



September Financial Reporting & Expenses

Succeeding this cover page are the STRS Ohio financial reports & expenses for the period ending Sept. 30, 2017. 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, 2017 through September 30, 2017

	Defined Benefit Plans	Defined Contribution	Postemployment Healthcare	Totals
Additions:				
Contributions:				
Member	371,645,290	21,999,985		\$393,645,275
Employer	387,692,277	9,428,565		\$397,120,842
Transfers from Defined Contribution Plan	6,045,287	(6,045,287)		
Medicare D reimbursement			13,098,312	13,098,312
Benefit recipient healthcare premiums			83,673,918	83,673,918
Other retirement systems	5,887,439			5,887,439
Total contributions	<u>771,270,294</u>	<u>25,383,263</u>	<u>96,772,230</u>	<u>893,425,787</u>
Net investment income (loss)	<u>2,230,920,118</u>	<u>43,079,882</u>	<u>116,000,000</u>	<u>2,390,000,000</u>
Total additions	\$3,002,190,412	\$68,463,145	\$212,772,230	\$3,283,425,787
Deductions:				
Service retirement	1,695,035,929			1,695,035,929
Disability retirement	52,269,543			52,269,543
Survivor benefits	31,286,318			31,286,318
Health care			153,473,831	153,473,831
Other	13,865,028			13,865,028
Total benefit payments	<u>1,792,456,818</u>		<u>153,473,831</u>	<u>1,945,930,649</u>
Refunds to members who have withdrawn	69,258,196	10,859,143		80,117,339
Administrative expenses	21,515,839		642,835	22,158,674
Total deductions	<u>\$1,883,230,853</u>	<u>\$10,859,143</u>	<u>\$154,116,666</u>	<u>\$2,048,206,662</u>
Net increase (decrease)	\$1,118,959,559	\$57,604,002	\$58,655,564	\$1,235,219,125
Net position held in trust for pension and postemployment healthcare benefits				
Beginning of year	<u>71,118,707,206</u>	<u>1,252,518,913</u>	<u>3,475,778,910</u>	<u>75,847,005,029</u>
End of period	<u>\$72,237,666,765</u>	<u>\$1,310,122,915</u>	<u>\$3,534,434,474</u>	<u>\$77,082,224,154</u>

STATE TEACHERS RETIREMENT SYSTEM
 Actual Expenses vs. Budget
 For the Month and Fiscal Year-to-Date Ended September 30, 2017

	September	August	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
Salaries and Wages	\$ 5,763,234	\$ 3,857,933	\$ 13,491,978	\$ 13,432,553	\$ 60,533,200	\$ 13,400,006
Fringe Benefits	1,501,209	1,261,730	4,007,673	4,091,470	16,713,300	4,009,500
Professional and Technical Services	731,116	432,746	2,045,046	2,459,648	10,759,000	2,659,401
Repairs and Maintenance	304,468	610,204	1,515,218	1,377,509	5,728,500	1,811,629
Travel and Vehicles	40,577	22,557	72,340	102,530	723,900	90,441
Communications	186,821	141,298	473,645	482,515	2,004,100	273,208
Utilities	86,630	93,622	180,252	200,692	1,018,000	214,950
Supplies and Materials	43,559	75,374	143,099	217,428	932,700	214,232
Other Expenses	29,496	26,267	167,129	227,317	1,142,900	187,676
Total Operating Expenses	\$ 8,687,110	\$ 6,521,731	\$ 22,096,380	\$ 22,591,660	\$ 99,555,600	\$ 22,861,043
Capital Budget	\$ 162,036	\$ 37,037	\$ 234,993	\$ 234,993	\$ 3,306,000	\$ 342,111
State of Ohio Expenses	\$ 210	\$ 194	\$ 62,294	\$ 62,294	\$ 364,000	\$ 57,406

Staffing Information:	September	August	July
Budgeted FTE Associates	544	544	544
Full Time Equivalent Associates	532	532	531
Open FTE Positions	6	8	11

_____ Mr. Hill _____ moved, seconded by _____ Mr. Stein _____, that the report be accepted and the expenditures for the month ending September 30, 2017 in the total amount of \$8,849,356 be approved.

STATE TEACHERS RETIREMENT SYSTEM

Actual Expenses vs. Budget
For the Month and Fiscal Year-to-Date Ended September 30, 2017

	September	August	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
SALARIES AND WAGES						
Salaries and Wages	\$ 5,747,353	\$ 3,839,364	\$ 13,398,458	\$ 13,331,473	\$ 49,516,900	\$ 13,284,811
Other Compensation	2,380	695	4,338	15,250	33,100	16,898
Incentive Compensation	0	0	0	0	9,000,000	0
Unused Vacation and Sick Leave	0	5,593	48,034	48,034	1,823,000	53,249
Overtime	11,551	5,406	24,223	20,870	90,600	20,448
Service Awards	1,950	6,875	16,925	16,925	69,600	24,600
Total Salaries and Wages	\$ 5,763,234	\$ 3,857,933	\$ 13,491,978	\$ 13,432,553	\$ 60,533,200	\$ 13,400,006
FRINGE BENEFITS						
OPERS Employer Cost	\$ 816,335	\$ 542,142	\$ 1,900,947	\$ 1,873,833	\$ 7,919,100	\$ 1,881,406
Medical/Hospitalization Insurance	512,431	558,586	1,626,167	1,687,500	6,750,000	1,661,697
Medicare	81,896	54,655	191,761	239,804	890,700	191,938
Dental Insurance	50,575	50,652	151,287	154,756	612,000	153,224
Educational Assistance	665	19,878	31,925	31,716	125,000	24,732
Workers' Compensation	12,821	8,902	30,797	32,846	122,000	32,623
Life Insurance	17,142	17,164	50,890	50,453	201,300	50,374
Disability Insurance	6,913	6,891	20,688	20,562	81,900	20,538
Wellness	(2,595)	(2,140)	(6,815)	0	0	(7,032)
Unemployment Compensation	5,026	5,000	10,026	0	11,300	0
Total Fringe Benefits	\$ 1,501,209	\$ 1,261,730	\$ 4,007,673	\$ 4,091,470	\$ 16,713,300	\$ 4,009,500
PROFESSIONAL AND TECHNICAL SERVICES						
Actuary	\$ 0	\$ 0	\$ 0	\$ 1,589	\$ 272,500	\$ 2,993
Audit	0	0	0	30,740	299,500	21,833
Banking Expense	13,877	9,232	37,516	61,355	216,500	55,920
Board Election Processing	0	0	0	0	65,000	0
Contract Services	1,000	0	1,000	48,266	265,000	37,881
Custodial Banking Fees	33,531	20,647	86,013	103,750	2,512,500	489,073
Data Management and Analytics	0	0	0	0	176,000	(2,122)
Disaster Recovery	1,094	1,055	2,149	2,232	14,000	2,167
Employment Verification	98	770	908	680	4,500	823
Health Care Consultant	0	0	0	0	186,000	20,800
Insurance Consultant	0	0	15,500	15,331	92,500	15,000
Investigative Services	658	453	1,111	1,033	15,800	1,096
Investment Consultant	20,834	20,833	41,667	140,439	700,000	150,691
Investment Research Services	563,716	309,098	1,265,974	1,241,271	2,550,000	1,180,263
Legal Fees	5,606	10,498	16,517	32,686	370,000	32,575
Medical Examinations	34,096	29,051	81,205	119,851	455,000	87,157
Other Consulting Services	41,544	12,261	53,805	147,112	499,800	174,109
Quotation and Analytic Services	3,633	9,258	405,084	493,000	1,972,000	381,832
Real Estate Contract Services	0	6,981	6,981	12,500	50,000	0
Recruitment Fees	0	1,045	16,255	2,811	22,400	4,406
Temporary Employment Services	11,429	1,564	13,361	5,000	20,000	2,904
Total Professional/Technical Services	\$ 731,116	\$ 432,746	\$ 2,045,046	\$ 2,459,648	\$ 10,759,000	\$ 2,659,401

September Expenses vs. Budget
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	September	August	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
REPAIRS AND MAINTENANCE						
Building Maintenance and Equipment	\$ 16,093	\$ 56,527	\$ 117,801	\$ 199,067	\$ 715,000	\$ 200,482
Copiers	5,756	6,192	11,811	39,922	110,000	31,301
Data Processing Equipment	267,521	529,477	1,342,824	1,077,250	4,309,000	1,502,325
Elevators	0	0	0	0	93,000	0
Mail Center Equipment	3,831	0	3,831	7,936	21,500	3,831
Property Tax and Leases	9,057	9,056	27,169	40,929	240,000	60,522
Safety and Security Equipment	1,451	7,283	8,734	6,951	220,000	4,277
Trash Removal	759	1,669	3,048	5,454	20,000	8,891
Total Repairs and Maintenance	\$ 304,468	\$ 610,204	\$ 1,515,218	\$ 1,377,509	\$ 5,728,500	\$ 1,811,629
TRAVEL AND VEHICLES						
Gasoline	\$ 637	\$ 545	\$ 1,182	\$ 1,856	\$ 12,000	\$ 1,175
Staff and Board Travel	39,859	21,821	70,786	98,749	698,900	88,029
Vehicle Maintenance	81	191	372	1,925	13,000	1,237
Total Travel and Vehicles	\$ 40,577	\$ 22,557	\$ 72,340	\$ 102,530	\$ 723,900	\$ 90,441
COMMUNICATIONS						
Courier Services	\$ 1,884	\$ 1,464	\$ 4,305	\$ 4,159	\$ 27,200	\$ 3,922
Outsourced Distribution	1,418	4,921	6,339	26,250	105,000	2,946
Photography / Media	0	0	0	0	5,000	0
Postage	127,169	106,786	358,955	282,500	1,130,000	109,594
Printing	23,973	22,399	46,372	115,131	395,000	112,138
Telecommunications	32,377	5,728	57,674	54,475	341,900	44,608
Total Communications	\$ 186,821	\$ 141,298	\$ 473,645	\$ 482,515	\$ 2,004,100	\$ 273,208
UTILITIES						
Electricity	\$ 76,969	\$ 79,957	\$ 156,926	\$ 165,898	\$ 800,000	\$ 176,798
Natural Gas	1,685	6,365	8,050	10,572	120,000	13,941
Oil	0	0	0	0	18,000	0
Water	7,976	7,300	15,276	24,223	80,000	24,211
Total Utilities	\$ 86,630	\$ 93,622	\$ 180,252	\$ 200,692	\$ 1,018,000	\$ 214,950
SUPPLIES AND MATERIALS						
Equipment Supplies	\$ 25,740	\$ 54,698	\$ 100,715	\$ 140,820	\$ 593,800	\$ 147,750
Food Service Supplies	629	7,802	6,854	12,000	48,000	11,582
Office Supplies	5,831	4,028	11,211	8,282	65,000	6,308
Personal Computer Software	54	682	2,290	19,132	80,300	15,737
Publications/Subscriptions	9,274	4,838	14,620	27,633	109,600	21,156
Uniforms	2,031	3,326	7,409	9,560	36,000	11,699
Total Supplies and Materials	\$ 43,559	\$ 75,374	\$ 143,099	\$ 217,428	\$ 932,700	\$ 214,232

September Expenses vs. Budget
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	September	August	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	11,247	6,686	24,138	23,689	89,900	19,474
Dues and Licenses	3,329	1,668	9,764	10,557	161,500	10,409
Equipment Rental	0	0	0	0	0	0
Insurance	0	3,881	95,204	103,140	525,900	103,137
Member/Employer Education Programs	6,874	9,409	13,675	41,800	167,200	17,687
Miscellaneous Expense	1,094	1,476	2,618	3,951	25,000	3,254
Other Board Expense	23	284	307	4,175	22,400	834
Other Staff Expense	1,736	19	2,281	1,000	4,000	(236)
Training	5,193	2,844	19,142	39,005	144,000	33,117
Total Other Expenses	\$ 29,496	\$ 26,267	\$ 167,129	\$ 227,317	\$ 1,142,900	\$ 187,676
Total Operating Expenses	\$ 8,687,110	\$ 6,521,731	\$ 22,096,380	\$ 22,591,660	\$ 99,555,600	\$ 22,861,043
	September	August	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
Building Improvements	\$ 0	\$ 0	\$ 35,920	\$ 35,920	\$ 320,000	\$ 11,314
Furniture & Fixtures	0	0	0	0	0	0
Audio Visual	0	0	0	0	0	0
Information Processing	24,999	0	24,999	24,999	682,300	148,334
Maintenance	0	0	0	0	162,200	0
Miscellaneous	0	0	0	0	0	0
Office	0	0	0	0	37,500	0
Telecommunications	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0
Computer Software	137,037	37,037	174,074	174,074	2,104,000	182,463
Total Capital Budget	\$ 162,036	\$ 37,037	\$ 234,993	\$ 234,993	\$ 3,306,000	\$ 342,111
Total State of Ohio Expenses	\$ 210	\$ 194	\$ 62,294	\$ 62,294	\$ 364,000	\$ 57,406

September 2017 Expense Notes

Salaries and Fringe Benefits

Salaries and Wages and associated fringe benefits were higher in September due to three paydays versus the typical two paydays per month.

Professional and Technical Services

Custodial Banking Fees includes one month of domestic custody charges. Fees to the Board's alternative investment advisor are included in Investment Consultant. Quarterly fundamental and annual S&P research are included in Investment Research Services. Government relations support and external investment performance verification services are included in Other Consulting Services. Temporary Employment Services includes three months of external safety and security services.

Repairs and Maintenance

Building Maintenance and Equipment includes generator and computer room HVAC maintenance. Annual maintenance for imaging equipment, IBM hardware and software, performance monitoring, and data mapping tools are included in Data Processing Equipment. Annual mail equipment maintenance is included in Mail Center Equipment.

Travel and Vehicles

Staff and Board Travel includes counseling and employer meetings, health care and board conference travel, and investment due diligence trips.

Communications

Annual member statements are included in Postage. Six weeks of phone charges are included in Telecommunications due to billing changes.

Utilities

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

Supplies and Materials

Replacement monitors, printers and laptop computers are included in Equipment Supplies. Annual *American City Business Journal* subscriptions and Windows 10 and tax reference guides are included in Publications/Subscriptions.

Other Expenses

Conferences and Seminars includes internal audit education and registration fees for the National Council on Teacher Retirement and MRI real estate annual conferences. Online safety education is included in Training.

Capital Budget

September capital items include STaRS Version 10 upgrade costs and a security firewall upgrade.

STATE TEACHERS RETIREMENT SYSTEM
Detailed Operating Expenses
For the Month Ended September 30, 2017

Account	Vendor	Amount
Salaries and Wages		
Salaries & Wages	STRS OHIO	5,751,683
	Total	5,751,683
Overtime	STRS OHIO	11,551
	Total	11,551
	Total Salaries and Wages	5,763,234
Fringe Benefits		
OPERS Employer Cost	STRS OHIO	816,335
	Total	816,335
Medical/Hospitalization Insurance	MEDICAL CLAIMS	562,500
	MISC. RECEIPTS	(10,997)
	STRS OHIO	(122,382)
	UNITED HEALTHCARE INSURANCE CO	83,310
	Total	512,431
Medicare	STRS OHIO	81,896
	Total	81,896
Dental Insurance	DELTA DENTAL	50,849
	MISC. RECEIPTS	(274)
	Total	50,575
Educational Assistance	FRANKLIN UNIVERSITY	(3,952)
	KELLER GRADUATE SCHOOL	1,723
	PAULITIA SHELDON	725
	SOUTHERN NEW HAMPSHIRE UNIVERSITY	960
	STRS OHIO	(150)
	WORLD AT WORK	1,359
	Total	665
Workers' Compensation	STRS OHIO	12,821
	Total	12,821
Life Insurance	LINCOLN NATIONAL LIFE INSURANCE COMPANY	17,188
	MISC. RECEIPTS	(46)
	Total	17,142
Disability Insurance	LINCOLN NATIONAL LIFE INSURANCE COMPANY	6,913
	Total	6,913

STATE TEACHERS RETIREMENT SYSTEM
Detailed Operating Expenses
For the Month Ended September 30, 2017

Account	Vendor	Amount
Wellness	FITNESS SOLUTIONS LTD	75
	MISC. RECEIPTS	(240)
	OHIOHEALTH/WORK HEALTH	160
	STRS OHIO	(2,590)
	Total	(2,595)
Unemployment Compensation	OHIO DEPT OF JOB AND FAMILY SERVICES	5,026
	Total	5,026
	Total Fringe Benefits	1,501,209
 Professional and Technical Services		
Banking Expense	FIFTH THIRD BANK	13,877
	Total	13,877
Contract Services	INTEGRATED LEADERSHIP SYSTEMS LLC	1,000
	Total	1,000
Custodial Banking Fees	FIFTH THIRD BANK	33,531
	Total	33,531
Disaster Recovery	FIFTH THIRD BANK-CORP CARD	54
	FIREPROOF RECORDS CENTER	788
	FIRST FEDERAL CORPORATION	252
	Total	1,094
Employment Verification	SCREENPOINTE INC	98
	Total	98
Investigative Services	LEXISNEXIS RISK SOLUTIONS	658
	Total	658
Investment Consultant	CLIFFWATER LLC	20,834
	Total	20,834
Investment Research Services	ITG PLATFORMS INC	3,056
	OMGEO LLC	400
	REIS INC	70,060
	S AND P GLOBAL MARKET INTELLIGENCE	304,826
	S&P GLOBAL MARKET INTEL LLC-SNL PKG	112,380
	THOMSON REUTERS(MARKETS) LLC	64,308
	TRADEWEB LLC	1,500
	WILSHIRE ASSOCIATES INC	7,186
	Total	563,716

STATE TEACHERS RETIREMENT SYSTEM
Detailed Operating Expenses
For the Month Ended September 30, 2017

Account	Vendor	Amount
Legal Fees	CALFEE HALTER AND GRISWOLD LLP	3,307
	JONES DAY	148
	MUNGER TOLLES AND OLSON LLP	120
	RICOH USA INC	2,031
	Total	5,606
Medical Examinations	ALBERT J KOLIBASH JR MD	1,000
	CLAIRE V WOLFE MD	820
	COLUMBUS CARDIOLOGY CARE	895
	DISABILITY & IMPAIRMENT EVALUATIONS, INC	5,600
	DONALD C MANN MD INC	950
	EDWIN H SEASON MD INC	1,000
	JAMES N ALLEN, MD	1,180
	JAMES R. HAWKINS, M.D.	2,400
	JEFFERY C HUTZLER MD	280
	JON KRONBERG MD	500
	MARC COOPERMAN MD	640
	MARJORIE C GALLAGHER MD	715
	MARTIN J GOTTESMAN MD	7,083
	MEDICAL ASSESSMENTS LLC	400
	MEDICAL EVALUATORS LLC	525
	MERCY ST VINCENT OCC HEALTH	800
	NEW MILLENNIUM HEALTHCARE	650
	OHIO ENT	358
	ORTHOPEDIC ONE	950
	OSU INTERNAL MEDICINE, LLC	2,470
	OSU NEUROSCIENCE CENTER LLC	500
	OSU RADIOLOGY, LLC	120
	PHYSICAL MEDICINE, SPORTS & INDL LLC	500
	RICHARD H. CLARY, MD	800
	STEIMAN NEUROLOGY GROUP INC	1,050
	STEPHEN D HEIS MD & ASSOCIATES	475
	STEPHEN F PARISER, MD	460
	SUMMIT REHAB MEDICINE INC	375
	WRIGHT STATE PHYSICIANS	600
	Total	34,096
Other Consulting Services	ACA PERFORMANCE SERVICES LLC	26,000
	CALFEE HALTER AND GRISWOLD LLP	5,000
	ENDICOTT MICROFILM INC	1,203
	FIFTH THIRD BANK	7,216
	TASC	2,125
Total	41,544	

STATE TEACHERS RETIREMENT SYSTEM
Detailed Operating Expenses
For the Month Ended September 30, 2017

Account	Vendor	Amount
Quotation and Analytic Service	FRANK RUSSELL COMPANY	452
	NYSE MARKET INC	2,374
	OPTIONS PRICE REPORTING AUTHORITY LLC	396
	TSX INC	411
	Total	3,633
Temporary Employment Services	OFFICE TEAM	736
	OHIO SUPPORT SERVICES CORP	10,693
	Total	11,429
Total Professional and Technical Services		731,116
 Repairs and Maintenance		
Building Maintenance and Equipment	AMBIUS LLC 05	1,573
	BUCK AND SONS LANDSCAPE SERVICE INC	1,170
	CUMMINS BRIDGEWAY LLC	6,549
	FASTSIGNS	119
	FIFTH THIRD BANK-CORP CARD	1,184
	GRAINGER INC	2,374
	HILLYARD OHIO	728
	I SUPPLY COMPANY	4,486
	LEGACY MAINTENANCE SERVICES LLC	6,200
	LIEBERT CORPORATION	42
	LOMBARDI WATER MANAGEMENT INC	725
	LOTH INC	672
	LOWES BUSINESS ACCOUNT	330
	MCNAUGHTON-MCKAY	160
	MISC. RECEIPTS	(16,681)
	PEPCO	21
	SPEER MECHANICAL	5,436
	TERMINIX	390
	TREASURER STATE OF OHIO	213
	WESTWATER SUPPLY CO	335
WORLY PLUMBING SUPPLY INC	67	
Total	16,093	
Copiers	COMDOC, INC	106
	GORDON FLESCH CO INC	5,391
	MT BUSINESS TECHNOLOGIES INC	259
Total	5,756	
Data Processing Equipment	APPLE COMPUTER, INC.	2,239
	BLOOMBERG FINANCE LP	1,000
	CA INC	40,760
	CELARTEM INC	3,775
	DLT SOLUTIONS INC	21,765

STATE TEACHERS RETIREMENT SYSTEM
Detailed Operating Expenses
For the Month Ended September 30, 2017

Account	Vendor	Amount
	FIFTH THIRD BANK-CORP CARD	821
	HARRIS MACKESSY & BRENNAN INC	11,769
	INSIGHT PUBLIC SECTOR INC	93,229
	IOVATION INC	3,696
	ITEXT SOFTWARE CORPORATION	840
	MAPSYS SYSTEM AND SOLUTIONS	58,457
	MNJ TECHNOLOGIES DIRECT INC	372
	RAPIDMINER INC	14,000
	SERVICE EXPRESS INC	2,042
	SILKROAD TECHNOLOGY INC	9,500
	XEROX CORPORATION	3,256
	Total	267,521
Mail Center Equipment	NEOPOST USA INC	3,831
	Total	3,831
Property Tax and Leases	HOLLINGSWORTH CAPITAL PARTNERS COLS LLC	9,057
	Total	9,057
Safety & Security Equipment	SIGNATURE CONTROL SYSTEMS LLC	1,066
	STEWART'S SECURITY SERVICE	385
	Total	1,451
Trash Removal	WASTE MANAGEMENT INC	759
	Total	759
	Total Repairs and Maintenance	304,468
Travel and Vehicles		
Gasoline	FIFTH THIRD BANK-CORP CARD	637
	Total	637
Staff and Board Travel	ALAN E MUENCH	194
	ALAN J WARNER	816
	AMERICAN EXPRESS COMPANY	15,521
	ANTHONY WEBB	197
	BRIAN R ENGSTROM	16
	CAROL L CORRETHEERS	153
	CASSANDRA REESE	195
	CRAIG C BROOKS	178
	DALE L PRICE	175
	DANIEL P GRIFFIN	500
	DEBRA L HULAND	767
	DEUTSCHE BANK SECURITIES INC	47
	DRURY INN & SUITES	230
	EVELIO ROSARIO III	1,328

STATE TEACHERS RETIREMENT SYSTEM
Detailed Operating Expenses
For the Month Ended September 30, 2017

Account	Vendor	Amount
	FINDLAY INN & CONFERENCE CENTER	204
	GREGORY R NICKELL	57
	HOPE K SHORT	27
	JACOB R CLARK	18
	JANET PROEHL	362
	JASON A SAUER	145
	JASON T JARVIS	236
	JASON W BAKER	7
	JOHN A BUCH	455
	JOHN P FITZGERALD	708
	JORDAN WINTERS	682
	JOSEPH B LUBELSKI	77
	JULIA A VISKANTA	564
	JULIE H FRAZIER	2,023
	KELLEY S MCCHRISTY	96
	LERA STURGELL	779
	MARCY H YEAMANS	1,095
	MARK A RUBECK	763
	MARK D SCRANTON	712
	MARY PATRICIA GORDON	139
	MATTHEW C HOLMAN	107
	MELINDA J DODDS	1,903
	MICHAEL J NEHF	46
	MICHAEL K MANCUSO	713
	MICHAEL R RILEY	574
	NIK TAN	646
	PAULITIA SHELDON	204
	RITA J WALTERS	463
	ROBERT JORDAN	516
	RONALD J COLASANTI	12
	SCOTT PEARSON	199
	STEPHEN W EHLERS	15
	STEVEN J LUETTGEN	237
	TAMLA D COLE	189
	TIM MYERS	1,213
	TODD JACOBSON	689
	TODD WOLFORD	143
	VINCENT PETITTI	2,524
	Total	39,859
Vehicle Maintenance	TEAM LUBRICATION INC	81
	Total	81
	Total Travel and Vehicles	40,577

Communications

STATE TEACHERS RETIREMENT SYSTEM
Detailed Operating Expenses
For the Month Ended September 30, 2017

Account	Vendor	Amount
Courier Services	FEDEX	37
	RAINBOW EXPRESS INC	1,044
	UNITED PARCEL SERVICE	803
	Total	1,884
Outsourced Distribution	BAESMAN GROUP INC	1,418
	Total	1,418
Postage	FIFTH THIRD BANK-CORP CARD	15
	LORTON DATA INC.	254
	MAIL SORT LTD	945
	MISC. RECEIPTS	(64)
	RESERVE ACCOUNT	125,000
	TREASURER STATE OF OHIO	1,019
	Total	127,169
Printing	BAESMAN GROUP INC	3,940
	CAPITOL SQUARE PRINTING	428
	THE OLD TRAIL PRINTING CO INC	524
	VERITIV OPERATING COMPANY	12,529
	WEST CAMP PRESS INC	884
	WESTERN STATES ENVELOPE & LABEL	5,668
	Total	23,973
Telecommunications	AT&T	140
	COREY GEOG	369
	FRONTIER	86
	JASON W BAKER	56
	JOSHUA JOHNSTON	65
	ROBERT KOCI	232
	STEPHEN W EHLERS	71
	T-MOBILE	37
	TIME WARNER CABLE	344
	VERIZON WIRELESS	3,401
	WEST UNIFIED COMMUNICATIONS SERVICES INC	123
	XO COMMUNICATIONS SERVICES, LLC	27,453
	Total	32,377
Total Communications		186,821
Utilities		
Electricity	AMERICAN ELECTRIC POWER	28,852
	CITY OF WESTERVILLE	3,375
	CONEDISON SOLUTIONS	44,742
	Total	76,969

STATE TEACHERS RETIREMENT SYSTEM
Detailed Operating Expenses
For the Month Ended September 30, 2017

Account	Vendor	Amount
Natural Gas	COLUMBIA GAS OF OHIO	1,685
	Total	1,685
Water	COLUMBUS CITY TREASURER	7,976
	Total	7,976
	Total Utilities	86,630
 Supplies and Materials		
Equipment Supplies	ADVANTAGE PRINTING INC	1,052
	BEST PLUMBING SPECIALTIES INC	132
	CDW GOVERNMENT INC	3,083
	CINTAS CORPORATION	204
	FASTSIGNS	213
	FIFTH THIRD BANK-CORP CARD	1,946
	GORDON FOOD SERVICE	1,609
	HILLYARD OHIO	377
	IMPACT COMUTERS AND ELECTRONICS, INC	139
	IT SAVVY	6,748
	LENOVO (UNITED STATES) INC	1,350
	MAINLINE COMPUTER PRODUCTS	2,279
	MNJ TECHNOLOGIES DIRECT INC	3,019
	OFFICE DEPOT INC	59
	PM PROFESSIONAL SERVICES	402
	QUALITY POOLS	570
	RR DONNELLEY AND SONS COMPANY	553
	SAM'S CLUB	189
	THE MILLCRAFT PAPER COMPANY	329
	VERITIV OPERATING COMPANY	1,487
	Total	25,740
Food Service Supplies	AVI FOOD SYSTEMS INC	1,490
	COCA-COLA BOTTLING CO CONSOLIDATED	1,919
	FIFTH THIRD BANK-CORP CARD	457
	FIRSTCHOICE	117
	GORDON FOOD SERVICE	14,548
	MISC. RECEIPTS	(8,197)
	SAM'S CLUB	425
	SCHNEIDER'S BAKERY INC	150
	STRS OHIO	(11,408)
	SUSAN R BROOKS	46
	TREASURER STATE OF OHIO	1,082
	Total	629

STATE TEACHERS RETIREMENT SYSTEM
Detailed Operating Expenses
For the Month Ended September 30, 2017

Account	Vendor	Amount
Office Supplies	BLUE BOX CORRUGATED INC	171
	CAPITOL OFFICE SUPPLY	204
	CENTRAL OHIO COPIER SUPPLY	2,280
	FIFTH THIRD BANK-CORP CARD	58
	INDEPENDENT STATIONERS INC	942
	OFFICE DEPOT INC	73
	STAPLES BUSINESS ADVANTAGE	2,103
	Total	5,831
Personal Computer Software	FIFTH THIRD BANK-CORP CARD	54
	Total	54
Publications/Subscriptions	AMERICAN CITY BUSINESS JOURNALS	3,000
	CRAIN COMMUNICATIONS INC	546
	DIRECTV	185
	FIFTH THIRD BANK-CORP CARD	457
	MATTHEW BENDER & CO INC	193
	NARASIMHA R VADREVV	75
	NEVADA LEARNING SERIES USA INC	1,184
	RELX INC DBA LEXISNEXIS	313
	THE COLUMBUS DISPATCH	577
	THE NEW YORK OBSERVER	500
	THE REPOSITORY	12
	THOMSON REUTERS INC	1,542
	WIRED	10
WOLTERS KLUWER LEGAL & REGULATORY US	680	
Total	9,274	
Uniforms	CINTAS CORPORATION	1,399
	ECONOMY	148
	UNIFIRST CORPORATION	484
	Total	2,031
Total Supplies and Materials		43,559
Other Expenses		
Conferences and Seminars	CASSANDRA REESE	549
	CENTRAL OHIO POSTAL CUSTOMER COUNCIL	70
	FIFTH THIRD BANK-CORP CARD	1,186
	HUMAN RESOURCES ASSOCIATION	370
	JOY L NELSON	25
	MICHAEL K MANCUSO	549
	MRI SOFTWARE LLC	1,095
	NATIONAL COUNCIL ON TEACHER RETIREMENT	1,135
	NIK TAN	2,675
OHIO SOCIETY OF CPAS	798	

STATE TEACHERS RETIREMENT SYSTEM
Detailed Operating Expenses
For the Month Ended September 30, 2017

Account	Vendor	Amount
	ROBERT L VANCE	2,245
	SCOTT PEARSON	500
	SUSAN D YOUNG	50
	Total	11,247
Dues and Licenses	CFA INSTITUTE	435
	CHERYL MERTZ	60
	HDI/UBM LLC	245
	INTERNATIONAL FOUNDATION	1,385
	NARASIMHA R VADREUVU	195
	PROJECT MANAGEMENT INSTITUTE	214
	PUBLIC RELATIONS SOCIETY OF AMERICA	310
	URBAN LAND INSTITUTE	220
	WORLD AT WORK	265
	Total	3,329
Member Education Programs	EMPLOYER WORKSHOP REGISTRATIONS	100
	FINDLAY INN & CONFERENCE CENTER	726
	HOLIDAY INN	4,678
	STILLWAGON ENTERPRISES	1,370
	Total	6,874
Miscellaneous	CAPITOL SQUARE REVIEW & ADVISORY BOARD	200
	FIFTH THIRD BANK-CORP CARD	279
	FIREPROOF RECORDS CENTER	445
	INFOSTORE LLC	31
	MAPLE LEE FLOWERS	139
	Total	1,094
Other Board Expense	FIFTH THIRD BANK-CORP CARD	23
	Total	23
Other Staff Expense	DONATO'S PIZZERIA LLC	59
	ELIZABETH R DERSTINE	122
	FIFTH THIRD BANK-CORP CARD	400
	HALO BRANDED SOLUTIONS INC	160
	HEATHER SHARPE	41
	JENNIFER MONTENARO	45
	KAREN L JONES	99
	LINDA I BAUER	41
	MISCELLANEOUS EXPENSE	1,722
	STEPHEN M REYNARD	52
	STRS OHIO	(1,205)
	SUZAN J WALTERS	200
	Total	1,736

STATE TEACHERS RETIREMENT SYSTEM
Detailed Operating Expenses
For the Month Ended September 30, 2017

Account	Vendor	Amount
Training	EREPUBLIC INC	50
	HDI/UBM LLC	316
	MASTERY CLOUD SERVICES	4,151
	THE OHIO STATE UNIVERSITY	676
	Total	5,193
Total Other Expenses		29,496
<hr/> Total Operating Expenses		8,687,110
State of Ohio Expenses	TREASURER STATE OF OHIO	210
	Total State of Ohio Expenses	210