306,622,757	-	-
Global REIT	356,533,860	356,533,860	-	-
Other	44,104,595	9,310,121	7,801,288	26,993,186
Total Equity Securities	<u>7,929,908,872</u>	<u>7,895,114,398</u>	<u>7,801,288</u>	<u>26,993,186</u>
Alternative Assets and Real Estate:				
Private Assets	8,754,904,208	5,871	-	8,754,898,337
Real Estate	1,263,748,522	-	-	1,263,748,522
Total Alternative Assets and Real Estate	<u>10,018,652,730</u>	<u>5,871</u>	<u>-</u>	<u>10,018,646,859</u>
Derivative Instruments:				
Foreign Exchange Contracts	(21,292,246)	-	(21,292,246)	-
Swaps	112,786,513	-	112,786,513	-
Options	43,221,843	-	43,221,843	-
Total Derivative Instruments	<u>134,716,110</u>	<u>-</u>	<u>134,716,110</u>	<u>-</u>
Investments at Fair Value Level	<u>21,752,729,310</u>	<u>\$ 8,992,948,748</u>	<u>\$ 2,224,862,404</u>	<u>\$ 10,534,918,158</u>
Investments measured at Net Asset Value (NAV)	<u>2,740,745,792</u>			
Total Investments at Fair Value	<u>\$ 24,493,475,102</u>			
Securities Lending Cash Collateral	<u>\$ 2,249,411,149</u>	<u>\$ -</u>	<u>\$ 2,249,411,149</u>	<u>\$ -</u>
Investment Derivatives:				
Futures	\$ (533,341)	\$ (533,341)	\$ -	\$ -
Swaps	(151,029,048)	-	(151,029,048)	-
Options	(2,648,240)	(21,187)	(2,627,053)	-

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 4—Fair Value Measurements (Continued)

<u>June 30, 2021</u>	<u>Fair Value</u>	<u>Quoted Prices in Active Markets (Level 1)</u>	<u>Significant Other Observable Markets (Level 2)</u>	<u>Significant Unobservable Inputs (Level 3)</u>
Investments by Fair Value Level				
Debt Investments:				
U. S Treasury and				
Government Obligation	\$ 1,182,325,025	\$ 662,219,612	\$ 520,105,413	\$ -
Corporate Bonds	538,612,483	-	491,237,497	47,374,986
Miscellaneous	224,874,491	1,466,305	222,963,251	444,935
International Bonds	1,173,187,384	-	1,170,109,686	3,077,698
Short-Term Investments	1,072,753,140	428,545,387	116,680,223	527,527,530
Total Debt Securities	<u>4,191,752,523</u>	<u>1,092,231,304</u>	<u>2,521,096,070</u>	<u>578,425,149</u>
Equity Securities:				
Large Cap	4,766,279,213	4,766,279,213	-	-
Mid Cap	688,356,021	688,356,021	-	-
Small Cap	1,654,188,312	1,654,188,312	-	-
International Equities	3,305,522,599	3,305,522,599	-	-
Global REIT	403,031,471	403,031,471	-	-
Other	55,913,163	17,419,079	11,730,194	26,763,890
Total Equity Securities	<u>10,873,290,779</u>	<u>10,834,796,695</u>	<u>11,730,194</u>	<u>26,763,890</u>
Alternative Assets and Real Estate:				
Private Assets	8,482,954,130	2,939,274	-	8,480,014,856
Real Estate	993,679,993	-	-	993,679,993
Total Alternative Assets and Real Estate	<u>9,476,634,123</u>	<u>2,939,274</u>	<u>-</u>	<u>9,473,694,849</u>
Derivative Instruments:				
Foreign Exchange Contracts	(9,176,611)	-	(9,176,611)	-
Swaps	149,313,985	-	149,313,985	-
Options	106,532,721	-	106,532,721	-
Total Derivative Instruments	<u>246,670,095</u>	<u>-</u>	<u>246,670,095</u>	<u>-</u>
Investments at Fair Value Level	<u>24,788,347,520</u>	<u>\$ 11,929,967,273</u>	<u>\$ 2,779,496,359</u>	<u>\$ 10,078,883,888</u>
Investments measured at Net Asset Value (NAV)	<u>2,723,163,732</u>			
Total Investments at Fair Value	<u>\$ 27,511,511,252</u>			
Securities Lending Cash Collateral	<u>\$ 2,012,340,658</u>	<u>\$ -</u>	<u>\$ 2,012,340,658</u>	<u>\$ -</u>
Investment Derivatives:				
Futures	\$ (154,337)	\$ (154,337)	\$ -	\$ -
Swaps	(150,575,452)	-	(150,575,452)	-
Options	(1,532,031)	-	(1,532,031)	-

Certain securities and derivatives disclosed in these tables may be classified as short-term investments, global equity, debt securities, or investments payable on the combined Statements of Fiduciary Net Position. Accordingly, the totals presented in this table will not agree to the combined totals of investments presented in those statements.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 4—Fair Value Measurements (Continued)

Securities classified in Level 1 of the fair value hierarchy are valued using prices quoted in active markets for those securities.

Securities classified in Levels 2 and 3 of the fair value hierarchy are valued using a proprietary matrix based on asset class (e.g. 'sector code,' 'firm code,' or 'asset type code'). Matrix pricing relies on the securities' relationship to other benchmark quoted securities.

The unfunded commitments and redemption terms for investments measured at the net asset value (NAV) per share (or its equivalent) as of June 30, 2022 are presented in the following table.

	<u>2022</u>	<u>Unfunded Commit- ments</u>	<u>Redemption Frequency (If Currently Eligible)</u>	<u>Redemption Notice Period</u>
JP Morgan Strategic Property Fund (1)	\$ 369,430,220	-	Quarterly	45 days prior to quarter end
MetLife Core Property Fund (2)	532,427,651	-	Quarterly	60 days prior to quarter end
Prudential Real Estate (3)	352,719,395	-	Quarterly	1 quarter prior to the quarter the redemption is required
Prime Property Fund (4)	521,186,142	-	Quarterly	1 quarter prior to the quarter the redemption is required
Franklin Templeton-Emerging Markets (5)	474,440,738	-	Daily	N/A
William Blair-Emerging Markets (6)	490,541,646	-	Daily	N/A
	<u>\$ 2,740,745,792</u>			

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Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 4—Fair Value Measurements (Continued)

The unfunded commitments and redemption terms for investments measured at the net asset value (NAV) per share (or its equivalent) as of June 30, 2021 are presented in the following table.

		<u>2021</u>	<u>Unfunded Commit- ments</u>	<u>Redemption Frequency (If Currently Eligible)</u>	<u>Redemption Notice Period</u>
JP Morgan Strategic Property Fund	(1)	\$ 296,969,528	-	Quarterly	45 days prior to quarter end
MetLife Core Property Fund	(2)	332,668,608	-	Quarterly	60 days prior to quarter end
Prudential Real Estate	(3)	281,288,420	-	Quarterly	1 quarter prior to the quarter the redemption is required
Prime Property Fund	(4)	407,523,930	-	Quarterly	1 quarter prior to the quarter the redemption is required
Franklin Templeton-Emerging Markets	(5)	689,623,205	-	Daily	N/A
William Blair-Emerging Markets	(6)	<u>715,090,041</u>	-	Daily	N/A
		<u>\$ 2,723,163,732</u>			

- (1) JP Morgan Strategic Property Fund - Strategic Property Fund is an actively managed diversified, pure core, open-end commingled pension trust fund. It invests in high-quality stabilized office, retail, residential, and industrial assets with dominant competitive characteristics in primary markets throughout the United States. Properties are well-leased, generating significant operating cash flow, and a high-income return. Broad diversification, both geographically and by sector, have contributed to strong risk-adjusted returns of 9.8% gross of fees (8.7 % net of highest applicable fees) since the Fund's inception in January 1998. The Fund's size, quality, consistent pure core strategy, high occupancy, low lease rollover, solid income, conservative leverage, and staggered debt maturities position it well to execute on its strategy. Investments in the Fund are valued at the current day closing net asset value per share. As part of the Trustee's valuation process, properties are externally appraised generally on an annual basis, by reputable, independent appraisal firms, and signed by appraisers that are members of the Appraisal Institute, with the professional MAI designation. In addition, the Trustee may cause additional appraisals to be performed as warranted by specific asset or market conditions. All external appraisals are performed in accordance with the Uniform Standards of Professional Appraisal Practices (USPAP). To the extent that redemption requests exceed available cash, distributions are pro-rated based on the participant's interest in the Fund. All withdrawals will be treated equally forever whether for fees, benefit payments, plan termination, or asset allocation. Available cash is defined as excess cash after provision for outstanding future capital commitments and other operating reserves. The Fund's redemption notice period is 45 days; therefore, any sales price could differ from the net asset value because of the 45-day notice period.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 4—Fair Value Measurements (Continued)

- (2) MetLife Core Property Fund - The strategy of the MetLife Core Property Fund (MCPF) is to create and actively manage a diversified portfolio of core institutional real estate assets that offer the potential to deliver attractive returns through a combination of current income and capital appreciation. As a core open-ended fund, the strategy is to invest in property types that have both deep institutional quality stock and deep institutional investor bases. The Fund limits its investments in non-core properties to 10% of the Fund GAV (plus unfunded capital commitments). Geographically, the Fund invests in U.S. real estate assets and focuses on primary markets; the Fund's strategy does not include a major focus on secondary and tertiary markets.

Specific investment characteristics of targeted investments for the Fund include:

- Stabilized investments with high-quality physical improvements.
- Attractive locations within supply-constrained metropolitan areas and with superior competitive market positions.
- Favorable long-term economic, demographic, and fundamental real estate trends.
- Well-leased properties with diversified rent roll and manageable lease rollover.
- Minimal need for near term capital expenditures.
- Stable, predictable income stream, which constitutes a significant portion of the expected total return over the hold period.
- Readily marketable assets that enable an efficient exit.

Investors may request that the General Partner redeem all or any portion of their shares on quarterly basis with 60 days written notice prior to the end of the quarter for which the request is to be effective; however, the Fund will not be obligated to sell assets, borrow funds, or alter investment or capital improvement plans to meet redemption requests. Units will be redeemed in cash at a price that reflects the Fund's NAV as of the last day of the calendar quarter immediately preceding the effective date of the redemption, as adjusted for additional contributions and distributions.

If liquid assets are insufficient to redeem all Fund redemption requests, a pro rata portion of the outstanding Fund redemption interests pursuant to such requests based upon the relative Fund percentage interests as of such redemption date of the Fund investors who are being redeemed (regardless of the redemption effective date of the redemption notices), will be redeemed to the extent that liquid assets are available, and in each case within 10 days after the Fund's NAV for the end of a calendar quarter has been determined.

- (3) Prudential Real Estate (PRISA) - The Fund's investment objective is to produce a total return each year that outperforms the NCREIF Fund Index Open-End Diversified Core Equity (NFI-ODCE) on a total-return basis, while maintaining the benefits of a broadly diversified, core portfolio. Investors may request a withdrawal from PRISA at any time. Redemptions are paid only on valuation dates, on the last business day of a calendar quarter. All written requests received by PRISA at least a quarter prior to the valuation date will be eligible for payment. For example, a written request received during the first calendar quarter will be eligible to be paid on the last business day of June. PRISA may, in its discretion, waive the notice requirement.

Redemption payments are subject to available cash as determined by PRISA after all contractual obligations are met and appropriate reserves are maintained to meet anticipated future portfolio operating requirements. If eligible redemption requests exceed available cash in a given quarter, an exit queue will be established.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 4—Fair Value Measurements (Continued)

Investment in the Fund is valued at the current day closing net asset value per share. A unit value is the value of a single unit or "share" in an investment account on the specified day. The unit value changes depending on the investment results of the investment account and reflects realized and unrealized capital gains/losses, investment income, and may include fees/expenses. The estimate of fair value for real estate is based on the conventional approaches to value, all of which require the exercise of subjective judgment. The three approaches are: (1) current cost of reproducing the real estate less deterioration and functional and economic obsolescence; (2) discounting a series of income streams and reversion at a specific yield or by directly capitalizing a single year income estimate by an appropriate factor; and (3) value indicated by recent sales of comparable real estate in the market. In the reconciliation of these three approaches, the independent appraiser uses one or a combination of them, to come up with the approximated value for the type of real estate in the market.

The Fund's redemption notice period must be at least 90 days; therefore, any sales price could differ from the net asset value because of the 90-day notice period.

- (4) Prime Property Fund – The Prime Property Fund (PPF) is a core, fully-specified, open-ended commingled real estate investment fund diversified by property type and location designed to provide a stable, income-driven rate of return over the long term with potential for growth of income and appreciation of value. The investment strategy of the PPF is to maintain a diversified investment in core U.S. real estate that offers stable, highly predictable cash flow returns. The focus is on high-quality office buildings, Class A multifamily communities, warehouse distribution and storage facilities, top tier super regional malls and shopping centers in targeted primary markets, and consumer-oriented healthcare-related real estate with high-quality providers. The PPF generally will invest in existing, high-quality, well-leased properties. However, a portion of the PPF's assets (generally less than 15% of gross assets) may be invested in properties with reasonable asset enhancement opportunities, including, for example, funded forward purchase commitments involving new construction and development properties. The PPF seeks stabilized investments that generally yield current income of 4.0% to 6.0%. The PPF may invest in high-grade properties that yield current income of less than 4.0% if, for example, they possess above-average growth opportunities or are of prime quality or if the capitalization rates in the relevant property sector dictate lower yield. The PPF favors investments that are likely to produce income growth equal to or greater than anticipated inflation rates.

Investment values are determined quarterly from limited restricted appraisals, in accordance with the USPAP, which include less documentation but nevertheless meet the minimum requirements of the Appraisal Standards Board and the Appraisal Foundation and are considered appraisals. In these appraisals, a full discounted cash flow analysis, which is the basis of an income approach, is the primary focus. Interim monthly valuations are determined by giving consideration to material investment transactions. Full appraisal reports are prepared on a rotating basis for all properties, so each property receives a full appraisal report at least once every three years.

The System has the right to request a redemption of shares on a quarterly basis. A redemption request received before the end of a calendar quarter will be processed so as to be scheduled for payment generally at (or shortly after) the end of the next calendar quarter in accordance with the PPF's quarterly redemption process. Shares will be redeemed at the then Current Share Price on the day of redemption. If sufficient cash is not available to redeem all requested redemptions, the PPF will redeem the shares of all investors that have requested a redemption out of available cash on a pro rata basis. The ability to redeem funds from the PPF is subject to the availability of cash arising from net investment income, allocations, and the sale of investments in the normal course of business. To the extent that redemption requests exceed such available cash, there are uniform procedures to provide for cash payments, which may be deferred for such a period as considered necessary to protect the interests of other investors in the PPF or to obtain the funds to be redeemed.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 4—Fair Value Measurements (Continued)

- (5) Franklin Templeton-Emerging Markets - The emerging market public equity strategy seeks to provide long-term capital growth by investing mainly in equity securities of companies located in or significantly exposed to emerging or frontier markets. Certain strategies are focused primarily on companies within specific regions, such as Asia, Latin America or Eastern Europe, within specific countries, such as India, or within specific market capitalizations, such as small caps, while others invest across the entire emerging market spectrum. The Adviser's focus is on identifying companies with sustainable earnings power at a discount to their intrinsic value, which is consistent with the three tenets of Sir John Templeton: patient, long-term outlook; bottom-up stock selection; and value orientation. The emerging market public equity strategy employs an investment process rooted in original fundamental research and long-term focus, and characterized by a search for sustainable earnings power at a discount. The Adviser believes that its competitive advantage lies in extensive locally based emerging markets resources, access and expertise; global perspective within the investment team; broader resources across Franklin Templeton; and an investment approach that is robust, scalable, and continuously refined.
- (6) William Blair-Emerging Markets - The investment strategy relies on fundamental company analysis and stock selection as primary investment criteria. The desired criteria is as follows: (1) the company exhibits historical superior growth, profitability and quality relative to local markets or to companies within the same industry worldwide; and the company has a reasonable expectation of continued growth performance; (2) the company generally exhibits superior business fundamentals, including leadership in its field, quality products or services, distinctive marketing and distribution, pricing flexibility and revenue from products or services consumed on a steady, recurring basis; (3) the company's demonstrated superior business characteristics are accompanied by management that is shareholder return-oriented and that uses conservative accounting policies; and (4) the company has above-average returns on equity, a strong balance sheet and consistent, above-average earnings growth. Stock selection takes into account both local and global comparisons. The weight given to a particular criterion depends upon the circumstances, and investments might not meet all of these criteria.

Note 5—Deposits and Investment Risk

A. Cash and Cash Equivalents

Cash and cash equivalents include cash deposited in banks and short-term repurchase agreements. Cash is insured by the Federal Deposit Insurance Corporation (FDIC) up to \$250,000 and cash equivalents are collateralized by the pledge of government securities held by the agents in TRSL's name.

B. Custodial Credit Risk

Custodial credit risk for deposits is the risk that in the event of a bank failure, the System's deposits may not be returned to them. At June 30, 2022 and 2021, all deposits were insured by FDIC insurance and pledged collateral held in joint custody.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 5—Deposits and Investment Risk (Continued)

B. Custodial Credit Risk (Continued)

Custodial credit risk for investments is the risk that, in the event of the failure of the counterparty, the System's trust fund 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, are not registered in the name of the System, and are held by either a counterparty or by the counterparty's trust department or agent but not in the System's name. It is the System's policy to contract with the custodian to provide safeguarding of deposits and securities. Assets held by financial institutions in their capacity as trustee or custodian are not considered to be assets of that institution as a corporate entity for insolvency purposes. These assets are segregated from the corporate assets of the financial institution and are accounted for separately on the institution's general ledger. As a result of this segregation, assets held in a custodial capacity should not be affected if the custodial institution were placed into receivership by its regulators. Investments in external investment pools and in open-end mutual funds are not exposed to custodial credit risks because their existence is not evidenced by securities that exist in physical or book entry form.

C. Credit Risk

Credit risk is defined as the risk that an issuer or other counterparty to an investment will not fulfill its obligations. The System's investment policy requires investments in core fixed income portfolios to be rated Baa3 or BBB- or higher by Moody's or Standard & Poor's, respectively. High-yield investment portfolios shall be invested in securities rated from Ba-1 to Caa or BB+ to CCC as rated by Moody's and Standard & Poor's, respectively. Non-rated securities and securities rated below Caa or CCC shall not exceed 20% of the fair value of the portfolio.

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Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 5—Deposits and Investment Risk (Continued)

C. Credit Risk (Continued)

The System's exposure to credit risk at June 30, 2022 is as follows:

Moody's Rating	Debt Securities		
	Total	Domestic	International
A1	\$ 57,269,764	\$ 20,202,760	\$ 37,067,004
A2	73,187,072	42,378,673	30,808,399
A3	73,265,786	28,028,993	45,236,793
AA1	16,783,576	4,817,628	11,965,948
AA2	25,001,464	5,988,972	19,012,492
AA3	27,823,039	9,667,950	18,155,089
AAA	1,108,587,432	1,038,125,488	70,461,944
B1	41,585,014	30,912,472	10,672,542
B2	63,113,233	34,132,291	28,980,942
B3	37,334,890	27,712,287	9,622,603
BA1	36,201,382	27,368,958	8,832,424
BA2	121,327,258	27,007,237	94,320,021
BA3	71,186,325	37,773,942	33,412,383
BAA1	173,756,507	50,175,663	123,580,844
BAA2	135,117,814	79,793,844	55,323,970
BAA3	113,916,172	63,896,873	50,019,299
C	418,079	166	417,913
CA	283,787	140,717	143,070
CAA1	26,931,209	16,696,343	10,234,866
CAA2	21,647,087	18,767,525	2,879,562
CAA3	4,893,468	677,569	4,215,899
NR	1,544,405,599	1,189,467,192	354,938,407
WR	46,967,034	3,596,583	43,370,451
Total credit risk debt securities	<u>\$ 3,821,002,991</u>	<u>\$ 2,757,330,126</u>	<u>\$ 1,063,672,865</u>

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Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 5—Deposits and Investment Risk (Continued)

C. Credit Risk (Continued)

The System's exposure to credit risk at June 30, 2021 is as follows:

<u>Moody's Rating</u>	<u>Debt Securities</u>		
	<u>Total</u>	<u>Domestic</u>	<u>International</u>
A1	\$ 84,036,588	\$ 16,911,273	\$ 67,125,315
A2	121,027,491	63,299,942	57,727,549
A3	102,660,372	42,419,521	60,240,851
AA1	26,364,296	10,635,547	15,728,749
AA2	28,566,889	12,334,036	16,232,853
AA3	35,679,695	15,528,168	20,151,527
AAA	1,114,953,564	1,035,819,977	79,133,587
B1	56,971,213	42,312,225	14,658,988
B2	79,628,320	46,510,216	33,118,104
B3	45,663,747	29,533,265	16,130,482
BA1	59,381,365	44,051,761	15,329,604
BA2	194,617,495	50,511,479	144,106,016
BA3	83,469,092	46,018,041	37,451,051
BAA1	200,132,266	57,841,544	142,290,722
BAA2	199,338,863	109,493,912	89,844,951
BAA3	190,832,052	100,544,768	90,287,284
C	686,854	411,253	275,601
CA	593,048	396,395	196,653
CAA1	42,751,784	27,369,334	15,382,450
CAA2	23,463,830	19,907,184	3,556,646
CAA3	4,627,007	1,631,703	2,995,304
NR	1,733,461,006	1,376,753,710	356,707,296
WR	13,146,485	4,244,979	8,901,506
Total credit risk debt securities	<u>\$ 4,442,053,322</u>	<u>\$ 3,154,480,233</u>	<u>\$ 1,287,573,089</u>

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Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 5—Deposits and Investment Risk (Continued)

D. Interest Rate Risk

Interest rate risk is defined as the risk that changes in interest rates will adversely affect the fair value of an investment.

At June 30, 2022 the System's maturities for debt securities are as follows:

<u>Investment</u>	<u>Fair Value</u>	<u>Less than 1 Year</u>	<u>1 - 5 Years</u>	<u>5 - 10 Years</u>	<u>More than 10 Years</u>
U. S. Treasury and government agency	\$ 1,012,841,326	\$ 122,239,263	\$ 263,095,880	\$ 218,829,390	\$ 408,676,793
Collateralized mortgage obligations	74,375,505	28,234	13,888,091	6,243,435	54,215,745
Corporate bonds	331,970,257	11,165,754	119,354,274	115,941,219	85,509,010
Other	424,018,697	2,749,630	83,071,682	204,150,011	134,047,374
Foreign corporate bonds	185,880,345	15,088,966	82,079,054	38,306,797	50,405,528
Foreign government bonds	492,286,425	30,507,725	91,428,396	189,641,852	180,708,452
Foreign treasuries	49,754,672	2,627,603	12,123,118	3,852,616	31,151,335
Foreign other	229,126,262	6,272,453	95,634,500	85,632,797	41,586,512
Short-term investments	<u>1,020,749,502</u>	<u>1,020,749,502</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total	<u>\$ 3,821,002,991</u>	<u>\$ 1,211,429,130</u>	<u>\$ 760,674,995</u>	<u>\$ 862,598,117</u>	<u>\$ 986,300,749</u>

At June 30, 2021 the System's maturities for debt securities are as follows:

<u>Investment</u>	<u>Fair Value</u>	<u>Less than 1 Year</u>	<u>1 - 5 Years</u>	<u>5 - 10 Years</u>	<u>More than 10 Years</u>
U. S. Treasury and government agency	\$ 1,110,738,112	\$ 92,916,277	\$ 401,532,612	\$ 142,668,214	\$ 473,621,009
Collateralized mortgage obligations	72,667,220	31,942	8,243,370	2,990,404	61,401,504
Corporate bonds	538,612,484	26,242,950	179,042,711	150,613,405	182,713,418
Other	434,133,960	3,776,814	180,139,882	132,874,619	117,342,645
Foreign corporate bonds	286,484,299	19,978,590	123,653,557	56,185,539	86,666,613
Foreign government bonds	613,668,454	19,003,672	134,461,466	221,611,783	238,591,533
Foreign treasuries	60,254,622	-	16,918,814	27,453,466	15,882,342
Foreign other	252,188,513	4,152,597	75,114,099	96,761,929	76,159,888
Short-term investments	<u>1,073,305,658</u>	<u>1,073,305,658</u>	<u>-</u>	<u>-</u>	<u>-</u>
Total	<u>\$ 4,442,053,322</u>	<u>\$ 1,239,408,500</u>	<u>\$ 1,119,106,511</u>	<u>\$ 831,159,359</u>	<u>\$ 1,252,378,952</u>

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 5—Deposits and Investment Risk (Continued)

D. Interest Rate Risk (Continued)

TRSL, as expressed in its Investment Policy Statement, expects its fixed income managers to approximate the portfolio's duration (a measure of a debt investment's exposure to fair value changes arising from changing interest rates) to its benchmark.

E. Foreign Currency Risk

Foreign currency risk is defined as the risk that changes in exchange rates will adversely affect the fair value of an investment or a deposit. Investment risk and foreign currency risk as measured by tracking error has been reduced by the use of the overlay program. The System's asset allocation plan adopted in its Investment Policy Statement includes a maximum of 40% for international equities and fixed income.

At June 30, 2022 the System's foreign currency risk is as follows:

<u>Currency</u>	<u>Percentage</u>	<u>Total</u>	<u>Bonds</u>	<u>Preferred Stock</u>	<u>Stocks</u>	<u>Short-Term Investments</u>	<u>Private Equity</u>
Argentinian Peso	0.02%	\$ 893,281	\$ -	\$ -	\$ -	\$ 893,281	\$ -
Australian Dollar	4.12%	155,015,202	39,571,238	-	115,779,458	(335,494)	-
Brazilian Real	1.72%	64,742,816	51,645,075	2,839,526	9,356,294	901,921	-
Canadian Dollar	3.09%	116,324,818	2,285,752	-	113,586,986	452,080	-
Chilean Peso	0.10%	3,729,325	3,729,325	-	-	-	-
Chinese Yuan Renminbi	0.05%	1,915,363	745,799	-	-	1,169,564	-
Colombian Peso	0.71%	26,155,416	25,549,945	-	-	605,471	-
Czech Koruna	0.18%	6,822,066	6,567,365	-	-	254,701	-
Danish Krone	1.73%	65,286,561	16,702,458	-	48,579,593	4,510	-
Egyptian Pound	0.09%	3,565,809	2,800,877	-	-	764,932	-
Euro Currency Unit	43.74%	1,647,087,466	57,290,949	25,057,832	767,689,757	25,431,293	771,617,635
Hong Kong Dollar	4.22%	158,892,753	-	-	157,115,825	1,776,928	-
Hungarian Forint	0.13%	4,932,351	1,478,679	-	3,198,709	254,963	-
Indian Rupee	0.00%	47,979	47,979	-	-	-	-
Indonesian Rupiah	0.90%	33,724,751	27,147,286	-	5,835,069	742,396	-
Israeli Shekel	0.53%	19,943,116	1,684,251	-	6,670,643	11,588,222	-
Japanese Yen	12.45%	468,909,645	17,011,648	-	340,044,616	111,853,381	-
Malaysian Ringgit	1.06%	39,912,026	36,965,583	-	2,471,959	474,484	-
Mexican Peso	2.13%	80,364,782	76,603,876	-	2,851,470	909,436	-
New Zealandic Dollar	0.06%	2,133,871	101,456	-	1,068,738	963,677	-
Norwegian Krone	0.59%	22,147,400	-	-	21,954,264	193,136	-
Peruvian Sol	0.30%	11,437,020	10,949,605	-	-	487,415	-
Philippine Peso	0.06%	2,255,752	2,245,922	-	-	9,830	-
Polish Zloty	0.41%	15,408,799	14,149,651	-	829,587	429,561	-
Pound Sterling	11.01%	414,443,366	26,818,165	326,154	299,964,919	28,529,982	58,804,146
Romanian Leu	0.06%	2,303,170	1,620,444	-	-	682,726	-
Russian Ruble (New)	0.76%	28,481,764	28,481,761	-	-	3	-
	90.22%	3,396,876,668	452,195,089	28,223,512	1,896,997,887	189,038,399	830,421,781

(Continued)

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 5—Deposits and Investment Risk (Continued)

E. Foreign Currency Risk (Continued)

<u>Currency</u>	<u>Percentage</u>	<u>Total</u>	<u>Bonds</u>	<u>Preferred Stock</u>	<u>Stocks</u>	<u>Short-Term Investments</u>	<u>Private Equity</u>
Amounts Carried Forward	90.22%	\$ 3,396,876,668	\$ 452,195,089	\$ 28,223,512	\$ 1,896,997,887	\$ 189,038,399	\$ 830,421,781
Singaporean Dollar	1.12%	42,318,296	8,225,122	-	34,363,805	(270,631)	-
South African Rand	1.27%	47,877,261	40,874,825	-	4,001,891	3,000,545	-
South Korean Won	1.11%	41,742,115	16,995,050	-	23,946,302	800,763	-
Swedish Krona	1.66%	62,510,962	(84,787)	-	62,268,038	327,711	-
Swiss Franc	3.83%	144,192,596	(1,596,271)	-	141,172,433	4,616,434	-
Thai Baht	0.47%	17,816,333	14,140,437	-	3,639,942	35,954	-
Turkish Lira	0.16%	5,932,093	-	-	5,863,724	68,369	-
Uruguayan Peso	0.16%	6,146,772	6,146,772	-	-	-	-
Total	100.00%	\$ 3,765,413,096	\$ 536,896,237	\$ 28,223,512	\$ 2,172,254,022	\$ 197,617,544	\$ 830,421,781

At June 30, 2021 the System's exposure to foreign currency risk is as follows:

<u>Currency</u>	<u>Percentage</u>	<u>Total</u>	<u>Bonds</u>	<u>Preferred Stock</u>	<u>Stocks</u>	<u>Short-Term Investments</u>	<u>Private Equity</u>
Argentinian Peso	0.02%	\$ 1,106,270	\$ 217,188	\$ -	\$ -	\$ 889,082	\$ -
Australian Dollar	3.30%	155,992,725	46,223,671	-	109,656,909	112,145	-
Brazilian Real	1.32%	62,536,830	45,331,153	5,921,911	9,832,934	1,450,832	-
Canadian Dollar	3.11%	146,969,298	3,503,536	-	143,582,044	(116,282)	-
Chilean Peso	0.09%	4,379,472	4,379,472	-	-	-	-
Chinese Yuan	0.17%	8,134,877	(133,315)	-	8,017,619	250,573	-
Colombian Peso	0.85%	39,041,111	38,284,625	-	-	756,486	-
Czech Koruna	0.09%	4,427,772	4,283,059	-	-	144,713	-
Danish Krone	2.38%	112,567,417	22,776,802	-	89,407,514	383,101	-
Egyptian Pound	0.03%	1,372,361	1,372,361	-	-	-	-
Euro Currency Unit	42.23%	1,996,867,417	89,570,787	35,366,011	1,012,547,843	11,987,210	847,395,566
Hong Kong Dollar	7.18%	339,735,554	-	-	339,458,787	276,767	-
Hungarian Forint	0.16%	7,633,762	2,881,373	-	4,478,789	273,600	-
Indonesian Rupiah	1.26%	59,584,174	52,055,103	-	5,574,777	1,954,294	-
Israeli Shekel	0.39%	18,557,638	7,292,219	-	3,374,713	7,890,706	-
Japanese Yen	12.83%	606,707,378	41,014,542	-	499,162,316	66,530,520	-
Malaysian Ringgit	0.73%	34,621,228	33,500,293	-	660,914	460,021	-
Mexican Peso	1.99%	94,178,112	92,803,517	-	1,337,045	37,550	-
New Zealandic Dollar	0.05%	2,267,495	541,522	-	1,246,084	479,889	-
Norwegian Krone	0.77%	36,632,234	50,197	-	36,491,797	90,240	-
Peruvian Sol	0.28%	13,233,058	13,068,940	-	-	164,118	-
Philippine Peso	0.07%	3,271,020	3,259,948	-	-	11,072	-
Polish Zloty	0.27%	12,730,280	11,226,439	-	1,001,106	502,735	-
Pound Sterling	9.40%	444,549,247	50,767,774	1,414,000	351,700,318	1,563,087	39,104,068
Romanian Leu	0.12%	5,724,238	5,128,899	-	-	595,339	-
Russian Ruble (New)	0.74%	35,104,081	34,920,261	-	-	183,820	-
Total	89.83%	4,247,925,049	604,320,366	42,701,922	2,617,531,509	96,871,618	886,499,634

(Continued)

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 5—Deposits and Investment Risk (Continued)

E. Foreign Currency Risk (Continued)

<u>Currency</u>	<u>Percentage</u>	<u>Total</u>	<u>Bonds</u>	<u>Preferred Stock</u>	<u>Stocks</u>	<u>Short-Term Investments</u>	<u>Private Equity</u>
Amounts Carried Forward	89.83%	\$ 4,247,925,049	\$ 604,320,366	\$ 42,701,922	\$ 2,617,531,509	\$ 96,871,618	\$ 886,499,634
Singaporean Dollar	0.74%	35,090,208	-	-	34,670,752	419,456	-
South African Rand	1.44%	67,898,889	57,430,030	-	10,238,504	230,355	-
South Korean Won	1.18%	55,898,697	49,008	-	54,790,989	1,058,700	-
Swedish Krona	2.30%	108,593,492	26,515	-	108,536,980	29,997	-
Swiss Franc	3.74%	176,940,337	(35,883)	-	176,781,571	194,649	-
Thai Baht	0.38%	17,860,091	12,825,974	-	4,975,973	58,144	-
Turkish Lira	0.22%	10,252,311	4,607,841	-	5,098,864	545,606	-
Ukrainian Hryvana	0.03%	1,559,728	-	-	-	1,559,728	-
Uruguayan Peso	0.11%	5,070,808	5,070,808	-	-	-	-
Uzbekistan Sum	0.03%	1,497,619	1,497,619	-	-	-	-
Total	<u>100.00%</u>	<u>\$ 4,728,587,229</u>	<u>\$ 685,792,278</u>	<u>\$ 42,701,922</u>	<u>\$ 3,012,625,142</u>	<u>\$ 100,968,253</u>	<u>\$ 886,499,634</u>

F. Concentration of Credit Risk

Concentration of credit risk is defined as the risk of loss attributed to the magnitude of the System's investments. TRSL's investment policy states that for each manager no more than 10% of the total portfolio fair value may be invested in any one organization. Exposure to any economic sector shall not exceed 50% of each manager's portfolio or 40% in any one country for international equity managers. Fixed income managers investments are limited to 20% of securities of foreign entities denominated in US dollars.

For the years ended June 30, 2022 and 2021, the System has no investment in any single organization (other than those issued or guaranteed by the U. S. Government) that represents 5% or more of the System's net plan assets, nor does the System hold more than 5% of any corporation's stock.

Note 6—Investments

A. General

La. R.S. 11:263 authorized the Board of Trustees to invest under the "Prudent-Man" Rule. The "Prudent-Man" Rule establishes a standard that a fiduciary shall exercise the judgment and care under the circumstances, then prevailing, which 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.

The Board of Trustees has adopted certain investment policies, objectives, rules, and guidelines that are intended to protect the System's assets in real terms such that assets are preserved to provide benefits to participants and their beneficiaries; achieve investment returns sufficient to meet the actuarial assumption necessary to improve the future soundness of the System; and maximize the total rate of return on investments within prudent parameters of risk for a retirement system of similar size and type.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 6—Investments (Continued)

A. General (Continued)

The Board of Trustees' desired investment objective is a long-term compound rate of return on the System's assets and is the greater of (a) 3.9% above the CPI-U seasonally adjusted, or (b) the actuarial rate 7.25% for FY 2022 and 7.40% for FY 2021.

The System expects the domestic and international securities investment managers to maintain diversified portfolios by sector and by issuer using the following guidelines:

B. Domestic Equity Managers

In accordance with La. R.S. 11:263, the System may invest up to 65% of its total assets in equities provided that the System invests an amount equal to at least 10% of total stock in equity indexing. The index portfolio(s) shall be invested in indices that seek either to replicate or to enhance a particular index. The index portfolio(s) may be invested in a variety of equity capitalization ranges and could be invested in either domestic or international equity.

The following guidelines shall apply to the domestic equity investment managers:

- Common stock securities, including ADRs, shall be marketable securities listed or traded on a national securities exchange. ADR securities may be traded over the counter. U.S. stocks must be registered with the Securities and Exchange Commission (SEC).
- The use of Exchange Traded Funds (ETFs) and derivatives (such as options, warrants, and futures) to establish unleveraged long positions in equity markets are permissible. Convertible securities shall be considered as part of the equity portfolio.
- Equity holdings in a single company (including common stock and convertible securities) should not exceed 10% of the manager's portfolio measured at fair value without prior Board approval.
- A minimum of 25 individual stocks should be held in the portfolio at all times.
- Equity holdings should represent at least 95% of the portfolio at all times. It is highly desirable for equity portfolios to remain as fully invested as practical.
- Equity holdings in any one GIC sector (as defined by the Standard & Poor's Global Industry Classification Standard) should not exceed 50%.
- Short-term fixed income holdings or money market securities shall be readily liquid securities and be of high quality typically rated at least A-1, P-1, or of equivalent quality.
- For an indexed equity portfolio, the investment manager may utilize either a full replication approach or sampling techniques to create a portfolio with portfolio characteristics similar to the benchmark, while not investing in all stocks in the benchmark. Also, an index manager may use options and futures in attempting to track the benchmark, but not in a manner which leverages the portfolio.
- Equity managers (growth or value) hired for the small cap investment category are expected to maintain the capitalization of the portfolio within the small-capitalization region with similar characteristics versus the benchmark.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 6—Investments (Continued)

B. Domestic Equity Managers (Continued)

- Equity managers (growth or value) hired for the mid cap investment category are expected to maintain the capitalization of the portfolio within the mid-capitalization region with similar characteristics versus the benchmark.
- Equity managers (growth or value) hired in the small/mid (SMID) cap investment category are expected to maintain the capitalization of the portfolio within the SMID-capitalization region with similar characteristics versus the benchmark.

C. Developed International Equity Managers

The following guidelines shall apply to the developed international equity investment managers:

- Marketable common stocks, preferred stocks convertible into common stocks, and fixed income securities convertible into common stocks are permissible equity investments.
- The use of Exchange Traded Funds (ETFs) and derivatives (such as options, warrants, and futures) to establish unleveraged long positions in equity markets are permissible.
- Equity holdings in a single company (including common stock and convertible securities) should not exceed 10% of the manager's portfolio measured at fair value without prior Board approval.
- A minimum of 25 individual stocks should be held in the portfolio at all times.
- Equity holdings should represent at least 95% of the portfolio at all times. It is highly desirable for equity portfolios to remain as fully invested as practical.
- Equity holdings in any one country should not exceed 40% without prior Board approval.
- Short-term fixed income holdings or money market securities shall be readily liquid securities and be of high quality typically rated at least A-1, P-1, or of equivalent quality.
- For an indexed equity portfolio, the investment manager may utilize either a full replication approach or sampling techniques to create a portfolio with portfolio characteristics similar to the mandate's benchmark, while not investing in all stocks in the benchmark. Also, an index manager may use options and futures in attempting to track the benchmark, but not in a manner which leverages the portfolio.
- For investment managers benchmarked to the MSCI All Country World Index ex U.S., the portfolio should not exceed 40% in emerging market equities without prior Board approval.
- For investment managers benchmarked to the MSCI EAFE Index, the portfolio should not exceed 20% in emerging market equities without prior Board approval.
- Currency hedging decisions are at the discretion of the investment manager.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 6—Investments (Continued)

D. Investment-Grade Core Fixed Income Investment Managers

The following guidelines shall apply to the investment-grade core fixed income investment managers:

- The fixed income securities should be invested in investment-grade rated, U.S. dollar-denominated fixed income securities and cash equivalents, including but not limited to U.S. Treasuries and Agencies, pass-through mortgages, Collateralized Mortgage Obligations (CMOs), corporates, municipals, asset-backed, Commercial Mortgage-Backed Securities (CMBS), and inflation-linked securities. Investment grade bonds are those in the four highest rating categories, as rated by Moody's Investor Service, Standard & Poor's Corporation, or Fitch. TBA securities issued by federal agency and mortgage dollar rolls may be used. Securities convertible into common stocks are prohibited. Securities that are liquid and readily marketable are preferred. Securities that have strong price volatility are not preferred.
- The benchmark for performance evaluation is the Barclays Aggregate Index.
- The duration of the fixed income portfolio should be targeted to that of the Barclays Aggregate Index. The duration may range from ± 1.5 years of the duration of the Barclays Aggregate Index.
- Fixed income holdings in a single company (excluding obligations of the United States Government and its agencies) should be limited to 5% of the manager's portfolio measured at fair value.
- Below investment-grade fixed income securities are limited to 5% of the fixed income portfolio. Split-rated securities will be considered as investment-grade related securities. Orderly liquidation should occur for securities that fall below investment-grade ratings and are greater than 5% of the fixed income portfolio. Such liquidation should occur within one year.
- Fixed income securities of foreign (non-U.S.) entities denominated in U.S. dollars are limited to 20% of the manager's portfolio, measured at fair value. Securities denominated in currencies other than the U.S. dollar are not permissible.
- Bond purchases should be limited to readily marketable securities. Private placements are not permissible investments except, Rule 144(a) securities may be included in the portfolio up to 20% of the total portfolio value.

E. Core Plus Fixed Income Investment Managers

The following guidelines shall apply to the core plus fixed income investment managers:

- The fixed income securities can be invested in investment-grade rated, U.S. dollar-denominated fixed income securities and cash equivalents, including but not limited to U.S. Treasuries and Agencies, pass-through mortgages, CMOs, corporates, municipals, asset-backed, CMBS, and inflation-linked securities. Investment grade bonds are those in the four highest rating categories, as rated by Moody's Investor Service, Standard & Poor's Corporation, or Fitch. TBA securities issued by Federal Agency and mortgage dollar rolls may be used. Fixed income convertible securities may be used. Securities that are liquid and readily marketable are preferred. Securities that have strong price volatility are not preferred.
- The benchmark for performance evaluation is the Barclays Aggregate Index.
- The duration of the fixed income portfolio should be targeted to that of the Barclays Aggregate Index. The duration may range from \pm two years of the duration of the Barclays Aggregate Index.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 6—Investments (Continued)

E. Core Plus Fixed Income Investment Managers (Continued)

- Fixed income holdings in a single company (excluding obligations of the United States Government and its agencies) should be limited to 5% of the manager's portfolio measured at fair value.
- Below investment-grade fixed income securities are limited to 25% of the fixed income portfolio. Below investment-grade securities are defined as fixed income securities below the four highest rating categories (i.e., below BBB- or Baa3). Split-rated securities will be considered as investment grade related securities.
- Fixed income securities of foreign (non-U.S.) entities are limited to 25% of the manager's portfolio, measured at fair value. Within the maximum limitation of the non-U.S. fixed income exposure, the total portfolio's investment in emerging markets is limited to 10%.
- Bond purchases should be limited to readily marketable securities. Private placements are not permissible investments except, Rule 144(a) securities may be included in the portfolio up to 20% of the total portfolio value.
- Short-term holdings shall be readily liquid securities and be rated at least A-1, P-1, or of equivalent quality.
- Fixed income core plus portfolios may invest in derivatives, including but not limited to futures, options, and swaps. Derivatives, futures, options, and swaps may only be used for the following purposes:
 - To adjust dollar-weighted duration and term structure of the portfolio
 - To protect against the downside on credit defaults
 - To dampen volatility
 - To create synthetic exposures not otherwise prohibited by these guidelines
 - To take advantage of periodic pricing anomalies
- Long futures and swaps contracts must be fully backed with cash or liquid holdings.

F. Global Fixed Income Investment Managers

The following guidelines shall apply to the global fixed income investment managers:

- The portfolio will be invested in marketable fixed income instruments, notes, and debentures issued by sovereign or corporate issuers, denominated in U.S. dollars and non-U.S. dollar currencies. Securities permissible for investment include, but are not limited to: U.S. Treasuries and Agencies, sovereign (non-U.S.) governments, sovereign agencies, pass-through mortgages, non-agency mortgages, CMOs, U.S. and non-U.S. corporates, municipals, asset-backed, CMBS, and inflation-linked securities.
- It is anticipated that the portfolio will be invested in investment-grade and below investment-grade rated securities. Investment-grade bonds are those in the four highest rating categories, as rated by Moody's Investor Service, Standard & Poor's Corporation, or Fitch. TBA securities issued by federal agency and mortgage dollar rolls may be used. Fixed income convertible securities may be used. Securities that are liquid and readily marketable are preferred.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 6—Investments (Continued)

F. Global Fixed Income Investment Managers (Continued)

- The benchmark for performance evaluation is the Barclays Global Aggregate Index (unhedged).
- The duration of the fixed income portfolio may range from \pm four years of the duration of the Barclays Global Aggregate Index (unhedged).
- Fixed income holdings in a single company (defined as any one corporate bond issuer) should be limited to 5% of the manager's portfolio measured at fair value.
- Below investment-grade fixed income securities are limited to 35% of the total fixed income portfolio. Below investment-grade securities are defined as fixed income securities rated below the four highest rating categories (i.e., below BBB- or Baa3). Split-rated securities will be considered as investment-grade related securities.
- The portfolio's investment in emerging markets debt is limited to 35%. Emerging market countries are defined as: (i) included in the JP Morgan EMBI Global Index, the JP Morgan CEMBI Broad Index, or the JP Morgan GBI-EM Global Diversified Index or; (ii) classified by the World Bank as low or middle income in its annual classification of national incomes or; (iii) classified by the World Bank as high income in its annual classification of national income, but is not an Organization for Economic Co-operation and Development (OECD) member.
- Bond purchases should be limited to readily marketable securities. Private placements are not permissible investments, except Rule 144(a) securities may be included in the portfolio up to 20% of the total fixed income portfolio.
- Short-term holdings (i.e., less than one year in maturity) shall be readily liquid securities and be rated at least A-1, P-1, or of equivalent quality.
- Currency decisions are at the discretion of the investment manager. Non-dollar securities may be held on a currency hedged or un-hedged basis. The portfolio may invest in currency exchange transactions on a spot or forward basis. Both long and short currency exposures are permissible.
- Global fixed income portfolios may invest in derivatives, including but not limited to futures, options, and swaps. Derivatives, futures, options, and swaps may only be used for the following purposes:
 - To adjust dollar-weighted duration and term structure of the portfolio
 - To protect against the downside on credit defaults
 - To dampen volatility
 - To create synthetic exposures not otherwise prohibited by these guidelines
 - To take advantage of periodic pricing anomalies
- Long futures and swaps contracts must be fully backed with cash or liquid holdings.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 6—Investments (Continued)

G. High-Yield Fixed Income Investment Managers

The following guidelines shall apply to the high-yield, fixed income investment managers:

- The fixed income securities can be invested in below investment grade rated U.S. dollar denominated fixed income securities and cash equivalents, including but not limited to U.S. Treasuries and Agencies, corporates, municipals, asset-backed, bank loans, and convertible securities. Below investment grade securities are defined as fixed income securities below Baa3 or BBB-, rated by Moody's Investor Service, Standard & Poor's Corporation, or Fitch.
- The benchmark for performance evaluation is the Bank of America Merrill Lynch U.S. High-Yield Master II Index.
- Fixed income holdings in a single company (excluding obligations of the United States Government and its agencies) should be limited to 5% of the manager's portfolio measured at fair value.
- Below investment grade fixed income securities which are rated below B3 or B- by Moody's Investor Service, Standard & Poor's Corporation, or Fitch are limited to 15%.
- Fixed income securities of foreign (non-U.S.) entities are limited to 15% of the manager's portfolio, measured at fair value.
- The investment manager should consider the liquidity and marketability of securities prior to investment. Private placements are not permissible investments except, Rule 144(a) securities may be included in the portfolio up to 25% of the total portfolio value.
- Short-term holdings (i.e., less than one year in maturity) shall be readily liquid securities and be rated at least A-1, P-1, or of equivalent quality.

H. Global High Yield Fixed Income Investment Manager(s)

The following guidelines shall apply to the global high yield fixed income investment manager(s):

- The portfolio will be invested in below investment grade fixed income instruments, notes, and debentures issued by sovereign or corporate issuers, denominated in U.S. dollars and non-U.S. dollar currencies. Below investment grade securities are defined as fixed income securities below Baa3 or BBB-, rated by Moody's Investor Service, Standard & Poor's Corporation, or Fitch.
- The benchmark for performance evaluation is the Barclays Global High Yield Index – Unhedged.
- The duration of the fixed income portfolio may range from \pm two years of the duration of the Barclays Global High Yield Index – Unhedged.
- Fixed income holdings in a single company (excluding obligations of the United States Government and its agencies) should be limited to 4% of the manager's portfolio measured at fair value.
- Below investment grade fixed income securities which are rated CCC or below by Moody's Investor Service, Standard & Poor's Corporation, or Fitch are limited to 25%.
- Non-U.S. dollar denominated fixed income securities are limited to 50% of the portfolio.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
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Note 6—Investments (Continued)

H. Global High Yield Fixed Income Investment Manager(s) (Continued)

- The portfolio's maximum investment in emerging markets debt is limited to the benchmark weight plus 10% and the minimum investment allowed is 0%. Emerging Market Countries are defined as: (i) included in the JP Morgan EMBI Global Index, the JP Morgan CEMBI Broad Index, or the JP Morgan GBI-EM Global Diversified Index or; (ii) classified by the World Bank as low or middle income in its annual classification of national incomes or; (iii) classified by the World Bank as high income in its annual classification of national income, but is not an Organization for Economic Co-operation and Development (OECD) member.
- Investments in bank loans are limited to 10% of the portfolio measured at fair value.
- Investments in securitized fixed income securities are limited to 20% of the portfolio measured at fair value.
- Investments in convertible bonds are limited to 10% of the portfolio measured at fair value.
- Investment manager should consider the liquidity and marketability of securities prior to investment. Private placements are not permissible investments except, Rule 144(a) securities may be included in the portfolio up to 60% of the total portfolio value.
- Short-term holdings (i.e., less than one year in maturity) shall be readily liquid securities and be rated at least A-1, P-1, or of equivalent quality.
- Currency decisions are at the discretion of the investment manager. Non-dollar securities may be held on a currency hedged or un-hedged basis. The portfolio may invest in currency exchange transactions on a spot or forward basis. Both long and short currency exposures are permissible.
- Global high yield fixed income portfolios may invest in derivatives, including but not limited to futures, options, and swaps. Derivatives, futures, options, and swaps may only be used for the following purposes:
 - To adjust dollar-weighted duration and term structure of the portfolio
 - To protect against the downside on credit defaults
 - To dampen volatility
 - To create synthetic exposures not otherwise prohibited by these guidelines
 - To take advantage of periodic pricing anomalies
- Long futures and swaps contracts must be fully backed with cash or liquid holdings.

I. Emerging Markets Debt Investment Manager(s)

The following guidelines shall apply to the emerging markets debt investment manager(s):

- The portfolio will be invested primarily in marketable fixed income instruments, notes, and debentures issued by emerging market sovereign or corporate issuers, denominated in U.S. dollars and non-U.S. dollar currencies. Securities permissible for investment include, but are not limited to: obligations of foreign governments (or their subdivisions or agencies), international agencies, and supranational entities, and obligations of foreign corporations such as corporate bonds. Securities that are liquid and readily marketable, at time of purchase, are preferred.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 6—Investments (Continued)

I. Emerging Markets Debt Investment Manager(s) (Continued)

- Emerging market countries are defined as: (i) included in the JP Morgan EMBI Global Index, the JP Morgan CEMBI Broad Index, or the JP Morgan GBI-EM Global Diversified Index or; (ii) classified by the World Bank as low or middle income in its annual classification of national incomes or; (iii) classified by the World Bank as high income in its annual classification of national income, but is not an Organization for Economic Co-operation and Development (OECD) member.
- The benchmark for performance evaluation is the JPMorgan GBI-EM Global Diversified Index.
- The duration of the fixed income portfolio may range from \pm two years of the duration of the JPMorgan GBI- EM Global Diversified Index.
- Fixed income holdings in a single company should be limited to 3% of the manager's portfolio measured at fair value.
- Below investment-grade fixed income securities are limited to 40% of the fixed income portfolio. Below investment-grade securities are defined as fixed income securities below the four highest rating categories (i.e., below BBB- or Baa3). Split-rated securities will be considered as investment grade related securities.
- Rule 144(a) securities may be included in the portfolio up to 40% of the total portfolio value.
- Short-term holdings (i.e., less than one year in maturity) shall be readily liquid securities and be rated at least A-1, P-1, or of equivalent quality.
- Currency decisions are at the discretion of the investment manager. Non-dollar securities may be held on a currency hedged or un-hedged basis. The portfolio may invest in currency exchange transactions on a spot or forward basis. Both long and short currency exposures are permissible.
- Emerging markets debt portfolio(s) may invest in derivatives, including but not limited to futures, options, and swaps. Derivatives, futures, options, and swaps may only be used for the following purposes:
 - To adjust dollar-weighted duration and term structure of the portfolio
 - To protect against the downside on credit defaults
 - To dampen volatility
 - To create synthetic exposures not otherwise prohibited by these guidelines
 - To take advantage of periodic pricing anomalies
- Long futures and swaps contracts must be fully backed with cash, cash equivalents, offsetting derivative contracts, or other liquid holdings.

J. Emerging Markets Equities Managers

The following guidelines shall apply to the emerging markets equities managers with separate accounts. For emerging market equities managers utilizing mutual funds or commingled funds, it is expected that the portfolio will generally, not necessarily, conform to these guidelines, but will fully comply with the prospectus and/or private placement memorandum.

- The benchmark for performance evaluation is the MSCI Emerging Markets Index (Net Dividends).

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 6—Investments (Continued)

J. Emerging Markets Equities Managers (Continued)

- Securities permissible for investment include, but are not limited to: marketable common stocks, preferred stocks convertible into common stocks, fixed income securities convertible into common stocks, American Depositary Receipts (ADRs), and Global Depositary Receipts (GDRs) in emerging markets are permissible equity investments.
- The use of Exchange Traded Funds (ETFs) and derivatives (such as options, warrants, and futures) to establish unleveraged long positions in emerging markets are permissible.
- Equity holdings in a single company (including common stock and convertible securities) should not exceed 10% of the manager's portfolio measured at fair value without prior Board approval.
- A minimum of 25 individual stocks should be held in the portfolio at all times.
- Equity holdings should represent at least 95% of the portfolio at all times. It is highly desirable for equity portfolios to remain as fully invested as practical.
- Equity holdings in any one country should not exceed 40% without prior Board approval.
- Short-term fixed income holdings or money market securities shall be readily liquid securities and be of high quality typically rated at least A-1, P-1, or of equivalent quality.
- Currency hedging decisions are at the discretion of the investment manager.

K. Alternative Assets Investment Managers

The following guidelines provide a general framework for selecting, building, and managing the System's investments in private equity, venture capital, private market debt, infrastructure, and commodities.

- The benchmarks for performance evaluation of the Alternative Asset classes net of all fees and expenses are as follows:
 - Corporate Finance/Buyout: Russell 3000 +300 basis points
 - Venture Capital: Russell 2000 Growth + 200 basis points
 - Private Market Debt: Merrill Lynch U.S. High-Yield Master II +200 basis points
 - Commodities: Dow Jones UBS Commodities Index
 - Infrastructure: Consumer Price Index + 500 basis points
 - Farmland: NCREIF Farmland Index
- The System will invest primarily in limited partnership interests of pooled vehicles including Funds, Co-Investments, Separate Accounts and Secondary Investments.
- The maximum investment in any single partnership shall be no greater than 1% of the System's total assets at the time of commitment.
- The System's commitment to any given partnership, for funds targeting \$500 million or less of total commitments, shall not exceed 20% of that partnership's total commitments. An exemption to this guideline may be granted for separate accounts, subject to prior Board approval.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 6—Investments (Continued)

K. Alternative Assets Investment Managers (Continued)

- The System's commitment to any given partnership, for funds targeting more than \$500 million of total commitments, shall not exceed 10% of that partnership's total commitments. An exemption to this guideline may be granted for separate accounts, subject to prior Board approval.
- The System should diversify the sources of risk in the portfolio, specifically;
 - No more than 15% of the Alternative Assets total exposure (costs plus unfunded commitments) may be attributable to partnerships by the same manager at the time the commitment is made.
 - The System shall diversify the portfolio across vintage years.
 - The System will be mindful of over-concentration to any one industry, investment strategy and/or geography. Should the Investment Manager deem the portfolio to be overly concentrated to any industry, investment strategy or geography, the System shall attempt to reduce this exposure by limiting future commitments to partnerships focused on the over-concentrated segment.
 - The System shall use separate accounts to obtain below prevailing market rates on management fees or carried interest or to gain access to certain strategies which are difficult for the System to directly access (e.g., Venture Capital).
 - The System shall seek Co-Investments only where the System is an existing limited partner.
 - The System should seek to obtain a limited partner advisory board seat for each partnership investment.

The table below shows the cumulative commitments and cumulative cash flow totals (in billions) since inception for the last two years:

	June 30, 2022	June 30, 2021
Commitments	\$ 25.2	\$ 22.7
Calls for funding	20.5	18.3
Unfunded commitments	6.9	5.9
Distributions	19.5	16.9

L. Real Estate Investment Managers

The following sets forth guidelines that provide a general framework for selecting, building, and managing of the System's real estate portfolio. The System's underlying real estate investments shall be classified under two primary strategies: Core and Opportunistic.

- The benchmark for performance evaluation of the real estate strategies is as follows:
 - Core: NCREIF Property Index
 - Opportunistic: NCREIF Property Index +200 bps
- The System will invest primarily in limited partnership interests of pooled vehicles including funds, co-investments, separate accounts, and secondary investments.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 6—Investments (Continued)

L. Real Estate Investment Managers (Continued)

- The System shall use separate accounts to obtain below prevailing market rates on management fees or carried interest.

Core Real Estate

- The Investment Manager shall choose Core Real Estate Investments which, in aggregate, consist of a well-diversified portfolio of property types and geographies.
- Core Real Estate shall include, but not be limited to the following property types: warehouses, industrial, apartments, offices, storage, land development, single family homes, parking garages, hotels, and retail.
- Core Real Estate investment funds shall target no more than 35% debt (leverage).

Opportunistic Real Estate

- The maximum investment in any single partnership shall be no greater than 1% of the System's total assets at the time of commitment.
- The Investment Manager shall choose Opportunistic Real Estate investments which, in aggregate, consist of a well-diversified portfolio of property types, geographies and risk profiles. Should the Investment Manager deem the Portfolio to be overly concentrated to any geography or property type, the System shall attempt to reduce this exposure by limiting future commitments to partnerships focused on the over-concentrated segment.
- The System's commitment to any given partnership, for funds targeting \$500 million or less of total commitments, shall not exceed 20% of that partnership's total commitments. An exemption to this guideline will be given for separate accounts.
- The System's commitment to any given partnership, for funds targeting more than \$500 million of total commitments, shall not exceed 10% of that partnership's total commitments. An exemption to this guideline will be given for separate accounts.
- Opportunistic Real Estate investment funds shall target no more than 80% debt (leverage).
- The System shall diversify the portfolio across vintage years.

M. Global Real Estate Investment Trust (REIT) Managers

The following guidelines shall apply to the global REIT managers:

- The manager shall invest in companies located globally, including U.S., non-U.S. developed and emerging markets, which are REITs, income-producing real estate or real-estate related assets. U.S. companies must be registered with the Securities and Exchange Commission. Equity securities shall be restricted to those issues listed on the major local-country stock exchanges.
- Private placements per SEC Rule 144(a) securities are permissible.
- Holdings in a single REIT should not exceed 10% of the manager's portfolio measured at fair value without prior Board approval.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 6—Investments (Continued)

M. Global Real Estate Investment Trust (REIT) Managers (Continued)

- Holdings should represent at least 95% of the portfolio at all times. It is highly desirable for portfolios to remain as fully invested as practical.
- The account/portfolio should be diversified on an individual name, real estate sub-sector and country basis.
- The benchmark for performance evaluation is the FTSE EPRA/NAREIT Developed Index.
- Short-term fixed income holdings or money market securities shall be readily liquid securities and be of high quality typically rated at least A-1, P-1, or of equivalent quality.
- Currency hedging decisions are at the discretion of the investment manager.

N. Opportunistic Investments

The following guidelines govern opportunistic investments:

- TRSL's Opportunistic investments encompass a range of strategies that are typically short to intermediate term (i.e., three to seven years). The opportunistic asset class was created in order to enhance the return and risk characteristics of the Total Fund as well as to provide diversification.
- Public and private assets are potential investment targets for the Opportunistic asset class. Some of these opportunistic investments may be available for investment only during certain market environments and may be available only for a limited time.
- This asset class does not have a target allocation, but instead will remain between 0 – 5% of the Total Fund based on the cost of the investment. This range will avoid the occurrence of a forced liquidation in the event that the other publicly traded assets decrease significantly in value, causing the Opportunistic asset class to increase significantly above the intended allocation.
- The recommendation to consider an investment for the Opportunistic asset class will be based on a variety of factors including future return prospects of the investment; stability of investment management team and/or changes in investment approach; appropriateness of the strategy; and other relevant factors.
- The Staff, Investment Consultant and, where appropriate (i.e., private market asset classes), Private Markets Manager will evaluate and monitor the strategies to include in this asset category and make recommendations for termination when appropriate.
- The benchmark(s) for this asset class will be customized to reflect the unique risk and reward characteristics of the investment.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 6—Investments (Continued)

O. Asset Allocation

The System's target asset allocation policy as of June 30, 2022 and 2021 is as follows:

<u>Asset Class</u>	<u>Target Allocation 2022</u>	<u>Target Allocation 2021</u>
Global equity	46.0%	46.0%
Global fixed income	18.5%	18.5%
Private assets*	25.5%	25.5%
Real estate	10.0%	10.0%

*Private assets include corporate finance/buyouts, venture capital, mezzanine, distressed debt, infrastructure, commodities, farmland, and opportunistic.

P. Money-Weighted Rate of Return

For the years ended June 30, 2022 and 2021, the annual money-weighted rate of return, net of investment expense, was -7.67% and 35.54%, respectively. The money-weighted return expresses investment performance, net of investment expenses, adjusted for the changing amounts actually invested.

Note 7—Securities Lending Transactions

State statutes and Board of Trustees' policies permit the System to use the assets of the System to enter into securities lending transactions. The System loans its securities to broker-dealers and other entities for collateral with a simultaneous agreement to return the collateral for the same securities in the future. The System's domestic managers lend the System's securities for cash collateral of 100% or other securities collateral of 102%. The System's global managers lend the System's securities for cash collateral or other securities collateral of 105%. Securities lent for securities collateral are classified according to the category for the collateral. At year-end, the System has no credit risk exposure to borrowers because the amounts the System owes the borrowers exceed the amounts the borrowers owe the System.

All securities' loans can be terminated on demand by either the System or the borrower. The System cannot pledge or sell securities' collateral unless the borrower defaults. The reinvestment of cash collateral is done on an overnight basis or to term. In instances where a loan is for term, the reinvestment of the cash is matched to the maturity of the loan. Such matching existed at year-end. When investing in repurchase agreements, the collateral received will be a minimum of 102% of the cash invested. Collateral reported in the Statements of Fiduciary Net Position is investments purchased with cash collateral.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 7—Securities Lending Transactions (Continued)

The following table presents the fair values of securities on loan and the collateral held by the System at June 30, 2022 and 2021:

<u>Security Type</u>	<u>Fair Value of Securities on Loan 2022</u>	<u>Fair Value of Collateral Held 2022</u>	<u>Fair Value of Securities on Loan 2021</u>	<u>Fair Value of Collateral Held 2021</u>
U.S. government & agency	\$ 344,272,322	\$ 351,401,266	\$ 330,906,167	\$ 337,739,547
U.S. fixed income	159,574,286	163,901,990	229,801,989	235,781,492
U.S. equity	952,634,534	980,439,913	1,134,251,997	1,170,342,053
International fixed income	121,250,178	134,120,155	23,687,736	24,763,147
International equity	576,651,132	619,547,825	226,905,652	243,714,419
Total	<u>\$ 2,154,382,452</u>	<u>\$ 2,249,411,149</u>	<u>\$ 1,945,553,541</u>	<u>\$ 2,012,340,658</u>

Securities on loan at June 30, 2022 and 2021 are collateralized by cash collateral in the amount of \$2,249,411,149 and \$2,012,340,658, and noncash collateral in the amount of \$362,207,091 and \$985,306,372, for total amount of collateral held in the amount of \$2,611,618,240 and \$2,997,647,030, respectively.

Note 8—Derivatives

TRSL invests in asset/liability derivatives such as interest-only strips, principal-only strips, collateralized mortgage obligations (forms of mortgage-backed securities), options on futures, forward foreign exchange contracts, futures, short sales, and written options. TRSL reviews fair values of all securities on a monthly basis, and prices are obtained from recognized pricing sources. Derivative securities are held in part to maximize yields and in part to hedge against a rise in interest rates. TRSL was invested in a futures-based overlay program, foreign exchange contracts, and short sales, and written options at June 30, 2022 and 2021, which allows TRSL to implement policy target allocation adjustments in an efficient, liquid, and cost-effective manner. Interest rate risk, credit rate risk, and foreign currency risk associated with derivatives are included on their respective tables in Note 5, Deposits and Investment Risk Disclosures.

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Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 8—Derivatives (Continued)

The fair value balances and notional amounts of derivative instruments outstanding at June 30, 2022 classified by type, and the changes in fair value of such derivative instruments for the years then ended as reported in the financial statements are as follows:

	<u>Changes in Fair Value</u>		<u>Fair Value</u>		<u>Notional</u>
	<u>Classification</u>	<u>Amount</u>	<u>Classification</u>	<u>Amount</u>	<u>Amount</u>
Investment derivatives:					
Futures based overlay program	Net app/(depr)	\$ (379,004)	Investments payable	\$ (533,341)	\$ 46,122,528
Foreign exchange contracts	Net app/(depr)	\$ (12,115,635)	Global equities securities	\$ (21,292,246)	\$ 1,433,001,129
Short positions	Net app/(depr)	\$ (1,569,805)	Investments payable	\$ (153,677,288)	n/a
Short positions	Net app/(depr)	\$ (1,088,943)	Global equities securities	\$ 4,456,963	n/a
Short positions	Net app/(depr)	\$ (98,257,424)	Global debt securities	\$ 151,490,858	n/a
Short positions	Net app/(depr)	\$ (491,982)	Short-term investments	\$ 60,536	n/a

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Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 8—Derivatives (Continued)

The fair value balances and notional amounts of derivative instruments outstanding at June 30, 2021 classified by type, and the changes in fair value of such derivative instruments for the years then ended as reported in the financial statements are as follows:

	<u>Changes in Fair Value</u>		<u>Fair Value</u>		<u>Notional Amount</u>
	<u>Classification</u>	<u>Amount</u>	<u>Classification</u>	<u>Amount</u>	
Investment derivatives:					
Futures based overlay program	Net app/(depr)	\$ (4,280,327)	Investments payable	\$ (154,337)	\$ 199,005,799
Foreign exchange contracts	Net app/(depr)	\$ (16,015,489)	Global equities securities	\$ (9,176,611)	\$ 1,357,457,487
Short positions	Net app/(depr)	\$ 126,253,443	Investments payable	\$ (152,107,483)	n/a
Short positions	Net app/(depr)	\$ (1,374,422)	Global equities securities	\$ 5,545,907	n/a
Short positions	Net app/(depr)	\$ (267,349,862)	Global debt securities	\$ 249,748,281	n/a
Short positions	Net app/(depr)	\$ 136,469	Short-term investments	\$ 552,518	n/a

Derivatives, such as futures, options, and swaps, may be used for the following purposes: (1) to adjust dollar-weighted duration and term structure of the portfolio; (2) to protect against the downside on credit defaults; (3) to dampen volatility; (4) to create synthetic exposures not otherwise prohibited by investment policy guidelines; and (5) to take advantage of periodic pricing anomalies.

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Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 8—Derivatives (Continued)

TRSL was invested in the following derivatives throughout the year:

A. Interest-Only Strips and Principal-Only Strips

Interest-only (IO) and principal-only (PO) strips are transactions that involve the separation of the interest and principal components of a security. Interest-only strips are based on cash flows from interest payments on underlying mortgages. Therefore, they are sensitive to prepayments of mortgages, which may result from a decline in interest rates. For example, if interest rates decline and homeowners refinance mortgages, thereby prepaying the mortgages underlying these securities, the cash flows from interest payments are reduced, and the value of these securities declines. Likewise, if homeowners pay on mortgages longer than anticipated, the cash flows are greater, and the return on the initial investment would be higher than anticipated.

Principal-only strips receive principal cash flows from the underlying mortgages. In periods of rising interest rates, homeowners tend to make fewer mortgage prepayments. If actual prepayment rates are lower than anticipated, the time remaining until the return of principal is increased. The later principal is paid, the lower the present value of the security. Conversely, higher prepayment rates return principal faster causing the PO to appreciate in fair value.

B. Collateralized Mortgage Obligations

Collateralized mortgage obligations (CMOs) are bonds that are collateralized by mortgages, mortgage pass-through securities, or stripped mortgage-backed securities. Income is derived from payments and prepayments of principal and interest generated from collateral mortgages. Cash flows are distributed to different investment classes or tranches in accordance with that CMO's established payment order. Some CMO tranches have more stable cash flows relative to changes in interest rates than others that can be significantly sensitive to interest rate fluctuations. In a declining interest rate environment, some CMOs may be subject to a reduction in interest payments as a result of prepayments of mortgages which make up the collateral pool. Reduction in interest payments causes a decline in cash flows and, thus, a decline in fair value of the CMO security. Rising interest rates may cause an increase in interest payments, thus an increase in the value of the security.

C. Option on Futures

This is an option contract, the exercise of which results in the holder and writer of the option exchanging futures position. The buyer of a call or put option has unlimited profit potential with the risk limited to the premium paid for the option. The option seller accepts potentially unlimited risk in return for the option premium received. The option seller or buyer can terminate such exposure in a closing transaction. A position is offset by completing the opposite transaction with the same option. The option contracts may also be repurchased or closed by the System, at which time the asset or liability is removed, a realized gain or loss is recognized, and cash is paid on the amount repurchased or received on closing a contract.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 8—Derivatives (Continued)

D. Forward Foreign Exchange Contracts

A currency forward is a contractual agreement between two parties to pay or receive specific amounts of foreign currency at a future date in exchange for another currency at an agreed upon exchange rate. Forward commitments are not standardized and carry counterparty risk. Forwards are usually transacted over the counter. These transactions are entered into in order to hedge risks from exposure to foreign currency rate fluctuation. They are entered into with the foreign exchange department of a bank located in a major money market. Recognition of realized gain or loss depends on whether the currency exchange rate has moved favorably or unfavorably to the contract holder upon termination of the contract. Prior to termination of the contract, the System records the unrealized translation gain or loss.

E. Futures

A futures contract is an agreement for delayed delivery of securities, currency, commodities, or money market instruments in which the seller agrees to make delivery at a specified future date of a specified instrument, at a specific price or yield. Upon entering into a futures contract, the System is required to pledge to the broker an amount of cash equal to a certain percentage of the contract amount. The amount is known as the "initial margin." Subsequent payments, known as "variation margin," are made by the System each day, depending on the daily fluctuations in the value of the underlying security. Such variation margin is recorded as a realized gain or loss for financial statement purposes.

F. Short Sales and Written Options

A short sale is the sale of a security or commodity futures contract that is not owned by the seller. It is a technique used to take advantage of an anticipated decline in the price or to protect a profit in a long position. In general, options are a right to buy or sell property that are granted in exchange for an agreed upon sum. If the right is not exercised after a specified period, the option expires and the option buyer forfeits the money.

Note 9—Contingent Liabilities

The System is a litigant in several lawsuits. System management, on the advice of legal counsel, believes that such proceedings and contingencies will not have a material effect on the System.

Note 10—Other Post-Employment Benefits

Substantially all employees become eligible for post-employment health care and life insurance benefits if they reach normal retirement age while working for the System. These benefits for retirees and similar benefits for active employees are provided through a self-insured/self-funded plan. At June 30, 2022 and 2021, 85 and 87 retirees, respectively, were receiving post-employment benefits.

A. Plan Description

Employees may participate in the State of Louisiana's Other Post-Employment Benefit Plan (OPEB Plan), a multiple-employer defined benefit OPEB Plan that provides medical and life insurance to eligible active employees, retirees, and their beneficiaries. The State administers the plan through the Office of Group Benefits (OGB). LRS 42:801-883 assigns the authority to establish and amend benefit provisions of the plan. No assets are accumulated in a trust that meets the criteria in paragraph 4 of GASB) Statement No. 75 to pay related benefits.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 10—Other Post-Employment Benefits (Continued)

B. Benefits Provided

The OPEB Plan provides benefits such as: death benefits, life insurance, disability, and long-term care that are paid in the period after employment and that are provided separately from a pension plan, as well as healthcare benefits paid in the period after employment. The OPEB plan does not provide termination benefits or termination payments for sick leave.

C. Contributions

The contribution requirements of plan members and the System are established and may be amended by LRS 42:801-883. The OPEB Plan is currently funded on a pay-as-you-go basis through a combination of retiree and System contributions. Employees do not contribute to their post-employment benefits cost until they become retirees and begin receiving post-employment benefits. The retirees contribute to the cost of their post-employment benefits based on a service schedule. Contribution amounts vary depending on what healthcare provider is selected from the plan and if the member has Medicare coverage. Contributions to the OPEB Plan from the System were \$767,660 and \$744,961 for the years ended June 30, 2022 and 2021, respectively.

Employer contributions are based on plan premiums and the employer contribution percentage. This percentage is based on the date of participation in an OGB plan (before or after January 1, 2002) and employee years of service at retirement. Employees who began participation or rejoined 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 is based on the following schedule:

<u>OGB Participation</u>	<u>Retiree Share</u>	<u>Employer Share</u>
Under 10 years	81%	19%
10-14 years	62%	38%
15-19 years	44%	56%
20+ years	25%	75%

In addition to healthcare benefits, retirees may elect to receive life insurance benefits. Basic and supplemental life insurance is available for the individual retiree and spouses of retirees, subject to maximum values. The retiree pays \$0.54 monthly for each \$1,000 of life insurance. The retiree pays \$0.98 monthly for each \$1,000 of spouse life insurance. The employer pays the remaining amount.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 10—Other Post-Employment Benefits (Continued)

D. OPEB Liabilities, OPEB Expense, and Deferred Outflows of Resources and Deferred Inflow of Resources Related to OPEB

At June 30, 2022 and 2021, the System reported a liability of \$30,054,023 and \$26,231,642, respectively, for its proportionate share of the net OPEB liability. The net OPEB liability was measured as of July 1, 2021 and July 1, 2020, and the total OPEB liability used to calculate the net OPEB liability was determined by an actuarial valuation as of those dates. The System's proportion of the net OPEB liability was based on a projection of the System's long-term share of contributions to the OPEB plan relative to the projected contributions of all participating employers, actuarially determined. As of July 1, 2021, the System's proportion was 0.3282%. As of July 1, 2020, the System's proportion was 0.3166%. For the year ended June 30, 2022, the System recognized an OPEB expense of \$632,234. For the year ended June 30, 2021, the System recognized an OPEB benefit of (\$385,301).

As of June 30, 2022 and 2021, the System reported deferred outflows of resources and deferred inflows of resources related to OPEB from the following sources:

<u>June 30, 2022</u>	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>
Difference between expected and actual experience	\$ 603,634	\$ 17,446
Changes in assumptions	2,208,076	1,343,535
Changes in proportion and differences between employer contributions and proportionate share of contributions	1,405,391	403,176
Employer contributions subsequent to the measurement date	<u>767,660</u>	<u>-</u>
Total	<u>\$ 4,984,761</u>	<u>\$ 1,764,157</u>
<u>June 30, 2021</u>	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>
Difference between expected and actual experience	\$ 603,290	\$ 50,489
Changes in assumptions	685,818	2,510,172
Changes in proportion and differences between employer contributions and proportionate share of contributions	963,672	406,623
Employer contributions subsequent to the measurement date	<u>744,961</u>	<u>-</u>
Total	<u>\$ 2,997,741</u>	<u>\$ 2,967,284</u>

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 10—Other Post-Employment Benefits (Continued)

D. OPEB Liabilities, OPEB Expense, and Deferred Outflows of Resources and Deferred Inflow of Resources Related to OPEB (Continued)

Deferred outflows of resources related to OPEB resulting from employer contributions subsequent to the measurement date of \$767,660 will be recognized as a reduction of the net OPEB liability in the year ended June 30, 2023. Other amounts reported as deferred inflows of resources related to OPEB will be recognized in OPEB expense for the year ending June 30 as follows:

2023	\$	1,082,583
2024		815,874
2025		966,224
2026		355,923
Total	\$	3,220,604

E. Actuarial Assumptions

The total OPEB liability in the July 1, 2021 and July 1, 2020 actuarial valuations was determined using the following actuarial assumptions, applied to all periods included in the measurement:

Valuation date	July 1, 2021 and 2020
Salary Increases	Consistent with the pension valuation assumptions
Investment Rate of Return	2.18% and 2.66%, based on the June 30, 2021 and June 30, 2020 S&P 20-year municipal bond index rates, respectively
Healthcare Cost Trend Rate	For July 1, 2021: Pre-age 65 ranges from 6.50% - 4.50% Post-age 65 ranges from 5.00% - 4.50% For July 1, 2020: Pre-age 65 ranges from 6.75% - 4.50% Post-age 65 ranges from 5.25% - 4.50%
Mortality Rates	For July 1, 2021 and 2020: For active lives, the RP-2014 White Collar Employee Table, adjusted by 1.010 for males and by 0.997 for females, projected from 2014 on a fully generational basis by Mortality Improvement Scale MP-2017. For healthy retiree lives, the RP-2014 White Collar Healthy Annuitant Table, adjusted by 1.366 for males and by 1.189 for females, projected from 2014 on a fully generational basis by Mortality Improvement Scale MP-2017. For disabled retiree lives, the RP-2014 Disabled Retiree Mortality Table, adjusted by 1.111 for males and 1.134 for females, projected from 2014 on a fully generational basis by Mortality Improvement Scale MP-2017.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 10—Other Post-Employment Benefits (Continued)

E. Actuarial Assumptions (Continued)

The actuarial assumptions used in the July 1, 2021 valuation were based on the assumptions used in the June 30, 2021 various pension valuations for the mortality, retirement, termination, disability, and salary scale assumptions.

The actuarial assumptions used in the July 1, 2020 valuation were based on the assumptions used in the June 30, 2020 various pension valuations for the mortality, retirement, termination, disability, and salary scale assumptions.

F. Discount Rate

The discount rate used to measure the total OPEB liability was 2.18% and 2.66% for the years ended June 30, 2022 and 2021, respectively. The projection of cash flows used to determine the discount rate assumed that contributions from employers will be made at contractually required rates. Based on this assumption and as the OPEB plan is unfunded, the OPEB plan's fiduciary net position was not projected to be available to make all projected OPEB payments for current active and inactive employees. Therefore, the long-term expected rate of return on OPEB plan investments was determined using a discount rate that reflects the 20-year tax-exempt municipal bond yield or index rate.

G. Sensitivity of the System's Proportionate Share of the Collective Total OPEB Liability to Changes in the Discount Rate

The following presents the System's proportionate share of the collective total OPEB liability, as well as what the System's proportionate share of the collective total 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 discount rate:

	1.0% Decrease	Current Discount Rate	1.0% Increase
	<u>1.18%</u>	<u>2.18%</u>	<u>3.18%</u>
Proportionate Share of the Collective Total OPEB Liability June 30, 2022	<u>\$ 35,749,812</u>	<u>\$ 30,054,023</u>	<u>\$ 25,597,831</u>
	1.0% Decrease	Current Discount Rate	1.0% Increase
	<u>1.66%</u>	<u>2.66%</u>	<u>3.66%</u>
Proportionate Share of the Collective Total OPEB Liability June 30, 2021	<u>\$ 30,997,842</u>	<u>\$ 26,231,642</u>	<u>\$ 22,477,537</u>

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 10—Other Post-Employment Benefits (Continued)

H. Sensitivity of the System's Proportionate Share of the Collective Total OPEB Liability to Changes in the Healthcare Cost Trend Rates

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

	<u>1.0% Decrease</u>	<u>Current Trend Rate</u>	<u>1.0% Increase</u>
Proportionate Share of the Collective Total OPEB Liability June 30, 2022	<u>\$ 25,412,283</u>	<u>\$ 30,054,023</u>	<u>\$ 36,078,970</u>
	<u>1.0% Decrease</u>	<u>Current Trend Rate</u>	<u>1.0% Increase</u>
Proportionate Share of the Collective Total OPEB Liability June 30, 2021	<u>\$ 22,333,379</u>	<u>\$ 26,231,642</u>	<u>\$ 31,250,629</u>

I. Payables to the OPEB Plan

As of June 30, 2022 and 2021, the System reported a payable of \$0 for the outstanding amount of contributions to the OPEB plan required for the years ended June 30, 2022 and 2021.

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Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 11—Defined Benefit Pension Plan

A. Plan Description

All full-time TRSL employees who do not participate in TRSL participate in the Louisiana State Employees' Retirement System (LASERS). LASERS is a cost-sharing, multiple-employer defined benefit plan administered by the Louisiana State Employees' Retirement System. 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 provides retirement, deferred retirement option (DROP), disability, and survivor's benefits. The following is a brief description of the plan and its benefits. Participants should refer to the appropriate statutes for more complete information.

B. Retirement Benefits

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. The substantial majority of members may retire with full benefits at any age upon completing 30 years of creditable service and at age 60 upon completing 10 years of creditable service. Additionally, members may choose to retire with 20 years of service at any age, with an actuarially reduced benefit. 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.

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 lesser 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 benefits under any one of six different options providing for reduced retirement benefits payable 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 5 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 12 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 3.3% 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.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 11—Defined Benefit Pension Plan (Continued)

B. Retirement Benefits (Continued)

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 credible service. Average compensation will be based on the member's average annual earned compensation for the 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.

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 but generally is 10 years of service.

C. 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 0.5% less than LASERS'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's 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.

D. Initial Benefit Options

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 0.5% less than LASERS'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.

E. Disability Benefits

All members with 10 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 retirement recipient may receive a regular retirement benefit by making application to the Board of Trustees.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 11—Defined Benefit Pension Plan (Continued)

E. Disability Benefits (Continued)

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.

F. Survivor's Benefits

Certain eligible surviving dependents receive benefits based on the deceased member's compensation and their relationship to the deceased. The deceased member 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 20 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 10 years for a surviving spouse with no minor children, and benefits are to be paid for life to the spouse or qualified handicapped child.

G. Contributions

Contribution requirements of active employees are governed by La. R.S. 11:401 and may be amended by the Louisiana Legislature. Members are required by state statute to contribute 7.5% of their annual covered salaries if hired before July 1, 2006 and 8.0% of their annual covered salaries if hired after July 1, 2006. The System is required to make employer contributions based on an actuarially determined rate. The employer contribution rate for the fiscal years ended June 30, 2022 and 2021 was 39.50% and 40.10% of annual covered payroll, respectively. The System's contribution to LASERS for the fiscal years ended June 30, 2022 and 2021 was \$1,896,620 and \$1,791,706, respectively.

H. Significant Accounting Policies

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 LASERS and changes in LASERS's 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.

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

As of June 30, 2022 and 2021, the System reported a liability of \$12,010,721 and \$17,966,785, respectively, for its proportionate share of LASERS's net pension liability. The net pension liability was measured as of June 30, 2021 and June 30, 2020, and the total pension liability used to calculate the net pension liability was determined by an actuarial valuation as of these dates. 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. As of June 30, 2022, the System's proportion was 0.21822%, which is an increase of 0.00099% from its proportion measured as of June 30, 2021, which was 0.21724%.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 11—Defined Benefit Pension Plan (Continued)

I. Pension Liabilities, Pension Expense, Deferred Outflows of Resources, and Deferred Inflows of Resources Related to Pensions (Continued)

For the fiscal years ended June 30, 2022 and 2021, the System recognized pension expense in the amount of \$758,208 and \$1,870,195, respectively. At June 30, 2022 and 2021, the System reported deferred outflows of resources and deferred inflows of resources related to pensions from the following sources:

<u>June 30, 2022</u>	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>
Differences between expected and actual experience	\$ 11,862	\$ -
Net difference between projected and actual earnings on pension plan investments	-	2,800,945
Changes in proportion and differences between employer contributions and proportionate share of contributions	46,770	35,476
Changes in assumptions	294,191	-
Employer contributions subsequent to the measurement date	1,896,620	-
	<u>\$ 2,249,443</u>	<u>\$ 2,836,421</u>
<u>June 30, 2021</u>	<u>Deferred Outflows of Resources</u>	<u>Deferred Inflows of Resources</u>
Differences between expected and actual experience	\$ -	\$ 172,546
Net difference between projected and actual earnings on pension plan investments	2,626,400	-
Changes in proportion and differences between employer contributions and proportionate share of contributions	2,459	74,833
Changes in assumptions	57,488	-
Employer contributions subsequent to the measurement date	1,791,706	-
	<u>\$ 4,478,053</u>	<u>\$ 247,379</u>

Deferred outflows of sources related to pensions resulting from employer contributions subsequent to the measurement date of \$1,896,620, will be recognized as a reduction of the net pension liability in the year ended June 30, 2023. Other amounts reported as deferred outflows of resources and deferred inflows of resources related to pensions will be recognized in pension expense (benefit) as follows:

2023	\$ 1,727,891
2024	(431,610)
2025	(636,349)
2026	(1,246,910)
	<u>\$ (586,978)</u>

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 11—Defined Benefit Pension Plan (Continued)

J. Actuarial Assumptions

The total pension liability in the June 30, 2021 and June 30, 2020 actuarial valuations was determined using the following actuarial assumptions and applied to all periods included in the measurement. The significant methods and assumptions used in calculating the actuarially determined contributions are as follows:

Valuation date	June 30, 2021 and 2020
Actuarial cost method	Entry age normal
Amortization approach	Closed
Expected remaining service lives	2 years
Investment rate of return	7.40% and 7.55% net of investment expenses, respectively
Inflation rate	2.3%
Projected salary increases service	2.6%-13.8% (varies depending on duration of service)
Cost-of-living adjustments	None, since they are not deemed to be automatic
Mortality	<p><i>Non-disabled members</i> - Mortality rates were based on the RP-2014 Healthy Mortality Table with mortality improvement projected using the MP-2018 Mortality Improvement Scale, applied on a fully generational basis.</p> <p><i>Disabled members</i> - Mortality rates based on the RP-2000 Disabled Retiree Mortality Table, with no projection for mortality improvement.</p>
Termination and disability	Termination, disability, and retirement assumptions were projected based on a five-year (2014-2018) experience study of the System's members.

The actuarial assumptions used in the June 30, 2021 and 2020 valuations were based on the results of an actuarial experience study for the period July 1, 2014 and ending June 30, 2018.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 11—Defined Benefit Pension Plan (Continued)

J. Actuarial Assumptions (Continued)

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 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 expected inflation and an adjustment for the effect of rebalancing/diversification. The expected rate of inflation was 2.30% for 2021 and 2020. The resulting expected long-term rates of return are 7.61% for 2021 and 8.25% for 2020.

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, 2021 and June 30, 2020 are summarized in the following tables:

<u>Asset Class</u>	<u>2021 Target Allocations</u>	<u>2021 Long-Term Expected Real Rate of Return</u>
Cash	0%	-0.29%
Domestic equity	31%	4.09%
International equity	23%	5.12%
Domestic fixed income	3%	0.49%
International fixed income	14%	3.94%
Alternatives investments	24%	6.93%
Risk parity	5%	5.81%

<u>Asset Class</u>	<u>2020 Target Allocations</u>	<u>2020 Long-Term Expected Real Rate of Return</u>
Cash	0%	-0.59%
Domestic equity	23%	4.79%
International equity	32%	5.83%
Domestic fixed income	6%	1.76%
International fixed income	10%	3.98%
Alternatives investments	22%	6.69%
Risk parity	7%	5.81%

The discount rate used to measure the total pension liability at June 30, 2021 and 2020 was 7.40% and 7.55%, respectively. The projection of cash flows used to determine the discount rate assumed that employee contributions will be made at the current contribution rate and that employer contributions from participating employers will be made at contractually required rates, actuarially determined. 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 active and inactive 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.

Teachers' Retirement System of Louisiana
Notes to Financial Statements
June 30, 2022 and 2021

Note 11—Defined Benefit Pension Plan (Continued)

K. Sensitivity of the System'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, as well as what the employer'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% Decrease <u>6.40%</u>	Current Discount Rate <u>7.40%</u>	1% Increase <u>8.40%</u>
Net Pension Liability June 30, 2022	<u>\$ 16,273,620</u>	<u>\$ 12,010,721</u>	<u>\$ 8,383,531</u>
	1% Decrease <u>6.55%</u>	Current Discount Rate <u>7.55%</u>	1% Increase <u>8.55%</u>
Net Pension Liability June 30, 2021	<u>\$ 22,078,384</u>	<u>\$ 17,966,785</u>	<u>\$ 14,477,641</u>

L. Pension Plan Fiduciary Net Position

Detailed information about the pension plan's fiduciary net position is available in the separately issued LASERS 2021 Comprehensive Annual Financial Report at www.lasersonline.org.

M. Payables to the Pension Plan

As of June 30, 2022 and 2021, TRSL reported a payable of \$150,278 and \$121,603, respectively, for the outstanding amount of contributions to LASERS.

Note 12—Pronouncement Effective for the 2022 Financial Statements

In June 2017, the GASB issued Statement No. 87, *Leases*, effective for fiscal years beginning after December 15, 2019. In May 2020, the GASB issued Statement No. 95 which changed the effective date for Statement No. 87 to fiscal years beginning after June 15, 2021. The objective of the Statement is to better meet the information needs of financial statement users by improving accounting and financial reporting for leases by governments. The study of TRSL's leases proved to be immaterial; therefore, the implementation of this standard did not require any changes to the System's financial reporting.

Note 13—Subsequent Events

Management has performed an analysis of the activities and transactions subsequent to June 30, 2022 to determine the need for any adjustments to and for disclosures within the financial statements for the year ended June 30, 2022. Management has performed this analysis through September 28, 2022, which is the date the financial statements were available to be issued.

Required Supplementary Information

Teachers' Retirement System of Louisiana
Schedules of Changes in Employers' Net Pension Liability
***For the Nine Years Ended June 30, 2022**

	<u>2022</u>	<u>2021</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>
Total Pension Liability									
Service cost	\$ 482,490,694	\$ 468,547,375	\$ 454,344,240	\$ 439,691,899	\$ 473,025,011	\$ 466,591,480	\$ 463,783,246	\$ 459,658,120	\$ 462,730,192
Interest	2,394,974,360	2,358,286,993	2,333,436,352	2,310,654,625	2,244,768,414	2,222,960,660	2,176,626,375	2,137,096,756	2,086,494,384
Changes of benefit terms	353,117,800	6,937,251	-	-	-	-	216,473,124	-	200,806,602
Differences between expected and actual experience	159,411,123	34,084,245	(2,565,994)	(132,534,910)	(130,859,239)	(223,202,835)	(181,620,615)	(62,489,198)	(122,326,978)
Changes of assumptions	498,139,277	159,214,885	225,604,318	298,384,629	688,003,495	135,132,845	-	-	-
Retirement benefits	(2,303,868,400)	(2,256,015,333)	(2,193,873,471)	(2,163,684,514)	(2,116,953,537)	(2,061,454,295)	(1,999,272,395)	(1,955,102,582)	(1,877,113,903)
Refunds and transfers of member contributions	(49,729,953)	(53,095,624)	(50,225,236)	(50,301,709)	(48,671,220)	(49,805,920)	(49,884,654)	(52,402,762)	(58,777,337)
Net change in total pension liability	1,534,534,901	717,959,792	766,720,209	702,210,020	1,109,312,924	490,221,935	626,105,081	526,760,334	691,812,960
Total Pension Liability - beginning	33,058,826,858	32,340,867,066	31,574,146,857	30,871,936,837	29,762,623,913	29,272,401,978	28,646,296,897	28,119,536,563	27,427,723,603
Total Pension Liability - ending (a)	\$ 34,593,361,759	\$ 33,058,826,858	\$ 32,340,867,066	\$ 31,574,146,857	\$ 30,871,936,837	\$ 29,762,623,913	\$ 29,272,401,978	\$ 28,646,296,897	\$ 28,119,536,563
Plan Fiduciary Net Position									
Employer contributions ¹	\$ 1,266,088,182	\$ 1,239,712,158	\$ 1,222,809,468	\$ 1,217,167,321	\$ 1,201,829,353	\$ 1,122,277,562	\$ 1,157,901,123	\$ 1,217,466,676	\$ 1,176,569,685
Non-employer contributions	45,234,317	43,151,074	43,151,074	40,850,075	39,550,321	38,762,968	38,193,328	37,425,629	35,927,881
Employee contributions	378,065,213	361,684,671	351,287,976	341,398,896	337,928,752	328,541,240	330,773,316	324,920,644	326,007,091
Net investment income (loss) ¹	(2,043,179,975)	7,163,605,200	170,755,803	1,208,949,546	2,137,541,062	2,612,231,923	177,422,752	443,034,317	2,815,090,995
Other income	49,860,339	19,804,296	39,770,864	26,018,466	11,411,104	2,972,517	2,951,433	13,866,589	7,880,853
Retirement benefits ¹	(2,303,868,400)	(2,256,015,333)	(2,193,873,471)	(2,163,684,514)	(2,116,953,537)	(2,061,454,295)	(1,999,272,395)	(1,955,102,582)	(1,877,113,903)
Refunds and transfers of member contributions	(49,729,953)	(53,095,624)	(50,225,236)	(50,301,709)	(48,671,220)	(49,805,920)	(49,884,654)	(52,402,762)	(58,777,337)
Administrative expense	(15,312,628)	(16,002,619)	(15,994,167)	(13,445,962)	(15,431,788)	(17,175,965)	(16,306,240)	(18,023,794)	(15,026,969)
Other post-employment benefit expenses ²	(632,234)	385,301	540,170	(95,273)	(13,633,156)	(586,167)	24,005	(1,685,836)	(1,047,832)
Depreciation and amortization expenses	(494,877)	(470,446)	(422,685)	(1,277,138)	(400,766)	(432,238)	(407,105)	(384,426)	(322,881)
Adjusting entry ³	-	-	-	352	-	-	-	(13,197,268)	-
Net change in Plan Fiduciary Net Position	(2,673,970,016)	6,502,758,678	(432,200,204)	605,580,060	1,533,170,125	1,975,331,625	(358,604,437)	(4,082,813)	2,409,187,583
Plan Fiduciary Net Position - beginning	27,720,055,435	21,217,296,757	21,649,496,961	21,043,916,901	19,510,746,776	17,535,415,151	17,894,019,588	17,898,102,401	15,488,914,818
Plan Fiduciary Net Position - ending (b)	\$ 25,046,085,419	\$ 27,720,055,435	\$ 21,217,296,757	\$ 21,649,496,961	\$ 21,043,916,901	\$ 19,510,746,776	\$ 17,535,415,151	\$ 17,894,019,588	\$ 17,898,102,401
Net Pension Liability - ending (a) - (b)	\$ 9,547,276,340	\$ 5,338,771,423	\$ 11,123,570,309	\$ 9,924,649,896	\$ 9,828,019,936	\$ 10,251,877,137	\$ 11,736,986,827	\$ 10,752,277,309	\$ 10,221,434,162
Plan Fiduciary Net Position as a percentage of the Total Pension Liability	72.4%	83.9%	65.6%	68.6%	68.2%	65.6%	59.9%	62.5%	63.7%
Covered payroll	\$ 4,541,421,889	\$ 4,335,090,648	\$ 4,229,620,981	\$ 4,071,754,355	\$ 3,998,051,313	\$ 3,901,627,792	\$ 3,869,730,024	\$ 3,815,648,662	\$ 3,764,954,727
Net Pension Liability as a percentage of covered payroll	210.2%	123.2%	263.0%	243.7%	245.8%	262.8%	303.3%	281.8%	271.5%

¹ Amounts shown exclude side-fund assets, contributions, and benefits for the LSU Agriculture and Extension Service.

² The 2018 OPEB Expense includes a \$13,190,993 adjusting entry related to GASB 75 implementation.

³ Adjusting entry to correct variance from prior year beginning Fiduciary Net Position.

*Schedule is intended to report information for 10 years. Additional years will be displayed as they become available.

**Teachers' Retirement System of Louisiana
Schedules of Employers' Net Pension Liability
For the Ten Years Ended June 30, 2022**

Fiscal Year	Total Pension Liability	Plan Fiduciary Net Position*	Employers' Net Pension Liability	Plan Fiduciary Net Position as a Percentage of Total Pension Liability	Covered Payroll	Net Pension Liability as a Percentage of Covered Payroll
2022	\$ 34,593,361,759	\$ 25,046,085,419	\$ 9,547,276,340	72.4%	\$ 4,541,421,889	210.2%
2021	33,058,826,858	27,720,055,435	5,338,771,423	83.9%	4,335,090,648	123.2%
2020	32,340,867,066	21,217,296,757	11,123,570,309	65.6%	4,229,620,981	263.0%
2019	31,574,146,857	21,649,496,961	9,924,649,896	68.6%	4,071,754,355	243.7%
2018	30,871,936,837	21,043,916,901	9,828,019,936	68.2%	3,998,051,313	245.8%
2017	29,762,623,913	19,510,746,776	10,251,877,137	65.6%	3,901,627,792	262.8%
2016	29,272,401,978	17,535,415,151	11,736,986,827	59.9%	3,869,730,024	303.3%
2015	28,646,296,897	17,894,019,588	10,752,277,309	62.5%	3,815,648,662	281.8%
2014	28,119,536,563	17,898,102,401	10,221,434,162	63.7%	3,764,954,727	271.5%
2013	27,427,723,603	15,488,914,818	11,938,808,785	56.5%	3,726,325,750	320.4%

* Plan fiduciary net position excludes side-fund assets held for the LSU Agricultural and Extension Service.

**Teachers' Retirement System of Louisiana
Schedules of Employers' Contributions
For the Ten Years Ended June 30, 2022**

<u>Fiscal Year</u>	<u>Actuarial Determined Contribution</u>	<u>Contributions in Relation to Actuarial Determined Contribution</u>	<u>Contribution Deficiency (Excess)</u>	<u>Covered Payroll</u>	<u>Contributions as a % of Covered Payroll</u>
2022	\$ 1,213,461,726	\$ 1,357,609,195	\$ (144,147,469)	\$ 4,541,421,889	29.9%
2021	1,243,818,612	1,328,176,588	(84,357,976)	4,335,090,648	30.6%
2020	1,221,266,156	1,313,932,563	(92,666,407)	4,229,620,981	31.1%
2019	1,246,577,897	1,306,003,522	(59,425,625)	4,071,754,355	32.1%
2018	1,227,397,115	1,288,863,851	(61,466,736)	3,998,051,313	32.2%
2017	1,188,962,275	1,204,634,319	(15,672,044)	3,901,627,792	30.9%
2016	1,177,993,580	1,242,445,786	(64,452,206)	3,869,730,024	32.1%
2015	1,212,285,929	1,303,570,582	(91,284,653)	3,815,648,662	34.2%
2014	1,218,397,771	1,258,687,418	(40,289,647)	3,764,954,727	33.4%
2013	1,149,134,132	1,137,733,532	11,400,600	3,726,325,750	30.5%

**Teachers' Retirement System of Louisiana
Schedules of Money-Weighted Rate of Return
*For the Nine Years Ended June 30, 2022**

<u>Fiscal Year Ended</u>	<u>Annual Money-Weighted Rate of Return</u>
2022	-7.67%
2021	35.54%
2020	0.81%
2019	6.01%
2018	11.61%
2017	15.87%
2016	0.97%
2015	2.71%
2014	19.46%

*Schedule is intended to report information for 10 years. Additional years will be displayed as they become available.

Teachers' Retirement System of Louisiana
Schedules of TRSL's Proportionate Share of the Collective Total OPEB Liability
***For the Five Years Ended June 30, 2022**

Fiscal Year	Percentage of the Collective Total OPEB Liability	System's Proportionate Share of the Collective Total OPEB Liability	Employer's Covered Payroll	Proportionate Share of the Collective Total OPEB Liability as a % of Covered Payroll
2022	0.3282%	\$ 30,054,023	\$ 8,828,635	340.42%
2021	0.3166%	26,231,642	8,640,013	303.61%
2020	0.3052%	23,569,847	8,195,488	287.60%
2019	0.3060%	26,121,274	8,190,491	318.92%
2018	0.3003%	26,099,592	8,752,282	298.20%

Note: The amounts presented for each fiscal year were determined as of the prior fiscal year end.

*Schedule is intended to report information for 10 years. Additional years will be displayed as they become available.

Teachers' Retirement System of Louisiana
Schedules of TRSL's Proportionate Share of Net Pension Liability in LASERS
***For the Eight Years Ended June 30, 2022**

	<u>2022</u>	<u>2021</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>
TRSL's proportion of the net pension liability	0.21822%	0.21724%	0.21861%	0.21915%	0.23556%	0.23898%	0.23385%	0.23911%
TRSL's proportionate share of the net pension liability	\$ 12,010,721	\$ 17,966,785	\$ 15,838,322	\$ 14,946,007	\$ 16,580,526	\$ 18,765,871	\$ 15,905,194	\$ 14,951,289
TRSL's covered - payroll	4,612,297	4,556,300	4,348,469	4,469,727	4,391,837	4,493,154	4,476,486	4,243,320
TRSL's proportionate share of the net pension liability as a percentage of its covered payroll	260.41	394.33	364.23	334.38	377.53	417.65	355.31	352.35
Plan fiduciary net position as a percentage of the total pension liability	72.8%	58.0%	62.9%	64.3%	62.5%	57.7%	62.7%	65.0%

*Schedule is intended to report information for 10 years. Additional years will be displayed as they become available.

Teachers' Retirement System of Louisiana
Schedules of TRSL's Contributions to LASERS
***For the Eight Years Ended June 30, 2022**

	<u>2022</u>	<u>2021</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>
Statutorily required contribution	\$ 1,896,620	\$ 1,791,706	\$ 1,805,819	\$ 1,666,454	\$ 1,693,978	\$ 1,547,889	\$ 1,665,310	\$ 1,656,300
Contributions in relation to the statutorily required contribution	<u>1,896,620</u>	<u>1,791,706</u>	<u>1,805,819</u>	<u>1,666,454</u>	<u>1,693,978</u>	<u>1,547,889</u>	<u>1,665,310</u>	<u>1,660,791</u>
Contribution deficiency (excess)	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ (4,491)</u>
TRSL's covered - payroll	\$ 4,801,570	\$ 4,468,095	\$ 4,436,902	\$ 4,396,977	\$ 4,469,599	\$ 4,323,905	\$ 4,651,703	\$ 4,476,486
Contributions as a percentage of covered - payroll	39.50%	40.10%	40.70%	37.90%	37.90%	35.80%	35.80%	37.10%

*Schedule is intended to report information for 10 years. Additional years will be displayed as they become available.

Teachers' Retirement System of Louisiana
Notes to Required Supplementary Schedules
June 30, 2022

Note 1—Schedules of Changes in Employers' Net Pension Liability

The total pension liability contained in this schedule was provided by the System's actuary, Foster & Foster Consulting Actuaries, Inc. The net pension liability is measured as the total pension liability less the amount of the fiduciary net position of the System.

Note 2—Schedules of Employers' Net Pension Liability

The schedule of employers' net pension liability shows the percentage of TRSL employers' net pension liability as a percentage of covered payroll. The employers' net pension liability is the liability of contributing employers to members for benefits provided through TRSL. Covered payroll is compensation to active employees on which the employer bases contributions to the plan.

Note 3—Schedules of Employer Contributions

The difference between actuarially determined employer contributions and employer contributions received, and the percentage of employer contributions received to covered payroll is presented in this schedule.

Note 4—Schedules of Money-Weighted Rate of Return

The annual money-weighted rate of return is shown in this schedule. The money-weighted rate of return is calculated as the internal rate of return on pension plan investments, net of pension plan investment expense. This expresses investment performance adjusted for the changing amounts actually invested throughout the year, measured on daily inputs with expenses measured on an accrual basis.

Note 5—Actuarial Assumptions for TRSL's Net Pension Liability

Valuation date	June 30, 2022 and 2021
Actuarial cost method	Entry Age Normal
Amortization approach	Closed
Investment rate of return	7.25% for 2022 and 7.40% for 2021, net of investment expenses
Inflation rate	2.30%
Projected salary increases service	3.10% - 4.60% (varies depending on duration of service)
Cost-of-living adjustments	None
Mortality	Active members – RP-2014 White Collar Employee tables, adjusted by 1.010 for males and by 0.997 for females. Non-disabled retiree/inactive members - RP-2014 White Collar Healthy Annuitant tables, adjusted by 1.366 for males and by 1.189 for females. Disability retiree mortality - RP-2014 Disability tables, adjusted by factors of 1.111 for males and by 1.134 for females. These base tables are adjusted from 2014 to 2018 using the MP-2017 generational improvement table, with continued future mortality improvement projected using the MP-2017 generational mortality improvement tables.

Teachers' Retirement System of Louisiana
Notes to Required Supplementary Schedules
June 30, 2022

Note 5—Actuarial Assumptions for TRSL's Net Pension Liability (Continued)

Termination and disability

Termination, disability, and retirement assumptions were projected based on a five-year (July 1, 2012-June 30, 2017) experience study of the System's members.

Note 6—Schedules of TRSL's Proportionate Share of the Collective Total OPEB Liability

This schedule shows the System's proportionate share of the collective total OPEB liability allocated to its current employees and retirees participating in the State of Louisiana Postemployment Benefit Plan as of June 30, 2022. No assets are accumulated in a trust that meets the criteria in paragraph 4 of GASB Statement No. 75. There were no changes of benefit terms for the OPEB Plan during any of the years presented. The discount rate decreased to 2.18% in the July 1, 2021 valuation from 2.66% as of July 1, 2020.

Note 7—Schedule of TRSL's Proportionate Share of the Net Pension Liability in LASERS

This schedule reflects the participation of TRSL employees in LASERS and its proportionate share of the net pension liability, the proportionate share of the net pension liability as a percentage of its covered payroll, and the plan fiduciary net position as a percentage of the total pension liability.

Note 8—Schedule of TRSL's Contributions to LASERS

This schedule represents the employer contributions subsequent to the measurement date and recognized as a reduction of the net pension liability in future years.

Note 9—Changes in Benefit Terms

Pension Plan

There were no changes in benefit terms for the Pension Plan.

OPEB Plan

There were no changes in benefit terms for the State of Louisiana OPEB Plan.

Note 10—Changes in Assumptions

Pension Plan

Amounts reported in the actuary valuation dated June 30, 2021 for LASERS reflect an adjustment in the discount rate, inflation rate, and salary increases used to value the projected benefit payments attributed to past periods of service. The discount rate for LASERS was decreased by 0.15% to 7.40% in 2021.

OPEB Plan

The discount rate changed from 2.66% as of July 1, 2020 to 2.18% as of July 1, 2021, for the State of Louisiana OPEB Plan.

Supporting Schedules

**Teachers' Retirement System of Louisiana
Schedules of Administrative Expenses
Years Ended June 30, 2022 and 2021**

	2022	2021
Administrative Expenses		
Salaries and related benefits *	\$ 11,573,656	\$ 11,460,452
Travel expenses	27,422	13,746
Operating expenses	2,143,175	1,917,014
Professional services	660,422	599,190
Other charges & interagency transfers	81,429	73,309
Acquisitions	68,316	68,713
 Total administrative expenses	 \$ 14,554,420	 \$ 14,132,424

* Employer contributions to Louisiana State Employees' Retirement System (LASERS) in the amount of \$1,896,620 and \$1,791,707 for the years ended June 30, 2022 and 2021, respectively, have been reclassified from Salaries and related benefits to Deferred outflows of resources related to pensions in accordance with GASB 68. This reclassification for financial reporting may result in a difference between the Salaries and related benefits expense reported on this schedule and the Salaries and related benefits expense budgeted for the years ended June 30, 2022 and 2021. See Note 11 in the Notes to Financial Statements for additional information regarding the employer contributions to LASERS.

**Teachers' Retirement System of Louisiana
Schedules of Investment Expenses
Years Ended June 30, 2022 and 2021**

	2022	2021
Investment Expenses		
International investment expenses	\$ 4,347,499	\$ 4,309,805
Alternative investment expenses*	88,561,517	86,220,351
Investment administrative expenses**	1,895,270	1,781,554
Custodian fees	402,324	389,464
Performance consultant fees	1,090,041	1,065,319
Advisor fees	42,390,847	38,755,431
Total investment expenses***	\$ 138,687,498	\$ 132,521,924

*Investment fees and expenses of alternative funds are rebated to TRSL by the general partner as gains are realized. These rebates are accounted for as return of capital.

**GASB 67 requires the separate display of investment administrative expenses and is no longer included in general administrative expenses.

***Total investment expenses do not include management fees paid through a reduction of the net asset value of the investment. For 2022 and 2021, the fees totaled \$17,054,386 and \$15,831,561, respectively.

**Teachers' Retirement System of Louisiana
Schedules of Securities Lending Expenses
Years Ended June 30, 2022 and 2021**

	2022	2021
Securities Lending Expenses*		
Fixed	\$ 1,074,344	\$ 511,364
Equity	600,511	717,695
International	309,248	268,664
Total securities lending expenses	\$ 1,984,103	\$ 1,497,723

*Amounts are netted with securities lending income on the statements of changes in fiduciary net position. Net securities lending income for 2022 and 2021 was \$6,127,752 and \$6,991,753, respectively.

**Teachers' Retirement System of Louisiana
Schedules of Board Compensation
Years Ended June 30, 2022 and 2021**

<u>Board of Trustees</u>	<u>2022</u>		<u>2021</u>	
	Number of Meetings	Amount	Number of Meetings	Amount
Jerry J. Baudin, Ph.D.	7	\$ 525	11	\$ 825
Suzanne Breaux	10	750	-	-
Lotte T. Delaney, M.P.A.	8	-	5	-
Holly Bridges Gildig, M.Ed.	11	825	10	750
Clyde F. Hamner	6	450	-	-
David A. Hennigan	12	900	12	900
Ricky Julien, Sr., M.Ed.	7	525	7	525
Tia T. Mills, Ed.D	8	600	11	825
Paul E. Nelson, Ph.D.	10	-	11	-
Neshelle S. Nogess, M.B.A.	10	750	12	900
Summer Purvis	5	375	-	-
Suzette S. Riddle	-	-	4	300
Thomas F. Stafford, Ph.D.	13	975	9	675
James A. Taylor, Sr., J.D., Ph.D.	13	975	12	900
Kelly Thompson	-	-	-	-
Total compensation		<u>\$ 7,650</u>		<u>\$ 6,600</u>

Teachers' Retirement System of Louisiana
Schedules of Payments to Non-Investment Related Consultants and Vendors
Years Ended June 30, 2022 and 2021

	2022	2021
Actuary	\$ 185,000	\$ 185,000
Foster & Foster Actuaries & Consultants		
Auditor/Accountant	92,060	89,960
Louisiana Legislative Auditor/ Hawthorn, Waymouth & Carroll, L.L.P. Postlethwaite & Netterville		
Information Technology and Other Vendors	267,400	193,185
Bowen ECM Solutions Communications Consulting Group DAS Delphia Consulting, L.L.C. Election America Grand Construction Knob4 Professional Training Lexis Nexis Modiphy, Inc. National Association for Public Health Statistics & Information Systems Pension Benefit Information Pluralsight ProSource Tech Services RMJ Consulting RN Expertise Scope Solutions Success Labs Trace Security Transformyx Uniti Fiber Other		
Legal	27,637	66,095
Avant & Falcon Eaton Group Ice Miller, L.L.P. Kean Miller, L.L.P. Klausner, Kaufman, Jensen & Levinson Other		
Medical		
Examiners	88,325	64,950
	\$ 660,422	\$ 599,190



**HAWTHORN
WAYMOUTH
& CARROLL, L.L.P.**
Certified Public Accountants

Louis C. McKnight, III, CPA
Charles R. Pevey, Jr., CPA
David J. Broussard, CPA
Brittany B. Thames, CPA
Kevin M. Rodriguez, CPA

**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***

To the Board of Trustees
Teachers' Retirement System 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 Teachers' Retirement System of Louisiana (TRSL), a component unit of the State of Louisiana, as of and for the year ended June 30, 2022, and the related notes to the financial statements, which collectively comprise the Teachers' Retirement System of Louisiana's basic financial statements, and have issued our report thereon dated September 28, 2022.

Report on Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the Teachers' Retirement System of Louisiana's internal control over financial reporting (internal control) as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the Teachers' Retirement System of Louisiana's internal control. Accordingly, we do not express an opinion on the effectiveness of the Teachers' Retirement System of Louisiana'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 over financial reporting 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 or significant deficiencies may exist that were not identified.

Report on Compliance and Other Matters

As part of obtaining reasonable assurance about whether the Teachers' Retirement System of Louisiana's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, and contracts, noncompliance with which could have a direct and material effect on the financial statements. 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 Teachers' Retirement System of Louisiana'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 Teachers' Retirement System of Louisiana's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Hawthorn, Waymouth & Carroll, L.L.P.

September 28, 2022

Teachers' Retirement System of Louisiana
Schedule of Findings and Responses
Year Ended June 30, 2022

Part I – Summary of Audit Results

- 1) An unmodified opinion has been expressed on the financial statements of Teachers' Retirement System of Louisiana as of and for the year ended June 30, 2022, and the related notes to the financial statements.
- 2) No deficiencies in internal control over financial reporting that we consider to be material weaknesses were identified.
- 3) No instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards* were identified.
- 4) A single audit in accordance with *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* was not required.
- 5) A management letter was not issued.

Part II – Financial Statement Findings

No findings were noted.

**Teachers' Retirement System of Louisiana
Summary Schedule of Prior Year Audit Findings
Year Ended June 30, 2021**

Part I – Financial Statement Findings

No findings were noted.

Part II – Management Letter

A management letter was not issued for the year ended June 30, 2021.

TRSL

Component Unit Financial Report

For Fiscal Years Ended June 30, 2022 and 2021

Katherine Whitney, Director

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