



August Financial Reporting & Expenses

Succeeding this cover page are the STRS Ohio financial reports & expenses for the period ending Aug. 31, 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.

State Teachers Retirement System of Ohio
 Statement of Changes in Net Position
 For the Period July 1, 2019 through August 31, 2019

	Defined Benefit Plans	Defined Contribution	Postemployment Healthcare	Totals
Additions:				
Contributions:				
Member	262,422,448	17,023,845		\$279,446,292
Employer	276,456,314	7,295,933		\$283,752,247
Transfers from Defined Contribution Plan	6,793,453	(6,793,453)		
Government reimbursements			8,898,214	8,898,214
Benefit recipient healthcare premiums			50,845,007	50,845,007
Other retirement systems	7,794,161			7,794,161
Total contributions	<u>553,466,376</u>	<u>17,526,325</u>	<u>59,743,221</u>	<u>630,735,922</u>
Net investment income (loss)	<u>(4,780,246)</u>	<u>(7,219,754)</u>	<u>(5,000,000)</u>	<u>(17,000,000)</u>
Total additions	\$548,686,130	\$10,306,571	\$54,743,221	\$613,735,922
Deductions:				
Service retirement	1,137,254,988			1,137,254,988
Disability retirement	33,101,798			33,101,798
Survivor benefits	20,869,145			20,869,145
Health care			86,337,017	86,337,017
Other	5,876,863			5,876,863
Total benefit payments	<u>1,197,102,794</u>		<u>86,337,017</u>	<u>1,283,439,811</u>
Refunds to members who have withdrawn	49,285,167	13,252,242		62,537,409
Administrative expenses	16,819,754		429,224	17,248,978
Total deductions	<u>\$1,263,207,715</u>	<u>\$13,252,242</u>	<u>\$86,766,241</u>	<u>\$1,363,226,198</u>
Net increase (decrease)	<u>(\$714,521,585)</u>	<u>(\$2,945,671)</u>	<u>(\$32,023,020)</u>	<u>(\$749,490,276)</u>
Net position held in trust for pension and postemployment healthcare benefits				
Beginning of year	<u>74,202,682,566</u>	<u>1,630,014,875</u>	<u>3,870,091,257</u>	<u>79,702,788,698</u>
End of period	<u>\$73,488,160,981</u>	<u>\$1,627,069,204</u>	<u>\$3,838,068,237</u>	<u>\$78,953,298,422</u>

STATE TEACHERS RETIREMENT SYSTEM
 Actual Expenses vs. Budget
 For the Month and Fiscal Year-to-Date Ended August 31, 2019

	August	July	Year-to- Date	Expected Budget- to-Date	Annual Budget	Prior Year-to- Date
Compensation	\$ 6,023,203	\$ 4,066,261	\$ 10,089,464	\$ 10,042,102	\$ 63,432,100	\$ 9,868,658
Fringe Benefits	1,618,794	1,356,334	2,975,128	3,073,606	18,134,800	2,792,013
Professional and Technical Services	1,280,982	894,993	2,175,975	1,989,159	11,166,500	1,690,808
Repairs and Maintenance	1,034,333	285,037	1,319,370	920,955	5,874,900	892,158
Travel and Vehicles	19,251	10,814	30,065	50,425	705,500	44,855
Communications	78,490	43,939	122,429	211,885	2,018,200	196,147
Utilities	108,583	43,853	152,436	146,345	1,018,000	151,078
Supplies and Materials	115,696	36,114	151,810	125,771	899,800	118,287
Other Expenses	53,998	121,867	175,865	157,879	1,160,700	128,252
Total Operating Expenses	\$ 10,333,330	\$ 6,859,212	\$ 17,192,542	\$ 16,718,127	\$ 104,410,500	\$ 15,882,256
Capital Budget	\$ 28,577	\$ 0	\$ 28,577	\$ 28,577	\$ 4,930,900	\$ 140,163
State of Ohio Expenses	\$ 176	\$ 56,260	\$ 56,436	\$ 56,436	\$ 363,500	\$ 65,446
Capital Budget Carryover: Fiscal 2019	\$ 0	\$ 34,259	\$ 0	\$ 0	\$ 1,855,979	\$ 144,021

Staffing Information:	August	July	June
Budgeted FTE Associates	535	535	538
Full Time Equivalent Associates	516	517	516
Open FTE Positions	20	16	9

_____ Mr. Price _____ moved, seconded by _____ Mr. Gruber _____, that the report be accepted and the expenditures for the month ending August 31, 2019 in the total amount of \$10,362,083 be approved.

STATE TEACHERS RETIREMENT SYSTEM

Actual Expenses vs. Budget
For the Month and Fiscal Year-to-Date Ended August 31, 2019

	August	July	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
COMPENSATION						
Salary and Wages	\$ 5,999,311	\$ 3,982,495	\$ 9,981,806	\$ 9,940,481	\$ 51,690,500	\$ 9,838,990
Other Compensation	1,793	4,101	5,894	3,043	23,100	3,103
Incentive Compensation	0	0	0	0	9,400,000	0
Unused Vacation and Sick Leave	5,950	68,568	74,518	74,518	2,088,700	5,055
Overtime	10,974	7,897	18,871	15,685	94,500	17,535
Service Awards	5,175	3,200	8,375	8,375	135,300	3,975
Total Compensation	\$ 6,023,203	\$ 4,066,261	\$ 10,089,464	\$ 10,042,102	\$ 63,432,100	\$ 9,868,658
FRINGE BENEFITS						
OPERS Employer Cost	\$ 846,138	\$ 565,034	\$ 1,411,172	\$ 1,395,462	\$ 8,320,600	\$ 1,395,201
Medical/Hospitalization Insurance	582,076	646,044	1,228,120	1,291,667	7,750,000	1,136,461
Medicare	85,218	57,932	143,150	179,404	932,900	139,823
Dental Insurance	49,111	48,635	97,746	95,501	566,000	99,646
Educational Assistance	15,174	2,426	17,600	37,549	110,000	34,341
Workers' Compensation	11,268	7,688	18,956	21,154	110,000	(65,554)
Life Insurance	23,298	23,218	46,516	36,675	235,000	39,790
Disability Insurance	8,511	8,212	16,723	15,305	95,300	16,027
Wellness	(2,000)	(2,855)	(4,855)	0	0	(3,901)
Unemployment Compensation	0	0	0	890	15,000	179
Total Fringe Benefits	\$ 1,618,794	\$ 1,356,334	\$ 2,975,128	\$ 3,073,606	\$ 18,134,800	\$ 2,792,013
PROFESSIONAL AND TECHNICAL SERVICES						
Actuary	\$ 46,687	\$ 0	\$ 46,687	\$ 42,269	\$ 255,000	\$ 41,154
Audit	0	0	0	0	207,500	0
Banking Expense	381	0	381	28,121	75,000	9,994
Board Election Processing	0	0	0	0	72,000	0
Contract Services	720	2,000	2,720	5,374	462,700	4,000
Custodial Banking Fees	970	0	970	20,000	2,250,000	24,980
Data Management and Analytics	0	0	0	0	140,000	15,000
Disaster Recovery	932	0	932	5,398	69,400	1,014
Employment Verification	384	65	449	430	5,500	729
Health Care Consultant	0	0	0	0	112,000	0
Insurance Consultant	0	15,000	15,000	15,484	90,000	16,000
Investigative Services	1,116	0	1,116	467	15,900	400
Investment Consultant	20,833	0	20,833	21,248	720,000	20,833
Investment Research Services	1,061,820	367,496	1,429,316	1,147,716	2,950,000	1,020,940
Legal Fees	22	370	392	7,919	285,000	1,464
Medical Examinations	29,259	15,800	45,059	42,203	350,000	36,754
Other Consulting Services	46,825	0	46,825	24,181	529,400	28,784
Quotation and Analytic Services	11,699	484,584	496,283	593,400	2,373,600	459,030
Real Estate Contract Services	11,184	0	11,184	13,750	55,000	0
Recruitment Fees	41,004	7,065	48,069	17,866	128,500	4,577
Temporary Employment Services	7,146	2,613	9,759	3,333	20,000	5,155
Total Professional/Technical Services	\$ 1,280,982	\$ 894,993	\$ 2,175,975	\$ 1,989,159	\$ 11,166,500	\$ 1,690,808

August Expenses vs. Budget
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	August	July	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
REPAIRS AND MAINTENANCE						
Building Maintenance and Equipment	\$ 80,317	\$ 50,216	\$ 130,533	\$ 103,454	\$ 720,000	\$ 102,610
Copiers	6,171	5,629	11,800	15,755	100,000	14,409
Data Processing Equipment	929,595	218,723	1,148,318	743,300	4,459,800	663,160
Elevators	0	0	0	0	90,000	0
Mail Center Equipment	6,156	95	6,251	5,971	21,500	5,293
Property Tax and Leases	9,056	9,056	18,112	18,125	270,100	18,112
Safety and Security Equipment	717	0	717	31,417	188,500	85,212
Trash Removal	2,321	1,318	3,639	2,933	25,000	3,362
Total Repairs and Maintenance	\$ 1,034,333	\$ 285,037	\$ 1,319,370	\$ 920,955	\$ 5,874,900	\$ 892,158
TRAVEL AND VEHICLES						
Gasoline	\$ 503	\$ 0	\$ 503	\$ 538	\$ 7,600	\$ 548
Staff and Board Travel	18,586	10,814	29,400	47,794	686,900	42,511
Vehicle Maintenance	162	0	162	2,094	11,000	1,796
Total Travel and Vehicles	\$ 19,251	\$ 10,814	\$ 30,065	\$ 50,425	\$ 705,500	\$ 44,855
COMMUNICATIONS						
Courier Services	\$ 1,577	\$ 1,071	\$ 2,648	\$ 3,378	\$ 25,200	\$ 3,022
Outsourced Distribution	2,907	2,723	5,630	5,620	121,000	3,701
Photography / Media	0	0	0	0	5,000	0
Postage	31,872	1,072	32,944	106,217	1,160,000	103,348
Printing	16,232	17,500	33,732	48,734	397,000	38,418
Telecommunications	25,902	21,573	47,475	47,937	310,000	47,658
Total Communications	\$ 78,490	\$ 43,939	\$ 122,429	\$ 211,885	\$ 2,018,200	\$ 196,147
UTILITIES						
Electricity	\$ 73,314	\$ 41,052	\$ 114,366	\$ 119,636	\$ 800,000	\$ 127,369
Natural Gas	11,672	2,801	14,473	10,766	120,000	15,003
Oil	0	0	0	0	18,000	0
Water	23,597	0	23,597	15,943	80,000	8,706
Total Utilities	\$ 108,583	\$ 43,853	\$ 152,436	\$ 146,345	\$ 1,018,000	\$ 151,078
SUPPLIES AND MATERIALS						
Equipment Supplies	\$ 84,671	\$ 27,604	\$ 112,275	\$ 91,986	\$ 592,700	\$ 95,906
Food Service Supplies	3,840	4,293	8,133	9,000	54,000	(1,411)
Office Supplies	6,389	921	7,310	9,034	52,000	9,005
Personal Computer Software	3,884	0	3,884	2,999	61,000	3,219
Publications/Subscriptions	13,559	722	14,281	7,656	100,100	6,509
Uniforms	3,353	2,574	5,927	5,096	40,000	5,059
Total Supplies and Materials	\$ 115,696	\$ 36,114	\$ 151,810	\$ 125,771	\$ 899,800	\$ 118,287

August Expenses vs. Budget
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	August	July	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
OTHER EXPENSES						
Board Employer Reimbursement	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,000	\$ 0
Conferences and Seminars	9,502	4,240	13,742	9,196	100,400	7,287
Dues and Licenses	17,216	3,552	20,768	3,750	162,600	3,064
Equipment Rental	0	0	0	0	0	0
Insurance	3,881	109,029	112,910	106,465	584,000	99,179
Member/Employer Education Programs	8,057	2,529	10,586	23,350	140,100	8,586
Miscellaneous Expense	4,682	262	4,944	929	21,200	1,070
Other Board Expense	289	0	289	291	3,800	293
Other Staff Expense	(102)	645	543	3,817	22,900	(1,165)
Training	10,473	1,610	12,083	10,082	122,700	9,938
Total Other Expenses	\$ 53,998	\$ 121,867	\$ 175,865	\$ 157,879	\$ 1,160,700	\$ 128,252
Total Operating Expenses	\$ 10,333,330	\$ 6,859,212	\$ 17,192,542	\$ 16,718,127	\$ 104,410,500	\$ 15,882,256

	August	July	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
Building Improvements	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,226,500	\$ 140,163
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	0	0	0	0	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	28,577	0	28,577	28,577	559,000	0
Total Capital Budget	\$ 28,577	\$ 0	\$ 28,577	\$ 28,577	\$ 4,930,900	\$ 140,163
Total State of Ohio Expenses	\$ 176	\$ 56,260	\$ 56,436	\$ 56,436	\$ 363,500	\$ 65,446
Capital Budget Carryover:						
Fiscal 2019	\$ 0	\$ 34,259	\$ 0	\$ 0	\$ 1,855,979	\$ 144,021

August 2019 Expense Notes

Salaries and Fringe Benefits

Salaries and Wages and associated fringe benefits were higher in August due to three paydays versus the typical two paydays per month. Educational Assistance was provided for eleven associates in August.

Professional and Technical Services

Actuary includes two months of pension and health care valuation services. The alternative investment consultant monthly fee is included in Investment Consultant. Investment Research Services includes annual international services, S&P research, and real estate database and data analytic services. Other Consulting Services includes two months of external government relations services and final payment of investment performance verification services. The first payment of executive director search fees is included in Recruitment Fees. Temporary Employment Services includes real estate administrative services in the New York office and member benefits and food service support.

Repairs and Maintenance

Building Maintenance and Equipment includes a replacement network automation engine controller and UPS battery equipment annual maintenance. Annual Maximis investment accounting system, Microsoft and scanning software maintenance are included in Data Processing Equipment. Mail Center Equipment includes annual postage meter maintenance.

Communications

Included in Postage are costs associated with replenishing the postage meters.

Utilities

Electricity includes two months of usage and Gas is for one month. Water includes additional vendor billings for a defective water meter.

Supplies and Materials

Equipment Supplies include annual member statement forms, laptop and desktop computers, memory, printers and monitors. Compensation salary surveys are included in Publications/Subscriptions.

Other Expenses

Registration fees for National Council on Teacher Retirement, internal audit information security, and member benefits quality assurance training are included in Conferences and Seminars. Dues and Licenses include annual membership dues for the Coalition to Preserve Retirement Security. Miscellaneous Expense includes furniture for the Chicago real estate office. Training includes annual online safety training for building and administrative services associates.

Capital Budget

Capital items for August include one IT change order for STaRS and invoice workflow system software.

State Teachers Retirement System of Ohio
Detailed Operating Expenses
For the Month Ended August 31, 2019

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Compensation		
Salaries & Wages	STRS OHIO	6,012,229
	Total	6,012,229
Overtime	STRS OHIO	10,974
	Total	10,974
	Total Compensation	6,023,203
Fringe Benefits		
OPERS Employer Cost	STRS OHIO	846,138
	Total	846,138
Medical/Hospitalization Insurance	MEDICAL CLAIMS	645,000
	MISC. RECEIPTS	(7,668)
	STRS OHIO	(134,648)
	UNITED HEALTHCARE INSURANCE CO	79,392
	Total	582,076
Medicare	STRS OHIO	85,218
	Total	85,218
Dental Insurance	DELTA DENTAL	49,465
	MISC. RECEIPTS	(354)
	Total	49,111
Educational Assistance	CHRIS WINGARD	1,020
	COLUMBUS STATE COMMUNITY COLLEGE	947
	INTERNATIONAL FOUNDATION	884
	KELLER GRADUATE SCHOOL	885
	OHIO DOMINICAN UNIVERSITY	1,135
	SAMUEL CHANDLER	1,120
	SOUTHERN NEW HAMPSHIRE UNIVERSITY	4,800
	STRS OHIO	(210)
	THE OHIO STATE UNIVERSITY	2,293
	WESTERN GOVERNORS UNIVERSITY	2,300
	Total	15,174
Workers' Compensation	STRS OHIO	11,268
	Total	11,268
Life Insurance	LINCOLN NATIONAL LIFE INSURANCE COMPANY	23,298
	Total	23,298
Disability Insurance	LINCOLN NATIONAL LIFE INSURANCE COMPANY	8,511
	Total	8,511
Wellness	CAROLYN GUERCIO-WISLER	540
	MISC. RECEIPTS	(210)
	OHIOHEALTH/WORK HEALTH	160
	STRS OHIO	(2,490)
	Total	(2,000)
	Total Fringe Benefits	1,618,794
Professional and Technical Services		
Actuary	CHEIRON INC	46,687
	Total	46,687
Banking Expense	FIFTH THIRD BANK	381
	Total	381

**State Teachers Retirement System of Ohio
Detailed Operating Expenses
For the Month Ended August 31, 2019**

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Contract Services	AVAYA INC	720
	Total	720
Custodial Banking Fees	FIFTH THIRD BANK	970
	Total	970
Disaster Recovery	FIFTH THIRD BANK-CORP CARD	50
	FIREPROOF RECORDS CENTER	631
	RECOVERY POINT SYSTEMS	251
	Total	932
Employment Verification	OHIOHEALTH/WORK HEALTH	239
	SCREENPOINTE INC	145
	Total	384
Investigative Services	CLERK OF THE DISTRICT COURT-WY	10
	LEXISNEXIS RISK SOLUTIONS	1,106
	Total	1,116
Investment Consultant	CLIFFWATER LLC	20,833
	Total	20,833
Investment Research Services	COSTAR REALTY INFORMATION INC	175,102
	DTCC ITP LLC	400
	FRANK RUSSELL COMPANY	15,000
	IHS GLOBAL INC	17,309
	MSCI INC	175,549
	REAL CAPITAL ANALYTICS INC	62,000
	REIS SERIVCES LLC	75,780
	S AND P DOW JONES INDICES LLC	19,057
	S AND P GLOBAL MARKET INTELLIGENCE	509,491
	TRADEWEB LLC	1,600
	VIRTU ITG PLATFORMS LLC	3,056
	WILSHIRE ASSOCIATES INC	7,476
	Total	1,061,820
Legal Fees	MUNGER TOLLES AND OLSON LLP	22
	Total	22
Medical Examinations	ADRIENNE SAXTON MD LLC	875
	AMERICAN ARTHRITIS & OSTEOPOROSIS CNTR	300
	CASE CONSULTANTS OF OHIO LLC	750
	CLAIRE V WOLFE MD	720
	DISABILITY & IMPAIRMENT EVALUATIONS, INC	5,100
	DONALD C MANN MD INC	850
	INDEPENDENT EVALUATORS INC	700
	JAMES N ALLEN, MD	360
	JAMES R. HAWKINS, M.D.	2,400
	JEFFERY C HUTZLER MD	720
	KIDNEY SPECIALISTS INC	250
	MARC COOPERMAN MD	360
	MARJORIE C GALLAGHER MD	725
	MARTIN J GOTTESMAN MD	7,514
	MEDICAL ASSESSMENTS LLC	450
	MEDICAL EVALUATORS LLC	550
	OSU INTERNAL MEDICINE, LLC	600
	OSU NEUROSCIENCE CENTER LLC	790
	PHYSICAL MEDICINE, SPORTS & INDL LLC	150
	RONALD L WHISLER MD	360
	STEIMAN NEUROLOGY GROUP INC	3,125
	STEPHEN F PARISER, MD	460
	SUMMIT REHAB MEDICINE INC	1,150
	Total	29,259

**State Teachers Retirement System of Ohio
Detailed Operating Expenses
For the Month Ended August 31, 2019**

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Other Consulting Services	ACA PERFORMANCE SERVICES LLC	27,250
	CALFEE HALTER AND GRISWOLD LLP	12,000
	DEAF SERVICES CENTER INC	180
	FIFTH THIRD BANK	7,395
	Total	46,825
Quotation and Analytic Service	BLOOMBERG FINANCE LP	8,180
	NYSE MARKET INC	2,552
	OPTIONS PRICE REPORTING AUTHORITY LLC	535
	TSX INC	432
Total	11,699	
Real Estate Contract Services	ANTHONY CIOCHETTI	1,183
	TIMOTHY HEISE	10,001
Total	11,184	
Recruitment Fees	AMERICAN EXPRESS COMPANY	328
	JOHN WILEY & SONS INC	1,226
	KORN FERRY US	39,000
	SELECT LEADERS LLC	450
Total	41,004	
Temporary Employment Services	DAWSON RESOURCES	3,312
	FIBERCARE	2,031
	OFFICE TEAM	1,803
Total	7,146	
Total Professional and Technical Services		1,280,982
Repairs and Maintenance		
Building Maintenance and Equipment	AMBIUS LLC 05	1,573
	BATTERIES PLUS	96
	BUCK AND SONS LANDSCAPE SERVICE INC	1,179
	COMMERCIAL PARTS & SERVICES OF OHIO INC	67
	CONSOLIDATED ELECT DIST	42
	CONTINENTAL OFFICE ENVIRONMENTS	225
	CONTRACT SWEEPERS & EQUIPMENT INC	3,800
	CUMMINS BRIDGEWAY LLC	1,048
	ENVIRONMENTAL COMFORT LLC	24,416
	FIBERCARE	6,000
	FIFTH THIRD BANK-CORP CARD	895
	FIREPROOF RECORDS CENTER	200
	GLASSWORKS PLUS INC	263
	GRAINGER INC	427
	HERC RENTALS INC	235
	I SUPPLY COMPANY	6,028
	JOHNSON CONTROLS INC	11,431
	JOHNSTONE SUPPLY	1,499
	LOMBARDI WATER MANAGEMENT INC	725
	LOWES BUSINESS ACCOUNT	589
	MARTIN PAINTING & COATING CO.	3,871
	MCMASTER-CARR SUPPLY COMPANY	191
	NOFZIGER DOOR SALES OF COLUMBUS	2,498
	PRAXAIR DISTRIBUTION INC	94
	SHOEMAKER INDUSTRIAL SOLUTIONS	3,338
	SPEER MECHANICAL	7,146
	SUNBELT RENTAL	822
TERMINIX	401	
VERTIV CORPORATION	887	
WESCO DISTRIBUTION, INC.	162	
WORLY PLUMBING SUPPLY INC	169	
Total	80,317	

**State Teachers Retirement System of Ohio
Detailed Operating Expenses
For the Month Ended August 31, 2019**

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Copiers	ABS MONEY SYSTEMS INC	320
	BLUE TECHNOLOGIES COLUMBUS INC	118
	CANON FINANCIAL SERVICES INC	3,804
	GORDON FLESCH CO INC	685
	IMPACT NETWORKING LLC	21
	MODERN OFFICE METHODS INC	974
	MT BUSINESS TECHNOLOGIES INC	249
	Total	6,171
Data Processing Equipment	ARROW GLOBAL ASSET DISPOSITION INC	858
	BLOOMBERG FINANCE LP	1,000
	CARASOFT TECHNOLOGY CORP	15,886
	CDW GOVERNMENT INC	4,890
	CITRIX SYSTEMS INC	6,818
	CLOUDFLARE INC	1,900
	DELL MARKETING LP	402,942
	DIGICERT INC	414
	DIVERSATEC RESOURCES INC	1,966
	FIFTH THIRD BANK-CORP CARD	169
	IOVATION INC	5,219
	IPC SYSTEMS, INC.	4,800
	MAPSYS SYSTEM AND SOLUTIONS	2,015
	SERVICE EXPRESS INC	7,767
	SNOWBOUND SOFTWARE CORPORATION	2,108
	SS&C TECHNOLOGIES INC	453,000
	TECHSMITH	1,079
	VIRTUAL HOLD TECHNOLOGY LLC	13,190
XEROX CORPORATION	3,574	
Total	929,595	
Mail Center Equipment	ABS MONEY SYSTEMS INC	320
	NEOPOST USA INC	5,836
Total	6,156	
Property Tax and Leases	HOLLINGSWORTH CAPITAL PARTNERS COLS LLC	9,056
Total	9,056	
Safety & Security Equipment	FIFTH THIRD BANK-CORP CARD	717
Total	717	
Trash Removal	MISC. RECEIPTS	(56)
	REPUBLIC SERVICES #046	237
	WASTE MANAGEMENT INC	2,140
Total	2,321	
Total Repairs and Maintenance		1,034,333
Travel and Vehicles		
Gasoline	FIFTH THIRD BANK-CORP CARD	503
Total	503	
Staff and Board Travel	ALEX GRUBER	752
	AMERICAN EXPRESS COMPANY	4,948
	ANTHONY WEBB	643
	CAROL L CORRETHEERS	197
	COREY GEOG	61
	DALE L PRICE	198
	DRURY INN & SUITES	958
	ERIC NEWBERG	42
	HOLIDAY INN	170
	HOPE K SHORT	15
	JACOB R CLARK	844
	JASON J TINCHER	1,093
	JASON T JARVIS	182

**State Teachers Retirement System of Ohio
Detailed Operating Expenses
For the Month Ended August 31, 2019**

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	JASON W BAKER	5
	JEFFREY A RHODES	161
	JOHN A BUCH	290
	JOHN M LEE	226
	JULIA A VISKANTA	266
	KENNETH H BLANKE	26
	LANNY D WELLY	632
	LAWRENCE M TEDESCHI	1,074
	MARCY H YEAMANS	897
	MARK A RUBECK	609
	MATTHEW C HOLMAN	1,370
	MICHAEL J NEHF	11
	MISC. RECEIPTS	(200)
	NIK TAN	952
	RITA J WALTERS	298
	ROBERT KOCI	61
	ROBERT MCFEE	197
	ROBERT W STEIN	176
	STANTON WEST	836
	STEPHEN M REYNARD	40
	STEVEN J LUETTGEN	78
	THOMAS A CANTWELL	61
	YOEL MAYERFELD	417
	Total	18,586
Vehicle Maintenance	CENTURY EQUIPMENT INC.	162
	Total	162
	Total Travel and Vehicles	19,251
Communications		
Courier Services	FEDEX	38
	RAINBOW EXPRESS INC	886
	UNITED PARCEL SERVICE	653
	Total	1,577
Outsourced Distribution	THE OLD TRAIL PRINTING CO INC	2,907
	Total	2,907
Postage	FIFTH THIRD BANK-CORP CARD	17
	LORTON DATA INC.	280
	RESERVE ACCOUNT	30,000
	THE OLD TRAIL PRINTING CO INC	1,575
	Total	31,872
Printing	ADVANCE GRAPHICS	138
	BAESMAN GROUP INC	500
	CAPITOL SQUARE PRINTING	214
	FASTSIGNS	2,534
	THE OLD TRAIL PRINTING CO INC	10,617
	WESTERN STATES ENVELOPE & LABEL	2,229
	Total	16,232
Telecommunications	AT&T	101
	TIME WARNER CABLE	247
	TREASURER STATE OF OHIO	319
	VERIZON WIRELESS	3,744
	WEST UNIFIED COMMUNICATIONS SERVICES INC	53
	WOW BUSINESS	1,783
	XO COMMUNICATIONS	19,655
	Total	25,902
	Total Communications	78,490

**State Teachers Retirement System of Ohio
Detailed Operating Expenses
For the Month Ended August 31, 2019**

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Utilities		
Electricity	AMERICAN ELECTRIC POWER	70,574
	CITY OF WESTERVILLE	2,740
	Total	73,314
Natural Gas	COLUMBIA GAS OF OHIO	2,422
	PESCO ENERGY	9,250
	Total	11,672
Water	COLUMBUS CITY TREASURER	23,597
	Total	23,597
	Total Utilities	108,583
Supplies and Materials		
Equipment Supplies	ADVANCED MEDIA TECHNOLOGIES INC	3,841
	AVI FOOD SYSTEMS INC	20
	BROWN SUPPLY CO	279
	CDW GOVERNMENT INC	7,216
	CINTAS CORPORATION	130
	FIFTH THIRD BANK-CORP CARD	1,279
	GORDON FOOD SERVICE	2,567
	I SUPPLY COMPANY	1,424
	IT SAVVY	7,799
	KINZUA ENVIRONMENTAL INC	903
	KROGER-COLUMBUS CUSTOMER CHARGES	25
	LOWES BUSINESS ACCOUNT	57
	MAINLINE COMPUTER PRODUCTS	2,279
	MNJ TECHNOLOGIES DIRECT INC	39,875
	PM PROFESSIONAL SERVICES	765
	QUALITY POOLS	794
	RR DONNELLEY AND SONS COMPANY	11,414
	SAM'S CLUB	287
	SERVICE EXPRESS INC	444
	SPIRAL BINDING COMPANY INC	802
	STATE INDUSTRIAL PRODUCTS	455
	THE MILLCRAFT PAPER COMPANY	929
	VERITIV OPERATING COMPANY	188
	VERIZON WIRELESS	899
	Total	84,671
Food Service Supplies	AVI FOOD SYSTEMS INC	1,771
	COCA-COLA BOTTLING CO CONSOLIDATED	1,367
	FIFTH THIRD BANK-CORP CARD	90
	FIRSTCHOICE	132
	GORDON FOOD SERVICE	17,790
	KROGER-COLUMBUS CUSTOMER CHARGES	439
	MISC. RECEIPTS	(5,442)
	READY REFRESH	10
	SAM'S CLUB	349
	SCHNEIDER'S BAKERY INC	296
	STRS OHIO	(13,990)
	TREASURER STATE OF OHIO	1,028
	Total	3,840
Office Supplies	BLICK ART MATERIALS	30
	CAPITOL OFFICE SUPPLY	281
	CENTRAL OHIO COPIER SUPPLY	2,731
	GRAINGER INC	109
	INDEPENDENT STATIONERS INC	693
	NEOPOST USA INC	344
	OFFICE DEPOT INC	76
	STAPLES BUSINESS ADVANTAGE	2,125
	Total	6,389

**State Teachers Retirement System of Ohio
Detailed Operating Expenses
For the Month Ended August 31, 2019**

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Personal Computer Software	CONVERGE ONE INC	3,884
	Total	3,884
Publications/Subscriptions	DIRECTV	180
	FIFTH THIRD BANK-CORP CARD	307
	MERCER	6,055
	RELX INC DBA LEXISNEXIS	339
	TOWERS WATSON DELAWARE INC	4,500
	WOLTERS KLUWER LEGAL & REGULATORY US	2,178
	Total	13,559
Uniforms	CINTAS CORPORATION	2,464
	ECONOMY	64
	GORDON FOOD SERVICE	122
	SAM'S CLUB	305
	UNIFIRST CORPORATION	398
	Total	3,353
	Total Supplies and Materials	115,696
Other Expenses		
Conferences and Seminars	ARMA GREATER COLUMBUS OHIO CHAPTER	25
	JASON W BAKER	99
	JOSHUA JOHNSTON	99
	MIS TRAINING INSTITUTE INC	2,065
	NATIONAL COUNCIL ON TEACHER RETIREMENT	1,300
	NIKOLE MCBEE	599
	PUBLIC PENSION FINANCIAL FORUM	625
	QUALITY ASSURANCE AND TRG CONNECTION LLC	2,990
	REBECCA L RYAN	99
	RISK MANAGEMENT ASSOCIATION	1,601
	Total	9,502
Dues and Licenses	ANNEMARIE ERKMAN	350
	CFA SOCIETY OF COLUMBUS	320
	COALITION TO PRESERVE RET SECURITY	15,000
	KENNETH H BLANKE	119
	NIKOLE MCBEE	40
	PAYTEN FREY	60
	PROJECT MANAGEMENT INSTITUTE	219
	PUBLIC RELATIONS SOCIETY OF AMERICA	320
	SUCHIT ARORA	42
	SUPREME COURT OF OHIO	350
	TODD JACOBSON	214
	YU LIANG	182
	Total	17,216
Insurance	BEECHER CARLSON INSURANCE SERVICES LLC	3,881
	Total	3,881
Member Education Programs	DOUBLETREE HOTEL	444
	EMBASSY SUITES	1,488
	EMPLOYER WORKSHOP REVENUE	(603)
	FIFTH THIRD BANK-CORP CARD	835
	HOLIDAY INN	5,247
	MISCELLANEOUS EXPENSE	7
	THE MANDALAY	639
	Total	8,057
Miscellaneous	CONTINENTAL OFFICE ENVIRONMENTS	4,015
	EXPERTPAY	36
	FIFTH THIRD BANK-CORP CARD	36
	FIREPROOF RECORDS CENTER	388

**State Teachers Retirement System of Ohio
Detailed Operating Expenses
For the Month Ended August 31, 2019**

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	INFOSTORE LLC	31
	MAPLE LEE FLOWERS	156
	MISCELLANEOUS EXPENSE	6
	THOMAS S COUNTS	14
	Total	4,682
Other Board Expense	MISCELLANEOUS EXPENSE	289
	Total	289
Other Staff Expense	DONATO'S PIZZERIA LLC	126
	HEATHER SHARPE	95
	JENNIFER MONTENARO	464
	MISCELLANEOUS EXPENSE	66
	STRS OHIO	(1,213)
	SUZAN J WALTERS	300
	VANESSA SCHUMM WELCH	60
	Total	(102)
Training	BABBAGE SIMMEL & ASSOC INC	595
	FIFTH THIRD BANK-CORP CARD	2,050
	MARIAH L MATHEWS	25
	MASTERY CLOUD SERVICES	4,775
	NEW HORIZONS CLC OF COLUMBUS LLC	2,232
	ONLINE CONSULTING INC	796
	Total	10,473
	Total Other Expenses	53,998
Total Operating Expenses		10,333,330
State of Ohio Expenses	TREASURER STATE OF OHIO	176
	Total State of Ohio Expenses	176