

**State Employees' Retirement System
of the State of Illinois**

Auditor's Report and Financial Audit

For the Year Ended June 30, 2015

Performed as Special Assistant Auditors for
the Auditor General, State of Illinois



**State Employees' Retirement System
of the State of Illinois**

Financial Audit

For the Year Ended June 30, 2015

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State Employees' Retirement System of the State of Illinois

June 30, 2015

System Officials

Executive Secretary
Accounting Division Manager
Internal Auditor

Timothy B. Blair
Alan Fowler, CPA
Casey Evans (effective 10/1/14 – Present)

Office Locations

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State Employees' Retirement System of the State of Illinois

Financial Statement Report Summary For the Year Ended June 30, 2015

Summary

The audit of the accompanying financial statements of the State Employees' Retirement System of the State of Illinois ("System") was performed by **BKD, LLP**.

Based on their audit and the report of other auditors, the auditors expressed an unmodified opinion on the System's basic financial statements.

Summary of Findings

The auditors identified matters involving the System's internal control over financial reporting that they considered to be significant deficiencies. The significant deficiencies are described in the accompanying Schedule of Findings on pages 38-41 of this report as items 2015-001, *Noncompliance with the Fiscal Control and Internal Auditing Act* and 2015-002 *Controls over Census Data*.

Exit Conference

System management waived a formal exit conference in correspondence dated November 20, 2015. The responses to the recommendations were provided by Alan Fowler, Accounting Division Manager, in correspondence dated December 1, 2015.

Independent Auditor's Report

The Honorable William G. Holland
Auditor General
State of Illinois
and
Board of Trustees
State Employees' Retirement System of the State of Illinois

Report on the Financial Statements

As Special Assistant Auditors for the Auditor General, we have audited the accompanying financial statements of the State Employees' Retirement System of the State of Illinois (System), as of and for the years ended June 30, 2015 and 2014, and the related notes to the financial statements, which collectively comprise the System's basic financial statements as listed in the table of contents.

Management's Responsibility for the Financial Statements

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

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We did not audit the 2015 and 2014 financial statements of the Illinois State Board of Investment, an internal investment pool of the State of Illinois, which statements represent 98 percent, 98 percent, and 25 percent, respectively in 2015 and 97 percent, 98 percent, and 52 percent, respectively in 2014 of total assets, net position restricted for pension benefits, and total additions of the System. Those financial statements were audited by other auditors whose report thereon has been furnished to us, and our opinion, insofar as it relates to the amounts included for the Illinois State Board of Investment is based solely on the report of the other auditors. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. 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 System'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 System'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 opinions.

Opinions

In our opinion, based on our audit and the report of other auditors, the financial statements referred to above present fairly, in all material respects, the fiduciary net position of the System as of June 30, 2015 and 2014, and the respective changes in fiduciary net position for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Emphasis of Matter

As discussed in Note 6, the System is significantly underfunded which raises doubts about the financial solvency of the System if there is a significant market downturn. 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, the schedule of changes in the State's net pension liability and related ratios, the schedule of investment returns, the schedule of state contributions, and notes to schedule of state contributions listed in the table of contents be presented to supplement the basic financial statements. Such information, although not 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. The supplementary financial information as listed in the table of contents is presented for purposes of additional analysis and is not a required part of the basic financial statements.

Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The supplementary financial information as listed in the table of contents 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 by us and other auditors. In our opinion, the supplementary financial information as listed in the table of contents 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 December 18 2015 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 the 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.

BKD, LLP

Decatur, Illinois
December 18, 2015

This financial report is designed to provide a general overview of the State Employees' Retirement System's finances for all those with an interest in the System's finances.

This section presents management's discussion and analysis of the financial position and performance of the State Employees' Retirement Systems of Illinois (System) for the years ended June 30, 2015 and June 30, 2014. It is presented as a narrative overview and analysis.

The System is a defined benefit, single-employer public employee retirement system. It provides services to approximately 63,300 active state employees and 68,000 benefit recipients. Throughout this discussion and analysis units of measure (i.e. billions, millions, thousands) are approximate, being rounded up or down to the nearest tenth of the respective unit value.

OVERVIEW OF THE FINANCIAL STATEMENTS

This discussion and analysis is intended to serve as an introduction to the System's financial reporting which is comprised of the following components:

1. Basic Financial Statements. For the fiscal years ended June 30, 2015 and June 30, 2014, basic financial statements are presented for the System. This information presents the fiduciary net position restricted for pensions for the System as of June 30, 2015 and 2014. This financial information also summarizes the changes in fiduciary net position restricted for pensions for the year then ended.

2. Notes to the Financial Statements. The notes to the Financial Statements provide additional information that is essential to achieve a full understanding of the data provided in the basic financial statements.

3. Required Supplementary Information. The required supplementary information consists of three schedules and related notes concerning actuarial information, funded status, investment returns and actuarially determined contributions.

4. Other Supplementary Schedules. Other schedules include more detailed information pertaining to the System, including schedules of revenues by source, cash receipts and disbursements, and payments to consultants.

FINANCIAL HIGHLIGHTS

- The fiduciary net position increased by \$677.3 million and \$2.2 billion during fiscal years 2015 and 2014, respectively. The change was primarily due to an increase of \$680.8 million and \$2.1 billion (excluding securities lending collateral), in the System's investments for fiscal years 2015 and 2014.
- The System was actuarially funded at 35.3% as of June 30, 2015, compared to 35.0% as of June 30, 2014.
- The overall rate of return for the Illinois State Board of Investment (ISBI) Commingled Fund was 4.7% for fiscal year 2015, compared to 17.9% for fiscal year 2014. The System's annual money weighted rate of return on its investment in the ISBI Commingled Fund was 4.79% for fiscal year 2015 compared to 17.9% for fiscal year 2014.

FIDUCIARY NET POSITION

The condensed Statements of Fiduciary Net Position reflect the resources available to pay benefits to members, including retirees and beneficiaries, at the end of the years reported. A summary of the System's Fiduciary Net Position is presented below.

Condensed Statements of Fiduciary Net Position
(in millions)

	As of June 30			Increase/(Decrease)	
	2015	2014	2013	2014 to 2015	2013 to 2014
Cash	\$ 170.6	\$ 200.8	\$ 146.4	\$ (30.2)	\$ 54.4
Receivables	128.8	101.4	145.4	27.4	(44.0)
Investments, at fair value *	15,032.0	14,370.5	12,289.6	661.5	2,080.9
Capital Assets, net	5.3	4.1	2.8	1.2	1.3
Total assets	15,336.7	14,676.8	12,584.2	659.9	2,092.6
Liabilities *	77.8	95.2	183.9	(17.4)	(88.7)
Total fiduciary net position	<u>\$15,258.9</u>	<u>\$ 14,581.6</u>	<u>\$12,400.3</u>	<u>\$ 677.3</u>	<u>\$ 2,181.3</u>

* Including securities lending collateral

ADDITIONS TO FIDUCIARY NET POSITION

Additions to Fiduciary Net Position include employer and participant contributions and net income from investment activities. Participant contributions were approximately \$266 million and \$269 million for the years ended June 30, 2015 and June 30, 2014, respectively. Participant contribution rates are set by statute as a percentage of gross salary. Employer contributions increased to approximately \$1,804 million in 2015 from \$1,699 million in 2014.

DEDUCTIONS FROM FIDUCIARY NET POSITION

Deductions from Fiduciary Net Position are primarily benefit payments. During 2015 and 2014, the System paid out approximately \$2,058.0 million and \$1,940.1 million, respectively, in benefits and refunds, an increase of approximately 6%. These higher payments were mainly due to a scheduled 3% increase in retirement and other benefit payments, and a 2% increase in beneficiaries. The administrative costs of the System represented approximately 1% of total deductions in both 2015 and 2014.

FUNDED RATIO

The funded ratio of the plan measures the ratio of the fiduciary net position against actuarially determined liabilities and is one indicator of the fiscal strength of a pension fund's ability to meet obligations to its members. An annual actuarial valuation is performed. The most recent available valuation showed the funded status of the System was 35.27% on June 30, 2015 compared to 34.98% on June 30, 2014. The amount by which actuarially determined liabilities exceeded the fiduciary net position was \$28.0 billion at June 30, 2015 compared to \$27.1 billion at June 30, 2014.

INVESTMENTS

Investments of the System are combined in a commingled investment pool with the Judges' Retirement System, the General Assembly Retirement System and one other State agency. The investments of this other state agency are immaterial to the total commingled investment pool. Each participating entity owns an equity position in the pool and receives proportionate investment income from the pool in accordance with respective ownership percentage. Investment gains or losses are reported in the Statement of Changes in Net Position of each retirement system.

The net investment gain for the System totaled approximately \$681.4 million during fiscal year 2015, versus a net investment gain of \$2,169.3 million during fiscal year 2014, resulting in returns of 4.7% and 17.9%, respectively. For the three, five, and ten year period ended June 30, 2015, the ISBI Commingled Fund earned a compounded rate of return of 12.1%, 11.4%, and 6.2%, respectively.

The ISBI is exposed to general market risk. This general market risk is reflected in asset valuations fluctuating with market volatility. Any impact from market volatility on the ISBI's investment portfolio depends in large measure on how deep the market downturn is, how long it lasts, and how it fits within fiscal year reporting periods. The resulting market risk and associated realized and unrealized gains and losses could significantly impact the ISBI's financial condition.

Questions concerning any of the information provided in this report or requests for additional financial information should be addressed to the State Employees' Retirement System of Illinois, Accounting Division, 2101 S. Veterans Parkway, P. O. Box 19255, Springfield, Illinois 62794

CHANGES IN FIDUCIARY NET POSITION

The condensed Statements of Changes in Fiduciary Net Position reflect the changes in the resources available to pay benefits to members, including retirees and beneficiaries.

Condensed Statements of Changes in Fiduciary Net Position
(In millions)

	For the Year Ended June 30			Increase/(Decrease)	
	2015	2014	2013	2015	2014
Additions					
Participant contributions	\$ 266.1	\$ 269.2	\$ 248.2	\$ (3.1)	\$ 21.0
Employer contributions	1,804.3	1,699.5	1,531.9	104.8	167.6
Investment income/(loss)	681.4	2,169.3	1,501.2	(1,487.9)	668.1
Total additions/(deductions)	<u>2,751.8</u>	<u>4,138.0</u>	<u>3,281.3</u>	<u>(1,386.2)</u>	<u>856.7</u>
Deductions					
Benefits	2,034.9	1,917.0	1,800.0	117.9	117.0
Refunds	23.1	23.1	24.3	-	(1.2)
Administrative expenses	16.5	16.6	17.4	(0.1)	(.8)
Total deductions	<u>2,074.5</u>	<u>1,956.7</u>	<u>1,841.7</u>	<u>117.8</u>	<u>115.0</u>
Net increase/(decrease) in fiduciary net position	<u>\$ 677.3</u>	<u>\$ 2,181.3</u>	<u>\$ 1,439.6</u>	<u>\$(1,504.0)</u>	<u>\$ 741.7</u>

LEGISLATIVE

Public Act 98-0599 ("The Act") was signed by the Governor on December 5, 2013. The Act amended the Illinois Pension Code, and was effective June 1, 2014. The Act applied to all active, inactive and retired Tier 1 members. Tier 2 members were not affected.

The Act's goal was to stabilize retirement system finances and eliminate the retirement system's unfunded liability by 2045. The Act reduced the annual pension adjustments for current and future retirees and required the skipping of a certain number of the annual pension adjustments for future annuitants retiring on or after July 1, 2014.

The number of annual adjustments to be skipped was based on the future retiree's age at the time the Act became effective. In addition, the Act capped the pensionable salary amount and increased the retirement age on a graduated scale and created a new defined

contribution plan. The Act reduced the employee contribution toward retirement benefits by one percentage point. It provided a funding guarantee requiring the State to make the applicable employer contributions.

On January 2, 2014, a lawsuit was filed in Circuit Court which challenged the constitutionality of the new pension law. A court injunction was also issued in May 2014 to delay the implementation of the new pension law.

On November 21, 2014, the Circuit Court ruled that Public Act 98-0599 was unconstitutional and void in its entirety. The State filed an appeal of the ruling directly to the Supreme Court.

The Attorney General requested an expedited schedule for the state's appeal to the Illinois Supreme Court and the Court established that schedule. On March 11, 2015 oral arguments were presented to the Supreme Court.

On May 8, 2015 the Illinois Supreme Court affirmed the Sangamon County Circuit Court decision that this new pension law was unconstitutional and void and unenforceable in its entirety.

FINANCIAL STATEMENTS

STATE EMPLOYEES' RETIREMENT SYSTEM OF ILLINOIS

Statements of Fiduciary Net Position
June 30, 2015 and 2014

	2015	2014
Assets		
Cash	\$ <u>170,646,589</u>	\$ <u>200,752,173</u>
Receivables:		
Contributions:		
Participants	14,152,324	17,207,484
Employing state agencies	109,810,082	79,511,794
Other accounts	<u>4,784,680</u>	<u>4,682,423</u>
Total Receivables	<u>128,747,086</u>	<u>101,401,701</u>
Investments - held in the Illinois State Board of Investment Commingled Fund at fair value	<u>14,967,254,053</u>	<u>14,286,499,013</u>
Securities lending collateral with State Treasurer	<u>64,779,000</u>	<u>84,013,000</u>
Capital Assets, net	5,272,553	4,122,801
Total Assets	<u>15,336,699,281</u>	<u>14,676,788,688</u>
Liabilities		
Benefits payable	5,847,397	5,106,425
Refunds payable	1,055,043	674,361
Administrative expenses payable	2,171,343	1,714,067
Participants' deferred service credit accounts	266,753	118,146
Due to the State of Illinois	3,713,173	3,596,448
Securities lending collateral	<u>64,779,000</u>	<u>84,013,000</u>
Total Liabilities	<u>77,832,709</u>	<u>95,222,447</u>
Net position-restricted for pensions	<u>\$ 15,258,866,572</u>	<u>\$ 14,581,566,241</u>

See accompanying notes to financial statements.

FINANCIAL STATEMENTS

STATE EMPLOYEES' RETIREMENT SYSTEM OF ILLINOIS

Statements of Changes in Fiduciary Net Position
for the Years Ended June 30, 2015 and 2014

	2015	2014
Additions:		
Contributions:		
Participants	\$ 266,139,156	\$ 269,232,241
Employing state agencies and appropriations	1,804,319,356	1,699,447,826
Total Contributions	<u>2,070,458,512</u>	<u>1,968,680,067</u>
Investment income:		
Net appreciation in fair value of investments	240,297,223	1,809,958,589
Interest and dividends	480,283,398	396,793,756
Less investment expense, other than from securities lending	<u>(42,184,943)</u>	<u>(40,473,085)</u>
Net income from investing, other than from securities lending	<u>678,395,678</u>	<u>2,166,279,260</u>
Net income from securities lending	<u>2,981,374</u>	<u>3,066,998</u>
Net investment income	<u>681,377,052</u>	<u>2,169,346,258</u>
Total Additions	<u>2,751,835,564</u>	<u>4,138,026,325</u>
Deductions:		
Benefits:		
Retirement annuities	1,833,999,371	1,720,825,103
Survivor annuities	121,930,337	114,177,228
Disability benefits	63,929,747	64,782,236
Lump sum benefits	<u>14,998,980</u>	<u>17,278,072</u>
Total Benefits	<u>2,034,858,435</u>	<u>1,917,062,639</u>
Refunds (including transfers to reciprocating systems)	23,128,975	23,082,814
Administrative	<u>16,547,823</u>	<u>16,615,105</u>
Total Deductions	<u>2,074,535,233</u>	<u>1,956,760,558</u>
Net Increase/(Decrease)	<u>677,300,331</u>	<u>2,181,265,767</u>
Net position restricted for pensions		
Beginning of year	<u>14,581,566,241</u>	<u>12,400,300,474</u>
End of year	<u>\$15,258,866,572</u>	<u>\$ 14,581,566,241</u>

See accompanying notes to financial statements.

STATE EMPLOYEES' RETIREMENT SYSTEM OF ILLINOIS

Notes to Financial Statements June 30, 2015 and 2014

1. Reporting Entity

Generally accepted accounting principles require that the financial reporting entity include: 1) the primary government; 2) organizations for which the primary government is financially accountable; and 3) other organizations for which the nature and significance of their relationship with the primary government are such that exclusion would cause the reporting entity's financial statement to be misleading or incomplete.

The State Employees' Retirement System of Illinois (System) is administered by a Board of Trustees consisting of thirteen persons, which includes: a. the Comptroller, who shall be the Chairperson; b. six persons appointed by the Governor with the advice and consent of the Senate who may not be members of the system or hold an elective State office and

who shall serve for a term of 5 years, except that the terms of the initial appointees under the amendatory Act of the 96th General Assembly shall be as follows: 3 for a term of 3 years and 3 for a term of 5 years; c. four active participants of the System having at least 8 years of creditable service, to be elected from the contributing members of the System by the contributing members; and d. two annuitants of the System who have been annuitants for at least one full year, to be elected from and by the annuitants of the System.

Based on the criteria of the Governmental Accounting Standards Board Statement No. 61, there are no other state agencies, boards or commissions, or other organizations required to be combined with the System. However, the System is considered to be part of the State of Illinois financial reporting entity, and

is to be combined and included in the State of Illinois' comprehensive annual financial report.

Pursuant to federal tax laws and regulations governing the administration of public employee pension plans, the System has established a separate fund for the sole purpose of disbursing benefits in accordance with Section 415 of the Internal Revenue Code. For fiscal year 2015 and 2014, receipts were approximately \$451,500 and \$156,700, respectively. For fiscal year 2015 and 2014, disbursements were approximately \$340,900 and \$147,300, respectively.

Due to the immaterial nature of the separate fund, these receipts and disbursements have been included in the financial statements of the System.

At June 30, 2015 and 2014, the number of participating state agencies, boards and commissions totaled:

	2015	2014
State agencies	40	40
State boards and commissions	42	43
TOTAL	82	83

At June 30, 2015 and 2014, SERS membership consisted of:

Retirees and beneficiaries currently receiving benefits:

Retirement annuities	54,802	53,478
Survivors' annuities	10,889	10,819
Disability benefits	2,263	2,312
TOTAL	67,954	66,609

Inactive employees entitled to benefits, but not yet receiving them

	4,180	4,178
TOTAL	72,134	70,787

Current Employees:

Vested: Coordinated with Social Security	38,214	39,744
Noncoordinated	1,635	1,580
Nonvested: Coordinated with Social Security	22,706	20,443
Noncoordinated	718	1,077
TOTAL	63,273	62,844

Operation of the System and the direction of its policies are the responsibility of the Board of Trustees of the System.

2. Plan Description

The System is the administrator of a single-employer, defined benefit public employee retirement system (PERS) established and administered by the State of Illinois to provide pension benefits for its employees. The plan is comprised of two tiers of contribution requirements and benefit levels. The provisions below apply to both Tier 1 & 2 employees, except where noted. A summary of the plan provisions pertaining to eligibility and membership, contributions, and benefits are displayed in the table below:

a. Eligibility and Membership

Generally, anyone entering state service, except those in positions subject to membership in certain other state sponsored retirement systems, persons employed after June 30, 1979 as public service employment program participants under the Federal CETA program, and other exceptions as indicated in state law, become members of the System immediately.

Employees appointed by the Governor and requiring confirmation by the State of Illinois Senate may elect to become members of the System.

b. Employee Contributions

Participating members contribute specified percentages of their salaries for retirement annuities and survivors' annuities in accordance with Chapter 40, Section 5/14-133 of the Illinois Compiled Statutes (ILCS).

Contributions are excluded from gross income for Federal and State income tax purposes. The total contribution rate is 4% if the member is covered by Social Security and 8% if the member is not covered. Certain employment categories which are eligible for benefits under alternative formulas contribute at the rate of 8 1/2% or 12 1/2 % depending upon whether or not the employee is covered by Social Security. Participants' contributions are fully refundable, without interest, upon withdrawal from state employment.

Tier 1	Tier 2
No annual compensation limit on contributions.	Beginning on or after January 1, 2011, annual compensation on which contributions are taken cannot exceed \$106,800. This amount increases annually by 3% or one-half of the Consumer Price Index, whichever is less. The salary limits for calendar years 2015 and 2014 are \$111,572 and \$110,631, respectively.

c. Employer Contributions

The State of Illinois is obligated to make payment for the required departmental employer contributions, all allowances, annuities, any benefits granted under Chapter 40, Article 5/14 of the ILCS and all administrative expenses of the System to the extent specified in the ILCS. State law provides that the employer contribution rate be determined based upon the results of each annual actuarial valuation.

d. Retirement Annuity Benefits

The System is governed by Chapter 40, Article 5/14 of the ILCS. Vesting and benefit provisions of the System are defined in the ILCS. The retirement annuity is based on the member's final average compensation and the number of years of service credit that have been established. The retirement benefit formula available to general state employees is 1.67% for each year of covered service and 2.2% for each year of noncovered service. Alternative formula employees have a formula of 2.5% for covered service and 3.0% for noncovered service.

The maximum retirement annuity payable is 75% of final average compensation for regular employees and 80% for alternative formula employees. The minimum retirement annuity payable is \$15.00 for each year of covered employment and \$25.00 for each year of noncovered employment.

FINANCIAL STATEMENTS

Regular Formula Tier 1	Regular Formula Tier 2
<p>A member must have a minimum of eight years of service credit and may retire at:</p> <ul style="list-style-type: none"> • Age 60, with 8 years of service credit. • Any age, when the member's age (years & whole months) plus years of service credit (years & whole months) equal 85 years (1,020 months) (Rule of 85) with eight years of credited service. • Between ages 55-60 with 25-30 years of service credit (reduced 1/2 of 1% for each month under age 60). <p>The retirement benefit is based on final average compensation and credited service. Final average compensation is the 48 highest consecutive months of service within the last 120 months of service.</p> <p>Under the Rule of 85, a member is eligible for the first 3% increase on January 1 following the first full year of retirement, even if the member is not age 60. If the member retires at age 60 or older, he/she will receive a 3% pension increase every year on January 1, following the first full year of retirement.</p> <p>If the member retires before age 60 with a reduced retirement benefit, he/she will receive a 3% pension increase every January 1 after the member turns age 60 and has been retired at least one full year. These pension increases are not limited by the 75% maximum.</p>	<p>A member must have a minimum of 10 years of credited service and may retire at:</p> <ul style="list-style-type: none"> • Age 67, with 10 years of credited service. • Between ages 62-67 with 10 years of credited service (reduced 1/2 of 1% for each month under age 67). <p>The retirement benefit is based on final average compensation and credited service. For regular formula employees, final average compensation is the average of the 96 highest consecutive months of service within the last 120 months of service. The retirement benefit is calculated on a maximum salary of \$106,800. This amount increases annually by 3% or one-half of the Consumer Price Index, whichever is less.</p> <p>If the member retires at age 67 or older, he/she will receive a pension increase of 3% or one-half of the Consumer Price Index for the preceding calendar year, whichever is less, every year on January 1, following the first full year of retirement. The salary limits for calendar years 2015 and 2014 are \$111,572 and \$110,631, respectively.</p> <p>If the member retires before age 67 with a reduced retirement benefit, he/she will receive a pension increase of 3% or one-half of the Consumer Price Index for the preceding calendar year, whichever is less, every January 1 after the member turns age 67 and has been retired at least one full year. These pension increases are not limited by the 75% maximum.</p>
Alternative Formula Tier 1	Alternative Formula Tier 2
<p>Members eligible for the alternative formula may retire at age 50 with 25 years of service credit, or at age 55 with 20 years of service credit.</p> <p>Final average compensation is figured one of three ways:</p> <ul style="list-style-type: none"> • The average of the highest 48 consecutive months over the last 120 months of service (for members in service prior to January 1, 1998). • Average of last 48 months of service. • Final rate of pay: cannot exceed the average of the last 24 months of pay by 115%. <p>Alternative formula retirees receive their first 3% pension increase on January 1 following the first full year of retirement after age 55. These increases are not limited by the 80% maximum.</p>	<p>Members eligible for the alternative formula may retire at age 60 with 20 years of service.</p> <p>Final average compensation is the average monthly salary during the 96 highest consecutive months of service within the last 120 months. The retirement benefit is calculated on a maximum salary of \$106,800. This amount increases annually by 3% or one-half of the Consumer Price Index, whichever is less. The salary limits for calendar years 2015 and 2014 are \$111,572 and \$110,631, respectively.</p> <p>Alternative formula retirees receive their first pension increase of 3% or one-half of the Consumer Price Index for the preceding calendar year, whichever is less, following the first full year of retirement after age 60. These increases are not limited by the 80% maximum.</p>

e. Disability & Death Benefits

Occupational and nonoccupational (including temporary) disability benefits are available through the System. To be eligible for nonoccupational (including temporary) disability benefits, an employee must have at least eighteen months of credited service with the System.

The nonoccupational (including temporary) disability benefit is equal to 50% of the monthly rate of compensation of the employee on the date of removal from the payroll. Occupational disability benefits are provided when the member becomes disabled as a direct result

of injuries or diseases arising out of and in the course of state employment. The monthly benefit is equal to 75% of the monthly rate of compensation on the date of removal from the payroll. This benefit amount is reduced by Workers' Compensation or payments under the Occupational Diseases Act.

Occupational and nonoccupational death benefits are also available through the System. Certain nonoccupational death benefits vest after eighteen months of credited service. Occupational death benefits are provided from the date of employment.

Tier 1	Tier 2
For disability benefits, final average compensation is the rate of pay on the date of the disability, or the 48 highest consecutive months of service within the last 10 years, whichever is greater.	For disability benefits, final average compensation is the rate of pay on the date of the disability, or the 96 highest consecutive months of service within the last 10 years, whichever is greater. The disability benefit is calculated on a maximum salary of \$106,800. The salary limits for calendar years 2015 and 2014 are \$111,572 and \$110,631, respectively.

3. Summary of Significant Accounting Policies & Plan Asset Matters

a. Basis of Accounting

The financial transactions of the System are maintained and these financial statements have been prepared using the accrual basis of accounting in conformity with generally accepted accounting principles. Employee and employer contributions are recognized as revenues when due pursuant to statutory requirements.

Benefits and refunds are recognized as expenses when due and payable in accordance with the terms of the plan.

b. Cash

The System retains all of its available cash in a commingled investment pool managed by the Treasurer of the State of Illinois (Treasurer). All deposits are fully collateralized by the Treasurer.

"Available cash" is determined to be that amount which is required for the current operating expenditures of the System. The excess of available cash is transferred to the Illinois State Board of Investment (ISBI) for purposes of long-term investment for the System.

c. Implementation of New Accounting Standards

GASB Statement No. 65, "Items Previously Reported as Assets and Liabilities", establishes accounting and financial reporting standards that reclassify and recognize, as deferred outflows of resources

or deferred inflows of resources, certain items that were previously reported as assets and liabilities. The Statement also provides other financial reporting guidance related to the impact of the financial statement elements deferred outflows of resources and deferred inflows of resources, such as changes in the determination of the major fund calculations and limiting the use of the term "deferred" in financial statement presentations. The System implemented this Statement for the year ended June 30, 2014. Adoption of GASB Statement No. 65 had no effect on the System's financial statements.

GASB Statement No. 67, "Financial Reporting for Pension Plans, an amendment of GASB Statement No. 25", was established to provide improved financial reporting by state and local governmental pension plans. The scope of the Statement addresses accounting and financial reporting for the activities of pension plans that are administered through trusts or equivalent arrangements. For defined benefit pension plans, the Statement establishes standards of financial reporting for separately issued financial reports and specifies the required approach to measuring the pension liability for benefits provided through the pension plan. The System implemented this Statement for the year ended June 30, 2014. Adoption of GASB Statement No. 67 had no effect on the System's fiduciary net position but changed the approach for measuring the pension liability and required certain changes to note disclosures and required supplementary information.

d. Methods Used to Value Investments

Investments are managed by the ISBI pursuant to Chapter 40, Article 5/22A of the Illinois Compiled Statutes (ILCS) and are maintained in the ISBI Commingled Fund.

Investments owned are reported at fair value as follows: (1) U.S. Government and Agency, Foreign and Corporate Obligations, Convertible Bonds – prices quoted by a major dealer in such securities; (2) Common Stock and Equity Funds, Foreign Preferred Stock, Foreign Equity Securities, Forward Foreign Currency Contracts and Options: (a) Listed – closing prices as reported on the composite summary of national securities exchanges; (b) Over-the-counter – bid prices; (3) Money Market Instruments – average cost which approximates fair values; (4) Real Estate Investments – fair values based on audited financial statements of the funds and then adjusted by the ISBI and its investment managers for activity from audit date to fiscal year end; (5) Alternative Investments (Private Equity, Hedge Funds, Bank Loans, and Real Assets) - fair values based on audited financial statements of the funds and then adjusted by the ISBI and its investment managers for activity from audit date to fiscal year end; (6) Commingled Funds - fair values based on audited financial statements of the funds and then adjusted by the ISBI and its investment managers for activity from audit date to fiscal year end.

Units of the ISBI Commingled Fund are issued to the participating entities on the last day of the month based on the unit net asset value calculated as of that date. Net investment income of the ISBI Commingled Fund is allocated to each of the participating entities on the last day of the month on the basis of percentage of accumulated units owned by the respective systems. Management expenses are deducted monthly from income before distribution.

The investment authority of the ISBI is provided in Chapter 40, Section 5/22A-112 of the ILCS. Such investment authority requires that all opportunities be undertaken with care, skill, prudence and diligence given prevailing circumstances that a prudent person acting in like capacity and experience would undertake.

e. Actuarial Experience Review

In accordance with Illinois Compiled Statutes, an actuarial experience review is to be performed at least once every five years to determine the adequacy of actuarial assumptions regarding the mortality, retirement, disability, employment, turnover, interest and earnable compensation of the members and beneficiaries of the System. An experience review was last performed as of June 30, 2013 resulting in the adoption of new assumptions as of June 30, 2014.

f. Administrative Expenses

Expenses related to the administration of the System are financed through investment earnings and employer retirement contributions. These expenses are budgeted and approved by the System's Board of Trustees.

g. Risk Management

The System, as part of the primary government of the State, provides for risks of loss associated with workers' compensation and general liability through the State's self-insurance program. The System obtains commercial insurance for fidelity, surety, and property. There have been no commercial insurance claims in the past four fiscal years.

h. General Litigation

The System is subject to claims and lawsuits that arise primarily in the ordinary course of business. It is the opinion of management that the disposition or ultimate resolution of such claims and lawsuits will not have a material adverse effect on the plan net assets or the changes in plan net assets of the System.

i. Use of Estimates

In preparing financial statements in conformity with U.S. generally accepted accounting principles, the System makes estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements, as well as the reported amounts of revenue and expenses during the reporting period. Actual results could differ from those estimates and assumptions.

4. Investments

Summary of the ISBI Fund's investments at fair value by type		
	June 30, 2015	June 30, 2014
U.S. govt. and agency obligations	\$ 907,835,826	\$ 784,475,648
Foreign obligations	892,854,266	832,282,402
Corporate obligations	814,440,237	799,514,242
Common stock & equity funds	4,748,492,740	4,553,283,316
Commingled funds	770,805,046	733,010,980
Foreign equity securities	2,379,999,098	2,346,503,129
Foreign preferred stock	177,639	72,907
Hedge funds	1,576,250,129	1,485,145,060
Real estate funds	1,610,826,230	1,483,445,971
Private equity	667,080,662	667,730,266
Money market instruments	231,115,398	217,737,000
Real assets	532,718,107	524,284,793
Bank loans	697,836,613	689,256,558
Foreign currency forward contracts	979,645	(637,600)
Total investments	<u>\$ 15,831,411,636</u>	<u>\$15,116,104,672</u>

Rate of Return

For the fiscal years ended June 30, 2015 and 2014, the annual money-weighted rate of return on pension plan investments, net of pension plan investment expense, was 4.74 percent and 17.86 percent, respectively. The money-weighted rate of return expresses investment performance, net of investment expense, adjusted for the changing amounts actually invested.

Deposits

Custodial credit risk for deposits is the risk that, in the event of a financial institution failure, the System's and ISBI's deposits may not be returned. All non-investment related bank balances at year-end are insured or collateralized with securities held by the Illinois State Treasurer or agents in the name of the State Treasurer. As of June 30, 2015 and 2014, the ISBI had non-investment related bank balances of \$1,433,111 and \$474,083, respectively. During fiscal year 2007, a Credit Risk Policy was implemented by the ISBI staff and formally adopted by the ISBI Board in July of 2007. The policy outlines the control procedures used to monitor custodial credit risk. These assets are under

the custody of State Street Bank and Trust Company and Deutsche Bank AG, NY Branch. State Street Bank and Trust Company has an AA- Long-term Deposit/Debt rating by Standard & Poor's and an Aa2 rating by Moody. Deutsche Bank AG has a BBB+ Long-term rating by Standard & Poor's and an A3 rating by Moody's. Certain investments of the ISBI with maturities of 90 days or less would be considered cash equivalents; these consist of short-term investment funds and U.S. Treasury bills with maturities of 90 days or less, which are not subject to the custodial credit risk. For financial statement presentation and investment purposes, the ISBI reports these types of cash equivalents as Money Market Instruments within their investments. As of June 30, 2015 and 2014, the ISBI had investment related bank balances of \$13,575,431 and \$8,923,164, respectively. These balances include USD and foreign cash balances. As of January 1, 2013, cash held in the investment related bank account is neither insured nor collateralized for amounts in excess of \$250,000. At any given point and time, the foreign cash balances may be exposed to custodial credit risk.

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Investment Commitments

The ISBI's real estate and private equity investment portfolios consist of passive interests in limited partnerships. The ISBI had outstanding commitments to these limited partnerships of approximately \$460 million and \$426 million as of June 30, 2015 and 2014, respectively. Also, at the end of fiscal years 2015 and 2014, the ISBI had outstanding commitments of \$4 million and \$61 million to separate real estate accounts, respectively. At the end of fiscal years 2015 and 2014, the ISBI had outstanding amounts of \$153 million and \$32 million committed to real assets, respectively. The ISBI would fund outstanding commitments by utilizing available cash and then selling liquid securities in the portfolio as necessary.

Investment Liquidity

The ISBI holds investments in hedge funds, real estate funds, private equity funds and real assets that are considered illiquid by the very nature of the investment. Market risk exists with respect to these investments as the ISBI may not be able to exit from the investments during periods of significant market value declines.

Alternative Investments

The ISBI's investments in hedge funds are structured to achieve a diversified hedged equity fund-of-funds portfolio. Capital is allocated to a select group of hedge fund managers that invest predominately in equity securities, both long and short. The investments shall be managed with the intent of preserving capital in a declining market and in a rising market they will generate a smaller return than the overall equity market. These investments are redeemable once the underlying assets are liquidated.

The ISBI's investments in Private Equity and Real Estate funds represent investment vehicles used for making investments in various equity and debt securities according to the investment strategies as determined by the fund managers at the commencement of the fund.

Investment strategies of Private Equity funds include, but are not limited to, leveraged buyouts, venture capital, growth capital and mezzanine capital.

Investment strategies of Real Estate investments include, but are not limited to, the purchase, development, ownership, management, rental and/or sale of real estate for profit.

Certain real estate investments are leveraged whereby partnerships have been established to purchase properties through a combination of contributions from the ISBI and through acquisition of debt. At June 30, 2015, real estate equities of approximately \$1,611 million are reported at estimated fair value. Of this amount, \$1,415 million is equity and \$196 million is long term debt. At June 30, 2014, real estate equities of approximately \$1,483 million are reported at estimated fair value. Of this amount, \$1,288 million is equity and \$195 million is long term debt.

Required repayment of real estate debt, which is non-recourse debt is as follows as of June 30, 2015 and 2014:

Debt Maturities Year Ending June 30	2015	2014
2016	\$ 27,418,790	\$ 28,240,488
2017	56,584,691	57,416,040
2018	22,500,000	-
2019	44,355,719	-
2020-2024	45,057,515	88,046,051
2025-2026	-	21,321,503
	<u>\$ 195,916,715</u>	<u>\$ 195,024,082</u>

The ISBI's investments in Real Assets represent pooled investment vehicles used to seek capital appreciation and current income by acquiring, holding, financing, refinancing and disposing of infrastructure investments and farmland assets. Real Assets include various public works (e.g. bridges, tunnels, toll roads, airports, public transportation and other public works) that are made typically as a part of a privatization initiative on the part of a government entity.

A Commingled fund is a kind of mutual fund or common trust fund which consists of multiple kinds of assets from several accounts combined together. 'Commingling' these separate assets mitigates risk for the trader through investment diversification and reduces the cost of managing each account separately. Commingled funds are also called "pooled funds" and "master trusts".

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Concentration of Credit Risk and Credit Risk for Investments

The ISBI's portfolio of investments is managed by professional investment management firms. These investment management firms are required to maintain diversified portfolios. Each investment manager must comply with risk management guidelines individually assigned to them as part of their investment management agreement. The ISBI did not have any single issuer investment that exceeded 5% of the total net assets of the fund as of June 30, 2015 and 2014. The table to the right presents the quality ratings of debt securities held by the ISBI as of June 30, 2015 and 2014.

	Moody's Quality Rating	2015	2014
U.S. Government and Agency obligations	AAA	\$ 378,200,000	\$ 425,527,082
	AA	9,517,822	7,344,587
	A	-	12,943,001
	Not Rated	520,118,004	338,660,978
Total U.S. govt. and agency obligations		\$ 907,835,826	\$ 784,475,648
Foreign Obligations	AAA	\$ 132,272,871	\$ 141,563,493
	AA	192,601,201	186,950,502
	A	107,666,050	81,171,275
	BAA	228,447,204	204,409,825
	BA	44,533,922	36,645,027
	B	51,489,197	41,169,215
	Not rated	135,843,821	140,373,065
Total Foreign Obligations		\$ 892,854,266	\$ 832,282,402
Corporate Obligations Bank and Finance	AA	\$ 3,829,086	\$ 2,957,585
	A	42,709,447	50,029,728
	BAA	73,781,060	82,453,817
	BA	43,936,037	34,830,061
	B	38,781,176	35,544,808
	Not Rated	1,183	2,340,263
Total Bank and Finance		\$ 203,037,989	\$ 208,156,262
Industrial	AAA	\$ 1,112,464	\$ -
	AA	14,086,661	10,224,115
	A	19,011,440	21,987,306
	BAA	36,578,192	44,506,699
	BA	150,284,966	159,584,773
	B	220,705,212	209,039,592
	CAA	6,437,020	6,992,615
	Not Rated	19,036,249	13,073,374
Total Industrial		\$ 467,252,204	\$ 465,408,474
Other	AAA	\$ 1,520,669	\$ 1,521,596
	A	7,734,927	7,995,874
	BAA	15,470,896	19,568,129
	BA	47,098,831	48,791,454
	B	72,324,721	48,352,453
	Not rated	-	(280,000)
Total Other		\$ 144,150,044	\$ 125,949,506
Total Corporate Obligations		\$ 814,440,237	\$ 799,514,242
Money Market	Not Rated	\$ 231,115,398	\$ 217,737,000
Total Money Market		\$ 231,115,398	\$ 217,737,000

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Custodial Credit Risk for Investments

The custodial credit risk for investments is the risk that, in the event of the failure of the counterparty to a transaction, the ISBI will not be able to recover the value of investments or collateral securities that are in the possession of a counterparty. As of June 30, 2015 and 2014, there were no investments that were uninsured and unregistered, securities held by the counterparty or by its trust department or agent but not in the ISBI's name.

Interest Rate Risk

The ISBI manages its exposure to fair value losses arising from interest rate risk by diversifying the debt securities portfolio and maintaining the debt securities portfolio to an effective weighted duration between 80% and 120% of the benchmark index.

Duration is the measure of a debt investment's exposure to fair value changes arising from changing interest rates. It uses the present value of cash flows, weighted for those cash flows as a percentage of the investment's fair value. The effective duration measures the sensitivity of market price to parallel shifts in the yield curve. As of June 30, 2015 and 2014, the ISBI benchmarked its debt security portfolio to Barclay's Capital Intermediate U.S. Government/Credit Bond Index. At June 30, 2015 and 2014, the effective duration of the Barclay's Capital Intermediate U.S. Government/Credit Bond Index was 5.6 years and 5.6 years, respectively. At the same point in time, the effective duration of the ISBI debt security portfolio at June 30, 2015 and 2014 was 5.7 years and 5.3 years, respectively. The table below shows the detail of the duration by investment type as of June 30, 2015 and 2014.

Investment Type	2015		2014	
	Fair Value	Effective Weighted Duration Years	Fair Value	Effective Weighted Duration Years
U.S. Govt. and Agency Obligations				
U.S. Government	\$ 450,342,908	7.7	\$ 380,521,606	6.7
Federal Agency	457,492,918	3.3	403,954,042	3.5
Foreign Obligations	892,854,266	6.3	832,282,402	5.8
Corporate Obligations				
Bank & Finance	203,037,989	5.5	208,156,262	5.8
Industrial	467,252,204	5.1	465,408,474	4.7
Other	144,150,044	4.6	125,949,506	4.6
Total	<u>\$ 2,615,130,329</u>		<u>\$ 2,416,272,292</u>	

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Foreign Currency Risk

The ISBI's international portfolio is constructed on the principles of diversification, quality growth, and value. Risk of loss arises from changes in currency exchange rates. International managers may also engage in transactions to hedge currency at their discretion.

Certain investments held in infrastructure funds trade in a reported currency of Euro-based dollars valued at \$52,895,123 and \$61,343,167 as of June 30, 2015 and 2014, respectively. The table below presents the foreign currency risk by type of investment as of June 30, 2015 and 2014.

Currency	2015		2014	
	Foreign Equity Securities & Foreign Preferred Stock	Foreign Obligations	Foreign Equity Securities & Foreign Preferred Stock	Foreign Obligations
Argentine Peso	\$ -	\$ 564,401	\$ -	\$ -
Australian Dollar	101,071,595	26,524,849	90,774,346	23,031,004
Brazilian Real	19,506,199	22,032,221	20,078,894	29,522,411
Canadian Dollar	116,709,419	26,779,874	141,782,577	36,442,872
Chilean Peso	-	4,168,867	-	3,713,553
Colombian Peso	377,334	15,312,245	-	15,223,691
Czech Koruna	779,797	6,990,145	804,780	3,560,005
Danish Krone	56,479,696	4,766,276	44,415,985	5,392,244
Egyptian Pound	498,599	-	627,634	-
English Pound Sterling	407,189,285	61,148,582	410,712,209	46,015,531
Euro Currency	614,538,415	132,800,775	614,324,960	144,113,041
Hong Kong Dollar	147,171,701	2,586,762	129,948,463	2,550,498
Hungarian Forint	650,782	3,367,039	642,189	329,052
Indonesian Rupian	2,672,277	14,066,740	2,609,187	12,085,949
Israeli Shekel	2,693,371	4,780,588	2,886,339	4,040,894
Japanese Yen	315,281,746	71,139,096	302,710,537	66,876,957
Malaysian Ringgit	3,841,562	22,209,736	453,753	20,518,690
Mexican Peso	7,344,176	48,063,655	11,149,254	41,011,377
New Israeli Sheqel	1,226,963	-	-	-
New Russian Ruble	-	28,747,709	-	41,669,459
New Zealand Dollar	4,165,766	2,597,322	3,297,560	2,365,325
Nigerian Naira	-	-	-	10,909,408
Norwegian Krone	19,984,988	7,187,208	30,066,361	5,799,023
Peruvian Nouveau Sol	-	751,184	-	1,817,219
Philippine Peso	1,551,135	724,551	-	755,069
Polish Zloty	64,211	28,095,503	-	25,311,976
Qatari Rial	458,487	-	-	-
Singapore Dollar	26,658,642	5,534,326	34,481,140	5,121,850
South African Rand	19,045,501	25,092,609	14,851,595	23,599,596
South Korean Won	73,721,461	24,800,431	72,778,832	21,003,245
Swedish Krona	40,012,576	5,823,010	41,872,359	2,241,325
Swiss Franc	241,987,995	13,799,902	219,282,841	12,141,173
Thailand Baht	2,087,372	12,954,145	-	8,619,111
Turkish Lira	101,877	30,121,571	-	18,968,168
UAE Dirham	693,879	-	-	-
Uruguayan Peso	-	1,760,087	-	4,198,906
Foreign investments denominated in U.S. Dollars	151,609,930	237,562,857	156,024,241	193,333,780
Total	<u>\$ 2,380,176,737</u>	<u>\$ 892,854,266</u>	<u>\$ 2,346,576,036</u>	<u>\$ 832,282,402</u>

Securities Lending

The ISBI participates in a securities lending program with Deutsche Bank AG, New York Branch who acts as securities lending agent. Prior to June 22, 2015 the ISBI participated in a Securities lending program with Credit Suisse AG, New York Branch, who acted as securities lending agent. Securities are loaned to brokers and, in return, the ISBI receives cash and non-cash collateral. All of the securities are eligible for the securities lending program. Collateral consists solely of cash and government securities having a fair value equal to or exceeding 102% of the value of the loaned securities (105% for non-U.S. securities). In the event of borrower default, Deutsche Bank AG, New York Branch provides the ISBI with counterparty default indemnification. Investments in the cash collateral account represent securities that were distributed to the ISBI in connection with the in-kind redemption of the ISBI's ownership in the State Street Bank and Trust Company Quality Funds for Short-Term Investment (Quality D). Deutsche Bank is not responsible for any losses with regards to these legacy investments. This arrangement subjects the ISBI to credit risk as the credit quality of these investments may decline over time. The credit risk on the legacy investments is the risk of a possible loss arising from the inability of a counterparty to meet its obligations. These losses could include the loss of principal, interest and/or decreased expected cash flows in any of the investments held in the ISBI's cash collateral account. In the event a counterparty defaults on its obligations, the ISBI would need to credit the cash collateral account with the amount of the default to make the account whole so that once loaned securities are returned, the cash pledged by borrowers can be returned to them. As of June 30, 2015 and 2014, the collateral received exceeded the fair value of the securities loaned. As of June 30, 2015 and 2014, there were outstanding loaned investment securities having fair values of \$107,922,255 and \$168,534,354, respectively against which collateral was received with a fair value of \$110,826,173 and \$182,644,281, respectively. Collateral received at June 30, 2015 and 2014 consisted of \$32,006,788 and \$61,409,324, respectively in cash and \$78,819,385 and \$121,234,957, respectively in government securities for which the ISBI does not have the ability to pledge or sell.

The cash collateral received is invested in a short-term instrument having a fair value of \$30,394,702 and \$60,114,354 as of June 30, 2015 and 2014, respectively. This investment pool had an average duration of 32.19 days and 23.86 days as of June 30, 2015 and 2014, respectively. Any decrease in the fair value of invested cash collateral is recorded by the ISBI as unrealized losses and reported as a component of the investment income/loss on the ISBI's Statement of Changes in Net Position.

Cash and cash equivalents included in the System's Statement of Fiduciary Net Position consist of deposits held in the State Treasury. The Illinois Office of the Treasurer invests the deposits held and allocates investment income on a monthly basis.

The State Treasurer lends securities to broker-dealers and other entities for collateral that will be returned for the same securities in the future. The State Treasurer has, through a Securities Lending Agreement, authorized Deutsche Bank AG to lend the State Treasurer's securities to broker-dealers and banks pursuant to a form of loan agreement.

During fiscal years 2015 and 2014, Deutsche Bank AG lent U.S. Treasury and U.S. Agency securities and received as collateral U.S. dollar denominated cash. Borrowers were required to deliver collateral for each loan equal to at least 100% of the aggregated fair value of the loaned securities. Loans are marked to market daily. If the fair value of collateral falls below 100%, the borrower must provide additional collateral to raise the fair value to 100%.

The State Treasurer did not impose any restrictions during fiscal years 2015 and 2014 on the amount of the loans available, eligible securities. In the event of borrower default, Deutsche Bank AG provides the State Treasurer with counterparty default indemnification. In addition, Deutsche Bank AG is obligated to indemnify the State Treasurer if the Deutsche Bank AG loses any securities, collateral or investments of the State Treasurer in Deutsche Bank AG's custody. Moreover, there were no losses during fiscal years 2015 and 2014 resulting from a default of the borrowers or Deutsche Bank AG.

During fiscal years 2015 and 2014, the State Treasurer and the borrowers maintained the right to terminate all securities lending transactions on demand. The cash collateral received on each loan was invested in repurchase agreements with approved counterparties collateralized with securities approved by Deutsche Bank AG and marked to market daily at no less than 102%. Because the loans are terminable at will, their duration did not generally match the duration of the investments made with the cash collateral. The State Treasurer had no credit risk as a result of its securities lending program as the collateral held exceeded the fair value of the securities lent. The securities lending cash collateral received that was invested in repurchase agreements and the fair value of securities on loan for the State Treasurer as of June 30, 2015 were \$4,007,450,625 and \$3,980,606,070, respectively. The securities cash value collateral invested in repurchase agreements and the fair value of securi-

ties on loan for the State Treasurer as of June 30, 2014 were \$5,758,768,925 and \$5,727,657,697, respectively. The System's portion of securities lending collateral that was invested in repurchase agreements as of June 30, 2015 and 2014 was \$64,779,000 and \$84,013,000, respectively.

Derivative Securities

In fiscal year 2010, the ISBI implemented GASB Statement No. 53 Accounting and Financial Reporting for Derivative Instruments with respect to investments held in derivative securities. A derivative security is an investment whose payoff depends upon the value of other assets such as commodity prices, bond and stock prices, or a market index. The ISBI invests in derivative instruments including forward foreign currency contracts, futures, rights and warrants. The ISBI's derivatives are considered investment derivatives.

Foreign currency forward contracts (FX forwards) are used to protect against the currency risk in the ISBI's foreign equity portfolio. A foreign currency forward contract is an agreement to buy or sell a specific amount of a foreign currency at a specified delivery or maturity date for an agreed-upon price. Fluctuations in the market value of foreign currency forward contracts are marked to market on a daily basis. These investments are reported at fair value in the investment section of the ISBI's Statement of Net Position. The gain or loss arising from the difference between the original contracts and the closing of such contracts is recognized in the net increase/decrease in the fair value of investments in the ISBI's Statement of Changes in Net Position. In May 2011, the ISBI removed language from the investment management agreements allowing managers to hedge foreign currencies and/or to hedge equity positions.

The ISBI's investment managers use financial futures to replicate an underlying security they wish to hold (sell) in the portfolio. In certain instances, it may be beneficial to own a futures contract rather than the underlying security (arbitrage). Additionally, financial futures are used in the ISBI's fixed income portfolio to adjust portfolio strategy and overall portfolio duration. A financial futures contract is an agreement to buy or sell a specific amount at a specified delivery or maturity date for an agreed-upon price. As the fair values of the futures contract vary from the original contract price, a gain or loss is recognized and paid to or received from the clearinghouse. The gain or loss is recognized in the net increase/decrease in the fair value of investments in the ISBI's Statement of Changes in Net Position. Financial futures represent an off-balance sheet obligation, as there are no balance sheet assets or liabilities associated with those contracts. The cash or securities to meet these obligations are held in the ISBI's investment portfolio.

The ISBI's investment managers use options in an attempt to add value to the portfolio (collect premiums) or protect (hedge) a position in the portfolio. Financial options are an agreement that gives one party the right, but not the obligation, to buy or sell a specific amount of an asset for a specified price, called the strike price, on or before a specified expiration date. As a writer of financial options, the ISBI receives a premium at the outset of the agreement and bears the risk of an unfavorable change in the price of the financial instrument underlying the option. All written financial options are recognized as a liability in the ISBI's Statement of Net Position. As a purchaser of financial options, the ISBI pays a premium at the outset of the agreement and the counterparty bears the risk of an unfavorable change in the price of the financial instrument underlying the option. The gain or loss associated with options is recognized in the net increase/decrease in the fair value of investments in the ISBI's Statement of Changes in Net Position.

Rights and warrants allow the ISBI's investment managers to replicate an underlying security they wish to hold (sell) in the portfolio. Rights and warrants provide the holder with the right, but not the obligation, to buy or sell a company's stock at a predetermined price. Rights usually expire after a few weeks and warrants can expire from one to several years. Under certain circumstances, a type of warrant called Participatory Notes (P-Notes) are used in the portfolio by the ISBI's investment managers that are not registered to trade in domestic Indian Capital Markets. P-Notes are issued by Indian-based brokerage firms against an underlying Indian security permitting holders to get a share in the income from the security. These investments are reported at fair value in the investment section of the ISBI's Statement of Net Position within the common stock and foreign equity classifications. The gain or loss associated with rights and warrants is recognized in the net increase/decrease in the fair value of investments in the ISBI's Statement of Changes in Net Position.

The fair values of the forward contracts are estimated based on the present value of their estimated future cash flows. Futures contracts are exchange traded instruments where the fair value is determined by the equilibrium between the forces of supply and demand. The fair value of a right or warrant closely tracks the intrinsic value of the underlying stock and can be determined either by formulaic methodology (most commonly Black-Scholes) or intrinsic value methodology.

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The table below presents the investment derivative instruments aggregated by type that were held by the ISBI as of June 30, 2015 and 2014.

	Changes in Fair Value		Fair Value at Year End		Notional Amount Number of Shares	
	2015	2014	2015	2014	2015	2014
FX Forwards	\$ (1,677,653)	\$ (4,557,072)	\$ 979,645	\$ (637,600)	n/a	n/a
Futures	n/a	n/a	n/a	n/a	9,942,012	(19,492,453)
Options	(5,588)	(9,152,466)	-	(2,635,570)	-	3,450,575
Rights	(303,610)	687,576	36,595	21,258	1,943,891	32,233
Warrants	154,914	43,476	300,696	145,805	74,061	77,375
	<u>\$ (1,831,937)</u>	<u>\$ (12,978,487)</u>	<u>\$ 1,316,936</u>	<u>\$ (3,106,107)</u>	<u>11,959,964</u>	<u>(15,932,270)</u>

The table below shows the futures positions held by the ISBI as of June 30, 2015 and 2014.

	2015		2014	
	Number of Contracts	Contract Principal*	Number of Contracts	Contract Principal*
Equity Futures Purchased	753	\$78,343,610	984	\$94,707,150
Fixed Income Futures Purchased	360	57,338,435	500	58,038,549
Fixed Income Futures Sold	366	49,307,563	519	90,728,863

* Contract principal amounts shown represent the market value of the underlying assets the contracts control. These are shown to present the volume of the transactions but do not reflect the extent to which positions may offset one another. These amounts do not represent the much smaller amounts potentially subject to risk. Contract principal values also do not represent actual recorded values reported in the ISBI's Statement of Net Position.

Derivative transactions involve, to varying degrees, credit risk and market risk. Credit risk is the possibility that a loss may occur because a party to a transaction fails to perform according to terms. Derivatives which are exchange traded are not subject to credit risk. No derivatives held are subject to custodial credit risk. Market risk is the possibility that a change in interest (interest rate risk) or currency rates (foreign currency risk) will cause the value of a financial instrument to decrease or become more costly to settle. The market risk associated with derivatives, the prices of which are constantly fluctuating,

is regulated by imposing strict limits as to the types, amounts and degree of risk that investment managers may undertake. These limits are approved by the Board of Trustees and management of the ISBI and the risk positions of the investment managers are reviewed on a periodic basis to monitor compliance with the limits. As of June 30, 2015 and 2014, respectively, the ISBI held futures contracts whose underlying instruments were exposed to interest risk but there were no GASB 53 reportable elements. The ISBI has not adopted a formal policy specific to master netting arrangements.

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The following table presents the fair value of derivative investments exposed to foreign currency risk as of June 30, 2015 and 2014:

Currency	2015				2014			
	FX Forwards	Rights	Warrants	Options	FX Forwards	Rights	Warrants	Options
Australian Dollar	\$ 1,906	\$ -	\$ -	\$ -	\$ (10,223)	-	\$ -	\$ -
Brazilian Real	254,077	-	-	-	(468,235)	-	-	-
Canadian Dollar	(22,077)	140	-	-	18,701	-	-	-
Chilean Peso	(200,371)	-	-	-	(2,651)	-	-	-
Columbian Peso	372,529	-	-	-	(65,342)	-	-	-
Czech Koruna	14,308	-	-	-	(3,596)	-	-	-
Danish Krone	(1,024)	-	-	-	(2,479)	-	-	-
Egyptian Pound	-	-	-	-	-	-	-	-
English Pound Sterling	(8,411)	-	-	-	(15,658)	-	-	-
Euro Currency	(6,986)	28,398	300,524	-	(109,012)	8,011	140,436	-
Hong Kong Dollar	(61)	-	-	-	(455)	-	4,326	-
Hungarian Forint	71,267	-	-	-	3,661	-	-	-
Indian Rupee	51,803	-	-	-	(40,098)	-	-	-
Indonesian Rupiah	11,571	-	-	-	6,912	-	-	-
Israeli Shekel	1,008	-	-	-	(1,833)	-	-	-
Japanese Yen	322,452	-	-	-	125,773	-	-	-
Malaysian Ringgit	215,479	-	-	-	(7,300)	11,665	-	-
Mexican Peso	(48,321)	-	-	-	4,770	-	-	-
New Zealand Dollar	-	-	-	-	1,912	-	-	-
Norwegian Krone	(63)	-	-	-	(2,286)	-	-	-
Peruvian Nouveau Sol	7,789	-	-	-	3,634	-	-	-
Polish Zloty	(12,107)	-	-	-	13,381	-	-	-
Russian Ruble	(402,898)	-	-	-	72,949	-	-	-
Singapore Dollar	15,482	-	-	-	(3,924)	-	-	-
South African Rand	135,668	-	-	-	(44,578)	-	-	-
South Korean Won	89,547	6,125	-	-	(20,558)	-	-	-
Swedish Krona	(68,590)	-	-	-	7,769	-	-	-
Swiss Franc	16,063	-	-	-	(65,602)	-	-	-
Taiwan Dollar	-	-	-	-	6,992	-	-	-
Thailand Baht	(4,634)	-	-	-	(944)	-	-	-
Turkish Lira	174,239	-	-	-	(8,039)	-	-	-
Yuan Renminbi	-	-	-	-	(31,241)	-	-	-
Investments denominated in U.S. dollars	-	1,932	172	-	-	1,582	1,043	(2,635,570)
	<u>\$ 979,645</u>	<u>\$ 36,595</u>	<u>\$ 300,696</u>	<u>\$ -</u>	<u>\$ (637,600)</u>	<u>\$ 21,258</u>	<u>\$ 145,805</u>	<u>\$ (2,635,570)</u>

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The ISBI's derivative investments in foreign currency forward contracts are held with counterparties. The credit ratings and net exposure as of June 30, 2015 and 2014 for the counterparties are as follows:

Moody's Rating	2015			2014		
	Fair Value	Net Exposure	Percentage of Net Exposure	Fair Value	Net Exposure	Percentage of Net Exposure
Aa3	\$ 1,017,321	\$ 1,017,321	52.82%	\$ 31,958	\$ 31,958	5.47%
Aa2	290,223	290,223	15.07%	135,731	135,731	23.22%
Aa1	3,316	3,316	0.17%	-	-	-%
A3	288,895	288,895	15.00%	-	-	-%
A2	71,901	71,901	3.73%	291,685	291,685	49.89%
A1	251,850	251,850	13.08%	2,450	2,450	0.42%
Baa1	2,507	2,507	0.13%	16,943	16,943	2.90%
Baa2	-	-	-%	105,781	105,781	18.10%
	<u>\$ 1,926,013</u>	<u>\$ 1,926,013</u>	<u>100.00%</u>	<u>\$ 584,548</u>	<u>\$ 584,548</u>	<u>100.00%</u>

Other Information

The System owns approximately 94% of the net position of the ISBI Commingled Fund as of June 30, 2015 and 2014. A schedule of investment expenses is included in the ISBI's annual report.

For additional information on ISBI's investments, please refer to their Annual Report as of June 30, 2015. A copy of the report can be obtained from the ISBI at 180 North LaSalle Street, Suite 2015, Chicago, Illinois 60601.

5. Funding - Statutory Contributions Required & Contributions Made

On an annual basis, a valuation of the liabilities and reserves of the System is performed by the System's actuarial consultants in order to determine the amount of contributions statutorily required from the State of Illinois. For fiscal year 2015 the actuary used the projected unit credit actuarial method for determining the proper employer contribution rate and amount.

For fiscal year 2015 the required employer contributions was computed in accordance with the State's funding plan. This funding legislation provides for a systematic 50 year funding plan with an ultimate goal to fund the cost of maintaining and administering the System at an actuarial funded ratio of 90%.

In addition, the funding plan provided for a 15 year phase-in period to allow the state to adapt to the increased financial commitment. Since the 15 year phase-in period ended June 30, 2010, the state's contribution will remain at a level percentage of payroll for the next 35 years until the 90% funded level is achieved.

The total amount of statutorily required employer contributions, net of the debt service contributions, for fiscal year 2015 was \$1,802,494,852. The total amount of employer contributions received from the State and other sources during fiscal year 2015 was \$1,804,319,356.

6. Net Pension Liability of the State

FY Ended June 30	Total Pension Liability (TPL)	Plan Fiduciary Net Position (FNP)	Net Pension Liability	Plan FNP as % of TPL
2014	\$41,685,086,183	\$14,581,566,241	\$27,103,519,942	34.98%
2015	43,267,055,628	15,258,866,572	28,008,189,056	35.27%

The System is significantly underfunded which raises concerns about its future financial solvency should there be a significant market downturn coupled with the State's inability or unwillingness to pay the employer contribution.

Actuarial assumptions

The total pension liability was determined by an actuarial valuation as of June 30, 2015 and 2014, using the following actuarial assumptions, which were based on the results of an actuarial experience study for the period from July 1, 2009 to June 30, 2013, applied to all periods included in the measurement:

Actuarial Cost Method: Entry Age Normal

Mortality: 105 percent of the RP2014 Healthy Annuity mortality table, sex distinct, with rates projected to 2015.

Inflation: 3.0 percent

Investment rate of return: 7.25 percent

Salary increases: Salary increase rates based on age-related productivity and merit rates plus inflation.

Post-retirement benefit increases of 3.00 percent, compounded, for Tier 1 and 3.00 percent or one-half of the annual increase in the Consumer Price Index, whichever is less, simple, for Tier 2.

Retirement age: Experience-based table of rates that are specific to the type of eligibility condition. Last updated for the June 30, 2014, valuation pursuant to an experience study of the period July 1, 2009 to June 30, 2013.

Long-term expected return on plan assets

The long-term expected real rate of return on pension plan investments was determined based on information provided by the Illinois State Board of Investment (ISBI) in conjunction with its investment consultant, Marquette Associates, Inc. The ISBI and Marquette Associates, Inc. provided the simulated average 10-year annualized geometric return for each major asset class. These returns are combined to produce the long-term expected rate of return by weighting the expected future rates of return by the target asset allocation percentage.

For each major asset class that is included in the pension plan's target asset allocation as of June 30, 2015 and 2014, the 10-year simulated real rates of return are summarized in the following table:

Asset Class	Asset Allocation	
	Target Allocation	10 Year Simulated Real Rate of Return
U.S. Equity	30%	5.69%
Fixed Income	20%	1.62%
Hedge Funds	10%	4.00%
International Equity	20%	6.23%
Real Estate	10%	5.50%
Infrastructure	5%	6.00%
Private Equity	5%	10.10%
Total	100%	5.03%

Discount Rate

A single discount rate of 7.02% and 7.09% was used to measure the total pension liability as of June 30, 2015 and 2014, respectively. These single discount rates were based on the June 30, 2015 and 2014 expected rate of return on pension plan investments of 7.25% and a municipal bond rate, based on an index of 20 year general obligation bonds with an average AA credit rating as published by the Federal Reserve, of 3.8% and 4.29% as of June 30, 2015 and 2014, respectively. The projection of cash flows used to determine the single discount rates assumed that plan member contributions will be made at the current contribution rate and that employer contributions will be made at rates equal to the difference between actuarially determined contribution rates and the member rate. Based on these assumptions, the pension plan's fiduciary net position and future contributions were sufficient to finance the benefit payments through the year 2067 and 2065 at June 30, 2015 and 2014, respectively. As a result, for fiscal year 2015 and 2014, the long-term expected rate of return on pension plan investments was applied to projected benefit payments through 2067 and 2065, respectively, and the municipal bond rate was applied to all benefit payments after those dates.

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Sensitivity of the net pension liability to changes in the discount rate

For fiscal years 2015 and 2014, the following table presents the plan's net pension liability using a single discount rate of 7.02% and 7.09%, respectively, as well as what the plan's net pension liability would be if it were calculated using a single discount rate that is 1-percentage point lower or 1-percentage point higher.

Public Act 93-0839, effective July 30, 2004, requires that employer contributions to the System shall include an additional amount to be paid over to the General Obligation Bond Retirement and Interest Fund to pay principal of and interest on those general obligation bonds due that fiscal year. This debt service payment is to be made on the first day of each month, or as soon thereafter as practical.

	June 30, 2015		
	1% decrease (6.02%)	Current Discount Rate (7.02%)	1% increase (8.02%)
State's net pension liability	<u>\$33,717,210,155</u>	<u>\$28,008,189,056</u>	<u>\$23,269,260,392</u>
	June 30, 2014		
	1% decrease (6.09%)	Current Discount Rate (7.09%)	1% increase (8.09%)
State's net pension liability	<u>\$32,657,135,216</u>	<u>\$27,103,519,942</u>	<u>\$22,490,814,991</u>

The total debt service payments received for all fiscal year 2015 and 2014 payrolls, amounted to \$29.0 million and \$28.7 million, respectively. The total amount remitted to the State of Illinois as of June 30, 2015 and 2014 was \$25.3 million and \$25.1 million, respectively.

7. Compensated Absences

Employees of the System are entitled to receive compensation for all accrued but unused vacation time and one-half of all unused sick leave earned on and after January 1, 1984 and before January 1, 1998 upon termination of employment. These accrued compensated absences as of June 30, 2015 and 2014 totaled \$1,049,961 and \$1,095,392 respectively, and are included in Administrative Expenses Payable.

As of June 30, 2015 and 2014 the following amounts are included in the System's Statement of Fiduciary Net Position regarding the collection of bond principal and interest payments:

	2015	2014
Cash - payments collected but not yet remitted to the State of Illinois	<u>\$ 2,573,174</u>	<u>\$ 2,601,347</u>
Accounts receivable - for June payrolls received in July & August	<u>\$ 1,139,999</u>	<u>\$ 995,101</u>
Due to the State of Illinois	<u>\$ (3,713,173)</u>	<u>\$ (3,596,448)</u>

8. Collection and Remittance of Bond and Interest Payments

On April 7, 2003 House Bill 2660 was signed into law as Public Act 93-0002. This legislation authorized the State to issue \$10 billion in general obligation bonds for the purpose of making required contributions to the five state-funded retirement systems, including the State Employees' Retirement System. On July 1, 2003, the net bond proceeds were allocated and distributed to each of the five state-funded retirement systems based on each system's relative percentage of the total unfunded liability at June 30, 2002. The State Employees' Retirement System received an allocation of bond proceeds totaling \$1,385,895,278 and deposited all of the proceeds into the Illinois State Board of Investment Commingled Fund on July 2, 2003.

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annuitant has chosen a managed health care plan. Annuitants who retired prior to January 1, 1998, and who are vested in the State Employees' Retirement System do not contribute towards health, dental, and vision benefits. For annuitants who retired on or after January 1, 1998, the annuitant's contribution amount is reduced five percent for each year of credited service with the State allowing those annuitants with twenty or more years of credited service to not have to contribute towards health, dental, and vision benefits. Annuitants also receive life insurance coverage equal to the annual salary of the last day of employment until age 60, at which time the benefit becomes \$5,000.

The State pays the System's portion of employer costs for the benefits provided. The total cost of the State's portion of health, dental, vision, and life insurance benefits of all members, including post-employment health, dental, vision, and life insurance benefits, is recognized

as an expenditure by the State in the Illinois Comprehensive Annual Financial Report. The State finances the costs on a pay-as-you-go basis. The total costs incurred for health, dental, vision, and life insurance benefits are not separated by department or component unit for annuitants and their dependents nor active employees and their dependents.

A summary of post-employment benefit provisions, changes in benefit provisions, employee eligibility requirements including eligibility for vesting, and the authority under which benefit provisions are established are included as an integral part of the financial statements of the Department of Central Management Services. A copy of the financial statements of the Department of Central Management Services may be obtained by writing to the Department of Central Management Services, Stratton Office Building, 401 South Spring Street, Springfield, Illinois, 62706.

A summary of the administrative expenses of the System for fiscal years 2015 and 2014 are as follows:

	2015	2014
Personal Services	\$ 5,733,871	\$ 5,693,130
Employee Retirement Pickup	38,302	32,985
Retirement Contributions	2,430,501	2,309,371
Social Security Contributions	425,569	420,389
Group Insurance	1,467,163	1,505,367
Contractual Services	1,812,450	2,068,488
Travel	15,508	18,228
Commodities	13,854	25,164
Printing	53,187	43,569
Electronic data processing	3,817,148	4,029,536
Telecommunications	130,338	98,203
Automotive	7,259	7,788
Depreciation/Amortization	628,781	504,671
Other (net)	(26,108)	(141,784)
Total	<u>16,547,823</u>	<u>\$ 16,615,105</u>

**11. Social Security Division -
Administrative Expenses**

The Social Security Division of the State Employees' Retirement System was created by 40 ILCS 5/21, to administer the state's responsibilities under Title II Section 218 of the Federal Social Security Act and the master federal-state agreement.

The state's responsibilities include extending Social Security coverage by agreement to any of the state's

retirement systems or units of local government requesting social security or medicare only coverage for their members or employees.

In addition, the Social Security Division was responsible for collecting wage information and contribution payments from covered retirement systems and units of local government on wages paid prior to January 1, 1987. Administrative expenses for the Social Security Division are appropriated annually by the State Legislature.

Administrative expenses for the Social Security Division are appropriated annually by the State Legislature		
	2015	2014
Personal services	\$ 40,188	\$ 70,574
Retirement contributions	-	-
Social Security contributions	2,904	5,261
Contractual services	15,700	15,700
Travel	1,015	993
Commodities	100	-
Electronic Data Processing	500	500
Telecommunications	300	322
Total	<u><u>60,707</u></u>	<u><u>\$ 93,350</u></u>

12. Reserve Balances

The System maintains three reserve accounts.
The reserves are defined as follows:

- a. Participants' contributions: Accounts for assets contributed by each participant
- b. Interest accumulations: Accounts for interest credited to each participant's account
- c. Other future benefits: Accounts for all assets not otherwise specifically provided for in items (a) and (b) above.

REQUIRED SUPPLEMENTARY INFORMATION

SCHEDULE OF CHANGES IN THE STATE'S NET PENSION LIABILITY AND RELATED RATIOS Fiscal Years Ended June 30, 2015 and 2014

	2015	2014
Total pension liability		
Service Cost	\$ 847,997,030	\$ 776,487,959
Interest	2,912,736,360	2,754,121,665
Difference between expected and actual experience	(464,492,210)	150,997,067
Assumption changes	360,713,498	3,142,466,514
Benefit payments	(2,034,858,435)	(1,917,062,639)
Refunds	(23,128,975)	(23,082,814)
Administrative expense	(16,547,823)	(16,615,105)
Net change in total pension liability	<u>1,581,969,446</u>	<u>4,867,312,648</u>
Total pension liability - beginning	<u>41,685,086,183</u>	<u>36,817,773,535</u>
Total pension liability - ending (a)	<u>\$ 43,267,055,628</u>	<u>\$ 41,685,086,183</u>
Plan fiduciary net position		
Contributions - employer	\$ 1,804,319,356	\$ 1,699,447,826
Contributions - participant	266,139,156	269,232,241
Net investment income	681,377,052	2,169,346,258
Benefit payments	(2,034,858,435)	(1,917,062,639)
Refunds	(23,128,975)	(23,082,814)
Administrative expense	(16,547,823)	(16,615,105)
Net change in plan fiduciary net position	<u>677,300,331</u>	<u>2,181,265,767</u>
Plan fiduciary net position - beginning	<u>14,581,566,241</u>	<u>12,400,300,474</u>
Plan fiduciary net position - ending (b)	<u>\$ 15,258,866,572</u>	<u>\$ 14,581,566,241</u>
State's net pension liability - ending (a)-(b)	<u>\$ 28,008,189,056</u>	<u>\$ 27,103,519,942</u>
Plan fiduciary net position as a percentage of the total pension liability	35.27%	34.98%
Covered-employee payroll	\$ 4,453,683,664	\$ 4,416,152,691
State's net pension liability as a percentage of covered employee payroll	628.88%	613.74%

SCHEDULE OF INVESTMENT RETURNS

	2015	2014
Annual money-weighted rate of return, net of investment expense	4.79%	17.9%

REQUIRED SUPPLEMENTARY INFORMATION

SCHEDULE OF STATE CONTRIBUTIONS

Fiscal Year Ended June 30	Actuarially determined contribution	Contributions received	Contribution (deficiency) excess	Covered Employee Payroll	Contributions received as a percentage of covered employee payroll
2014	\$1,956,841,419	\$1,699,447,826	\$ (257,393,593)	\$4,416,152,691	38.48%
2015	2,045,354,223	1,804,319,356	(241,034,867)	4,453,683,664	40.51%

Notes to Schedule of State Contributions

Valuation Date: June 30, 2015

Notes Actuarially determined contribution rates are calculated as of June 30, which is 12 months prior to the beginning of the fiscal year in which the contributions will be made.

Methods and Assumptions Used to Determine Contribution Rates as of the Valuation Date:

Actuarial Cost Method: Projected Unit Credit

Amortization Method: Normal cost plus a level percentage of capped payroll amortization of the unfunded accrued liability.

Remaining Amortization Period: 30 years, open

Asset Valuation Method: 5 year smoothed market

Inflation: 3.00 percent

Salary Increases: Salary increase rates based on age-related productivity and merit rates plus inflation.

Post Retirement Benefits: Post-retirement benefit increases of 3.00 percent, compounded, for Tier 1 and 3.00 percent or one-half of the annual increase in the Consumer Price Index whichever is less, simple, for Tier 2.

Investment Rate of Return: 7.25 percent.

Retirement Age: Experience-based table of rates that are specific to the type of eligibility condition. Last updated for the June 30, 2014, valuation pursuant to an experience study of the period July 1, 2009 to June 30, 2013.

Mortality: 105 percent of the RP2014 Healthy Annuitant table, sex distinct, with rates projected to 2015

SUMMARY OF REVENUES BY SOURCE

	2015	2014
Contributions:		
Participants:		
Participants	\$ 259,170,550	\$ 262,956,736
Interest paid by participants	6,118,556	5,400,946
Repayment of refunds	850,050	874,559
Total participant contributions	266,139,156	269,232,241
Employer:		
General Revenue Fund	1,174,448,039	1,109,491,149
Employing state agencies and appropriations	628,671,697	588,885,637
Paid by participants	1,199,620	1,071,040
Total employer contributions	1,804,319,356	1,699,447,826
Total contributions	2,070,458,512	1,968,680,067
Investment income:		
Net appreciation in fair value of investments	240,297,223	1,809,958,589
Interest and dividends from investments	479,661,386	396,094,900
Interest earned on cash balances	622,012	698,856
Less investment expense, other than from securities lending	(42,184,943)	(40,473,085)
Net income from investing, other than from securities lending	678,395,678	2,166,279,260
Net securities lending income	2,981,374	3,066,998
Net investment income	681,377,052	2,169,346,258
Total revenues	\$2,751,835,564	\$ 4,138,026,325

SUMMARY SCHEDULE OF CASH RECEIPTS & DISBURSEMENTS

	2015	2014
Cash balance, beginning of year	\$ 200,752,173	\$ 146,354,061
Receipts:		
Participant contributions	257,823,268	254,736,762
Employer contributions (net of bond principal and interest transfers)	599,464,616	634,208,477
General Revenue Fund/Pension Contribution Fund	1,174,448,039	1,109,491,149
Transfers from Illinois State Board of Investment	-	58,607,580
Interest income on cash balance	620,455	691,988
Claims receivable payments	6,172,253	6,211,988
Installment payments	3,258,283	3,348,080
Other	184,875	160,942
Total cash receipts	2,041,971,789	2,067,456,966
Disbursements:		
Annuity payments:		
Retirement annuities	1,834,093,147	1,721,627,471
Widow's and Survivor's annuities	122,024,991	114,389,148
Disability benefits	59,432,605	58,668,756
Lump Sum benefits	15,389,940	18,389,475
Refunds (including transfers to reciprocal systems)	23,720,496	23,458,470
Refund to the General Revenue Fund	-	58,607,580
Administrative expenses	17,416,194	17,917,954
Total cash disbursements	2,072,077,373	2,013,058,854
Cash balance, end of year	\$ 170,646,589	\$ 200,752,173

SUPPLEMENTARY FINANCIAL INFORMATION

SCHEDULE OF PAYMENTS TO CONSULTANTS & ADVISORS

	2015	2014
Legal Services	\$ 59,942	\$ 57,230
Actuarial Costs	164,202	320,135
Audit Expense	69,120	62,695
Physicians and Disability Inspections	233,432	211,521
Financial Planning	48,619	49,827
Management Consultants	807,832	807,225
TOTAL	<u>\$ 1,383,147</u>	<u>\$ 1,508,633</u>

**Independent Auditor's Report on Internal Control over
Financial Reporting and on Compliance and Other Matters
Based on an Audit of the Financial Statements Performed
in Accordance With *Government Auditing Standards***

The Honorable William G. Holland
Auditor General
State of Illinois
and
The Board of Trustees
State Employees' Retirement System of the State of Illinois

As Special Assistant Auditors for the Auditor General, we have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the State Employees' Retirement System of the State of Illinois (System), as of and for the year ended June 30, 2015, and the related notes to the financial statements, which collectively comprise the System's basic financial statements, and have issued our report thereon dated December 18, 2015. Our report includes a reference to other auditors who audited the financial statements of the Illinois State Board of Investment, an internal investment pool of the State of Illinois, as described in our report on the System's financial statements. This report does not include the results of the other auditors' testing of internal control over financial reporting or compliance and other matters that are reported on separately by those auditors.

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, misstatement 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 System's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. 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. We did identify certain deficiencies in internal control, described in the accompanying schedule of findings as items 2015-001 and 2015-002 that we consider to be significant deficiencies.

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*.

State Employees' Retirement System's Response to Findings

The System's responses to the findings identified in our audit are described in the accompanying schedule of findings. The System's responses were not subjected to the auditing procedures applied in the audit of the financial statements and, accordingly, we express no opinion on the responses.

Purpose of this Report

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

BKD, LLP

Decatur, Illinois
December 18, 2015

**State Employees' Retirement System
of the State of Illinois**
Current Finding – Government Auditing Standards
June 30, 2015

2015-001. Finding – Noncompliance with the Fiscal Control and Internal Auditing Act

The State Employees' Retirement System (System) was not in compliance with the Fiscal Control and Internal Auditing Act (the Act).

During the prior year's audit, we noted that the System was required by the Act (30 ILCS 10/2001) to have a full-time program of internal auditing. The System filled the Internal Auditor position in October 2014. Therefore this part of the prior year's finding is not repeated in the current fiscal year's audit.

The Act (30 ILCS 10/2003) also requires the chief executive officer to ensure that internal audits of all major systems of internal control are conducted at least once every two years. As a result of the vacancy in the Internal Auditor position during part of the fiscal year, only one of the seven internal audits of major systems planned for fiscal year 2015 were completed. Therefore, the System was not in compliance with this provision of the Act.

According to System officials the System was not able to fill the internal audit position sooner and therefore the current internal auditor did not have adequate time during the fiscal year to complete internal audits as planned.

Failure to comply with the Act increases the risk that fraud, misuse of funds, or internal control weaknesses would not be detected on a timely basis. (Finding Code No. 2015-001, 2014-001)

Recommendation

We recommend System management develop a plan to ensure the internal audit function continues in the event the position is left vacant for a period of time.

System Response

The System accepts the finding and will develop a plan to ensure that the internal audit function continues in the event of another vacancy within the position over a significant period of time.

**State Employees' Retirement System
of the State of Illinois**
Current Finding – Government Auditing Standards
June 30, 2015

2015-002. Finding - Controls over Census Data

The State Employees' Retirement System of the State of Illinois (System) has weaknesses in controls over creditable earnings and member census data reported by its participating State agencies.

During our current fiscal year testing we noted 2 errors in certain census data reported to the System out of 240 active members tested. In addition during a review of the System's internal controls over creditable earnings and member census data, it was noted that creditable earnings and member census data for the System is accumulated from multiple State agencies which increases the likelihood of errors within the data. The System's current processes and controls for verifying the data rely heavily on the reporting of the information by the participating State agencies and there are limited controls in place by the System to verify the creditable earnings and member census information.

System management is responsible for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to error or fraud. System controls should encompass effective management processes and controls to sufficiently address the appropriate risks and verify the underlying payroll records of participating State agencies' census data. This would include developing processes and controls to verify significant elements of census data which originate in multiple State agencies.

The Fiscal Control and Internal Auditing Act (30 ILCS 10/3001) requires all State agencies, including the System, to establish and maintain a system or systems, of internal fiscal administrative controls, such that information is properly recorded and accounted for to permit the preparation of reliable financial and statistical reports.

System officials indicated they have added some additional controls to verify census data on an ad hoc basis, however the System is still working to determine the best method for it to conduct State agency audits to verify census data to personnel files.

Certain financial statement assertions relating to single employer plans (that is, the Total Pension Liability (TPL) and revenues and receivables relating to Contributions) are dependent on the completeness and accuracy of census data. Weaknesses in controls over the significant elements of census data could lead to a misstatement in the valuation of the TPL, a required disclosure to the System's financial statements. In addition, a misstatement could lead to a misstatement in contributions which directly impacts valuation of Plan Net Position and the financial statements of the System directly. A misstatement within the financial statements will impact the calculation of the Net Pension Liability (NPL) as required under GASB Statement No. 67 Financial Reporting for Pension Plans - An Amendment to GASB Statement No. 25.

**State Employees' Retirement System
of the State of Illinois**
Current Finding – Government Auditing Standards
June 30, 2015

2015-002. Finding - Controls over Census Data (continued)

A misstatement of the NPL will also impact the allocation of the NPL and related pension activity to participating State agencies under GASB Statement No. 68 Accounting and Financial Reporting for Pensions – An Amendment of GASB Statement No. 27. (Finding Code No. 2015-002, 2014-002)

Recommendation

We recommend the System update current processes and controls to include the verification of significant elements of census data.

System Response

The System accepts the finding. Over the past year the System has put several new processes in place that, over time, will serve to independently validate the census data received from employing state agencies' payroll transactions. They are as follows:

- (1) A new payroll edit has been deployed to review incoming payroll transactions and flag the discrepancies if the gender or the date of birth does not match what our member database shows. These discrepancies are investigated through the review or collection of member-completed documentation of their gender or date of birth and result in an adjustment to the member database or notification to the agency to correct their payroll system.
- (2) A new Member Demographic Confirmation form has been developed and is made available to all members through member retirement seminars, private member counseling or walk-ins to SRS. Members are asked to review the form and indicate discrepancies in their census data (specifically, gender and date of birth). The form has a signature line so we can authenticate that the member has provided their gender / date of birth. The forms are scanned to the member's images so we can track how many members have reviewed their census data through this method and for the documentation of the changes being made to the data.
- (3) The member website has been launched and is continually being advertised to reach more of our membership. Some members have contacted us with this new view of their data in our system to inform us that their gender or date of birth are incorrect in our system. We review the account and perform due diligence and make the necessary changes based on the verification that we obtain. Additionally, the Member Demographic Confirmation form has been made available via the member website and reaches the user/members that are not coming to us in person, but are visiting their data on our site.

**State Employees' Retirement System
of the State of Illinois**
Current Finding – *Government Auditing Standards*
June 30, 2015

- (4) Public Act 99-0450 was signed into law effective August 24, 2015, authorizing the SERS board to request information from any employing state agency that is necessary for the proper administration of the system. Rules are being drafted in relation to this new law to provide the authority to SERS to validate the census data elements contained within the personnel files of our members.

**State Employees' Retirement System
of the State of Illinois
Prior Findings Not Repeated
June 30, 2015**

Prior Finding Not Repeated – *Government Auditing Standards*

A. Finding – Internally Generated Computer Software

The State Employees' Retirement System (System) did not have a policy covering the capitalization of internally generated computer software in accordance with Governmental Accounting Standards Board (GASB) Statement No. 51, Accounting and Financial Reporting for Intangible Assets. (Finding Code No. 2014-003)

During the current fiscal year audit, we noted that the System developed and implemented Accounting Procedure 90.A.05 that outlines the procedures for determining how to capture capitalized costs for internally generated computer software in accordance with GASB Statement No. 51.