



## September Financial Reporting & Expenses

Succeeding this cover page are the STRS Ohio financial reports & expenses for the period ending Sept. 30, 2019. The unaudited reports that follow are:

- *Statement of Changes in Net Position* — This statement reflects fiscal year-to-date additions and deductions to the plans' net position. Items such as contributions, investment income and benefit payments are included in this financial report.
- *Actual Expenses vs. Budget* — This report reflects current month operating expenses and fiscal year-to-date expenses compared to fiscal year-to-date pro-rata budgeted amounts approved by the Board. In addition to operating expenses, a similar comparison is made of capital and State of Ohio expenses.
- *Expense Notes* — This report provides helpful explanations around larger or infrequent expenses.
- *Detailed Operating Expenses* — This report provides the specific companies or individuals paid by STRS Ohio for operating expenses during the month.

STRS Ohio's funds are held in trust for the sole benefit of the retirement system's members and their beneficiaries. Benefits paid by STRS Ohio are funded by contributions from Ohio's public educators and their employers and the investment returns generated by the assets in which those contributions are invested. STRS receives no general revenue funds — in other words, none of the State of Ohio's budget is expended to support STRS Ohio's benefits or operations.

STRS Ohio' operating expenses are paid solely out of investment returns — no member contributions or tax dollars are expended. STRS Ohio's operating budget is approved by the retirement system's board of trustees, who under Ohio law act as fiduciaries to the retirement system's members. Additionally, prior to approval by the STRS Ohio Board, the operating budget is, by law, reviewed by the Ohio Retirement Study Council, which is comprised of members of the Ohio House and Senate, three members appointed by the Governor, as well as the executive directors of Ohio's five public retirement systems.

Questions about the reports attached can be sent to [ContactUs@strsoh.org](mailto:ContactUs@strsoh.org).

**State Teachers Retirement System of Ohio**  
 Statement of Changes in Net Position  
 For the Period July 1, 2019 through September 30, 2019

	Defined Benefit Plans	Defined Contribution	Postemployment Healthcare	Totals
<b>Additions:</b>				
<b>Contributions:</b>				
Member	391,738,311	26,208,770		\$417,947,081
Employer	416,261,758	10,192,300		\$426,454,057
Transfers from Defined Contribution Plan	6,793,453	(6,794,163)		
Government reimbursements			13,330,204	13,330,204
Benefit recipient healthcare premiums			76,157,937	76,157,937
Other retirement systems	8,941,354			8,941,354
Total contributions	<u>823,734,875</u>	<u>29,606,907</u>	<u>89,488,141</u>	<u>942,830,633</u>
<b>Net investment income (loss)</b>	<b><u>854,354,967</u></b>	<b><u>18,645,033</u></b>	<b><u>40,000,000</u></b>	<b><u>913,000,000</u></b>
<b>Total additions</b>	<b>\$1,678,089,842</b>	<b>\$48,251,941</b>	<b>\$129,488,141</b>	<b>\$1,855,830,633</b>
<b>Deductions:</b>				
Service retirement	1,707,605,619			1,707,605,619
Disability retirement	49,523,034			49,523,034
Survivor benefits	31,175,879			31,175,879
Health care			138,102,303	138,102,303
Other	7,624,037			7,624,037
Total benefit payments	<u>1,795,928,569</u>		<u>138,102,303</u>	<u>1,934,030,872</u>
Refunds to members who have withdrawn	71,297,520	19,812,407		91,109,927
Administrative expenses	23,077,116		605,759	23,682,875
<b>Total deductions</b>	<b><u>\$1,890,303,205</u></b>	<b><u>\$19,812,407</u></b>	<b><u>\$138,708,062</u></b>	<b><u>\$2,048,823,674</u></b>
<b>Net increase (decrease)</b>	<b>(\$212,213,363)</b>	<b>\$28,439,533</b>	<b>(\$9,219,921)</b>	<b>(\$192,993,041)</b>
<b>Net position held in trust for pension and postemployment healthcare benefits</b>				
<b>Beginning of year</b>	<b><u>74,096,239,886</u></b>	<b><u>1,630,305,466</u></b>	<b><u>3,872,157,689</u></b>	<b><u>79,598,703,041</u></b>
<b>End of period</b>	<b><u>\$73,884,026,523</u></b>	<b><u>\$1,658,744,999</u></b>	<b><u>\$3,862,937,768</u></b>	<b><u>\$79,405,710,000</u></b>

**STATE TEACHERS RETIREMENT SYSTEM**  
 Actual Expenses vs. Budget  
 For the Month and Fiscal Year-to-Date Ended September 30, 2019

	September	August	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
Compensation	\$ 3,986,686	\$ 6,023,203	\$ 14,076,150	\$ 14,042,057	\$ 63,432,100	\$ 13,940,426
Fringe Benefits	1,337,139	1,618,794	4,312,267	4,445,383	18,134,800	4,086,860
Professional and Technical Services	272,826	1,280,982	2,448,801	2,522,316	11,166,500	2,048,116
Repairs and Maintenance	363,953	1,034,333	1,683,323	1,583,808	5,874,900	1,615,409
Travel and Vehicles	65,874	19,251	95,939	108,087	705,500	96,259
Communications	251,851	78,490	374,280	423,768	2,018,200	401,172
Utilities	84,645	108,583	237,081	185,842	1,018,000	193,896
Supplies and Materials	37,592	115,696	189,402	242,293	899,800	241,406
Other Expenses	33,145	53,998	209,010	189,799	1,160,700	157,703
<b>Total Operating Expenses</b>	<b>\$ 6,433,711</b>	<b>\$ 10,333,330</b>	<b>\$ 23,626,253</b>	<b>\$ 23,743,352</b>	<b>\$ 104,410,500</b>	<b>\$ 22,781,247</b>
Capital Budget	\$ 11,254	\$ 28,577	\$ 39,831	\$ 39,831	\$ 4,930,900	\$ 141,756
State of Ohio Expenses	\$ 186	\$ 176	\$ 56,622	\$ 56,622	\$ 363,500	\$ 65,622
Capital Budget Carryover: Fiscal 2019	\$ 0	\$ 0	\$ 34,259	\$ 34,259	\$ 1,855,979	\$ 144,021

Staffing Information:	September	August	July
Budgeted FTE Associates	535	535	535
Full Time Equivalent Associates	517	516	517
Open FTE Positions	19	20	16

\_\_\_\_\_ Mr. Rhodes \_\_\_\_\_ moved, seconded by \_\_\_\_\_ Mr. Lard \_\_\_\_\_, that the report be accepted and the expenditures for the month ending September 30, 2019 in the total amount of \$6,445,151 be approved.

**STATE TEACHERS RETIREMENT SYSTEM**

Actual Expenses vs. Budget

For the Month and Fiscal Year-to-Date Ended September 30, 2019

	September	August	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
<b>COMPENSATION</b>						
Salary and Wages	\$ 3,959,999	\$ 5,999,311	\$ 13,941,805	\$ 13,916,673	\$ 51,690,500	\$ 13,754,776
Other Compensation	3,599	1,793	9,493	7,017	23,100	7,155
Incentive Compensation	0	0	0	0	9,400,000	0
Unused Vacation and Sick Leave	6,128	5,950	80,646	80,646	2,088,700	140,604
Overtime	10,460	10,974	29,331	22,846	94,500	25,541
Service Awards	6,500	5,175	14,875	14,875	135,300	12,350
<b>Total Compensation</b>	<b>\$ 3,986,686</b>	<b>\$ 6,023,203</b>	<b>\$ 14,076,150</b>	<b>\$ 14,042,057</b>	<b>\$ 63,432,100</b>	<b>\$ 13,940,426</b>
<b>FRINGE BENEFITS</b>						
OPERS Employer Cost	\$ 563,659	\$ 846,138	\$ 1,974,831	\$ 1,954,598	\$ 8,320,600	\$ 1,952,250
Medical/Hospitalization Insurance	626,644	582,076	1,854,764	1,937,500	7,750,000	1,726,151
Medicare	57,036	85,218	200,186	251,165	932,900	196,670
Dental Insurance	48,713	49,111	146,459	142,683	566,000	148,876
Educational Assistance	3,671	15,174	21,271	44,374	110,000	40,583
Workers' Compensation	7,490	11,268	26,446	29,615	110,000	(57,700)
Life Insurance	23,367	23,298	69,883	54,877	235,000	59,538
Disability Insurance	8,564	8,511	25,287	24,980	95,300	26,159
Wellness	(2,005)	(2,000)	(6,860)	0	0	(6,791)
Unemployment Compensation	0	0	0	5,590	15,000	1,124
<b>Total Fringe Benefits</b>	<b>\$ 1,337,139</b>	<b>\$ 1,618,794</b>	<b>\$ 4,312,267</b>	<b>\$ 4,445,383</b>	<b>\$ 18,134,800</b>	<b>\$ 4,086,860</b>
<b>PROFESSIONAL AND TECHNICAL SERVICES</b>						
Actuary	\$ 13,263	\$ 46,687	\$ 59,950	\$ 49,265	\$ 255,000	\$ 47,965
Audit	0	0	0	0	207,500	0
Banking Expense	0	381	381	52,788	75,000	18,760
Board Election Processing	0	0	0	0	72,000	0
Contract Services	83,059	720	85,779	22,045	462,700	16,409
Custodial Banking Fees	0	970	970	30,000	2,250,000	46,966
Data Management and Analytics	0	0	0	0	140,000	15,000
Disaster Recovery	1,002	932	1,934	11,936	69,400	2,242
Employment Verification	1,516	384	1,965	841	5,500	1,428
Health Care Consultant	0	0	0	0	112,000	0
Insurance Consultant	0	0	15,000	15,484	90,000	16,000
Investigative Services	1,315	1,116	2,431	1,501	15,900	1,287
Investment Consultant	20,834	20,833	41,667	42,496	720,000	41,667
Investment Research Services	44,825	1,061,820	1,474,141	1,458,970	2,950,000	1,297,813
Legal Fees	779	22	1,171	71,250	285,000	(72,964)
Medical Examinations	23,280	29,259	68,339	65,443	350,000	56,994
Other Consulting Services	36,937	46,825	83,762	68,176	529,400	81,154
Quotation and Analytic Services	11,972	11,699	508,255	593,400	2,373,600	462,324
Real Estate Contract Services	0	11,184	11,184	13,750	55,000	0
Recruitment Fees	26,117	41,004	74,186	19,970	128,500	5,116
Temporary Employment Services	7,927	7,146	17,686	5,000	20,000	9,955
<b>Total Professional/Technical Services</b>	<b>\$ 272,826</b>	<b>\$ 1,280,982</b>	<b>\$ 2,448,801</b>	<b>\$ 2,522,316</b>	<b>\$ 11,166,500</b>	<b>\$ 2,048,116</b>

September Expenses vs. Budget  
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	September	August	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
<b>REPAIRS AND MAINTENANCE</b>						
Building Maintenance and Equipment	\$ 44,733	\$ 80,317	\$ 175,266	\$ 148,444	\$ 720,000	\$ 147,233
Copiers	11,889	6,171	23,689	20,168	100,000	18,444
Data Processing Equipment	230,185	929,595	1,378,503	1,287,222	4,459,800	1,317,796
Elevators	0	0	0	296	90,000	240
Mail Center Equipment	258	6,156	6,509	6,262	21,500	5,551
Property Tax and Leases	9,057	9,056	27,169	27,188	270,100	27,169
Safety and Security Equipment	65,833	717	66,550	89,646	188,500	93,724
Trash Removal	1,998	2,321	5,637	4,581	25,000	5,252
<b>Total Repairs and Maintenance</b>	<b>\$ 363,953</b>	<b>\$ 1,034,333</b>	<b>\$ 1,683,323</b>	<b>\$ 1,583,808</b>	<b>\$ 5,874,900</b>	<b>\$ 1,615,409</b>
<b>TRAVEL AND VEHICLES</b>						
Gasoline	\$ 777	\$ 503	\$ 1,280	\$ 1,456	\$ 7,600	\$ 1,484
Staff and Board Travel	64,884	18,586	94,284	104,439	686,900	92,895
Vehicle Maintenance	213	162	375	2,192	11,000	1,880
<b>Total Travel and Vehicles</b>	<b>\$ 65,874</b>	<b>\$ 19,251</b>	<b>\$ 95,939</b>	<b>\$ 108,087</b>	<b>\$ 705,500</b>	<b>\$ 96,259</b>
<b>COMMUNICATIONS</b>						
Courier Services	\$ 1,853	\$ 1,577	\$ 4,501	\$ 4,725	\$ 25,200	\$ 4,227
Outsourced Distribution	1,138	2,907	6,768	10,618	121,000	6,993
Photography / Media	0	0	0	0	5,000	0
Postage	160,996	31,872	193,940	286,168	1,160,000	278,439
Printing	62,480	16,232	96,212	48,734	397,000	38,418
Telecommunications	25,384	25,902	72,859	73,523	310,000	73,095
<b>Total Communications</b>	<b>\$ 251,851</b>	<b>\$ 78,490</b>	<b>\$ 374,280</b>	<b>\$ 423,768</b>	<b>\$ 2,018,200</b>	<b>\$ 401,172</b>
<b>UTILITIES</b>						
Electricity	\$ 72,488	\$ 73,314	\$ 186,854	\$ 152,688	\$ 800,000	\$ 162,557
Natural Gas	5,095	11,672	19,568	15,616	120,000	21,762
Oil	0	0	0	0	18,000	0
Water	7,062	23,597	30,659	17,538	80,000	9,577
<b>Total Utilities</b>	<b>\$ 84,645</b>	<b>\$ 108,583</b>	<b>\$ 237,081</b>	<b>\$ 185,842</b>	<b>\$ 1,018,000</b>	<b>\$ 193,896</b>
<b>SUPPLIES AND MATERIALS</b>						
Equipment Supplies	\$ 22,507	\$ 84,671	\$ 134,782	\$ 166,073	\$ 592,700	\$ 173,150
Food Service Supplies	4,699	3,840	12,832	13,500	54,000	7,556
Office Supplies	4,791	6,389	12,101	14,335	52,000	14,290
Personal Computer Software	2,518	3,884	6,402	18,790	61,000	20,165
Publications/Subscriptions	1,670	13,559	15,951	21,988	100,100	18,694
Uniforms	1,407	3,353	7,334	7,606	40,000	7,551
<b>Total Supplies and Materials</b>	<b>\$ 37,592</b>	<b>\$ 115,696</b>	<b>\$ 189,402</b>	<b>\$ 242,293</b>	<b>\$ 899,800</b>	<b>\$ 241,406</b>

September Expenses vs. Budget  
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	September	August	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
<b>OTHER EXPENSES</b>						
Board Employer Reimbursement	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,000	\$ 0
Conferences and Seminars	4,892	9,502	18,634	13,586	100,400	10,766
Dues and Licenses	4,872	17,216	25,640	5,812	162,600	4,749
Equipment Rental	0	0	0	0	0	0
Insurance	0	3,881	112,910	110,631	584,000	103,060
Member/Employer Education Programs	12,532	8,057	23,118	35,025	140,100	19,310
Miscellaneous Expense	1,208	4,682	6,152	2,001	21,200	2,304
Other Board Expense	324	289	613	582	3,800	586
Other Staff Expense	3,121	(102)	3,664	5,725	22,900	726
Training	6,196	10,473	18,279	16,437	122,700	16,202
<b>Total Other Expenses</b>	<b>\$ 33,145</b>	<b>\$ 53,998</b>	<b>\$ 209,010</b>	<b>\$ 189,799</b>	<b>\$ 1,160,700</b>	<b>\$ 157,703</b>
<b>Total Operating Expenses</b>	<b>\$ 6,433,711</b>	<b>\$ 10,333,330</b>	<b>\$ 23,626,253</b>	<b>\$ 23,743,352</b>	<b>\$ 104,410,500</b>	<b>\$ 22,781,247</b>

	September	August	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
Building Improvements	\$ 874	\$ 0	\$ 874	\$ 874	\$ 3,226,500	\$ 141,756
Furniture & Fixtures	0	0	0	0	0	0
Audio Visual	0	0	0	0	0	0
Information Processing	0	0	0	0	744,000	0
Maintenance	10,380	0	10,380	10,380	327,400	0
Miscellaneous	0	0	0	0	0	0
Office	0	0	0	0	45,500	0
Telecommunications	0	0	0	0	0	0
Vehicles	0	0	0	0	28,500	0
Computer Software	0	28,577	28,577	28,577	559,000	0
<b>Total Capital Budget</b>	<b>\$ 11,254</b>	<b>\$ 28,577</b>	<b>\$ 39,831</b>	<b>\$ 39,831</b>	<b>\$ 4,930,900</b>	<b>\$ 141,756</b>
<b>Total State of Ohio Expenses</b>	<b>\$ 186</b>	<b>\$ 176</b>	<b>\$ 56,622</b>	<b>\$ 56,622</b>	<b>\$ 363,500</b>	<b>\$ 65,622</b>
<b>Capital Budget Carryover:</b>						
Fiscal 2019	\$ 0	\$ 0	\$ 34,259	\$ 34,259	\$ 1,855,979	\$ 144,021

## September 2019 Expense Notes

### **Salaries and Fringe Benefits**

Salaries and Wages and associated fringe benefits were back to normal levels in September with the typical two paydays per month.

### **Professional and Technical Services**

Actuary includes pension and health care valuation retainer fees. Contract Services includes annual information security services. Fees to the Board's alternative investment advisor are included in Investment Consultant. Annual fundamental research and public real estate index pricing are included in Investment Research Services. Other Consulting Services includes initial payment for member research and external government relations services. Recruitment Fees includes relocation costs for two new associates.

### **Repairs and Maintenance**

Building Maintenance and Equipment includes exterior window cleaning and a replacement HVAC blower drive. Annual maintenance for quantitative portfolio management, virtual infrastructure, and recruiting applicant tracking software are included in Data Processing Equipment. Annual access card and fire alarm system maintenance and inspection are included in Safety and Security Equipment.

### **Travel and Vehicles**

Staff and Board Travel includes international and alternative investment due diligence trips to England, Turkey, China and Japan.

### **Communications**

Annual member statements and benefit plan summary brochures are included in Postage. Printing includes benefit plan summary brochures.

### **Utilities**

Electricity, Gas and Water charges are for the month of August.

### **Supplies and Materials**

Personal Computer Software includes network monitoring software.

### **Other Expenses**

Dues and Licenses include annual membership dues for the International Foundation of Employee Benefit Plans. Member Education Programs includes field counseling room charges. Online technology and management and leadership skills training is included in Training.

### **Capital Budget**

Capital items for September include replacement batteries for the trading room UPS system.

## STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses

For the Month Ended September 30, 2019

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<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
<b>Compensation</b>		
Salaries & Wages	STRS OHIO	3,976,226
	<b>Total</b>	<b>3,976,226</b>
Overtime	STRS OHIO	10,460
	<b>Total</b>	<b>10,460</b>
	<b>Total Salaries and Wages</b>	<b>3,986,686</b>
<b>Fringe Benefits</b>		
OPERS Employer Cost	STRS OHIO	563,659
	<b>Total</b>	<b>563,659</b>
Medical/Hospitalization Insurance	HEALTHSTRIDES LTD	2,088
	MEDICAL CLAIMS	645,000
	MISC. RECEIPTS	(8,466)
	STRS OHIO	(88,436)
	UNITED HEALTHCARE INSURANCE CO	76,458
	<b>Total</b>	<b>626,644</b>
Medicare	STRS OHIO	57,036
	<b>Total</b>	<b>57,036</b>
Dental Insurance	DELTA DENTAL	49,146
	MISC. RECEIPTS	(433)
	<b>Total</b>	<b>48,713</b>
Educational Assistance	FRANKLIN UNIVERSITY	1,910
	KEIRRA KARSHNER	363
	STRS OHIO	(290)
	WATERMARK LEARNING	1,688
	<b>Total</b>	<b>3,671</b>
Workers' Compensation	STRS OHIO	7,490
	<b>Total</b>	<b>7,490</b>
Life Insurance	LINCOLN NATIONAL LIFE INSURANCE COMPANY	23,367
	<b>Total</b>	<b>23,367</b>
Disability Insurance	LINCOLN NATIONAL LIFE INSURANCE COMPANY	8,564
	<b>Total</b>	<b>8,564</b>
Wellness	CAROLYN GUERCIO-WISLER	480
	MISC. RECEIPTS	(435)
	OHIOHEALTH/WORK HEALTH	460
	STRS OHIO	(2,510)
	<b>Total</b>	<b>(2,005)</b>
	<b>Total Fringe Benefits</b>	<b>1,337,139</b>
<b>Professional and Technical Services</b>		
Actuary	CHEIRON INC	13,263
	<b>Total</b>	<b>13,263</b>
Contract Services	SECUREWORKS INC	83,059
	<b>Total</b>	<b>83,059</b>
Disaster Recovery	FIFTH THIRD BANK-CORP CARD	57
	FIREPROOF RECORDS CENTER	695
	RECOVERY POINT SYSTEMS	250
	<b>Total</b>	<b>1,002</b>



## STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses  
For the Month Ended September 30, 2019

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<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Employment Verification	OHIOHEALTH/WORK HEALTH	808
	SCREENPOINTE INC	708
	<b>Total</b>	<b>1,516</b>
Investigative Services	LEXISNEXIS RISK SOLUTIONS	1,315
	<b>Total</b>	<b>1,315</b>
Investment Consultant	CLIFFWATER LLC	20,834
	<b>Total</b>	<b>20,834</b>
Investment Research Services	EMPIRICAL RESEARCH PARTNERS LLC	17,500
	FTSE INTERNATIONAL LTD	15,195
	TRADEWEB LLC	1,600
	VIRTU ITG PLATFORMS LLC	3,056
	WILSHIRE ASSOCIATES INC	7,474
	<b>Total</b>	<b>44,825</b>
Legal Fees	CALFEE HALTER AND GRISWOLD LLP	67
	MUNGER TOLLES AND OLSON LLP	7
	PORTER WRIGHT MORRIS & ARTHUR LLP	75
	PRYOR CASHMAN LLP	630
	<b>Total</b>	<b>779</b>
Medical Examinations	CLAIRE V WOLFE MD	180
	DISABILITY & IMPAIRMENT EVALUATIONS, INC	5,850
	INDEPENDENT EVALUATORS INC	4,250
	JAMES N ALLEN, MD	360
	JEFFERY C HUTZLER MD	180
	MARC COOPERMAN MD	360
	MARJORIE C GALLAGHER MD	180
	MARTIN J GOTTESMAN MD	7,514
	MEDICAL EVALUATORS LLC	1,100
	ORTHOPEDIC ONE	450
	OSU INTERNAL MEDICINE, LLC	350
	PHYSICAL MEDICINE, SPORTS & INDL LLC	500
	QUALITY EVALUATION INC	675
	STEIMAN NEUROLOGY GROUP INC	1,150
STEPHEN F PARISER, MD	181	
	<b>Total</b>	<b>23,280</b>
Other Consulting Services	CALFEE HALTER AND GRISWOLD LLP	6,000
	FIFTH THIRD BANK	7,497
	SAPERSTEIN ASSOCIATES INC	21,200
	TASC	2,240
	<b>Total</b>	<b>36,937</b>
Quotation and Analytic Service	BLOOMBERG FINANCE LP	8,485
	NYSE MARKET INC	2,552
	OPTIONS PRICE REPORTING AUTHORITY LLC	504
	TSX INC	431
	<b>Total</b>	<b>11,972</b>
Recruitment Fees	MAYFLOWER TRANSIT LLC	13,576
	SELECT LEADERS LLC	449
	THE OHIO STATE UNIVERSITY	149
	UNITED VAN LINES LLC	11,943
	<b>Total</b>	<b>26,117</b>

**STATE TEACHERS RETIREMENT SYSTEM**

Detailed Operating Expenses  
For the Month Ended September 30, 2019

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Temporary Employment Services	DAWSON RESOURCES	3,146
	FIBERCARE	3,106
	OFFICE TEAM	1,675
	<b>Total</b>	<b>7,927</b>
	<b>Total Professional and Technical Services</b>	<b>272,826</b>
<b>Repairs and Maintenance</b>		
Building Maintenance and Equipment	AMBIUS LLC 05	1,573
	BOILER TECH INC	406
	BUCK AND SONS LANDSCAPE SERVICE INC	1,179
	CRANDALL OFFICE FURNITURE INC	808
	FIBERCARE	4,500
	FIREPROOF RECORDS CENTER	200
	GLOBE WINDOW CLEANING INC	17,900
	GRAINGER INC	584
	I SUPPLY COMPANY	2,062
	JOHNSON CONTROLS INC	5,384
	KETCHUM WALTON CO	2,583
	KEY BLUE PRINTS INC	362
	LOEB ELECTRIC CO	52
	LOMBARDI WATER MANAGEMENT INC	1,418
	OHIO CAT	1,011
	PEPCO	63
	SPEER MECHANICAL	2,751
	TERMINIX	401
	WESCO DISTRIBUTION, INC.	1,496
	<b>Total</b>	<b>44,733</b>
Copiers	CANON FINANCIAL SERVICES INC	3,804
	GORDON FLESCH CO INC	7,747
	IMPACT NETWORKING LLC	46
	MT BUSINESS TECHNOLOGIES INC	292
	<b>Total</b>	<b>11,889</b>
Data Processing Equipment	APPLE COMPUTER, INC.	2,239
	BLOOMBERG FINANCE LP	6,910
	CDW GOVERNMENT INC	5,437
	CELARTEM INC	1,492
	COMPONENTSOURCE INC	801
	DIGICERT INC	694
	DIVERSATEC RESOURCES INC	786
	DLT SOLUTIONS INC	18,182
	EXECUTIVE INFORMATION SYSTEMS LLC	45,523
	FIFTH THIRD BANK-CORP CARD	302
	IDM COMPUTER SOLUTIONS INC	1,749
	INDEPENDENTSOFT	110
	IOVATION INC	3,662
	ITEXT SOFTWARE CORPORATION	840
	SERVICE EXPRESS INC	58,008
	SILKROAD TECHNOLOGY INC	12,500
THE OHIO STATE UNIVERSITY	67,380	
XEROX CORPORATION	3,570	
	<b>Total</b>	<b>230,185</b>
Mail Center Equipment	PITNEY BOWES INC	258
	<b>Total</b>	<b>258</b>
Property Tax and Leases	HOLLINGSWORTH CAPITAL PARTNERS COLS LLC	9,057
	<b>Total</b>	<b>9,057</b>

STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses  
For the Month Ended September 30, 2019

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Safety & Security Equipment	ELECTROCOMM COLUMBUS CORP	287
	FIFTH THIRD BANK-CORP CARD	161
	JOHNSON CONTROLS FIRE PROTECTION LP	62,413
	PROTEGIS FIRE AND SAFETY	2,854
	STEWART'S SECURITY SERVICE	118
	<b>Total</b>	<b>65,833</b>
Trash Removal	WASTE MANAGEMENT INC	1,998
	<b>Total</b>	<b>1,998</b>
<b>Total Repairs and Maintenance</b>		<b>363,953</b>
<b>Travel and Vehicles</b>		
Gasoline	FIFTH THIRD BANK-CORP CARD	777
	<b>Total</b>	<b>777</b>
Staff and Board Travel	ALAN J WARNER	912
	AMERICAN EXPRESS COMPANY	36,265
	ANTHONY WEBB	836
	ARTHUR B. LARD	229
	BRIAN PARKS	989
	CAROL L CORRETHEERS	197
	COURTYARD MARRIOTT	204
	DALE L PRICE	183
	DAVID J GRUBER	34
	DEBRA L HULAND	836
	DRURY INN & SUITES	976
	ERIC NEWBERG	31
	EVELIO ROSARIO III	502
	GRANT EDWARDS	630
	GREGORY A TAYLOR	15
	JAMIE LI	35
	JASON A SAUER	456
	JASON J TINCHER	849
	JAY W ALSPAUGH	2,032
	JEFFREY A GILDER	17
	JEFFREY A RHODES	168
	JOHN A BUCH	178
	JUSTIN MAURER	779
	KEITH O HANSON	599
	KENNETH H BLANKE	808
	MARK A RUBECK	586
	MARY K WIEDEMER	233
	MICHAEL M RISTEA	1,905
	NIK TAN	138
	NIKOLE MCBEE	46
	PING ZHOU	420
	REBECCA BLUMENSHEID	60
	ROBERT L VANCE	906
	ROBERT MCFEE	261
	RONALD J MCKILLIP	775
	RYAN (YEON BAE) KONG	1,971
SCOTT J HUNT	286	
SHARA D BAILEY	778	
STEPHEN M REYNARD	3,904	
STEVE JANOWIAK	52	
TAMLA D COLE	271	
THE ATHLETIC CLUB OF COLUMBUS	146	
TIMOTHY S DRAKE	273	
TODD WOLFORD	162	
VINCENT PETITTI	2,725	

## STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses  
For the Month Ended September 30, 2019

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	WALLACE J ROBINSON	226
	<b>Total</b>	<b>64,884</b>
Vehicle Maintenance	MOO MOO CAR WASH	63
	TEAM LUBRICATION INC	150
	<b>Total</b>	<b>213</b>
	<b>Total Travel and Vehicles</b>	<b>65,874</b>
<b>Communications</b>		
Courier Services	RAINBOW EXPRESS INC	1,047
	UNITED PARCEL SERVICE	806
	<b>Total</b>	<b>1,853</b>
Outsourced Distribution	BAESMAN GROUP INC	1,138
	<b>Total</b>	<b>1,138</b>
Postage	FIFTH THIRD BANK-CORP CARD	17
	LORTON DATA INC.	280
	MISC. RECEIPTS	(54)
	RESERVE ACCOUNT	160,000
	STATE MAIL SERVICE-PRESORT	753
	<b>Total</b>	<b>160,996</b>
Printing	ADVANCE GRAPHICS	103
	BAESMAN GROUP INC	8,359
	CAPITOL SQUARE PRINTING	188
	THE OLD TRAIL PRINTING CO INC	42,506
	VERITIV OPERATING COMPANY	10,967
	WEST CAMP PRESS INC	357
	<b>Total</b>	<b>62,480</b>
Telecommunications	AT&T	101
	T-MOBILE	37
	TIME WARNER CABLE	247
	VERIZON WIRELESS	3,801
	WEST UNIFIED COMMUNICATIONS SERVICES INC	89
	WOW BUSINESS	1,788
	XO COMMUNICATIONS	19,321
	<b>Total</b>	<b>25,384</b>
	<b>Total Communications</b>	<b>251,851</b>
<b>Utilities</b>		
Electricity	AMERICAN ELECTRIC POWER	69,697
	CITY OF WESTERVILLE	2,791
	<b>Total</b>	<b>72,488</b>
Natural Gas	COLUMBIA GAS OF OHIO	2,068
	PESCO ENERGY	3,027
	<b>Total</b>	<b>5,095</b>
Water	COLUMBUS CITY TREASURER	7,062
	<b>Total</b>	<b>7,062</b>
	<b>Total Utilities</b>	<b>84,645</b>

## STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses  
For the Month Ended September 30, 2019

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
<b>Supplies and Materials</b>		
Equipment Supplies	APRIL A FRACASSO	90
	CDW GOVERNMENT INC	2,596
	DISCOUNT SCHOOL SUPPLY	328
	FASTSIGNS	70
	FIFTH THIRD BANK-CORP CARD	125
	GORDON FOOD SERVICE	2,553
	I SUPPLY COMPANY	504
	IT SAVVY	9,804
	LOWES BUSINESS ACCOUNT	231
	MNJ TECHNOLOGIES DIRECT INC	565
	QUALITY POOLS	285
	R JANE SHEA	42
	SAM'S CLUB	43
	THE MILLCRAFT PAPER COMPANY	855
	VERITIV OPERATING COMPANY	4,028
	WESTWATER SUPPLY CO	388
	<b>Total</b>	<b>22,507</b>
Food Service Supplies	AVI FOOD SYSTEMS INC	1,494
	COCA-COLA BOTTLING CO CONSOLIDATED	1,136
	FIFTH THIRD BANK-CORP CARD	87
	FIRSTCHOICE	88
	GORDON FOOD SERVICE	17,415
	MISC. RECEIPTS	(8,686)
	READY REFRESH	10
	SAM'S CLUB	436
	SCHNEIDER'S BAKERY INC	296
	STRS OHIO	(8,968)
	TREASURER STATE OF OHIO	1,391
	<b>Total</b>	<b>4,699</b>
Office Supplies	BLUE BOX CORRUGATED INC	237
	CAPITOL OFFICE SUPPLY	84
	CENTRAL OHIO COPIER SUPPLY	2,479
	INDEPENDENT STATIONERS INC	424
	STAPLES BUSINESS ADVANTAGE	1,567
	<b>Total</b>	<b>4,791</b>
Personal Computer Software	CDW GOVERNMENT INC	2,150
	FIFTH THIRD BANK-CORP CARD	368
	<b>Total</b>	<b>2,518</b>
Publications/Subscriptions	DIRECTV	180
	FIFTH THIRD BANK-CORP CARD	346
	MATTHEW BENDER & CO INC	218
	RELX INC DBA LEXISNEXIS	339
	THE COLUMBUS DISPATCH	587
	<b>Total</b>	<b>1,670</b>
Uniforms	CINTAS CORPORATION	1,216
	ECONOMY	191
	<b>Total</b>	<b>1,407</b>
	<b>Total Supplies and Materials</b>	<b>37,592</b>
<b>Other Expenses</b>		
Conferences and Seminars	ASSOCIATION FOR FINANCIAL PROFESSIONALS	1,549
	CASSANDRA REESE	599
	CINNAMON J SAKICH	465
	HUMAN RESOURCES ASSOCIATION-CENTRAL OH	410

## STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses  
For the Month Ended September 30, 2019

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	ISACA CENTRAL OHIO CHAPTER	450
	NATIONAL PENSION EDUCATION ASSOCIATION	825
	OHIO SOCIETY OF CPAS	419
	STANTON WEST	175
	<b>Total</b>	<b>4,892</b>
Dues and Licenses	ASSOCIATION FOR FINANCIAL PROFESSIONALS	495
	COLUMBUS BAR ASSOCIATION	80
	HELP DESK CHAPTERS INC	149
	INTERNATIONAL FOUNDATION	2,530
	PUBLIC RELATIONS SOCIETY OF AMERICA	640
	TODD JACOBSON	473
	URBAN LAND INSTITUTE	240
	WORLD AT WORK	265
	<b>Total</b>	<b>4,872</b>
Member Education Programs	COURTYARD MARRIOTT	615
	DOUBLETREE HOTEL	2,460
	ELIZABETH S SCHMITZ	1,679
	EMPLOYER WORKSHOP REVENUE	(75)
	FIFTH THIRD BANK-CORP CARD	(835)
	HILTON GARDEN INN	2,905
	HOLIDAY INN	5,763
	TODD WOLFORD	20
	<b>Total</b>	<b>12,532</b>
Miscellaneous	CAPITOL SQUARE REVIEW & ADVISORY BOARD	400
	FIFTH THIRD BANK-CORP CARD	260
	FIREPROOF RECORDS CENTER	361
	INFOSTORE LLC	31
	MAPLE LEE FLOWERS	78
	STRS OHIO	24
	TL SAVAGE INC	54
	<b>Total</b>	<b>1,208</b>
Other Board Expense	BOSTON MARKET	184
	MISCELLANEOUS EXPENSE	140
	<b>Total</b>	<b>324</b>
Other Staff Expense	ELIZABETH C DUDLEY	374
	FIFTH THIRD BANK-CORP CARD	171
	HALO BRANDED SOLUTIONS INC	514
	HEATHER SHARPE	80
	JENNIFER MONTENARO	391
	MATTHEW C HOLMAN	48
	MISCELLANEOUS EXPENSE	2,179
	STRS OHIO	(811)
	SUZAN J WALTERS	175
	<b>Total</b>	<b>3,121</b>
Training	HDI/UBM LLC	1,799
	INTERNATIONAL INSTITUTE FOR LEARNING	147
	NIGP-NATL INST GOVERNMENTAL PURCHASING	475
	PMI CENTRAL OHIO CHAPTER	1,075
	THE OHIO STATE UNIVERSITY	2,700
	<b>Total</b>	<b>6,196</b>
	<b>Total Other Expenses</b>	<b>33,145</b>
	<b>Total Operating Expenses</b>	<b>6,433,711</b>

**STATE TEACHERS RETIREMENT SYSTEM**

Detailed Operating Expenses  
For the Month Ended September 30, 2019

ACCOUNT  
State of Ohio Expenses

VENDOR  
TREASURER STATE OF OHIO

AMOUNT  
186