

# **Uniform Retirement System for Justices and Judges**

Administered by the Oklahoma Public Employees Retirement System

Financial Statements  
(With Independent Auditor's Report Thereon)  
June 30, 2018 and 2017

# Table of Contents

Independent Auditor's Report .....	1
Management's Discussion and Analysis .....	3
Financial Statements	
Statements of Fiduciary Net Position .....	11
Statements of Changes in Fiduciary Net Position .....	13
Notes to Financial Statements .....	15
Required Supplementary Information	
Schedule of Changes in the Net Pension Liability .....	32
Schedule of Pension Employer Contributions .....	33
Schedule of Money-Weighted Rate of Return on Pension plan investments .....	34
Schedule of Changes in the Net HISP Liability .....	34
Schedule of HISP Employer Contributions .....	36
Schedule of Money-Weighted Rate of Return on HISP Investments .....	37
Other Supplementary Information	
Schedule of Investment Expenses .....	38
Schedule of Administrative Expenses .....	39
Schedule of Professional/Consultant Fees .....	40
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 .....	41



## Independent Auditor's Report

To the Board of Trustees  
Uniform Retirement System for Justices and Judges  
Oklahoma City, Oklahoma

### Report on the Financial Statements

We have audited the accompanying financial statements of the Uniform Retirement System for Justices and Judges (the System), a component unit of the State of Oklahoma, which comprise the statements of fiduciary net position as of June 30, 2018 and 2017, and the related statements of changes in fiduciary net position, for the years then ended, and the related notes to the financial statements.

### Management's Responsibility for the Financial Statements

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

### Auditor's Responsibility

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

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

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

### Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the respective financial position of the Uniform Retirement System for Justices and Judges, as of June 30, 2018 and 2017, and the respective statements of changes in fiduciary net position thereof for the years then ended in accordance with accounting principles generally accepted in the United States of America.

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**Emphasis of Matter**

As discussed in Note 1, the financial statements of the Uniform Retirement System for Justices and Judges, are intended to present the fiduciary net position, the changes in fiduciary net position of only that portion of the System. They do not purport to, and do not, present fairly the fiduciary net position of other Plans governed by the Oklahoma Public Employee Retirement System Board of Trustees, as of June 30, 2018 and 2017, the changes in its fiduciary net position, in accordance with accounting principles generally accepted in the United States of America. Our opinion is not modified with respect to this matter.

**Other Matters****Required Supplementary Information**

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis and the required supplementary information on pages 3 to 10 and 32 to 37 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

**Other Information**

Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise the System's basic financial statements as a whole. The other supplementary information is presented for purposes of additional analysis and is not a required part of the financial statements.

The other supplementary information accompanying financial information listed as other supplementary information on pages 38 to 40 are the responsibility of management and were derived from and relate directly to the underlying accounting and other records used to prepare the basic financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the accompanying financial information listed as supplementary information is 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 October 12, 2018, on our consideration of the System's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the System's internal control over financial reporting and compliance.



October 12, 2018  
Oklahoma City, Oklahoma

# Management's Discussion and Analysis

## (Unaudited)

As management of the Uniform Retirement System for Justices and Judges (the System) we offer readers of the System's financial statements this narrative overview and analysis of the financial activities of the System for the fiscal years ended June 30, 2018, 2017 and 2016.

### Financial Highlights

- The net position restricted for pension and health insurance subsidy plan (HISP) totaled approximately \$338.0 million at June 30, 2018 compared to \$321.2 million at June 30, 2017, and \$293.7 million at June 30, 2016. The net position restricted for pension/HISP benefits is available for payment of monthly retirement benefits and other qualified distributions to the System's participants. The increase of \$16.8 million and increase of \$27.5 million of the respective years have resulted primarily from the changes in the fair value of the System's investments due to volatile equity markets.
- At June 30, 2018, the total number of members participating in the System was 551, compared to 543 at June 30, 2017 and 546 at June 30, 2016. The total number of retirees increased to 272 for June 30, 2018 compared to 265 at June 30, 2017 and 260 at June 30, 2016.
- During the year ended June 30, 2017, the beginning balance of the net position restricted for pension/HISP benefits was restated due to the implementation of GASB Statement No. 74, *Financial Reporting for Postemployment Benefit Plans Other Than Pension Plans*, (GASB 74). This had no effect on the combined plan ratio of fiduciary net position to the combined liabilities for pensions and HISP.

### Overview of the Financial Statements

The System is a single-employer, public employee retirement plan, which is a defined benefit pension plan. The System covers all Justices and Judges of the Oklahoma Supreme Court, Court of Criminal Appeals, Workers' Compensation Court, Court of Appeals, and District Courts. Benefits are determined at 4% of the average monthly compensation received as a justice or judge based on the highest thirty-six months of compensation multiplied by the number of years of credited service, not to exceed 100% of the retiree's average monthly salary received as a justice and judge for the highest thirty-six months of compensation. Normal retirement ages under the System are 62 with 10 years of judicial service, 67 with 8 years of judicial service, or when the sum of the member's age and years of credited service equals or exceeds 80 (Rule of 80). Members become eligible to vest fully upon termination of employment after attaining eight years of service as a justice or judge, or the members' contributions may be withdrawn upon termination of employment.

The System also includes a single-employer, public employee other post-employment benefit plan, which is a defined benefit plan. This plan is called the Health Insurance Subsidy Plan (HISP), and it provides a health insurance premium subsidy for retirees of the System who elect to maintain health insurance with the Oklahoma Employees Group Insurance Division (EGID) or other qualified insurance plan provided by the employer. This subsidy continues until the retiree terminates health insurance coverage with EGID or other qualified plan, or until death. The subsidy is only for the retiree, not joint annuitants or beneficiaries.

The System's financial statements are comprised of Statements of Fiduciary Net Position and Statements of Changes in Fiduciary Net Position for both pensions and HISP, and Notes to Financial Statements. Also included is certain required supplementary information and supplementary information for both pensions and HISP.

The System is a component unit of the state of Oklahoma (the State) and is administered by the Oklahoma Public Employees Retirement System, a component unit of the State, which together with the System and other similar funds comprise the fiduciary-pension and HISP trust funds of the State.

The *Statements of Fiduciary Net Position* present information on the System's assets, liabilities and the resulting *net position restricted for pensions and HISP*. This statement reflects the System's investments, at fair value, along with cash and cash equivalents, receivables, and other assets and liabilities.

The *Statements of Changes in Fiduciary Net Position* present information showing how the System's net position restricted for pensions and HISP changed during the years ended June 30, 2018 and 2017. It reflects contributions by members and participating employers along with deductions for retirement benefits, refunds and withdrawals, and administrative expenses. Investment income during the period is also presented showing income from investing and securities lending activities.

On July 1, 2016, the System implemented Governmental Accounting Standards Board (GASB) Statement No. 74, *Financial Reporting for Postemployment Benefit Plans Other Than Pensions* (GASB 74). GASB 74 presents improved information about postemployment benefit plans other than pensions (OPEB). The System administers a health insurance subsidy plan (HISP), which is considered OPEB in accordance with the provisions of GASB 74. As a result of the implementation of GASB 74, a beginning balance restatement occurred.

The *notes to financial statements* provide additional information that is essential to a full understanding of the data provided in the financial statements.

The *required supplementary information* presents a schedule of changes in the net pension liability, schedule of changes in the net HISP liability, schedule of net pension liability, schedule of net HISP liability, schedule of pension employer contributions, schedule of HISP employer contributions, and schedules of money-weighted rate of return on pension plan and HISP investments. Schedules of certain expenses and fees paid are presented as *supplementary information*.

## **Financial Analysis**

The following are the condensed Schedules of Fiduciary Net Position and Changes in Fiduciary Net Position for the Uniform Retirement System for Justices and Judges for the fiscal years ended June 30, 2018, 2017 and 2016.

**Condensed Schedules of Fiduciary Net Position**

(\$ millions)	2018			2017			2016*
	Pension	HISP	Combined	Pension	HISP	Combined	
<b>Assets:</b>							
Cash and cash equivalents	\$ 8.1	\$ 0.1	\$ 8.2	\$ 5.9	\$ 0.1	\$ 6.0	\$ 3.9
Receivables	7.7	0.1	7.8	10.9	0.1	11.0	9.8
Investments	338.0	3.1	341.1	322.4	2.9	325.3	295.7
Securities lending collateral	14.3	0.1	14.4	16.2	0.1	16.3	8.7
<b>Total assets</b>	<b>368.1</b>	<b>3.4</b>	<b>371.5</b>	<b>355.4</b>	<b>3.2</b>	<b>358.6</b>	<b>318.1</b>
<b>Liabilities:</b>							
Other liabilities	18.9	0.2	19.1	20.9	0.2	21.1	15.7
Securities lending collateral	14.3	0.1	14.4	16.2	0.1	16.3	8.7
<b>Total liabilities</b>	<b>33.2</b>	<b>0.3</b>	<b>33.5</b>	<b>37.1</b>	<b>0.3</b>	<b>37.4</b>	<b>24.4</b>
<b>Ending fiduciary net position</b>	<b>\$ 334.9</b>	<b>\$ 3.1</b>	<b>\$ 338.0</b>	<b>\$ 318.3</b>	<b>\$ 2.9</b>	<b>\$ 321.2</b>	<b>\$ 293.7</b>

**Condensed Schedules of Changes in Fiduciary Net Position**

(\$ millions)	2018			2017			2016*
	Pension	HISP	Combined	Pension	HISP	Combined	
Member contributions	\$ 2.6	\$ -	\$ 2.6	\$ 2.7	\$ -	\$ 2.7	\$ 2.7
Participating court employers	6.5	0.2	6.7	6.0	0.2	6.2	5.8
Net investment income	26.2	0.2	26.4	36.3	0.3	36.6	1.4
<b>Total additions</b>	<b>35.3</b>	<b>0.4</b>	<b>35.7</b>	<b>45.0</b>	<b>0.5</b>	<b>45.5</b>	<b>9.9</b>
Retirement, death and survivor benefits	18.5	0.2	18.7	17.6	0.2	17.8	17.2
Refunds and withdrawals	-	-	-	0.1	-	0.1	0.2
Administrative expenses	0.2	-	0.2	0.2	-	0.2	0.1
<b>Total deductions</b>	<b>18.7</b>	<b>0.2</b>	<b>18.9</b>	<b>17.9</b>	<b>0.2</b>	<b>18.1</b>	<b>17.5</b>
<b>Net increase (decrease) in fiduciary net position</b>	<b>16.6</b>	<b>0.2</b>	<b>16.8</b>	<b>27.1</b>	<b>0.3</b>	<b>27.4</b>	<b>(7.6)</b>
<b>Beginning of year</b>	<b>318.3</b>	<b>2.9</b>	<b>321.2</b>	<b>291.2</b>	<b>2.6</b>	<b>293.8</b>	<b>301.4</b>
<b>End of year</b>	<b>\$ 334.9</b>	<b>\$ 3.1</b>	<b>\$ 338.0</b>	<b>\$ 318.3</b>	<b>\$ 2.9</b>	<b>\$ 321.2</b>	<b>\$ 293.8</b>

\*Prior year column for 2016 has not been restated for the effect of the adoption of GASB Statement No. 74

For the year ended June 30, 2018, fiduciary net position increased \$16.8 million, or 5.2%. Total assets increased by \$12.9 million, or 3.6%, due to an increase of 4.9% in investments, an increase of 36.7% in cash and cash equivalents partially offset by a decrease of 11.7% in securities lending collateral. The System achieved a money-weighted rate of return of 8.4% compared to the prior year of 12.7% resulting in the majority of the increase in fiduciary net position. Total liabilities decreased 10.4% primarily due to an 11.7% decrease in securities lending collateral and a 9.6% decrease in pending purchases of securities.

Fiscal year 2018 showed a \$9.8 million decrease in total additions and a \$0.8 million increase in total deductions. Compared to the prior year, additions decreased 21.5% due to a decrease in the fair value of investments of \$10.4 million. The 4.4% increase in total deductions was primarily due to a 5.1% increase in retirement benefits. Administrative costs were 0.7% more when compared to the prior year due to a 2.0% increase in the allocation percentage.

For the year ended June 30, 2017, fiduciary net position increased \$27.4 million, or 9.3%. Total assets increased by \$40.5 million, or 12.7%, due to an increase of 10.0% in investments, an increase of 87.7% in securities lending collateral and an increase of 53.8% in cash and cash equivalents. The System achieved a money-weighted rate of return of 12.7% compared to the prior year of 0.5% resulting in the majority of the increase in fiduciary net position. Total liabilities increased 53.7% primarily due to an 87.7% increase in securities lending collateral and a 34.9% increase in pending purchases of securities.

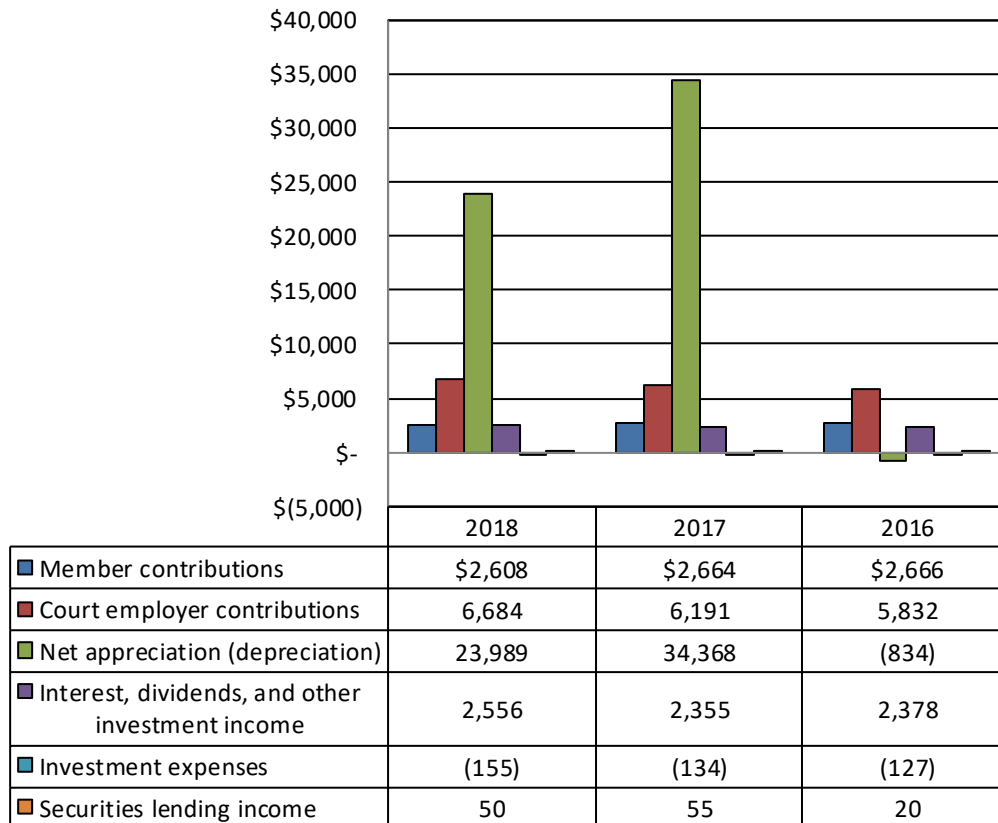
Fiscal year 2017 showed a \$35.6 million increase in total additions and a \$0.6 million increase in total deductions. Compared to the prior year, additions increased 358.0% due to an increase in the fair value of investments of \$29.6 million. The 3.2% increase in total deductions was primarily due to a 3.7% increase in retirement benefits. Administrative costs were 7.0% more when compared to the prior year due to a 2.5% increase in the allocation percentage.

### Additions to Fiduciary Net Position

For the year ended June 30, 2018, additions to fiduciary net position decreased \$9.8 million, or 21.5%, from the prior year. The significant decrease in the appreciation in the fair value of investments from prior year of \$10.4 million is reflective of the softening market, compared to fiscal year 2017. Interest income increased \$0.2 million and securities lending income decreased 8.2%. Contributions increased \$0.4 million, or 4.9%, because of the statutory increase in the contribution percentage for participating court employers.

#### Additions to Fiduciary Net Position

Comparative Data for Fiscal Years Ended June 30, 2018, 2017 and 2016  
(\$ thousands)



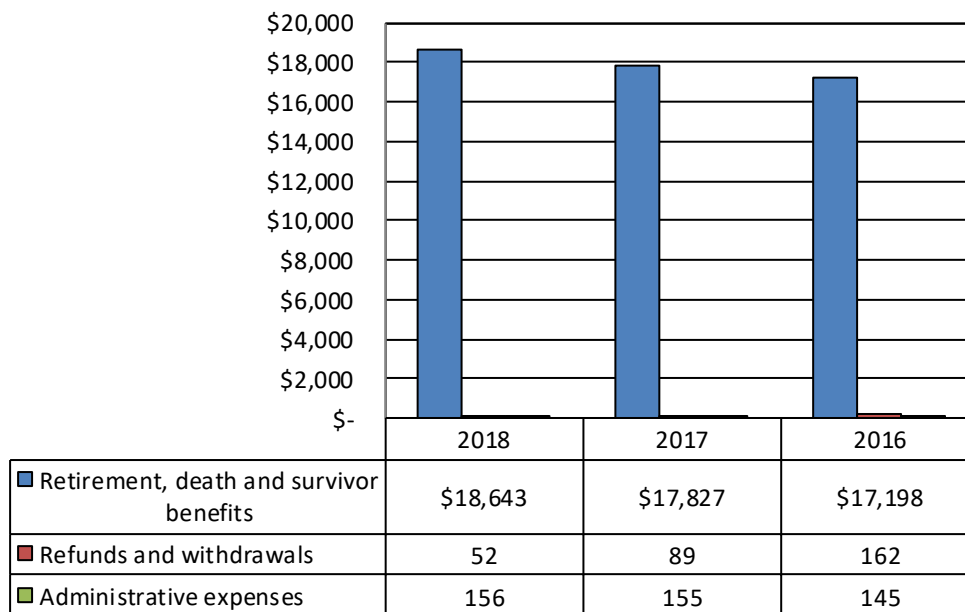
For the year ended June 30, 2017, additions to fiduciary net position increased \$35.6 million, or 358.0%, from the prior year. The significant appreciation in the fair value of investments of \$35.2 million is reflective of the rebounding market, compared to fiscal year 2016. Interest income remained unchanged at \$2.4 million and securities lending income increased 171.2%. Contributions increased \$0.1 million, or 0.7%, because of the statutory increase in the contribution percentage for participating court employers.

## Deductions to Fiduciary Net Position

For the year ended June 30, 2018, total deductions increased \$0.8 million, or 4.4%, from the prior year. Retirement, death, and survivor benefits increased \$0.8 million, or 4.6%, and the average benefit increased 1.2% compared to the prior year due to a 2.6% increase in the number of retirees. Refunds and withdrawals decreased 41.6% from the prior year because the total amount withdrawn is dependent on contribution amounts of the specific members electing to withdraw contributions each year. Administrative costs increased 0.6% when compared to the prior year due to an increase in the allocation rate of 2.0%.

### Deductions to Fiduciary Net Position

Comparative Data for Fiscal Years Ended June 30, 2018, 2017 and 2016  
(\$ thousands)



For the year ended June 30, 2017, total deductions increased \$0.6 million, or 3.2%, from the prior year. Retirement, death, and survivor benefits increased \$0.6 million, or 3.7%, and the average benefit increased 3.3% compared to the prior year due to a 1.9% increase in the number of retirees. Refunds and withdrawals decreased 44.7% from the prior year because the total amount withdrawn is dependent on contribution amounts of the specific members electing to withdraw contributions each year. Administrative costs increased 7.0% when compared to the prior year due to an overall increase in personnel costs giving rise to an increase in the allocation rate of 2.5%.

## Investments

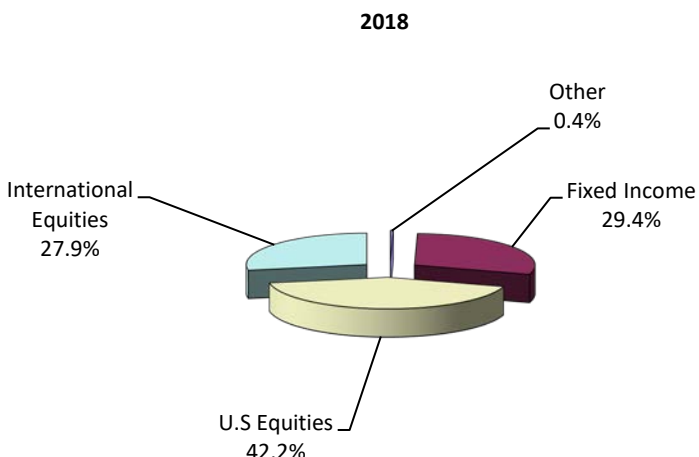
The investment portfolio is reported in the chart below by the asset class of the investment managers' portfolios which includes the cash equivalents in those portfolios. In April 2017, the System's Board voted to modify the policy asset allocation to increase exposure to international equity and reduce exposure to U.S. equity. A summary of the System's cash equivalents and investments for fiscal years ended June 30, 2018, 2017 and 2016 is as follows:

**Cash, Cash Equivalents, and Investment Portfolio**  
(\$ millions)

	June 30,		
	2018	2017	2016
Fixed income	\$ 110.7	\$ 110.0	\$ 103.3
U.S. equities	142.7	131.9	132.1
International equities	94.4	88.6	63.4
Other	1.4	0.8	0.7
Total managed investments	349.2	331.3	299.5
Cash equivalents on deposit with State	0.1	0.1	0.1
Securities lending collateral	14.4	16.3	8.7
Total cash, cash equivalents, and investments	\$ 363.7	\$ 347.7	\$ 308.3

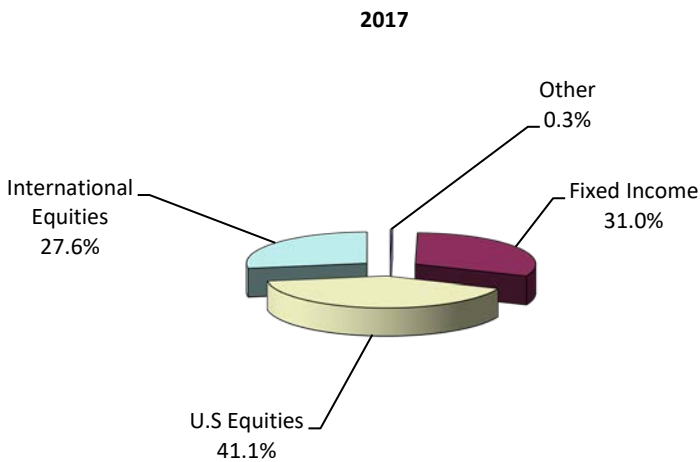
The 2018 increase in the System's managed investments is reflective of the increase in domestic and international equity markets for the year. The System's overall return for the year ended June 30, 2018 was 8.4%. Equity index funds correlated closely with market trends with U.S. and international equities showing returns of 15.1% and 7.6%, respectively. Fixed income showed a return of 0.3%. An amount of \$8.7 million of U.S. equities and \$0.9 million of international equities was used to supplement the cash requirements of monthly retiree benefit payments. The change in securities lending collateral is dependent on the securities loaned by the System's master custodian at year end.

At June 30, 2018, the distribution of the System's investments including accrued income and pending trades was as follows:



The 2017 increase in the System's managed investments is reflective of the increase in domestic and international equity markets for the year. The System's overall return for the year ended June 30, 2017 was 12.7%. Equity index funds correlated closely with market trends with U.S. and international equities showing returns of 19.0% and 20.9%, respectively. Fixed income showed a return of -0.8%. Due to a rebalancing of the portfolio, international equities were increased \$12.0 million and fixed income was increased \$3.2 million during the year by reallocating \$13.7 million from large cap equities and \$1.5 million from small cap equities. An amount of \$9.3 million of U.S. equities was used to supplement the cash requirements of monthly retiree benefit payments. The change in securities lending collateral is dependent on the securities loaned by the System's master custodian at year end.

At June 30, 2017, the distribution of the System's investments including accrued income and pending trades was as follows:



## Economic Factors

### Ratio of Fiduciary Net Position to Total Pension Liability and to Total HISP Liability

The ratio of fiduciary net position to the total pension liability was as follows:

	June 30,	
	2018	2017
Total pension liability	\$ 290,379,164	\$ 282,837,412
Plan fiduciary net position	\$ 334,896,669	\$ 318,262,645
Ratio of fiduciary net position to total pension liability	115.33%	112.52%

\*Because GASB Statement 74 was adopted in the year ended June 30, 2017, there is no comparable data for the year ended June 30, 2016.

The ratio of fiduciary net position to the total HISP liability was as follows:

	June 30,	
	2018	2017
Total HISP liability	\$ 2,724,325	\$ 2,699,494
Plan fiduciary net position	\$ 3,138,717	\$ 2,891,232
Ratio of fiduciary net position to total HISP liability	115.21%	107.10%

\*Because GASB Statement 74 was adopted in the year ended June 30, 2017, there is no comparable data for the year ended June 30, 2016.

## Plan Amendment

No System provision changes were enacted by the State Legislature during the session ended in May 2018.

## Other

The actuarial assumptions used in the July 1, 2018, valuation are based on the results of the most recent actuarial experience study, which covered the three-year period ending June 30, 2016.

Other than changes in the fair value of System assets as may be impacted by the equity and bond markets, no other matters are known by management to have a significant impact on the operations or financial position of the System.

### **Requests for Information**

This financial report is designed to provide a general overview of the System's finances for all those with an interest. Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to the Financial Reporting Division, OPERS, P.O. Box 53007, Oklahoma City, Oklahoma 73152-3007.

## Statements of Fiduciary Net Position

As of June 30, 2018

	Pension Plan	Health Insurance Subsidy Plan	Combined
<b>Assets</b>			
Cash equivalents	\$ 8,112,907	\$ 54,986	\$ 8,167,893
Receivables:			
Member contributions	4,898	-	4,898
State and local agency contributions	12,433	118	12,551
Due from brokers for securities sold	7,236,037	68,285	7,304,322
Accrued interest and dividends	485,589	4,582	490,171
Total receivables	7,738,957	72,985	7,811,942
Investments, at fair value:			
Short-term investments	2,342,531	22,106	2,364,637
Government obligations	70,548,283	665,746	71,214,029
Corporate bonds	30,229,519	285,269	30,514,788
Domestic equities	141,342,979	1,333,818	142,676,797
International equities	93,534,206	882,659	94,416,865
Securities lending collateral	14,266,150	134,626	14,400,776
Total investments	352,263,668	3,324,224	355,587,892
Total assets	368,115,532	3,452,195	371,567,727
<b>Liabilities</b>			
Due to brokers and investment managers	18,952,713	178,852	19,131,565
Securities lending collateral	14,266,150	134,626	14,400,776
Total liabilities	33,218,863	313,478	33,532,341
Net position restricted for pension/HISP benefits	\$ 334,896,669	\$ 3,138,717	\$ 338,035,386

See accompanying notes to financial statements.

## Statements of Fiduciary Net Position

As of June 30, 2017

	Pension Plan	Health Insurance Subsidy Plan	Combined
<b>Assets</b>			
Cash equivalents	\$ 5,976,011	\$ 56,814	\$ 6,032,825
Receivables:			
Member contributions	185,665	-	185,665
State and local agency contributions	436,987	3,969	440,956
Due from brokers for securities sold	9,833,070	89,301	9,922,371
Accrued interest and dividends	429,923	3,904	433,827
Total receivables	10,885,645	97,174	10,982,819
Investments, at fair value:			
Short-term investments	4,492,351	40,798	4,533,149
Government obligations	72,788,292	661,044	73,449,336
Corporate bonds	26,607,124	241,639	26,848,763
Domestic equities	130,699,473	1,186,978	131,886,451
International equities	87,776,070	797,159	88,573,229
Securities lending collateral	16,183,944	146,978	16,330,922
Total investments	338,547,254	3,074,596	341,621,850
Total assets	355,408,910	3,228,584	358,637,494
<b>Liabilities</b>			
Due to brokers and investment managers	20,962,321	190,374	21,152,695
Securities lending collateral	16,183,944	146,978	16,330,922
Total liabilities	37,146,265	337,352	37,483,617
Net position restricted for pension/HISP benefits	\$ 318,262,645	\$ 2,891,232	\$ 321,153,877

See accompanying notes to financial statements.

## Statements of Changes in Fiduciary Net Position

For the Year Ended June 30, 2018

	Pension Plan	Health Insurance Subsidy Plan	Combined
<b>Additions</b>			
Contributions:			
Members	\$ 2,608,284	\$ -	\$ 2,608,284
Participating court employers	6,504,275	180,000	6,684,275
Total contributions	9,112,559	180,000	9,292,559
Investment income:			
From investing activities:			
Net appreciation in fair value of investments	23,761,714	226,790	23,988,504
Interest	2,531,114	25,021	2,556,135
Total investment income	26,292,828	251,811	26,544,639
Less – Investment expenses	(153,748)	(1,467)	(155,215)
Income from investing activities	26,139,080	250,344	26,389,424
From securities lending activities:			
Securities lending income	318,225	3,037	321,262
Securities lending expenses:			
Borrower rebates	(260,544)	(2,487)	(263,031)
Management fees	(8,024)	(77)	(8,101)
Income from securities lending activities	49,657	473	50,130
Net investment income	26,188,737	250,817	26,439,554
Total additions	35,301,296	430,817	35,732,113
<b>Deductions</b>			
Retirement, death and survivor benefits	18,461,040	181,860	18,642,900
Refunds and withdrawals	52,038	-	52,038
Administrative expenses	154,194	1,472	155,666
Total deductions	18,667,272	183,332	18,850,604
Net increase in net position	16,634,024	247,485	16,881,509
<b>Net position restricted for pension/HISP benefits</b>			
Beginning of year	318,262,645	2,891,232	321,153,877
End of year	\$ 334,896,669	\$ 3,138,717	\$ 338,035,386

See accompanying notes to financial statements.

## Statements of Changes in Fiduciary Net Position

For the Year Ended June 30, 2017

	Pension Plan	Health Insurance Subsidy Plan	Combined
<b>Additions</b>			
Contributions:			
Members	\$ 2,663,717	\$ -	\$ 2,663,717
Participating court employers	6,013,196	177,600	6,190,796
Total contributions	8,676,913	177,600	8,854,513
Investment income:			
From investing activities:			
Net appreciation in fair value of investments	34,058,749	309,313	34,368,062
Interest	2,332,840	21,856	2,354,696
Total investment income	36,391,589	331,169	36,722,758
Less – Investment expenses	(132,514)	(1,203)	(133,717)
Income from investing activities	36,259,075	329,966	36,589,041
From securities lending activities:			
Securities lending income	133,590	1,213	134,803
Securities lending expenses:			
Borrower rebates	(70,678)	(642)	(71,320)
Management fees	(8,772)	(80)	(8,852)
Income from securities lending activities	54,140	491	54,631
Net investment income	36,313,215	330,457	36,643,672
Total additions	44,990,128	508,057	45,498,185
<b>Deductions</b>			
Retirement, death and survivor benefits	17,648,438	178,710	17,827,148
Refunds and withdrawals	89,298	-	89,298
Administrative expenses	153,267	1,392	154,659
Total deductions	17,891,003	180,102	18,071,105
Net increase in net position	27,099,125	327,955	27,427,080
<b>Net position restricted for pension/HISP benefits</b>			
Beginning of year	291,163,520	2,563,277	293,726,797
End of year	\$ 318,262,645	\$ 2,891,232	\$ 321,153,877

See accompanying notes to financial statements.

# Notes to Financial Statements

June 30, 2018 and 2017

## (1) Reporting Entity

The Uniform Retirement System for Justices and Judges (the System) is a defined benefit cost-sharing single employer plan consisting of a retirement plan and a health insurance subsidy plan (HISP) both held in irrevocable trusts. The System, together with other similar fiduciary pension trust funds of the state of Oklahoma (the State), is a component unit of the State. The System is administered by the Oklahoma Public Employees Retirement System (OPERS). As set forth in Title 20 of the Oklahoma Statutes, at Section 1108, a portion of the administrative overhead expenses, including personnel and other supporting services costs, which are paid for by a separate retirement fund also administered by OPERS, are allocated to the System. The allocation is based on OPERS' estimate of the cost of services provided to the System by the separate fund. Allocated costs are charged to the System and paid with funds provided through operations of the System.

## (2) Summary of Significant Accounting Policies

The following are the significant accounting policies followed by the System.

### (a) Basis of Accounting

The financial statements are prepared using the economic resources measurement focus and the accrual basis of accounting under which expenses are recorded when the liability is incurred, revenues are recorded in the accounting period in which they are earned and become measurable, and investment purchases and sales are recorded as of their trade dates. Member and employer contributions are established by statute as a percentage of salaries and are recognized when due, pursuant to legal requirements. Benefits and refunds are recognized when due and payable in accordance with the terms of the System.

### (b) Investments

The System is authorized to invest in eligible investments as approved by the Board of Trustees of OPERS (the Board) as set forth in its investment policy.

System investments are reported at fair value, which is the price that would be received if the investments were sold in an orderly transaction between a willing buyer and a willing seller. Short-term investments include bills and notes and commercial paper. Short-term investments, domestic debt securities, and equity securities are reported at fair value, as determined by the System's custodial agent, generally based on pricing services or prices quoted by independent brokers. The fair value of the pro rata share of units owned by the System in index and commingled trust funds is determined by the respective fund trustees based on quoted sales prices of the underlying securities.

Cash equivalents include investments in money market funds and investment pools and are reported at amortized cost.

Net investment income (loss) includes net appreciation (depreciation) in the fair value of investments, interest income, securities lending income and expenses, dividend income, and investment expenses, which includes investment management and custodial fees and all other significant investment related costs.

The System's investment policy provides for investments in combinations of stocks, bonds, fixed income securities, and other investment securities, along with investments in commingled trust and index funds.

## Notes to Financial Statements (continued)

Investment securities and investment securities underlying the trust and index fund investments are exposed to various risks, such as interest rate and credit risks. Due to the risks associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities may occur in the near term, and those changes could materially affect the amounts reported in the statements of fiduciary net position.

### **(c) Use of Estimates**

Management of the System has made a number of estimates and assumptions relating to the reporting of assets and liabilities and the disclosure of contingent assets and liabilities to prepare these financial statements in conformity with U.S. generally accepted accounting principles (GAAP), note disclosure and required supplementary information (RSI). Actual results could differ from these estimates.

### **(d) Risk and Uncertainties**

Contributions to the System and the actuarial information included in Note (6) Net Pension Liability, Net OPEB Liability and Actuarial Information and the RSI are reported based on certain assumptions pertaining to interest rates, inflation rates, and employee compensation and demographics. Due to the changing nature of these assumptions, it is at least reasonably possible that changes in these assumptions may occur in the near term and, due to the uncertainties inherent in setting assumptions, that the effect of such changes could be material to the financial statements.

### **(e) Composition of Board of Trustees**

The Board of Trustees consists of fourteen appointed members, some by position and some by association. Those serving through position are a member of the Corporation Commission as selected by the Commission, a member of the Tax Commission as selected by the Tax Commission, the Administrator of the Office of Personnel Management or designee, the State Insurance Commissioner or designee, the Director of State Finance or designee, and the State Treasurer or designee. Of the remaining members, three are appointed by the Governor, one is appointed by the Supreme Court, two are appointed by the Speaker of the House of Representatives and two are appointed by the President Pro Tempore of the Senate. Qualifications for certain of these appointees include a balance of individuals having experience in investment management, pension management, public fund management, the banking profession or a licensed attorney or a licensed accountant.

## **(3) System Descriptions and Contribution Information**

The following brief description of the System is provided for general information purposes only. Participants should refer to Title 20 of the Oklahoma Statutes, Sections 1101 through 1111, for more complete information.

### **(a) General**

The System is a single-employer public employee retirement plan, which is a defined benefit pension plan covering all justices and judges of the Oklahoma Supreme Court, Court of Criminal Appeals, Workers' Compensation Court, Court of Appeals, and District Courts.

The System also administers the Health Insurance Subsidy Plan, a cost-sharing multiple-employer defined benefit OPEB plan that provides OPEB covering the same categories of employees covered by the System.

The supervisory authority for the management and operation of the System and HISP is the Board, which acts as a fiduciary for investment of the funds and the application of System interpretation.

## Notes to Financial Statements (continued)

At June 30, the System's membership consisted of:

	2018	2017
Inactive members or their beneficiaries currently receiving benefits	272	265
Inactive members entitled to but not yet receiving benefits	14	16
Active members	265	262
Total	551	543

\*Of the inactive members or their beneficiaries currently receiving benefits, 144 are retirees and beneficiaries in the HISP as of June 30, 2018 and 2017. The Plan also includes 19 and 18 nonvested terminated members entitled to a refund of their member contributions as of June 30, 2018 and 2017, respectively.

### (b) *Benefits*

#### *Pensions*

Benefits are determined at 4% of the member's average monthly compensation for covered active service over the highest thirty-six months of compensation as a justice or judge times the total years of service in the System not to exceed 100% of the retiree's average monthly salary received as a justice or judge for the highest thirty-six months of compensation.

Normal retirement ages under the System are as follows:

For participants who became members prior to January 1, 2012:

- When the sum of at least 8 years of credited years and age equals or exceeds 80 (Rule of 80)
- Age 65 with 8 years of judicial service
- Age 60 with 10 years of judicial service

For participants who became members on or after January 1, 2012:

- Age 67 with 8 years of judicial service
- Age 62 with 10 years of judicial service

Members are eligible to vest fully upon termination of judicial service after accumulating eight years of judicial service, or the member's contributions may be withdrawn at the time such member ceases to be a justice or judge of a court within the System. Disability retirement benefits are available for members who have attained age 55 and have 15 years of continuous judicial service and are determined to be disabled by the Court of the Judiciary. The benefits are calculated in the same manner as the normal retirement benefit. The Court of the Judiciary may override these requirements if it is determined that any judge or justice is no longer capable of performing regular duties.

Upon the death of an active member, the System will pay to the designated beneficiary the active member's accumulated employee contributions. However, if the deceased member contributed to survivor benefits, an eligible spouse of the member may choose to vest the member's service (8 years required) until the spouse is eligible to receive monthly survivor benefits as defined by the System.

Upon the death of a retired member, the System will pay a \$5,000 death benefit to the member's beneficiary or estate of the member if there is no living beneficiary. The death benefit will be paid in addition to any excess employee contributions or survivor benefits due to the estate or beneficiary. Death benefits paid for the year ended June 30, 2018 and 2017 totaled approximately \$47,500 and \$33,000, respectively.

## Notes to Financial Statements (continued)

Surviving spouse benefits are paid to a member's spouse, provided the member makes the required contributions and the spouse qualifies under the System provisions. These payments are made monthly over the remaining life of the spouse. If the member has ten years of service and the death is determined by the Workers' Compensation Court to be employment related, the benefit is payable immediately to the spouse. Members must have eight years of credited service before their spouses are eligible for normal survivor benefits. The benefit payment is equal to 50% up to 65% of the normal retirement benefit if certain contributions and other criteria are met. Effective September 1, 2005, survivor benefits are also available to the retiree's designated joint annuitant according to the option elected by the member. The first option gives the member a reduced lifetime annuity with 50% of the amount paid to the member's survivor at the member's death. The second option pays the member an even further reduced annuity with the same amount paid to the survivor after the member's death.

### *Health Insurance Subsidy Plan*

HISP provides a health insurance premium subsidy for retirees of the System who elect to maintain health insurance with the Oklahoma Employees Group Insurance Division (EGID) or other qualified insurance plan provided by the employer. This subsidy continues until the retiree terminates health insurance coverage with EGID or other qualified plan, or until death. The subsidy is only for the retiree, not joint annuitants or beneficiaries.

Benefits are established and may be amended by the State Legislature from time to time.

### **(c) Contributions**

The contribution requirements of the System are an established rate determined by the Oklahoma Legislature and are based on a comparison to an actuarial calculation which is performed to determine the adequacy of the contribution rate. An actuarially determined portion of the total contributions to the System are set aside to finance the cost of the benefits of the HISP in accordance with provisions of the Internal Revenue Code.

The contribution rate of all justices and judges is 8% of a member's monthly salary. The member may elect a maximum benefit with no survivor option or one of two types of actuarially reduced retirement benefits that provide for a lifetime benefit to be paid to the member's joint annuitant after the member's death. This election is available for any judge or justice without regard to marital status. Prior to September 2005, the basic member contributions were 5% of a member's monthly salary. Each member of the System who was married provided for spousal survivor benefits and contributed at the rate of 8% unless the member's spouse agreed to waive spousal benefits. Participating court employers are required to contribute monthly a percentage of the gross salaries of the active members of the System. The percentages established by the Oklahoma Legislature for the years ended June 30, 2017 and 2016 were 19.0% and 17.5%, respectively, of member payroll. Only employers contribute to the HISP.

Effective for the fiscal year ended June 30, 2018, the employer contribution rate increased to 20.5% of payroll and will increase another 1.5% to 22.0% for fiscal years ending June 30, 2019 and thereafter.

Prior to July 2009, the Board was authorized to adjust the contribution rate to prevent a funded ratio of the System of less than 100%. Effective July 1, 2009, the statutory responsibility of the Board was modified to adjust the employer contribution rate to prevent a funded ratio below the target of "at or near" ninety percent. In May 2010, legislation was enacted to remove the authority of the Board to adjust the employer contribution rate.

## Notes to Financial Statements (continued)

### (4) Cash Equivalents

Cash equivalents represent short-term investment funds held by the Office of the State Treasurer (State Treasurer) and the System's custodial agent.

At June 30, cash equivalents were:

	2018	2017
Cash equivalents		
State Treasurer	\$ 114,374	\$ 64,477
Custodial agent	8,053,519	5,968,348
Total cash and cash equivalents	\$ 8,167,893	\$ 6,032,825

Cash is deposited to *OK INVEST*, an internal investment pool of the State Treasurer with holdings limited to obligations of the U.S. Government, its agencies and instrumentalities, agency senior debt and mortgage-backed pass-through securities, tri-party repurchase agreements, money market mutual funds, collateralized certificates of deposit, commercial paper, obligations of state and local governments, and State of Israel Bonds. Participants are limited to qualifying agencies and funds within the State's reporting entity, and each participant maintains an interest in the underlying investments of *OK INVEST* and shares the risk of loss on the fund in proportion to the respective investment in the fund. The custodial agent cash equivalents consist of temporary investments in commingled trust funds of the System's custodial agent. The fund is composed of high-grade money market instruments with short maturities. Each participant in the fund shares the risk of loss on the fund in proportion to the respective investment in the fund.

Deposits are exposed to custodial credit risk if they are not covered by depository insurance and the deposits are uncollateralized, collateralized with securities held by the pledging financial institution, or collateralized with securities held by the pledging financial institution's trust department or agency but not in the depositor-government's name. At June 30, 2018 and 2017, the cash equivalents in *OK INVEST* and the System's custodial agent cash equivalents were not exposed to custodial credit risk because their existence cannot be evidenced by securities that exist in physical or book entry form.

### (5) Investments

#### (a) General

Investments are pooled for administrative purposes and then allocated to the pension plan and HISP based on actuarial data, inflows and outflows. The OPERS Statement of Investment Policy states that the Board believes that System assets should be managed in a fashion that reflects the System's unique liabilities and funding resources, incorporating accepted investment theory and reliable empirical evidence. Specifically, the Board has adopted the following principles:

- Asset allocation is the key determinant of return, and therefore, commitments to asset allocation targets will be maintained through a disciplined rebalancing program.
- Diversification, both by and within asset classes, is the primary risk control element.
- Passive fund portfolios are suitable investment strategies, especially in highly efficient markets. These index funds, which are externally managed by professional investment management firms selected through due diligence of the Board, are deemed to be actively managed accounts within the meaning of Section 909.1(D) of Title 74 of the Oklahoma Statutes.

The investment policy, guidelines, and objectives which govern the investment of System assets shall be developed and adopted by the Board of Trustees at a regularly scheduled public Board meeting, at least annually, prior to August 1 of each year. Changes to the investment policy may be made, as necessary, at any

## Notes to Financial Statements (continued)

public meeting of the Board of Trustees, in compliance with the Open Meeting Act. During 2015, the investment policy was modified to allow investments in certain real estate-related assets.

The asset allocation guidelines established by policy at June 30, 2018 and 2017, were U.S. equities – 40%, international equities – 28%, and domestic fixed income – 32%. The guidelines also establish minimum and maximum percentages for each asset class allocation, and when allocations move outside these limits, portfolios are rebalanced.

The fair value of investments held by the System at June 30 was as follows:

	2018	2017
U.S. Treasury notes/bonds	\$ 36,773,789	\$ 39,015,245
U.S. TIPS index fund	10,428,399	10,189,339
Government agencies	169,933	75,507
Government mortgage-backed securities	22,692,854	23,279,385
Foreign bonds	723,306	328,187
Municipal bonds	551,016	561,672
Corporate bonds	26,186,899	23,497,558
Asset-backed securities	4,406,250	4,833,024
Commercial mortgage-backed securities	1,502,655	2,193,400
Non government backed collateralized mortgage obligations	658,353	857,931
U.S. equity index funds	142,676,797	131,886,451
International equity index fund	94,416,865	88,573,229
Securities lending collateral	14,400,776	16,330,922
Total investments	\$ 355,587,892	\$ 341,621,850

The System participates in fixed income and international and domestic equity index funds managed by BlackRock Institutional Trust Company, N.A. (BTC). BTC, a subsidiary of BlackRock, Inc., is a national banking association and operates as a limited purpose trust company. Its primary regulator is the Office of the Comptroller of the Currency (OCC), the agency of the U.S. Treasury Department that regulates United States national banks. Each fund is a collective fund which is a group trust and an entity separate from BTC, other funds, and the investing participants. BTC is trustee of each of the collective fund trusts and holds legal title to each trust's assets for the exclusive benefit of the System. The fair value of the System's position in the pool is the same as the value of the pool shares. In 2018 and 2017, the System invested in a fixed income index fund, two domestic equity index funds, and an international equity index fund. The System shares the risk of loss in these funds with other participants in proportion to its respective investment. Because the System does not own any specific identifiable investment securities of these funds, the risk associated with any derivative investments held in these funds is not apparent. The degree of risk depends on the underlying portfolios of the funds, which were selected by the System in accordance with its investment policy guidelines including risk assessment.

### (b) **Securities Lending**

The System's investment policy provides for its participation in a securities lending program. The program is administered by the System's master custodian, and there are no restrictions on the amount of loans that can be made. During 2018 and 2017, the types of securities loaned were primarily U.S. Government and corporate bonds. Certain securities of the System are loaned to participating brokers, who must provide collateral in the form of cash, U.S. Treasury or Government Agency securities, or letters of credit issued by approved banks.

Under the terms of the securities lending agreement, collateral is required to be provided in the amount of 102% of the fair value of U.S. securities loaned and 105% of the fair value of non-U.S. securities loaned. At June 30, 2018 and 2017, 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. The securities on loan at June 30, 2018 and 2017 collateralized by cash collateral were \$14,075,861 and \$15,968,666, respectively, and the cash collateral received for those securities on loan was \$14,400,776 and \$16,330,922, respectively. In addition, the securities on loan at June 30, 2018 and 2017 collateralized by non-cash collateral were \$2,908,106 and

## Notes to Financial Statements (continued)

\$4,703,094, respectively, and the market value of the non-cash collateral for those securities on loan was \$2,990,026 and \$4,801,812, respectively. The master custodian provides for full indemnification to the System for any losses that might occur in the program due to the failure of a broker to return a security that was borrowed (and if the collateral is inadequate to replace the securities lent) or failure to pay the System for income of the securities while on loan. The System cannot pledge or sell collateral securities unless the borrower defaults. The loan premium paid by the borrower of the securities is apportioned between the System and its custodial agent in accordance with the securities lending agreement. All securities loans can be terminated on demand by either the lender or the borrower.

The securities lending agreement provides that cash collateral be invested in the custodial agent's short-term investment pool and sets forth credit quality standards, acceptable investments, diversification standards, and maturity and liquidity constraints for the investment fund. The System's investment guidelines do not require a matching of investment maturities with loan maturities but do establish minimum levels of liquidity and other investment restrictions designed to minimize the interest rate risk associated with not matching the maturities of the investments with the loans. At June 30, 2018 and 2017, the cash collateral investments had an average weighted maturity of 18 and 17 days, respectively, and the relationship between the maturities of the custodial agent's investment pool and the System's loans is affected by the maturities of the securities loans made by other entities that use the agent's pool, which the System cannot determine. The System's non-cash collateral is represented by its allocated share of a pool administered by the agent for the System and other pool participants.

### (c) **Credit Risk**

Credit risk is the risk that an issuer or other counterparty to an investment will default or will otherwise not fulfill its obligations.

The System's investment guidelines provide for the domestic fixed income managers to follow one of four investment styles and specify quality guidelines for each style.

The *Constrained Core* manager will invest in a broadly diversified portfolio with characteristics similar to a broad fixed income market index, such as the Barclays Capital Aggregate Bond Index. The total portfolio minimum quality should be single-A as rated by a nationally recognized statistical rating organization (NRSRO). The portfolio should primarily consist of investment grade securities, with a minimum quality rating for any issue of triple-B rating by at least one NRSRO. In the event that a credit rating is downgraded below this minimum, the investment manager shall immediately notify OPERS staff and provide an evaluation and recommended course of action.

The *Core Plus* manager will invest in a broadly diversified portfolio with characteristics similar to the Constrained Core manager and will add a "plus" of limited exposure to high yield bonds. The total portfolio minimum quality should be single-A as rated by an NRSRO. No more than 20% of the portfolio shall consist of non-investment grade issues. The minimum quality rating for any issue is single-B rating by at least one NRSRO, and no more than 5% of a portfolio shall be invested in issues rated below double-B rating by at least one NRSRO. In the event that a credit rating is downgraded below this minimum, the investment manager shall immediately notify OPERS staff and provide an evaluation and recommended course of action.

The *Interest Rate Anticipator* manager follows a style that seeks to correctly forecast the long term trend in interest rates and adjust the portfolio duration accordingly. The total portfolio minimum quality should be single-A as rated by an NRSRO, and the portfolio should consist of investment grade securities only.

The *Passive* fixed income style consists of a Treasury Inflation-Protection Securities (TIPS) index fund. TIPS are securities issued by the U.S. Government that are designed to protect the purchasing power of the investor.

## Notes to Financial Statements (continued)

At June 30, 2018, the domestic fixed income portfolio consisted of a constrained core fixed income portfolio, a core plus fixed income portfolio, a rate anticipator portfolio, and a passive U.S. TIPS index fund. All components met the stated policy restrictions, except the core fixed income portfolio, which held \$194,437 of the portfolio in issues rated below triple-B minus, and the core plus fixed income portfolio, which held \$27,370 in issues rated below single-B. At June 30, 2017, the domestic fixed income portfolio consisted of a constrained core fixed income portfolio, a core plus fixed income portfolio, a rate anticipator portfolio, and a passive U.S. TIPS index fund. All components met the stated policy restrictions, except the core fixed income portfolio, which held \$39,386 of the portfolio in issues rated below triple-B minus, and the core plus fixed income portfolio, which held \$193,763 in issues rated below single-B.

Investments issued by or explicitly guaranteed by the U.S. Government are not considered to have credit risk. At June 30, 2018, the System held 36.9% of fixed income investments that were not considered to have credit risk and 10.0% in a U.S. TIPS index fund made up of explicitly guaranteed U.S. Treasury Inflation-Protected Securities. At June 30, 2017, the System held 39.3% of fixed income investments that were not considered to have credit risk and 9.7% in a U.S. TIPS index fund made up of explicitly guaranteed U.S. Treasury Inflation-Protected Securities.

The System's exposure to credit risk at June 30, 2018 is presented below, in thousands, by investment category as rated by an NRSRO.

	Triple-A	Double-A	Single-A	Triple-B	Double-B	Single-B	Triple-C	Not Rated or Rating Not Available	Total
Foreign government bonds	\$ -	\$ -	\$ 229	\$ 494	\$ -	\$ -	\$ -	\$ -	\$ 723
Municipal bonds	144	307	-	100	-	-	-	-	551
Corporate bonds	157	1,905	8,973	12,006	1,260	328	27	1,531	26,187
Asset-backed securities	3,601	185	232	352	36	-	-	-	4,406
Commercial mortgage-backed securities	1,404	-	-	99	-	-	-	-	1,503
Non government backed collateralized mortgage obligations	312	96	64	108	78	-	-	-	658
Total fixed income securities exposed to credit risk	\$ 5,618	\$ 2,493	\$ 9,498	\$ 13,159	\$ 1,374	\$ 328	\$ 27	\$ 1,531	\$ 34,028
Percent of total fixed income portfolio	5.4%	2.4%	9.1%	12.6%	1.3%	0.3%	0.0%	1.5%	32.6%

The System's exposure to credit risk at June 30, 2017 is presented below, in thousands, by investment category as rated by an NRSRO.

	Triple-A	Double-A	Single-A	Triple-B	Double-B	Single-B	Triple-C	Not Rated or Rating Not Available	Total
Government agencies	\$ -	\$ -	\$ -	\$ 30	\$ -	\$ -	\$ -	\$ -	\$ 30
Foreign government bonds	-	-	-	328	-	-	-	-	328
Municipal bonds	97	368	-	97	-	-	-	-	562
Corporate bonds	436	1,216	6,468	10,231	430	134	35	4,548	23,498
Asset-backed securities	2,841	1,164	551	22	-	128	31	96	4,833
Commercial mortgage-backed securities	1,639	237	-	101	29	-	-	187	2,193
Non government backed collateralized mortgage obligations	368	246	69	102	-	73	-	-	858
Total fixed income securities exposed to credit risk	\$ 5,381	\$ 3,231	\$ 7,088	\$ 10,911	\$ 459	\$ 335	\$ 66	\$ 4,831	\$ 32,302
Percent of total fixed income portfolio	5.1%	3.1%	6.8%	10.4%	0.4%	0.3%	0.1%	4.6%	30.9%

## Notes to Financial Statements (continued)

The exposure to credit risk of the underlying investments of the System's cash equivalents at June 30 is as follows:

Credit Rating	2018	2017
Triple-A	- %	0.1 %
Double-A	100.0	95.8
Single-A	-	4.1
	100.0 %	100.0 %

### (d) Concentration of Credit Risk

Investments can be exposed to concentration of credit risk if significant amounts are invested in any one issuer. The System's investment policy states that portfolios managed on behalf of the System should not hold more than 5% of the outstanding securities of any single issuer. As of June 30, 2018 and 2017, the System did not have 5% or more of its total investments in any single issuer.

### (e) Interest Rate Risk

Interest rate risk is the risk that changes in interest rates will adversely affect the fair value of an investment or a deposit. Duration is a measure of a debt investment's exposure to fair value changes arising from changing interest rates based upon the present value of cash flows, weighted for those cash flows as a percentage of the investment's full price. Effective duration estimates the sensitivity of a bond's price to interest rate changes and makes assumptions regarding the most likely timing and amounts of variable cash flows arising from investments such as callable bonds, collateralized mortgage obligations, and other mortgage-backed securities.

The System does not have a formal investment policy on interest rate risk. Interest rate risk is controlled through diversification of portfolio management styles.

At June 30, the System's exposure to interest rate risk as measured by effective duration is listed below by investment category.

	2018		2017	
	Fair Value	Effective duration in years	Fair Value	Effective duration in years
U.S. Treasury notes/bonds	\$ 36,773,789	11.7	\$ 39,015,245	10.8
U.S. TIPS index fund	10,428,399	7.7	10,189,339	7.8
Government agencies	169,933	3.0	75,507	11.8
Government mortgage-backed securities	22,692,854	5.2	23,279,385	4.5
Foreign bonds	723,306	9.5	328,187	7.1
Municipal bonds	551,016	5.6	561,672	7.1
Corporate bonds	26,186,899	5.4	23,497,558	5.3
Asset-backed securities	4,406,250	1.1	4,833,024	1.0
Commercial mortgage-backed securities	1,502,655	4.3	2,193,400	4.6
Non government backed collateralized mortgage obligations	658,353	2.0	857,931	1.9
Total fixed income	\$ 104,093,454		\$ 104,831,248	
Portfolio duration		7.6		7.2

## Notes to Financial Statements (continued)

Some investments' sensitivity to changing interest rates may derive from prepayment options embedded in an investment. Asset-backed securities, mortgage-backed securities, and collateralized mortgage obligations are pass-through securities that represent pooled debt obligations repackaged as securities that pass income and principal from debtors through the intermediary to investors.

Asset-backed securities are bonds or notes backed by loan paper or accounts receivable originated by banks, credit card companies, or other providers of credit and often enhanced by a bank letter of credit or by insurance coverage provided by an institution other than the issuer. At June 30, 2018 and 2017, the System held \$4,406,250 and \$4,833,024, respectively, in asset-backed securities.

Mortgage-backed securities are securities backed by mortgages issued by public and private institutions. At June 30, 2018 and 2017, the System held \$22,692,854 and \$23,279,385, respectively, in government mortgage-backed securities issued by the Federal Home Loan Mortgage Corporation (FHLMC), Government National Mortgage Association (GNMA), and Federal National Mortgage Association (FNMA) as well as \$1,502,655 and \$2,193,400, respectively, in commercial mortgage-backed securities.

Collateralized mortgage obligations (CMOs) are mortgage-backed bonds that allocate mortgage cash flows (interest and principal) into different maturity classes, called tranches. This is accomplished by dedicating mortgage cash flows to specific tranches and paying each tranche off, in turn by prespecified rules. In return for a lower yield, CMOs provide investors with increased security about the life of their investment compared to purchasing a pass-through mortgage-backed security. If mortgage rates drop (rise) sharply, prepayment rates will increase (decrease), and CMO tranches may be repaid before (after) the expected maturity. At June 30, 2018 and 2017, the System held \$658,353 and \$857,931, respectively in non-government backed CMOs.

The exposure to interest rate risk of the underlying investments of the System's cash equivalents at June 30 is as follows:

<b>Maturities</b>		
<b>(in days)</b>	<b>2018</b>	<b>2017</b>
0 - 14	29.1 %	37.8 %
15 - 30	12.5	2.6
31 - 60	15.2	12.3
61 - 90	17.0	19.9
91 - 180	11.9	9.3
181 - 364	11.1	16.5
365 - 730	3.2	1.6
	100.0 %	100.0 %

### (f) **Rate of Return**

For the year ended June 30, 2018 and 2017, the annual money-weighted rate of return on pension plan investments, net of pension plan investment expenses, was 8.35% and 12.68%, respectively, and the annual money-weighted rate of return on OPEB plan investments, net of OPEB plan investment expenses, was 8.68% and 12.89%, respectively. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

### (g) **Fair Value Measurement**

The System categorizes its fair value measurements within the fair value hierarchy established by generally accepted accounting principles. The fair value hierarchy prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to quoted prices in active markets for identical

## Notes to Financial Statements (continued)

assets (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The inputs to the three levels of the fair value hierarchy are described as follows:

- Level 1:** Quoted prices in active markets for identical assets or liabilities
- Level 2:** Significant other observable inputs, including quoted prices for similar assets or liabilities in active markets, quoted prices for identical or similar assets in markets that are not active and other market corroborated inputs
- Level 3:** Significant unobservable inputs

Debt securities classified in Level 2 are subject to pricing by an alternative pricing source due to lack of information available by the primary vendor.

## Notes to Financial Statements (continued)

Assets measured at fair value and net asset value at June 30, 2018 are as follows:

Investments by Fair Value Level	6/30/2018	Fair Value Measurements Using		
		Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
<b>Cash Equivalents by Fair Value Level</b>				
Short-term investment fund	\$ 8,053,519	\$ -	\$ 8,053,519	\$ -
<b>Investments by Fair Value Level</b>				
U.S. Treasury notes/bonds	\$ 36,773,789	\$ -	\$ 36,773,789	\$ -
Government agencies	169,933	-	169,933	-
Government mortgage-backed securities	22,692,854	-	22,692,854	-
Foreign bonds	723,306	-	723,306	-
Municipal bonds	551,016	-	551,016	-
Corporate bonds	26,186,899	-	26,186,899	-
Asset-backed securities	4,406,250	-	4,406,250	-
Commercial mortgage-backed securities	1,502,655	-	1,502,655	-
Non government backed collateralized mortgage obligations	658,353	-	658,353	-
Total Investments by Fair Value Level	<u>\$ 93,665,055</u>	<u>\$ -</u>	<u>\$ 93,665,055</u>	<u>\$ -</u>
<b>Investments Measured at the Net Asset Value (NAV)</b>				
U.S. TIPS index fund	\$ 10,428,399			
International equity index fund	94,416,865			
U.S. index funds	<u>142,676,797</u>			
Total Investments Measured at the NAV	<u>247,522,061</u>			
Securities lending collateral	<u>14,400,776</u>			
Total Investments	<u>\$ 355,587,892</u>			

## Notes to Financial Statements (continued)

Assets measured at fair value and net asset value at June 30, 2017 are as follows:

Investments by Fair Value Level	6/30/2017	Fair Value Measurements Using		
		Quoted Prices in		
		Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
<b>Cash Equivalents by Fair Value Level</b>				
Short-term investment fund	\$ 5,968,349	\$ -	\$ 5,968,349	\$ -
<b>Investments by Fair Value Level</b>				
U.S. Treasury notes/bonds	\$ 39,015,245	\$ -	\$ 39,015,245	\$ -
Government agencies	75,507	-	75,507	-
Government mortgage-backed securities	23,279,385	-	23,279,385	-
Foreign bonds	328,187	-	328,187	-
Municipal bonds	561,672	-	561,672	-
Corporate bonds	23,497,558	-	23,497,558	-
Asset-backed securities	4,833,024	-	4,833,024	-
Commercial mortgage-backed securities	2,193,400	-	2,193,400	-
Non government backed collateralized mortgage obligations	857,931	-	857,931	-
Total Investments by Fair Value Level	\$ 94,641,909	\$ -	\$ 94,641,909	\$ -
<b>Investments Measured at the Net Asset Value (NAV)</b>				
U.S. TIPS index fund	\$ 10,189,339			
International equity index fund	88,573,229			
U.S. equity index funds	131,886,451			
Total Investments Measured at the NAV	230,649,019			
Securities lending collateral	16,330,922			
Total Investments	\$ 341,621,850			

There have been no significant changes in valuation techniques during the fiscal years ended June 30, 2018 and 2017.

Certain investments that do not have a readily determinable fair value are measured at NAV (or its equivalent), such as member units or an ownership interest. NAV per share is calculated as of the System's year-end in a manner consistent with the Financial Accounting Standards Board's measurement principles for investment companies. The valuation method for investments measured at the NAV per share (or its equivalent) is presented in the table below.

Investments Measured at the Net Asset Value	6/30/2018	6/30/2017	Redemption Frequency	Redemption Notice Period
U.S. TIPS index fund (1)	\$ 10,428,399	\$ 10,189,339	Daily	2 days
International equity index fund (2)	94,416,865	88,573,229	Daily	2 days
U.S. equity index funds (3)	142,676,797	131,886,451	Daily	1 day
	\$ 247,522,061	\$ 230,649,019		

<sup>(1)</sup> **U.S. TIPS index fund** – The US Treasury Inflation Protected Securities fund is an index fund that establishes an objective of delivering investment performance approximating the rate of return for outstanding US Treasury inflation protected securities with a maturity of one year or greater. The investment is valued at the net asset value of units held at the end of the period based upon the fair value of the underlying investments.

<sup>(2)</sup> **International Equity Index Fund** – The International equity fund consists of an index fund that is designed to track various segments of non-US equity markets. That index fund is the ACWI ex-US Index Fund. The index fund is invested and reinvested in portfolios of non-US

## Notes to Financial Statements (continued)

developed and emerging markets equity securities, with the objective of approximating the capitalization-weighted return of each respective market segment for publicly traded equity securities. The investment is valued at the net asset value of units held at the end of the period based upon the fair value of the underlying investments.

<sup>(3)</sup> **U.S. Equity Index Funds** – The US equity funds consist of index funds that are designed to track various segments of US equity markets. Those index funds include the Russell 1000 Index Fund and the Russell 2000 Index Fund. The index funds are invested and reinvested in portfolios of US equity securities, with the objective of approximating the capitalization-weighted return of each respective market segment for publicly traded equity securities. The investment is valued at the net asset value of units held at the end of the period based upon the fair value of the underlying investments.

The System had no unfunded commitments related to investments measured at NAV as of June 30, 2018 and 2017.

### (6) Net Pension Asset, Net OPEB Asset and Actuarial Information

#### (a) Net Pension Asset and Net OPEB Asset

The components of the net pension asset of the employer at June 30 were as follows:

	2018	2017
Total pension liability	\$ 290,379,164	\$ 282,837,412
Plan fiduciary net position	\$ 334,896,669	\$ 318,262,645
Employer's net pension asset	\$ (44,517,505)	\$ (35,425,233)
Plan fiduciary net position as a percentage of the total pension liability	115.33%	112.52%

The components of the net OPEB asset of the employer at June 30 were as follows:

	2018	2017
Total OPEB liability	\$ 2,724,325	\$ 2,699,494
OPEB plan fiduciary net position	\$ 3,138,717	\$ 2,891,232
Employer's net OPEB asset	\$ (414,392)	\$ (191,738)
Plan fiduciary net position as a percentage of the total OPEB liability	115.21%	107.10%

#### (b) Actuarial Methods and Assumptions

The total pension liability and total OPEB liability as of June 30, 2018 and 2017, were determined based on actuarial valuations prepared as of July 1, 2018 and July 1, 2017, using the following actuarial assumptions:

- Salary increases – 3.75% per year, including inflation
- Post-retirement benefit increases – No increases assumed
- Investment return – 7.00%, compounded annually net of investment expense, and including inflation
- Assumed inflation rate – 2.75%
- Payroll growth – 3.5% per year
- Actuarial cost method—Entry age
- Mortality Rates – RP-2014 Blue Collar Active/Retiree Healthy Mortality Table with base rates projected to 2025 using scale MP-2016, set back one year

## Notes to Financial Statements (continued)

The actuarial assumptions used in the July 1, 2018 and July 1, 2017 valuations are based on the results of the most recent actuarial experience study, which covered the three-year period ending June 30, 2016. The experience study report is dated April 13, 2017.

The long-term expected rate of return on pension plan investments and OPEB plan investments was determined using a log-normal distribution analysis 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. The HISP represents a subsidy that is capped at \$105 per month per retiree.

The target asset allocation and best estimates of geometric real rates of return for each major asset class as of June 30, 2018 and 2017, are summarized in the following table:

Asset Class	Target Allocation	Long-Term Expected Real Rate of Return
U.S. Large Cap Equity	38.0%	5.3%
U.S. Small Cap Equity	6.0%	5.6%
U.S. Fixed Income	25.0%	0.7%
International Stock	18.0%	5.6%
Emerging Market Stock	6.0%	6.4%
TIPS	3.5%	0.7%
Rate Anticipation	3.5%	1.5%
Total	100.0%	

**(c) Discount rate.**

The discount rate used to measure the total pension liability and the total OPEB liability was 7.00% for 2018 and 2017. The projection of cash flows used to determine the discount rate assumed that contributions from plan members and the employer will be made at the current contribution rate as set out in state statute. Based on those assumptions, the pension plan's fiduciary net position and the OPEB plan's fiduciary net position were to be available to make all projected future benefit payments of current System members. Therefore, the long-term expected rate of return on pension plan and OPEB plan investments was applied to all periods of projected benefit payments to determine the total pension liability and total OPEB liability. The discount rate determined does not use a municipal bond rate.

**Sensitivity of the net pension asset and the net OPEB asset to changes in the discount rate**

The following presents the net pension liability or asset of the employer calculated using the discount rate of 7.00% for 2018 and 2017, as well as what the System's net pension liability or asset 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:

	June 30, 2018			June 30, 2017		
	1% Decrease (6.00%)	Current Discount Rate (7.00%)	1% Increase (8.00%)	1% Decrease (6.00%)	Current Discount Rate (7.00%)	1% Increase (8.00%)
Net pension asset	\$ (17,603,364)	\$ (44,517,505)	\$ (67,901,821)	\$ (8,889,782)	\$ (35,425,233)	\$ (58,456,825)

The following presents the net HISP liability or asset of the employer calculated using the discount rate of 7.00% for 2018 and 2017, as well as what the System's net HISP liability or asset 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:

## Notes to Financial Statements (continued)

	June 30, 2018			June 30, 2017		
	1% Decrease (6.00%)	Current Discount Rate (7.00%)	1% Increase (8.00%)	1% Decrease (6.00%)	Current Discount Rate (7.00%)	1% Increase (8.00%)
Net HISP liability (asset)	\$ (188,240)	\$ (414,392)	\$ (613,498)	\$ 34,375	\$ (191,738)	\$ (390,624)

Due to the structure of the HISP, healthcare cost trend rate sensitivity analysis is not meaningful.

### (7) Federal Income Tax Status

Pursuant to a determination by the IRS, the System is qualified under the Internal Revenue Code of 1986, as amended and, therefore, is exempt from federal income taxes. The latest determination letter is dated October 28, 2014 and was a favorable determination for the Uniform Retirement System for Justices and Judges. The System has been amended since receiving the determination letter; however, the System administrator believes that the System is designed and is currently being operated in substantial compliance with the applicable requirements of the Internal Revenue Code and will retain its status as a qualified plan.

### (8) New Accounting Pronouncements

The following GASB statements were implemented during the fiscal year:

For the fiscal year ended June 30, 2018, the System assisted employers of the State in their implementation of GASB Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions*. GASB 75 requires employers to provide additional information regarding OPEB in their financial statements.

GASB Statement No. 81, *Irrevocable Split-Interest Agreements* provides additional accounting and financial reporting information for circumstances when a government is a beneficiary or and administrator of such agreements. This statement had no effect on the System.

GASB Statement No. 85, *Omnibus 2017* addresses practice issues identified in the implementation and application of existing GASB Statements. The issues involve certain situations involving blending component units, goodwill, fair value measurement and application, pensions and OPEB.

GASB Statement No. 86, *Certain Debt Extinguishment Issues* improves consistency in accounting and financial reporting for in-substance defeasance of debt by providing guidance for transactions in which cash and other monetary assets acquired only with existing resources – resources other than the proceeds of refunding debt – are placed in an irrevocable trust for the sole purpose of extinguishing debt. This statement had no effect on the System.

In addition, the following accounting pronouncements have been issued by the GASB, but not yet adopted:

#### Fiscal Year Ended June 30, 2019:

GASB Statement No. 83, *Asset Retirement Obligations*, will require a liability to be recognized if a government is subjected to a law, regulation, court judgment or similar requiring a liability, or funding of a liability. It is unlikely the provisions of the Standard apply to the System.

GASB Statement No. 88, *Certain Disclosures Related to Debt, including Direct Borrowings and Direct Placements* redefines the word 'debt' for disclosure purposes and requires recognition of direct borrowings and direct placements. It is unlikely the provisions of the Standard will have a material effect on the System's current disclosure.

## Notes to Financial Statements (continued)

Fiscal Year Ended June 30, 2020 (and beyond):

GASB Statement No. 84, *Fiduciary Activities*, clarifies fiduciary relationships and reporting. The System is analyzing the effect of this Statement.

GASB Statement No. 87, *Leases*, changes reporting of nearly all leasing arrangements for lessors and lessees. The System is analyzing the effect of this Statement.

GASB Statement No. 89, *Accounting for Interest Cost before the End of a Construction Period*, removes the GAAP related to capitalization of interest costs. The Standard will likely not apply as the System has not issued in the past, and currently does not issue debt for construction of capital assets.

GASB Statement No. 90, *Majority Equity Interests*, clarifies reporting of when a government has a majority equity position in another entity, which may result in the equity method of reporting or a component unit relationship. The System has analyzed this Statement and determined it not applicable.

## Required Supplementary Information

(Unaudited)

June 30, 2018

### Schedule 1

#### Schedule of Changes in the Net Pension Asset (\$ in Thousands)

Year Ended June 30,	2018	2017	2016	2015	2014
<b>Total Pension Liability</b>					
Service cost	\$ 8,897	\$ 10,085	\$ 9,689	\$ 9,602	\$ 9,489
Interest	19,162	19,229	19,341	18,812	18,529
Difference between expected and actual experience	(2,004)	(6,664)	(7,480)	(4,598)	(7,597)
Changes of assumptions	-	3,979	5,843	-	(1,046)
Benefit payments	(18,461)	(17,648)	(17,198)	(16,093)	(14,939)
Refunds of contributions	(52)	(89)	(161)	(111)	(57)
<b>Net change in total pension liability</b>	<b>7,542</b>	<b>8,892</b>	<b>10,034</b>	<b>7,612</b>	<b>4,379</b>
<b>Total pension liability - beginning</b>	<b>282,838</b>	<b>276,434</b>	<b>266,400</b>	<b>258,788</b>	<b>254,409</b>
<b>Adoption of GASB 74</b>	<b>-</b>	<b>(2,488)</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total pension liability - ending (a)</b>	<b>\$ 290,380</b>	<b>\$ 282,838</b>	<b>\$ 276,434</b>	<b>\$ 266,400</b>	<b>\$ 258,788</b>
<b>Plan Fiduciary Net Position</b>					
Contributions - employer	\$ 6,504	\$ 6,013	\$ 5,832	\$ 5,295	\$ 4,611
Contributions - member	2,608	2,664	2,666	2,706	2,544
Net investment income	26,189	36,312	1,441	8,174	46,212
Benefit payments	(18,461)	(17,648)	(17,198)	(16,093)	(14,939)
Administrative expense	(154)	(153)	(149)	(144)	(132)
Refunds of contributions	(52)	(89)	(161)	(111)	(57)
<b>Net change in plan fiduciary net position</b>	<b>16,634</b>	<b>27,099</b>	<b>(7,569)</b>	<b>(173)</b>	<b>38,239</b>
<b>Plan fiduciary net position - beginning</b>	<b>318,263</b>	<b>293,727</b>	<b>301,296</b>	<b>301,469</b>	<b>263,231</b>
<b>Adoption of GASB 74</b>	<b>-</b>	<b>(2,563)</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Plan fiduciary net position - ending (b)</b>	<b>334,897</b>	<b>318,263</b>	<b>293,727</b>	<b>301,296</b>	<b>301,470</b>
<b>Net pension asset - ending (a) - (b)</b>	<b>\$ (44,517)</b>	<b>\$ (35,425)</b>	<b>\$ (17,293)</b>	<b>\$ (34,896)</b>	<b>\$ (42,682)</b>

#### Schedule of the Net Pension Asset (\$ in Thousands)

Year Ended June 30,	2018	2017	2016	2015	2014
Total pension liability	\$ 290,380	\$ 282,838	\$ 276,434	\$ 266,400	\$ 258,788
Plan fiduciary net position	334,897	318,263	293,727	301,296	301,470
Net pension asset	\$ (44,517)	\$ (35,425)	\$ (17,293)	\$ (34,896)	\$ (42,682)
total					
pension liability	115.33%	112.52%	106.26%	113.10%	116.49%
Covered payroll	\$ 33,359	\$ 34,811	\$ 34,537	\$ 34,282	\$ 34,326
Net pension asset as a % of covered payroll	-133.45%	-101.76%	-50.07%	-101.79%	-124.34%

This schedule is presented to illustrate the requirement to show information for 10 years. However, until a full 10-year trend is compiled, the information included is for those years for which information is available.

\*2016 and prior columns have not been restated for the effect of the adoption of GASB Statement No. 74

Discount Rate as of 2018 and 2017 was 7.00%

## Required Supplementary Information

### Schedule of Pension Employer Contributions (\$ in Thousands)

(Unaudited)

June 30, 2018

#### Schedule 2

Year Ended June 30,	2018	2017	2016	2015	2014
Actuarially determined employer contribution	\$ 1,638	\$ 3,626	\$ 3,454	\$ 4,897	\$ 7,215
Actual employer contributions	6,504	6,013	5,832	5,295	4,611
Annual contribution deficiency (excess)	\$ (4,866)	\$ (2,387)	\$ (2,378)	\$ (398)	\$ 2,604
Covered payroll	\$ 33,359	\$ 34,811	\$ 34,537	\$ 34,282	\$ 34,325
Actual contributions as a % of covered payroll	19.50%	17.27%	16.89%	15.45%	13.43%

\* Covered payroll beginning in 2017 is for the defined benefit plan members only. Note: 2017 was the first year to exclude the health insurance subsidy.

This schedule is presented to illustrate the requirement to show information for 10 years. However, until a full 10-year trend is compiled, the information included is for those years for which information is available.

#### Notes to Schedule

Valuation date:

Actuarially determined contributions are calculated as of the beginning of the fiscal year in which contributions are reported

Methods and assumptions used to determine contribution rates:

Actuarial cost method	Entry age
Amortization method	Level percentage of payroll, closed
Remaining amortization period	9 years
Asset valuation method	5-year smoothed market
Inflation	2.75% for 2018 and 2017, 3.00% for 2016 and 2015
Salary increase	3.75% for 2018 and 2017, 5.00% for 2016 and 2015, including inflation
Investment rate of return	7.00% for 2018 and 2017, 7.25% for 2016 and 7.50% for 2015, compounded annually, net of investment expense and including inflation
Retirement age	Age 67 with eight years of judicial service or age 62 with 10 years of judicial service for judges taking office on or after January 1, 2012. Age 65 with eight years of judicial service or age 60 with 10 years of judicial service for judges taking office prior to January 1, 2012.
Mortality	For 2018 and 2017, active participants and nondisabled pensioners – RP-2014 Mortality Table projected to 2025 by Scale MP-2016 (disabled pensioners set forward 12 years). For 2016 and 2015, RP-2000 Combined Active/Retired Healthy Mortality Table projected to 2010, set back one year

## Required Supplementary Information

### Schedule of Money-Weighted Rate of Return on Pension Plan Investments

(Unaudited)

June 30, 2018

#### Schedule 3

Annual money-weighted rate of return, net of investment expense	
Year ended June 30, 2018	8.35%
Year ended June 30, 2017	12.68%
Year ended June 30, 2016	0.49%
Year ended June 30, 2015	2.75%
Year ended June 30, 2014	17.83%

This schedule is presented to illustrate the requirement to show information for 10 years. However, until a full 10-year trend is compiled, the information included is for those years for which information is available.

## Required Supplementary Information

(Unaudited)

June 30, 2018

### Schedule 4

#### Schedule of Changes in the Net HISP Asset (\$ in Thousands)

Year Ended June 30,	2018	2017
<b>Total HISP Liability</b>		
Service cost	\$ 112	\$ 122
Interest	183	174
Difference between expected and actual experience	(88)	(13)
Changes of assumptions	-	107
Benefit payments	(182)	(179)
<b>Net change in total HISP liability</b>	25	211
<b>Total HISP liability - beginning</b>	2,699	2,488
<b>Total HISP liability - ending (a)</b>	\$ 2,724	\$ 2,699
<b>Plan Fiduciary Net Position</b>		
Contributions - employer	\$ 180	\$ 178
Net investment income	251	330
Benefit payments	(182)	(179)
Administrative expense	(1)	(1)
<b>Net change in plan fiduciary net position</b>	248	328
<b>Plan fiduciary net position - beginning</b>	2,891	2,563
<b>Plan fiduciary net position - ending (b)</b>	3,139	2,891
<b>Net HISP asset - ending (a) - (b)</b>	\$ (415)	\$ (192)

#### Schedule of the Net HISP Asset (\$ in Thousands)

Year Ended June 30,	2018	2017
Total HISP liability	\$ 2,724	\$ 2,699
Plan fiduciary net position	3,139	2,891
Net HISP asset	\$ (415)	\$ (192)
Ratio of plan fiduciary net position to total HISP liability	115.21%	107.10%
Covered payroll*	N/A	N/A
Net HISP asset as a percentage of covered payroll	N/A	N/A

\*Covered Payroll is not meaningful to formulate a ratio of net HISP liability as a percentage of covered payroll. Contributions are only received from employers.

Discount Rate as of June 30, 2018 and 2017 was 7.00%

This schedule is presented to illustrate the requirement to show information for 10 years. However, until a full 10-year trend is compiled, the information included is for those years for which information is available.

## Required Supplementary Information

### Schedule of HISP Employer Contributions (\$ in Thousands)

(Unaudited)

June 30, 2018

#### Schedule 5

Year Ended June 30,	2018	2017
Actuarially determined employer contribution	\$ 15	\$ 35
Actual employer contributions	180	178
Annual contribution deficiency (excess)	\$ (165)	\$ (143)
Covered payroll*	N/A	N/A
Actual contributions as a % of covered payroll	N/A	N/A

\*Covered Payroll is not meaningful to formulate a ratio of net HISP liability as a percentage of covered payroll. Contributions are only received from employers.

This schedule is presented to illustrate the requirement to show information for 10 years. However, until a full 10-year trend is compiled, the information included is for those years for which information is available.

#### Notes to Schedule

Valuation date:

Actuarially determined contributions are calculated as of the beginning of the fiscal year in which contributions are reported

Methods and assumptions used to determine contribution rates:

Actuarial cost method	Entry age
Amortization method	Level percentage of payroll, closed
Remaining amortization period	9 years
Asset valuation method	5-year smoothed market
Inflation	2.75%
Salary increase	3.75%, including inflation
Investment rate of return	7.00%, compounded annually, net of investment expense and including inflation
Retirement age	Age 67 with eight years of judicial service or age 62 with 10 years of judicial service for judges taking office on or after January 1, 2012. Age 65 with eight years of judicial service or age 60 with 10 years of judicial service for judges taking office prior to January 1, 2012.

## Required Supplementary Information

### Schedule of Money-Weighted Rate of Return on HISP Investments

(Unaudited)

June 30, 2018

#### Schedule 6

Annual money-weighted rate of return, net of investment expense	
Year ended June 30, 2018	8.68%
Year ended June 30, 2017	12.89%

## Supplementary Information

### Schedule of Investment Expenses

Year Ended June 30, 2018 and 2017

#### Schedule 7

	2018	2017
<b>Investment management fees</b>		
Fixed Income Managers:		
BlackRock Financial Management, Inc.	\$ 40,319	\$ 39,949
Hoisington Investment Management	15,671	15,530
Metropolitan West Asset Management, LLC	27,867	13,873
U.S. Equity Managers:		
BlackRock Institutional Trust Company, N.A.	16,378	15,870
International Equity Managers:		
BlackRock Institutional Trust Company, N.A.	40,892	35,453
Total investment management fees	141,127	120,675
<b>Investment consultant fees</b>		
Verus Advisory, Inc.	7,161	7,019
<b>Investment custodial fees</b>		
Northern Trust Company	1,345	1,087
<b>Other investment related expenses</b>	5,582	4,936
Total investment expenses	\$ 155,215	\$ 133,717

## Supplementary Information

### Schedule of Administrative Expenses

Year Ended June 30, 2018 and 2017

#### Schedule 8

	2018	2017
Professional / consultant services	\$ 8,623	\$ 10,183
Allocated administrative expenses (see note below)	147,043	144,476
	<u>\$ 155,666</u>	<u>\$ 154,659</u>

#### Note to Schedule of Administrative Expenses

Administrative overhead expenses, including personnel and other supporting services costs, which are paid for by the Oklahoma Public Employees Retirement System (OPERS), are allocated to the Uniform Retirement System for Justices and Judges and two other retirement funds also administered by OPERS. The allocation is based on OPERS' estimate of the cost of service provided by the Plan to all the funds it administers.

## Supplementary Information

### Schedule of Professional/Consultant Fees

Years Ended June 30, 2018 and 2017

#### Schedule 9

		2018	2017
Professional/Consultant	Service		
Cavanaugh Macdonald Consulting, Inc.	Actuarial	\$ 2,294	\$ 3,615
McGladrey LLP / RSM	External Auditor	-	2,507
Eide Bailly LLP	External Auditor	1,788	-
Arledge & Associates	External Auditor	901	376
Finley & Cook, PLLC	Internal Auditor	3,640	3,685
		\$ 8,623	\$ 10,183



**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  
Uniform Retirement System for Justices and Judges  
Oklahoma City, Oklahoma

We have audited, 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, the financial statements of Uniform Retirement System for Justices and Judges (the System), which comprise the statements of fiduciary net position as of June 30, 2018, and the related statements of changes in fiduciary net position for the year then ended, and the related notes to the financial statements, and have issued our report thereon dated October 12, 2018.

**Internal Control over Financial Reporting**

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

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

Our consideration of internal control 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 over financial reporting that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

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**Compliance and Other Matters**

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

**Purpose of this Report**

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the result of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

A handwritten signature in black ink that reads "Eide Bailly LLP". The signature is written in a cursive, flowing style.

Oklahoma City, Oklahoma  
October 12, 2018