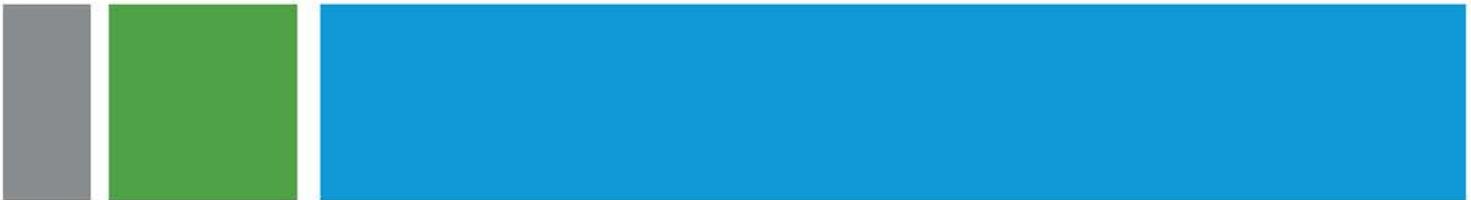


# Judges' Retirement System of the State of Illinois

## Compliance Examination

For the Year Ended June 30, 2017  
Performed as Special Assistant Auditors for  
the Auditor General, State of Illinois



**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Year Ended June 30, 2017**

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Financial Statement Report

The System's financial statement report for the year ended June 30, 2017, which includes the independent auditor's report, management's discussion and analysis, basic financial statements and notes, required supplementary information other than management's discussion and analysis, supplementary information, and the independent auditor's report on internal control over financial reporting and on compliance and other matters based on an audit of financial statements performed in accordance with *Government Auditing Standards* has been issued separately.

Supplementary Information for State Compliance Purposes

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**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Year Ended June 30, 2017**

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**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**For the Year Ended June 30, 2017**

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***System Officials***

Executive Secretary  
Division Manager  
Accounting Division Manager  
Internal Auditor

Timothy B. Blair  
Jayne Waldeck  
Alan Fowler, CPA  
Casey Evans

***Office Locations***

2101 South Veterans Parkway  
P.O. Box 19255  
Springfield, Illinois 62794-9255

State of Illinois Building  
160 North LaSalle Street, Suite N725  
Chicago, Illinois 60601



2101 South Veterans Parkway  
P.O. Box 19255  
Springfield, IL 62794-9255

217-782-8500 Fax: 217-524-9039  
Email: jrs@srs.illinois.gov

March 30, 2018

RSM US LLP  
20 North Martingale Road, Suite 500  
Schaumburg, IL 60173

Ladies and Gentlemen:

We are responsible for the identification of, and compliance with, all aspects of laws, regulations, contracts, or grant agreements that could have a material effect on the operations of the Judges' Retirement System. We are responsible for and we have established and maintained an effective system of internal controls over compliance requirements. We have performed an evaluation of the Judges' Retirement System's compliance with the following assertions during the year ended June 30, 2017. Based on this evaluation, we assert that during the year ended June 30, 2017, the Judges' Retirement System has materially complied with the assertions below.

- A. The Judges' Retirement System has obligated, expended, received, and used public funds of the State in accordance with the purpose for which such funds have been appropriated or otherwise authorized by law.
- B. The Judges' Retirement System has obligated, expended, received, and used public funds of the State in accordance with any limitations, restrictions, conditions, or mandatory directions imposed by law upon such obligation, expenditure, receipt, or use.
- C. The Judges' Retirement System has complied, in all material respects, with applicable laws and regulations, including the State uniform accounting system, in its financial and fiscal operations.
- D. State revenues and receipts collected by the Judges' Retirement System are in accordance with applicable laws and regulations and the accounting and recordkeeping of such revenues and receipts is fair, accurate, and in accordance with law.
- E. Money or negotiable securities or similar assets handled by the Judges' Retirement System on behalf of the State or held in trust by the Judges' Retirement System have been properly and legally administered, and the accounting and recordkeeping relating thereto is proper, accurate, and in accordance with law.

Yours truly,

Judges' Retirement System

**SIGNED ORIGINAL ON FILE**

\_\_\_\_\_  
Timothy B. Blair, Executive Secretary

**SIGNED ORIGINAL ON FILE**

\_\_\_\_\_  
Alan Fowler, CPA, Accounting Division Manager

**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Year Ended June 30, 2017**

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**Compliance Report**

**Summary**

The compliance testing performed during this examination was conducted in accordance with *Government Auditing Standards* and in accordance with the Illinois State Auditing Act.

**Accountant's Report**

The Independent Accountant's Report on State Compliance, on Internal Control Over Compliance, and on Supplementary Information for State Compliance Purposes does not contain scope limitations, disclaimers or other significant non-standard language.

**Summary of Findings**

<b>Number of</b>	<b>Current Report</b>	<b>Prior Report</b>
Findings	2	2
Repeated findings	1	1
Prior recommendations implemented or not repeated	1	1

**Schedule of Findings**

<b>Item No.</b>	<b>Page</b>	<b>Description</b>	<b>Finding Type</b>
<b>FINDINGS (STATE COMPLIANCE)</b>			
2017-001	10	Change Management Weaknesses	Noncompliance and Significant Deficiency
2017-002	11	Monitoring of Contracts	Noncompliance and Significant Deficiency

**Prior Finding Not Repeated**

A	12	Noncompliance with the Fiscal Control and Internal Auditing Act
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**Exit Conference**

System officials elected to waive a formal exit conference in correspondence dated February 15, 2018. The responses to the recommendation were provided by Casey Evans, Internal Auditor, in correspondence dated March 5, 2018.



RSM US LLP

**Independent Accountant's Report on State Compliance,  
on Internal Control Over Compliance, and on  
Supplementary Information for State Compliance Purposes**

Honorable Frank J. Mautino  
Auditor General, State of Illinois  
and  
Board of Trustees  
Judges' Retirement System of the State of Illinois

**Compliance**

As Special Assistant Auditors for the Auditor General, we have examined the Judges' Retirement System of the State of Illinois' (System) compliance with the requirements listed below, as more fully described in the Audit Guide for Financial Audits and Compliance Attestation Engagements of Illinois State Agencies (Audit Guide) as adopted by the Auditor General, during the year ended June 30, 2017. The management of the System is responsible for compliance with these requirements. Our responsibility is to express an opinion on the System's compliance based on our examination.

- A. The System has obligated, expended, received, and used public funds of the State in accordance with the purpose for which such funds have been appropriated or otherwise authorized by law.
- B. The System has obligated, expended, received, and used public funds of the State in accordance with any limitations, restrictions, conditions or mandatory directions imposed by law upon such obligation, expenditure, receipt or use.
- C. The System has complied, in all material respects, with applicable laws and regulations, including the State uniform accounting system, in its financial and fiscal operations.
- D. State revenues and receipts collected by the System are in accordance with applicable laws and regulations and the accounting and recordkeeping of such revenues and receipts is fair, accurate and in accordance with law.
- E. Money or negotiable securities or similar assets handled by the System on behalf of the State or held in trust by the System have been properly and legally administered and the accounting and recordkeeping relating thereto is proper, accurate, and in accordance with law.

Our examination was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants; the standards applicable to attestation engagements contained in *Government Auditing Standards* issued by the Comptroller General of the United States; the Illinois State Auditing Act (Act); and the Audit Guide as adopted by the Auditor General pursuant to the Act (the Audit Guide). Those standards, the Act, and the Audit Guide require that we plan and perform the examination to obtain reasonable assurance about whether the System complied, in all material respects, with the specified requirements listed above. An examination involves performing procedures to obtain evidence about whether the System complied with the specified requirements listed above. The nature, timing and extent of the procedures selected depend on our judgement, including an assessment of the risks of material noncompliance, whether due to fraud or error.

We believe that the evidence we obtained is sufficient and appropriate to provide a reasonable basis for our opinion. Our examination does not provide a legal determination on the System's compliance with specified requirements.

In our opinion, the System complied, in all material respects, with the requirements listed in the first paragraph of this report during the year ended June 30, 2017. However, the results of our procedures disclosed instances of noncompliance with the requirements, which are required to be reported in accordance with criteria established by the Audit Guide, issued by the Illinois Office of the Auditor General and which are described in the accompanying schedule of findings as items 2017-001 and 2017-002.

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

The purpose of this report on compliance is solely to describe the scope of our testing and the results of that testing in accordance with the requirements of the Audit Guide issued by the Illinois Office of the Auditor General. Accordingly, this report is not suitable for any other purpose.

### **Internal Control**

Management of the System is responsible for establishing and maintaining effective internal control over compliance with the requirements listed in the first paragraph of this report. In planning and performing our examination, we considered the System's internal control over compliance with the requirements listed in the first paragraph of this report to determine the examination procedures that are appropriate in the circumstances for the purpose of expressing our opinion on compliance and to test and report on internal control over compliance in accordance with the Audit Guide, issued by the Illinois Office of the Auditor General, but not for the purpose of expressing an opinion on the effectiveness of the System's internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the System's internal control over compliance.

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

Our consideration of internal control over compliance was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. We did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses. However, we identified certain deficiencies in internal control over compliance, as described in the accompanying schedule of findings as items 2017-001 and 2017-002 that we consider to be significant deficiencies.

There were no immaterial findings that have been excluded from this report.

The System's responses to the internal control findings identified in our examination are described in the accompanying schedule of findings. The System's responses were not subjected to the procedures applied in the compliance examination and, accordingly, we express no opinion on the responses.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of the Audit Guide, issued by the Illinois Office of the Auditor General. Accordingly, this report is not suitable for any other purpose.

### **Supplementary Information for State Compliance Purposes**

As Special Assistant Auditors for the Auditor General, we have audited and issued under separate cover the Statement of Fiduciary Net Position of the System as of June 30, 2017, and the Statement of Changes in Fiduciary Net Position for the year then ended, and have issued our report thereon dated January 19, 2018, which contained an unmodified opinion on those financial statements. Our audit was conducted for the purpose of forming an opinion on the financial statements that collectively comprise the System's basic financial statements. We did not audit the 2017 financial statements of the Illinois State Board of Investment, an internal investment pool of the State of Illinois, which statements represent 95 percent, 96 percent and 40 percent, respectively, of total assets, net position restricted for pension benefits, and total additions to 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 have not performed any procedures with respect to the audited financial statements subsequent to January 19, 2018. The accompanying supplementary information for State compliance purposes in Schedules 1 through 7, for the year ended June 30, 2017 is presented for purposes of additional analysis and is not a required part of the basic financial statements of the System. 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 accompanying supplementary information for State compliance purposes in Schedules 1 through 7 for the year ended June 30, 2017 has been subjected to the auditing procedures applied in the audit of the basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the accompanying supplementary information for State compliance purposes in Schedules 1 through 7 for the year ended June 30, 2017 is fairly stated in all material respects in relation to the basic financial statements as a whole for the year ended June 30, 2017.

We also have previously audited, in accordance with auditing standards generally accepted in the United States of America, the System's basic financial statements as of and for the year ended June 30, 2016 (not presented herein), and have issued our report thereon dated January 4, 2017, which contained an unmodified opinion on those basic financial statements. We did not audit the 2016 financial statements of the Illinois State Board of Investment, an internal investment pool of the State of Illinois, which statements represent 92 percent, 93 percent and (5) percent respectively 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 other auditors. The accompanying supplementary information for the year ended June 30, 2016 in Schedules 2 through 7 is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the June 30, 2016 financial statements. The accompanying supplementary information for the year ended June 30, 2016 in Schedules 2 through 7 has been subjected to the auditing procedures applied in the audit of the June 30, 2016 basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare those basic financial statements or to those basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the accompanying supplementary information for the year ended June 30, 2016 in Schedules 2 through 7 is fairly stated in all material respects in relation to the basic financial statements as a whole from which it has been derived.

The System's basic financial statements as of and for the year ended June 30, 2015 (not presented herein), were audited by other auditors whose report thereon dated December 18, 2015, expressed an unmodified opinion on the basic financial statements. The report of other auditors dated December 18, 2015, stated that the accompanying supplementary information for State compliance purposes for the year ended June 30, 2015 in Schedule 2 was subjected to the auditing procedures applied in the audit of the June 30, 2015 basic financial statements and certain additional auditing procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare those basic financial statements or to those basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America and, in their opinion, was fairly stated in all material respects in relation to the basic financial statements as a whole for the year ended June 30, 2015.

The accompanying supplementary information in the Analysis of Operations Section is presented for the purposes of additional analysis and is not a required part of the basic financial statements. Such information has not been subjected to the auditing procedures applied in the audit of the basic financial statements, and accordingly, we do not express an opinion or provide any assurance on it.

**SIGNED ORIGINAL ON FILE**

Schaumburg, Illinois  
March 30, 2018, except for our report on the Supplementary Information  
for State Compliance Purposes, as to which the date is  
January 19, 2018



RSM US LLP

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

Honorable Frank J. Mautino  
Auditor General, State of Illinois

Board of Trustees  
Judges' 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 Judges' Retirement System of the State of Illinois (System), as of and for the year ended June 30, 2017, and the related notes to the financial statements, which collectively comprise the System's basic financial statements as listed in the table of contents, and have issued our report thereon dated January 19, 2018. 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, misstatements on a timely basis. *A material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. *A significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

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

**Compliance and Other Matters**

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

**Purpose of this Report**

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

**SIGNED ORIGINAL ON FILE**

Schaumburg, Illinois  
January 19, 2018

**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Schedule of Findings - State Compliance**

**Year Ended June 30, 2017**

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**Finding No. 2017-001 Change Management Weaknesses**

The State Retirement System, which administers the Judges' Retirement System (System), has weaknesses in their change management procedures.

The System develops and deploys custom software to manage pension accounts of Illinois members and collects, stores, and processes confidential and protected information related to this mission.

The System had established formal change management procedures; however, the procedures did not address migrating changes into the production environment. In addition, programmers developing and making changes to applications had access to the production environment and the capability to implement changes. Furthermore, monitoring tools were not in place to detect unauthorized code migrations.

Generally accepted information technology guidance endorses the implementation of change management procedures to reduce the risk of unauthorized, improper, or erroneous changes to computer systems. These procedures include restricting programmers from making a change and moving it into production.

Management stated, as it did in the prior year, that a plan was in place to restrict developer access to production for the central application but due to oversight the plan was not fully executed. Management also stated the System is working on incorporating automated approval and deployment of changes into the production environment; however, it has not yet completed this process.

The lack of adequate change control procedures increases the risk that unauthorized changes are put into production that could compromise system integrity and data. (Finding Code No. 2017-001, 2016-002)

**Recommendation:**

We recommend the System continue to update its change management procedures to address specific procedures for migrating changes into the production environment. The procedures should include a standard form for requesting a change be moved into production and include user and management approval. In addition, programmers should be prevented from migrating changes into the production environment. If the Office determines that programmer access is necessary in some situations, it should establish and enforce compensating controls to ensure appropriate and documented management oversight and approval.

**System Response:**

The System accepts the finding. IT management is working to implement an upgrade to existing software in calendar year 2018 which will remedy the change management weaknesses noted.

**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Schedule of Findings – State Compliance**

**Year Ended June 30, 2017**

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**Finding No. 2017-002 Monitoring of Contracts**

The Judges' Retirement System (System) did not properly monitor its contracts during the engagement period resulting in a contract that was not timely signed by the System.

During the sample testing of two contracts, we noted 1 (50%) contract had a contract period start date which commenced prior to the contract being formally signed by the System. This contract was a renewal of an existing annual contract for fiduciary insurance in the amount of \$35,113, which expired and was not renewed timely. The contract was signed 12 days late.

The Fiscal Control and Internal Auditing Act (30 ILCS 10/3001) requires all State agencies to establish and maintain a system, or systems, of internal fiscal and administrative controls so that revenues, expenditures and transfers of assets, resources, or other funds applicable to operations are properly recorded and accounted for to permit the preparation of accounts and reliable financial and statistical reports and to maintain accountability over the State's resources. Prudent business practices and good internal controls require contracts to be signed prior to the effective date of the agreement.

System management stated the exception was due to an oversight by staff and lack of communication with the vendor.

Failure to actively monitor contracts in place and to timely sign contract agreements could result in unnecessary legal risk to the System. (Finding Code No. 2017-002)

**Recommendation:**

We recommend the System monitor compliance with its contracts to ensure that every contract is properly approved and signed prior to commencement of services or receipt of goods.

**System Response:**

The System accepts the finding and will ensure all contracts for renewal of services are executed prior the existing contract term expiring.

**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Schedule of Findings**

**Year Ended June 30, 2017**

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**Prior Finding Not Repeated**

**A. Finding - Noncompliance with the Fiscal Control and Internal Auditing Act**

In the prior year, the Judges' Retirement System (System) was not in compliance with the Fiscal Control and Internal Auditing Act (the Act). The Act (30 ILCS 10/2003) required the chief executive officer to ensure that internal audits of all major systems of internal control are conducted at least once every two years. The System was unable to complete internal audits of all major systems of internal control at least every two years as required by the Act. (Finding Code No. 2016-001)

During the current fiscal year, the System's Board created and funded an additional internal auditor position to aid the Chief Internal Auditor in performing audit duties. The additional internal auditor allowed the internal audit department to complete the required internal audits of all major systems of internal control in fiscal years 2016 and 2017.

**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Year Ended June 30, 2017**

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**Supplementary Information for State Compliance Purposes**

**Summary**

Supplementary Information for State Compliance Purposes presented in this section of the report includes the following:

- Fiscal Schedules and Analysis:
  - Schedule of Appropriations, Expenditures and Lapsed Balances
  - Comparative Schedule of Net Appropriations, Expenditures and Lapsed Balances
  - Schedule of Changes in State Property
  - Comparative Schedule of Cash Receipts
  - Reconciliation Schedule of Cash Receipts to Deposits Remitted to the State Comptroller
  - Comparative Schedule of Cash Balances
  - Comparative Schedule of Changes in Investment Balances
- Analysis of Operations (Unaudited):
  - System Functions and Planning Program (Unaudited)
  - Progress in Funding the System (Unaudited)
  - Analysis of Significant Variations in Expenditures (Unaudited)
  - Analysis of Significant Variations in Cash Receipts (Unaudited)
  - Analysis of Significant Lapse Period Spending (Unaudited)
  - Analysis of Contributions Receivable (Unaudited)
  - Budget Impasse Disclosures (Unaudited)
  - Alternative Financing in Lieu of Appropriations and Programs to Address Untimely Payments to Vendors (Unaudited)
  - Interest Costs on Fiscal Year 2017 Invoices (Unaudited)
  - Money-Weighted Rate of Return (Unaudited)
  - Average Number of System Employees (Unaudited)
  - Comparison of Administrative Expenses to Total Expenses (Unaudited)
  - Schedule of Contributions/Deductions and Effect on Investments (Unaudited)
  - Service Efforts and Accomplishments (Unaudited)

The accountant's report that covers the Supplementary Information for State Compliance Purposes presented in the Compliance Report Section states that it has been subjected to the auditing procedures applied in the audit of the basic financial statements and, in the auditor's opinion, it is fairly stated, in all material respects, in relation to the basic financial statements as a whole from which it has been derived. The accountant's report also states the Analysis of Operations Section has not been subjected to the auditing procedures applied in the audit of the basic financial statements, and accordingly, they do not express an opinion or provide any assurance on it.

Schedule of Appropriations, Expenditures and Lapsed Balances  
Expenditure Authority for Fiscal Year 2017  
Fifteen Months ended September 30, 2017

Continuing Appropriations	Expenditure Authority (Net of Transfers)	Expenditures through June 30	Lapse Period Expenditures July 1, through September 30	Total Expenditures 15 Months Ended September 30	Balances Lapsed September 30
<b>Appropriated Funds</b>					
<b>General Revenue Fund - 0001</b>					
Continuing appropriation for pension contributions	\$ 131,334,000	\$ 131,334,000	\$ -	\$ 131,334,000	\$ -
Total appropriated funds	\$ 131,334,000	\$ 131,334,000	\$ -	\$ 131,334,000	\$ -
<b>Judges' Retirement System Fund - 0477</b>					
Personal services		\$ 481,775	32,617	\$ 514,392	
Employee retirement pickup		5,609	242	5,851	
Retirement contributions		215,106	14,550	229,656	
Social Security and Medicare contributions		35,572	2,426	37,998	
Group insurance		101,180	7,360	108,540	
Contractual services		141,969	2,645	144,614	
Travel		6,991	230	7,221	
Purchase of investments		17,000,000	-	17,000,000	
Commodities		142	169	311	
Printing		-	385	385	
Equipment		255	-	255	
Electronic data processing		778	67,942	68,720	
Telecommunications		1,315	115	1,430	
Automotive		2,211	145	2,356	
Nonrecurring refunds and distributions		944,025	-	944,025	
Pensions, annuities and benefits		138,822,562	(13,643)	138,808,919	
Refunds, prior year contributions		29,584	-	29,584	
Subtotal - Fund 0477		157,789,074	115,183	157,904,257	
<b>Judges' Retirement Excess Benefit Fund - 0787</b>					
Pensions, annuities and benefits		1,688,288	-	1,688,288	
Total nonappropriated funds		159,477,362	115,183	159,592,545	
Grand total, all Funds	\$ 290,811,362	\$ 290,811,362	\$ 115,183	\$ 290,926,545	

Note 1: Expenditure authority, appropriations, expenditures, and lapsed balances were obtained from the State Comptroller's records as of September 30, 2017, and have been reconciled to System records.

Note 2: Expenditure amounts are vouchers approved for payment by the System and submitted to the State Comptroller for payment to the vendor.

Note 3: The State Pension Funds Continuing Appropriation Act (40 ILCS 15/1.1(d)) provides a continuing annual appropriation for the State's Contributions to the System such that the State's total contributions are no less than the required State contributions lawfully submitted by the System under the Illinois Pension Code (40 ILCS 5/18-140). The Circuit Court of Cook County in *People v. Munger* (15 CH 10243) ordered the State Comptroller, in the absence of enacted annual appropriations, to process and pay certified invoice vouchers from the System pursuant to this Statute. Therefore, the System's fiscal year 2017 appropriation for Fund 001 was established as the amount certified to the Governor and General Assembly as the State's required contribution January 15, 2016.

Comparative Schedule of Net Appropriations,  
Expenditures and Lapsed Balances  
For the Years Ended June 30, 2017, 2016 and 2015

	Fiscal Year		
	2017	2016	2015
	Continuing Appropriations	Continuing Appropriations	P.A. 98-0680
<b>Appropriated Funds</b>			
<b><u>General Revenue Fund - 0001</u></b>			
Appropriations	\$ 131,334,000	\$ 132,060,000	\$ 133,982,000
Expenditures			
Continuing appropriation for pension contributions	131,334,000	132,060,000	133,982,000
Total appropriated funds	131,334,000	132,060,000	133,982,000
Lapsed balances	\$ -	\$ -	\$ -
<b>Nonappropriated Funds</b>			
<b><u>Kanerva vs State Trust Fund - 0234</u></b>			
Expenditures			
Annuitant disbursement	\$ -	\$ -	\$ 1,897,535
<b><u>Judges' Retirement System Fund - 0477</u></b>			
Expenditures			
Personal services	514,392	521,580	626,250
Employee retirement pickup	5,851	5,803	10,094
Retirement contributions	229,656	238,022	265,483
Social Security and Medicare contributions	37,998	38,514	46,455
Group insurance	108,540	116,385	115,159
Contractual services	144,614	173,555	134,293
Travel	7,221	5,965	6,172
Purchase of investments	17,000,000	6,500,000	20,700,000
Commodities	311	372	841
Printing	385	740	400
Equipment	255	-	-
Electronic data processing	68,720	124,920	15,706
Telecommunications	1,430	1,631	3,735
Automotive	2,356	1,025	814
Nonrecurring refunds and distributions	944,025	679,283	926,725
Pensions, annuities and benefits	138,808,919	131,156,743	124,685,037
Refunds, prior year contributions	29,584	53,367	323
Refunds, not elsewhere classified	-	27,255	29,950
Total expenditures - Fund 0477	157,904,257	139,645,160	147,567,437
<b><u>Judges' Retirement Excess Benefit Fund - 0787</u></b>			
Expenditures			
Pensions, annuities and benefits	1,688,288	1,422,089	981,497
Total nonappropriated expenditures	159,592,545	141,067,249	150,446,469
Grand total expenditures, all Funds	\$ 290,926,545	\$ 273,127,249	\$ 284,428,469

Note 1: Expenditure authority, appropriations, expenditures, and lapsed balances were obtained from the State Comptroller records as of September 30, 2017 and September 30, 2016 and have been reconciled to System records.

Note 2: Expenditure amounts are vouchers approved for payment by the System and submitted to the State Comptroller for payment to the vendor.

Note 3: The State Pension Funds Continuing Appropriation Act (40 ILCS 15/1.1(d)) provides a continuing annual appropriation for the State's Contributions to the System such that the State's total contributions are no less than the required State contributions lawfully submitted by the System under the Illinois Pension Code (40 ILCS 5/18-140). The Circuit Court of Cook County in *People v. Munger* (15 CH 10243) ordered the State Comptroller, in the absence of enacted annual appropriations, to process and pay certified invoice vouchers from the System pursuant to this Statute. Therefore, the System's fiscal years 2016 and 2017 appropriations for Fund 001 were established as the amount certified to the Governor and General Assembly as the State's required contribution for the respective fiscal years.

**Note 2:**  
**Judges' Retirement System of the State of Illinois**  
**Compliance Examination**

**Schedule 3**

**Schedule of Changes in State Property**  
**For the Year Ended June 30, 2017**

	<b>Beginning Balance</b>	<b>Additions</b>	<b>Deletions</b>	<b>Ending Balance</b>
Equipment	\$ 34,728	\$ 254	\$ -	\$ 34,982
Accumulated depreciation	(27,699)	(3,744)	-	(31,443)
Equipment, net	7,029	(3,490)	-	3,539
Internally developed software	44,222	14,287	-	58,509
Accumulated amortization	(3,283)	(2,926)	-	(6,209)
Internally developed software, net	40,939	11,361	-	52,300
Capital assets, net	\$ 47,968	\$ 7,871	\$ -	\$ 55,839

Note 1: This schedule has been reconciled to property reports (C-15 Agency Report of State Property) submitted to the Office of the State Comptroller.

Note 2: This summary schedule was prepared using State property records required by the Illinois Administrative Code. The capitalization policy in the code is different than the capitalization policy established by the Office of the State Comptroller for financial reporting in accordance with generally accepted accounting principles.

**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Schedule 4**

**Comparative Schedule of Cash Receipts  
For the Years Ended June 30, 2017 and 2016**

	2017	2016
Receipts:		
Participant contributions	\$ 14,779,320	\$ 14,926,139
Employer contributions:		
General Revenue Fund	120,419,750	132,140,084
Paid by Participants	-	-
Interest income on cash balances	311,677	141,852
Reimbursement from General Assembly Retirement System	236,586	275,213
Cancellation of annuities, net of overpayments	102,874	72,006
Tax-deferred installment payments	-	12,740
Transfers from Illinois State Board of Investment	-	10,000,000
Miscellaneous	108	700
	<hr/>	<hr/>
Total cash receipts, per book	<u>\$ 135,850,315</u>	<u>\$ 157,568,734</u>

**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Schedule 5**

**Reconciliation Schedule of Cash Receipts  
to Deposits Remitted to the State Comptroller  
For the Years Ended June 30, 2017 and 2016**

	2017	2016
Total cash receipts, per books	\$ 135,850,315	\$ 157,568,734
Add (deduct)		
Interest on cash balances	(311,677)	(141,852)
Cancellation of annuities	(102,874)	(72,006)
Deposits in transit		
Beginning of year	471	-
End of year	(6,141)	(471)
Prior fiscal year intergovernmental payment vouchers deposited into the GARS Trust Fund (Fund #0477) during the current fiscal year*	(5,502,500)	(5,582,584)
Current fiscal year intergovernmental payment vouchers submitted to the Comptroller's office but not yet deposited into the GARS Trust Fund (Fund #0477)*	16,416,750	5,502,500
Deposits remitted to the State Comptroller for order into the State Treasury	<u>\$ 146,344,344</u>	<u>\$ 157,274,321</u>

\* Intergovernmental transfers are GRF employer contributions that are deposited in the JRS Trust Fund (Fund #0477). Intergovernmental transfers are recorded as revenue on the monthly revenue report (SB04) at the time the intergovernmental payment voucher is entered into the SAMS system. JRS does not record the intergovernmental transfer as a receipt until the voucher has been released and the payment has been deposited into the Trust Fund.

**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Schedule 6**

**Comparative Schedule of Cash Balances  
For the Years Ended June 30, 2017 and 2016**

	<b>2017</b>	<b>2016</b>
Cash in State Treasury	<u>\$ 25,657,962</u>	<u>\$ 49,540,595</u>

The decrease in cash balances from the prior year is mainly due to timing differences in the receipts, expenditures and transfer of funds from the Illinois State Board of Investment (ISBI).

**Comparative Schedule of Changes in Investment Balances  
For the Years Ended June 30, 2017 and 2016**

Pursuant to Article 22A of the Illinois Pension Code, investments of the Judges' Retirement System of Illinois are managed by the Illinois State Board of Investment (ISBI) and are held in the ISBI commingled Fund. Units of the ISBI Commingled Fund are issued to the member systems 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 member systems on the last day of the month on the basis of percentage of accumulated units owned by the respective systems.

Investment portfolio management and performance are the direct responsibility of the ISBI which establishes investment policy and strategy.

Comparison of the changes in the System's investments held in the ISBI Commingled fund for the years ended June 30, 2017 and 2016 is summarized as follows:

	<u>2017</u>	<u>2016</u>
Balance at beginning of year, at fair value	\$ 785,176,162	\$ 795,296,831
Cash transferred to (from) ISBI, net	<u>17,000,000</u>	<u>(3,500,000)</u>
	<u>802,176,162</u>	<u>791,796,831</u>
Investment income		
Interest, dividends and other	21,440,508	23,921,071
Expenses	<u>(1,558,942)</u>	<u>(2,045,207)</u>
	<u>19,881,566</u>	<u>21,875,864</u>
Net appreciation (depreciation) in fair value of investments		
Net unrealized gain (loss) on investments	54,117,000	(35,296,036)
Net realized gain on sales of investments	<u>23,477,390</u>	<u>6,799,503</u>
	<u>77,594,390</u>	<u>(28,496,533)</u>
Total net investment income (loss)	<u>97,475,956</u>	<u>(6,620,669)</u>
Balance at end of year, at fair value	<u>\$ 899,652,118</u>	<u>\$ 785,176,162</u>

Securities lending collateral decreased by \$1.860 million in fiscal year 2017 compared to the fiscal year 2016 ending balance from \$11.503 million to \$9.643 million. The State Treasurer lends securities to broker-dealers and other entities for collateral that will be returned for the same security in the future. Each year the Treasurer provides an allocation to the Comptroller to adjust each State Agency's financial statements to include their proportionate share of the securities lending transaction balances at year end. Securities lending activity can vary from year to year depending on market conditions and the availability of securities to lend.

## **Judges' Retirement System of the State of Illinois Compliance Examination**

### **Analysis of Operations (Unaudited) For the Years Ended June 30, 2017 and 2016**

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#### ***System Functions and Planning Program (Unaudited)***

The Judges' Retirement System of Illinois (System) was created effective July 1, 1941, to establish a method of permitting retirement, without hardship or prejudice, of judges who are aged or otherwise incapacitated, by enabling them to accumulate reserves for themselves and their dependents for old age, disability, death and termination of employment.

The System is governed by Chapter 40, Act 5, Article 18, of the "Illinois Compiled Statutes" and it is administered by a Board of Trustees consisting of five persons, as follows: the State Treasurer, the Chief of the Supreme Court, ex officio and three participating judges appointed by the Supreme Court.

Justice Mary Schostok is Chairperson of the Board of Trustees (Board) and Mr. Timothy B. Blair is the Executive Secretary of the System. The Executive Secretary is appointed by the Board and is charged with the administration of the detailed affairs of the System.

The System is also responsible for the general administration of the State Employees Group Insurance Program as it applies to eligible annuitants. This includes enrollment, processing life insurance claims and other administrative details related to that program.

Currently, the System utilizes a formal planning program which includes, among other things, operational project planning as well as administrative expense budgeting.

The IT operational plan for FY 2017 encompassed numerous system modernization (re-engineering) projects and enhancements. These included the new benefit setup process, service purchase, accounts receivable and pension calculations, system performance tuning, and changes to the annual benefit statements. Additionally, the IT staff continued to perform work to implement the new CMS benefit systems, completed the implementation of the new hyper-converged infrastructure, performed vulnerability / penetration testing remediation, completed full disaster recovery planning and testing, upgraded all Windows Servers to 2012 and upgraded staff computers to Windows 10.

New IT projects to be planned for FY 2018 include: the complete conversion of IT security infrastructure into the new Fort iGATE security system, complete the initial implementation of the new benefit setup and pension calculation, service purchase set up, cash receipts, and receivables. Additionally, the IT staff will upgrade to Office 365 and Microsoft Azure.

#### ***Progress in Funding the System (Unaudited)***

In August 1994, Senate Bill 533 was signed into law as Public Act 88-0593. This funding legislation, which became effective July 1, 1995, 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. Now that the 15-year phase-in is complete, 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 funding legislation also provides for the establishment of a continuing appropriation of the required employer contributions to the System. This, in effect, removed the appropriation of those funds from the annual budgetary process.

Public Act 93-0002 became law on April 7, 2003, and authorized the State to issue \$10 billion in general obligation bonds for the purpose of making contributions to the retirement systems. On June 12, 2003, the State issued \$10 billion in General Obligation Bonds, Pension Funding Series of June 2003.

## Judges' Retirement System of the State of Illinois Compliance Examination

### Analysis of Operations (Unaudited) (Continued) For the Years Ended June 30, 2017 and 2016

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#### ***Progress in Funding the System (Unaudited) (Continued)***

Commencing with fiscal year 2005, the maximum State contribution under Public Act 93-0002 equals the State contribution that would have been required if the general obligation bond contribution had not been made, reduced – but not below zero – by the State's debt service on each system's respective portion of the full \$10 billion of General Obligation Bond, Pension Funding Series of June 2003.

In June 2005, Public Act 94-0004 became law. This legislation further modified the funding plan by reducing the amount of required employer contributions for fiscal years 2006 and 2007 that would have otherwise been required under Public Act 88-0593, as modified by Public Act 93-0002. This act specified the appropriation amounts for fiscal years 2006 and 2007. The required State contributions for fiscal years 2008 through 2010 were then increased incrementally as a percentage of the participant payroll so that by fiscal year 2011, the State was contributing at the required level contribution rate to achieve the financing objective of a 90% funded status by the end of fiscal year 2045.

Public Act 96-0043 became law on July 15, 2009. As required under Public Act 96-0043, the method for determining the actuarial value of assets used to determine the employer contribution rate was changed beginning with the June 30, 2009 valuation. The method was changed from the market/fair value to a smoothed value. The smoothed value recognizes actuarial investment gains or losses for each fiscal year, beginning with FY09, in equal amounts over the ensuing five-year period.

Public Act 96-0889 added a lower tier of benefits for members who first contribute to JRS on or after January 1, 2011. When Public Act 96-1511 was enacted in January 2011, it required the System to assume that the provisions of Public Act 96-0889 were in effect on June 30, 2009 and to recalculate and recertify the fiscal year 2011 state funding requirement. Under this recertification, the fiscal year 2011 state contribution requirement was reduced by \$27.9 million, from \$90.3 million to \$62.4 million.

Under the State's Funding Plan, the actuarial accrued liability of the System at June 30, 2017, amounted to approximately \$2,649.3 million. The actuarial value of assets (at smoothed value) at June 30, 2017 amounted to approximately \$943.0 million. The difference between the actuarial accrued liability and the actuarial value of assets of \$1,706.3 million reflects the unfunded actuarial accrued liability of the System at June 30, 2017 under the State's funding plan. The System had a funded ratio (based on the State's funding plan) of 35.6% at June 30, 2017.

For financial reporting purposes, the System adopted GASB Statement No. 67, *Financial Reporting for Pension Plans*, in the fiscal year ended June 30, 2014. GASB Statement No. 67 requires the use of the market value of assets rather than the actuarial value of assets (smoothed value) used under the State's funding plan in calculating the net pension liability. It also requires that the System use the entry age actuarial cost method rather than the projected unit credit cost method used under the State's funding plan for calculating the total pension liability. In addition, it requires the System use a blended rate of return of 6.58% combining the assumed rate of return of 6.75% and a municipal bond rate of 3.56% based on an index of 20-year general obligation bonds with an average AA rating for investments in the event the System's assets are exhausted in the future.

On June 30, 2017, the System reported for financial reporting purposes under GASB Statement No. 67 that the market value of assets was \$941.8 million. The difference between the total pension liability of \$2,713.0 million and the market value of assets was the net pension liability of \$1,771.2 million and the funded ratio was 34.7%. On June 30, 2016, the market value of assets was \$840.3 million. The difference between the System's June 30, 2016 total pension liability of \$2,637.6 million and the market value of assets was the June 30, 2016 net pension liability of \$1,797.3 million and the funded ratio was 31.9%.

**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Analysis of Operations (Unaudited) (Continued)  
For the Years Ended June 30, 2017 and 2016**

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***Progress in Funding the System (Unaudited) (Continued)***

The market value of the assets of the fund, that were available for benefits, increased from \$840.3 million as of June 30, 2016 to \$941.8 million as of June 30, 2017. The increase is due to the favorable return on fund assets. The actuarial value of the assets of \$943.0 million at June 30, 2017, is \$1.2 million greater than the market value of the assets due to recognition of 80% of the actuarial gain in fiscal year 2013, 80% of the actuarial gain in fiscal year 2014, 60% of the actuarial gain in fiscal year 2015, 40% of the actuarial loss in fiscal year 2016 and 20% of the actuarial gain in fiscal year 2017.

State required contributions to the System for the next five fiscal years are noted in the table below.

<b>Year Ended June 30</b>	<b>Required State Contribution (in millions)</b>
2018	\$ 135.6
2019	140.5
2020	143.3
2021	147.2
2022	150.9

The Schedule of the State's Net Pension Liability (in millions) for fiscal years ending June 30, 2017 and 2016 are noted in the table below.

	<b>2017</b>	<b>2016</b>
Total pension liability	\$ 2,713.0	\$ 2,637.6
Plan fiduciary net position	941.8	840.3
State's net pension liability (asset)	<u>\$ 1,771.2</u>	<u>\$ 1,797.3</u>
Plan fiduciary net position as a percentage of the total pension liability	34.71 %	31.86 %
Covered payroll	\$ 139.7	\$ 139.5
State's net pension liability (asset) as a percentage of covered payroll	1,267.54 %	1,288.01 %

**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Analysis of Operations (Unaudited) (Continued)  
For the Years Ended June 30, 2017 and 2016**

The Schedule of State Contributions for the fiscal years ending June 30, 2017 and 2016 are noted in the table below.

<b>Year Ended June 30,</b>	<b>Actuarially Determined Contribution</b>	<b>Contributions Received</b>	<b>Contribution (Deficiency) Excess</b>	<b>Covered Payroll</b>	<b>Contributions Received as a Percentage of Covered Payroll</b>
2017	\$152,699,188	\$131,334,000	(\$21,365,188)	\$139,737,508	93.99%
2016	121,362,703	132,060,000	10,697,297	139,537,967	94.64%

**Notes to the 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. Covered payroll for fiscal years June 30, 2017 and June 30, 2016 were restated to comply with the requirements of GASB Statement No. 82.

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

Actuarial Cost Method:	Projected Unit Cost
Amortization Method:	Normal cost plus a level percentage of uncapped payroll amortization of the unfunded accrued liability.
Remaining Amortization Period:	25 years, closed
Asset Valuation Method:	5 year smoothed market
Inflation:	3.00 percent
Salary Increases:	A salary increase assumption of 3.75 percent per annum, compounded annually, was used. This 3.75 percent salary increase assumption includes an inflation component of 3.00 percent per annum, a productivity component of 0.60 percent per annum, and a merit/promotion component of 0.15 percent per annum.
Post-Retirement Benefits:	Post-retirement benefit increases of 3.00 percent, compounded, for Tier 1 and 3.00 percent or the annual change in the Consumer Price Index, whichever is less, compounded for Tier 2.
Investment Rate of Return:	7.00 percent

**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Analysis of Operations (Unaudited) (Continued)  
For the Years Ended June 30, 2017 and 2016**

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Retirement Age:	Age-based table of rates that are specific to the type of eligibility.
Mortality:	RP-2000 Combined Healthy Mortality Table, sex distinct, projected to 2015 (static table) setback three (3) years for males and two (2) years for females.

***Analysis of Significant Variations in Expenditures (Unaudited)***

The System's expenditures, obtained from Schedule 2, have been analyzed for fluctuations greater than \$250,000 and 20% from the previous year.

	2017	2016	Increase (Decrease)
Purchase of investments	\$ 17,000,000	\$ 6,500,000	\$ 10,500,000 (1)
Nonrecurring refunds and distributions	944,025	679,283	264,742 (2)

(1) The System strives to maintain a Trust Fund cash balance sufficient to cover two months of operating expenses. Any projected Trust Fund balance excess or shortfall is transferred to or transferred from the Illinois State Board of Investments, respectively. The increase represents the increase in excess of cash balance that was transferred to the Illinois State Board of Investment for long-term investment due to the timing of the GRF employer contribution payments going into the new fiscal year.

(2) There were 16 nonrecurring refunds and distributions in fiscal year 2016 compared to 24 in fiscal year 2017 (a 50% increase), which accounts for the 39% increase in dollar distributions.

**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Analysis of Operations (Unaudited) (Continued)  
For the Years Ended June 30, 2017 and 2016**

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***Analysis of Significant Variations in Cash Receipts (Unaudited)***

The System's expenditures, obtained from Schedule 4, have been analyzed for fluctuations greater than \$250,000 and 20% from the previous year.

	2017	2016	Increase (Decrease)
Transfers from Illinois State Board of Investment	\$ -	\$ 10,000,000	\$ (10,000,000) (1)

- (1) During fiscal year 2016, the System had to draw down from plan assets in order to make the November 2015 benefit payment due to the delay in the receipt of the GRF employer contribution. There was sufficient cash in the fund to make benefit payments during fiscal year 2017 eliminating the need to transfer money down.

***Analysis of Significant Lapse Period Spending (Unaudited)***

The System's lapse period spending, obtained from Schedule 1, has been analyzed for spending greater than \$50,000 and 20% in any appropriated line item

There was no lapse period spending in fiscal year 2017 appropriated lines that met the criteria.

**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Analysis of Operations (Unaudited) (Continued)  
For the Years Ended June 30, 2017 and 2016**

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***Analysis of Contributions Receivable (Unaudited)***

	2017	2016
Employer contributions	\$ 16,416,750	\$ 5,502,500
Participants' contributions	105,243	114,096
Refundable annuities	13,643	5,660
Interest on cash balances	29,509	20,664
Due from General Assembly Retirement System, State of Illinois	58,194	61,061
Total receivables	<u>\$ 16,623,339</u>	<u>\$ 5,703,981</u>

The variance in total receivables from 2016 to 2017 is primarily due to approximately \$10,914,250 more employer contributions receivable from the General Revenue Fund at June 30, 2017. During fiscal years 2017 and 2016, the monthly allocations of employer contributions from the General Revenue Fund were \$10,944,500 and \$11,005,000, respectively. At June 30, 2017 and 2016, the System was due 1.5 months and .5 month of allocated employer contributions, or \$16,416,750 and \$5,502,500, respectively. No receivables were deemed noncollectable at June 30, 2017. Accounts are first analyzed by System personnel for collectability before being sent to the Attorney General's office for final determination.

**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Analysis of Operations (Unaudited) (Continued)  
For the Years Ended June 30, 2017 and 2016**

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***Budget Impasse Disclosures (Unaudited)***

All of the System's Fiscal Year 2016 and Fiscal Year 2017 costs were paid pursuant to continuing appropriations / court orders or from nonappropriated funds. The System did not have any outstanding unpaid invoices from Fiscal Year 2016 or Fiscal year 2017 after the closure of the Fiscal Year 2016 Lapse Period on August 31, 2016, or the closure of the Fiscal Year 2017 lapse period on September 30, 2017, respectively.

***Alternative Financing in Lieu of Appropriations and Programs to Address Untimely Payments to Vendors (Unaudited)***

The System and its vendors did not participate in alternative financing in lieu of enacted appropriations involving the Illinois Finance Authority during Fiscal Year 2016 and Fiscal Year 2017.

None of the System's vendors participated in the Vendor Payment Program (VPP) or the Vendor Support Initiative Program (VSI) during Fiscal Year 2016 and Fiscal Year 2017.

***Interest Costs on Fiscal Year 2017 Invoices (Unaudited)***

The System did not incur any prompt payment interest due to vendors under the State Prompt Payment Act (Act) (30 ILCS 540). The System's vendors were paid from funds and accounts that are ineligible for prompt payment interest due to vendors under the Act.

***Money-Weighted Rate of Return (Unaudited)***

Pursuant to Article 22A of the Illinois Pension Code, investments of the Judges' Retirement System of Illinois are managed by the Illinois State Board of Investment (ISBI) and are held in the ISBI Commingled Fund. ISBI operates under a long-range investment plan with the objective to maximize the total rate of return. The objectives set forth are as follows:

- At least equal to the assumed actuarial interest rate, currently 6.75% per year.
- At least equal to the return of a composite benchmark of market indices in the same proportions as the Board's asset allocation policy targets.

The time-weighted rate of return of the ISBI Commingled Fund was 12.3% for fiscal year 2017. The ISBI's total fund performance was more than the composite benchmark of 12.0% for the year ended June 30, 2017.

**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Analysis of Operations (Unaudited) (Continued)  
For the Years Ended June 30, 2017 and 2016**

The annual money-weighted rate of return, net of investment expense, as of June 30, 2017 and 2016 was as follows:

	<u>2017</u>	<u>2016</u>
Money-weighted return*	12.4%	(0.6)%

\* The annual money-weighted rate of return expresses the investment performance, net of investment expense, adjusted for changing amounts actually invested.

**Average Number of System Employees (Unaudited)**

The average number of employees during the years ended June 30, 2017 and 2016 are functionally classified as follows:

	<u>2017</u>	<u>2016</u>
Executive and administrative	2	3
Accounting, bookkeeping and clerical	3	3
Total	<u>5</u>	<u>6</u>

**Comparison of Administrative Expenses to Total Expenses (Unaudited)**

	<u>2017</u>	<u>2016</u>
Total expenses		
Benefits	\$ 140,497,204	\$ 132,571,796
Refunds	974,665	658,051
Administrative	914,405	942,950
Total expenses	<u>\$ 142,386,274</u>	<u>\$ 134,172,797</u>
Administrative expenses as a percentage of total expenses	<u>0.6%</u>	<u>0.7%</u>

Administrative expenses are not subject to appropriation control but are controlled by budgets adopted by the Board of Trustees. Administrative expenses common to the Judges' Retirement System of Illinois and the General Assembly Retirement System of Illinois are paid 75% by the Judges' Retirement System of Illinois and 25% by the General Assembly Retirement System of Illinois. Invoices/vouchers covering common expenses incurred are paid by the Judges' Retirement System of Illinois and the applicable percent is allocated to and reimbursed by the General Assembly Retirement System of Illinois.

**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Analysis of Operations (Unaudited) (Continued)  
For the Years Ended June 30, 2017 and 2016**

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***Schedule of Contributions/Deductions and Effect on Investments (Unaudited)***

Below is a schedule of contributions received by the System and expenditures of the System for benefits and operations and the effect of these transactions on the System's investments.

	<u>2017</u>	<u>2016</u>
<b>Contributions</b>		
Participant contributions	\$ 14,770,467	\$ 14,962,055
Employer contributions	131,334,000	132,060,000
	<u>146,104,467</u>	<u>147,022,055</u>
<b>Deductions</b>		
Retirement benefits	116,611,033	109,011,315
Survivor benefits	23,845,754	23,560,481
Temporary disability	40,417	-
Refunds	974,665	658,051
Administrative expenses	914,405	942,950
	<u>142,386,274</u>	<u>134,172,797</u>
<b>Total Deductions</b>		
	<u>142,386,274</u>	<u>134,172,797</u>
<b>Contributions in Excess of Deductions</b>	<u>\$ 3,718,193</u>	<u>\$ 12,849,258</u>

**Judges' Retirement System of the State of Illinois  
Compliance Examination**

**Analysis of Operations (Unaudited) (Continued)  
For the Years Ended June 30, 2017 and 2016**

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***Service Efforts and Accomplishments (Unaudited)***

	<u>2017</u>	<u>2016</u>
Membership data		
Active members	953	947
Inactive members	11	12
	<hr/>	<hr/>
Total members	964	959
	<hr/> <hr/>	<hr/> <hr/>
Benefit payments processed		
Recurring		
Retirement annuities (1)	852	817
Survivors' annuities (2)	322	327
Temporary disability	1	-
	<hr/>	<hr/>
Total	1,175	1,144
	<hr/> <hr/>	<hr/> <hr/>
Termination refunds processed	7	1
	<hr/> <hr/>	<hr/> <hr/>
Retirement counseling*		
One-on-one counseling programs held	26	27
Preretirement seminars held	4	8

\* Held in conjunction with the General Assembly Retirement System, State of Illinois.

(1) 100% of the fiscal year 2017 retirement annuities were processed in less than 30 days.

(2) 100% of the fiscal year 2017 survivors' annuities were processed in less than 30 days.