



August Financial Reporting & Expenses

Succeeding this cover page are the STRS Ohio financial reports & expenses for the period ending Aug. 31, 2018. 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, 2018 through August 31, 2018

	Defined Benefit Plans	Defined Contribution	Postemployment Healthcare	Totals
Additions:				
Contributions:				
Member	254,708,389	15,858,668		\$270,567,057
Employer	266,159,372	6,796,572		\$272,955,944
Transfers from Defined Contribution Plan	6,070,841	(6,070,841)		
Government reimbursements			9,133,055	9,133,055
Benefit recipient healthcare premiums			53,515,102	53,515,102
Other retirement systems	8,278,187			8,278,187
Total contributions	<u>535,216,788</u>	<u>16,584,399</u>	<u>62,648,157</u>	<u>614,449,344</u>
Net investment income (loss)	<u>1,893,407,317</u>	<u>57,592,683</u>	<u>99,000,000</u>	<u>2,050,000,000</u>
Total additions	<u>\$2,428,624,105</u>	<u>\$74,177,082</u>	<u>\$161,648,157</u>	<u>\$2,664,449,344</u>
Deductions:				
Service retirement	1,126,633,924			1,126,633,924
Disability retirement	33,883,599			33,883,599
Survivor benefits	21,179,708			21,179,708
Health care			84,337,393	84,337,393
Other	5,537,856			5,537,856
Total benefit payments	<u>1,187,235,087</u>		<u>84,337,393</u>	<u>1,271,572,480</u>
Refunds to members who have withdrawn	46,133,269	11,978,486		58,111,755
Administrative expenses	15,506,289		441,413	15,947,702
Total deductions	<u>\$1,248,874,645</u>	<u>\$11,978,486</u>	<u>\$84,778,806</u>	<u>\$1,345,631,937</u>
Net increase (decrease)	<u>\$1,179,749,460</u>	<u>\$62,198,596</u>	<u>\$76,869,351</u>	<u>\$1,318,817,407</u>
Net position held in trust for pension and postemployment healthcare benefits				
Beginning of year	<u>73,244,277,854</u>	<u>1,458,574,240</u>	<u>3,712,604,057</u>	<u>78,415,456,153</u>
End of period	<u>\$74,424,027,314</u>	<u>\$1,520,772,836</u>	<u>\$3,789,473,408</u>	<u>\$79,734,273,560</u>

STATE TEACHERS RETIREMENT SYSTEM
 Actual Expenses vs. Budget
 For the Month and Fiscal Year-to-Date Ended August 31, 2018

	August	July	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
Salaries and Wages	\$ 5,932,572	\$ 3,936,086	\$ 9,868,658	\$ 9,787,830	\$ 61,836,300	\$ 7,728,744
Fringe Benefits	1,584,529	1,207,484	2,792,013	2,959,032	17,400,200	2,506,464
Professional and Technical Services	1,394,206	296,602	1,690,808	1,507,343	11,093,100	1,313,930
Repairs and Maintenance	664,493	227,665	892,158	850,733	5,669,800	1,210,750
Travel and Vehicles	34,076	10,779	44,855	35,627	715,000	31,763
Communications	42,517	153,630	196,147	309,380	1,954,200	286,824
Utilities	143,260	7,818	151,078	92,038	1,018,000	93,622
Supplies and Materials	85,218	33,069	118,287	105,337	907,000	99,540
Other Expenses	27,280	100,972	128,252	174,727	1,153,000	137,633
Total Operating Expenses	\$ 9,908,151	\$ 5,974,105	\$ 15,882,256	\$ 15,822,046	\$ 101,746,600	\$ 13,409,270
Capital Budget	\$ 135,467	\$ 4,696	\$ 140,163	\$ 140,163	\$ 4,195,800	\$ 72,957
State of Ohio Expenses	\$ 65,446	\$ 0	\$ 65,446	\$ 65,446	\$ 363,500	\$ 62,084

Staffing Information:	August	July	June
Budgeted FTE Associates	538	538	544
Full Time Equivalent Associates	525	527	527
Open FTE Positions	15	7	9

_____ Mr. Stein _____ moved, seconded by _____ Mr. Price _____, that the report be accepted and the expenditures for the month ending August 31, 2018 in the total amount of \$10,109,064 be approved.

STATE TEACHERS RETIREMENT SYSTEM

Actual Expenses vs. Budget

For the Month and Fiscal Year-to-Date Ended August 31, 2018

	August	July	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
SALARIES AND WAGES						
Salaries and Wages	\$ 5,915,452	\$ 3,923,538	\$ 9,838,990	\$ 9,765,135	\$ 50,778,700	\$ 7,651,105
Other Compensation	2,422	681	3,103	2,550	27,100	1,958
Incentive Compensation	0	0	0	0	9,200,000	0
Unused Vacation and Sick Leave	3,441	1,614	5,055	5,055	1,690,000	48,034
Overtime	9,082	8,453	17,535	11,116	92,500	12,672
Service Awards	2,175	1,800	3,975	3,975	48,000	14,975
Total Salaries and Wages	\$ 5,932,572	\$ 3,936,086	\$ 9,868,658	\$ 9,787,830	\$ 61,836,300	\$ 7,728,744
FRINGE BENEFITS						
OPERS Employer Cost	\$ 837,892	\$ 557,309	\$ 1,395,201	\$ 1,369,589	\$ 8,100,600	\$ 1,084,612
Medical/Hospitalization Insurance	542,483	593,978	1,136,461	1,200,000	7,200,000	1,113,736
Medicare	83,862	55,961	139,823	174,904	909,500	109,865
Dental Insurance	49,744	49,902	99,646	102,968	615,100	100,712
Educational Assistance	32,182	2,159	34,341	34,190	120,000	31,260
Workers' Compensation	11,589	(77,143)	(65,554)	27,885	145,000	17,976
Life Insurance	19,937	19,853	39,790	32,107	208,000	33,748
Disability Insurance	8,022	8,005	16,027	13,011	84,000	13,775
Wellness	(1,361)	(2,540)	(3,901)	0	0	(4,220)
Unemployment Compensation	179	0	179	4,379	18,000	5,000
Total Fringe Benefits	\$ 1,584,529	\$ 1,207,484	\$ 2,792,013	\$ 2,959,032	\$ 17,400,200	\$ 2,506,464
PROFESSIONAL AND TECHNICAL SERVICES						
Actuary	\$ 41,154	\$ 0	\$ 41,154	\$ 0	\$ 265,000	\$ 0
Audit	0	0	0	0	205,600	0
Banking Expense	9,850	144	9,994	23,136	130,000	23,639
Board Election Processing	0	0	0	0	65,000	0
Contract Services	0	4,000	4,000	0	377,900	0
Custodial Banking Fees	24,643	337	24,980	50,000	2,400,000	52,482
Data Management and Analytics	15,000	0	15,000	0	245,000	0
Disaster Recovery	1,014	0	1,014	1,128	14,500	1,055
Employment Verification	689	40	729	694	4,000	810
Health Care Consultant	0	0	0	0	228,000	0
Insurance Consultant	0	16,000	16,000	16,003	95,500	15,500
Investigative Services	400	0	400	563	19,300	453
Investment Consultant	20,833	0	20,833	21,337	710,000	20,833
Investment Research Services	804,033	216,907	1,020,940	749,533	2,600,000	702,258
Legal Fees	1,444	20	1,464	11,866	360,000	10,911
Medical Examinations	25,488	11,266	36,754	53,302	433,000	47,109
Other Consulting Services	27,082	1,702	28,784	12,980	623,300	12,261
Quotation and Analytic Services	414,510	44,520	459,030	555,750	2,223,000	401,451
Real Estate Contract Services	0	0	0	0	55,000	6,981
Recruitment Fees	3,279	1,298	4,577	7,718	19,000	16,255
Temporary Employment Services	4,787	368	5,155	3,333	20,000	1,932
Total Professional/Technical Services	\$ 1,394,206	\$ 296,602	\$ 1,690,808	\$ 1,507,343	\$ 11,093,100	\$ 1,313,930

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	\$ 53,747	\$ 48,863	\$ 102,610	\$ 106,847	\$ 722,000	\$ 101,708
Copiers	8,594	5,815	14,409	6,083	110,000	6,055
Data Processing Equipment	562,444	100,716	663,160	712,133	4,272,800	1,075,303
Elevators	0	0	0	0	93,000	0
Mail Center Equipment	5,293	0	5,293	0	21,500	0
Property Tax and Leases	9,056	9,056	18,112	16,091	240,000	18,112
Safety and Security Equipment	22,809	62,403	85,212	7,668	188,500	7,283
Trash Removal	2,550	812	3,362	1,911	22,000	2,289
Total Repairs and Maintenance	\$ 664,493	\$ 227,665	\$ 892,158	\$ 850,733	\$ 5,669,800	\$ 1,210,750
TRAVEL AND VEHICLES						
Gasoline	\$ 548	\$ 0	\$ 548	\$ 541	\$ 7,600	\$ 545
Staff and Board Travel	33,019	9,492	42,511	34,554	694,400	30,927
Vehicle Maintenance	509	1,287	1,796	531	13,000	291
Total Travel and Vehicles	\$ 34,076	\$ 10,779	\$ 44,855	\$ 35,627	\$ 715,000	\$ 31,763
COMMUNICATIONS						
Courier Services	\$ 1,979	\$ 1,043	\$ 3,022	\$ 2,911	\$ 27,200	\$ 2,421
Outsourced Distribution	886	2,815	3,701	18,000	108,000	4,921
Photography / Media	0	0	0	0	5,000	0
Postage	1,155	102,193	103,348	238,355	1,160,000	231,786
Printing	12,852	25,566	38,418	26,253	373,000	22,399
Telecommunications	25,645	22,013	47,658	23,860	281,000	25,297
Total Communications	\$ 42,517	\$ 153,630	\$ 196,147	\$ 309,380	\$ 1,954,200	\$ 286,824
UTILITIES						
Electricity	\$ 127,369	\$ 0	\$ 127,369	\$ 78,105	\$ 800,000	\$ 79,957
Natural Gas	7,185	7,818	15,003	5,105	120,000	6,365
Oil	0	0	0	0	18,000	0
Water	8,706	0	8,706	8,827	80,000	7,300
Total Utilities	\$ 143,260	\$ 7,818	\$ 151,078	\$ 92,038	\$ 1,018,000	\$ 93,622
SUPPLIES AND MATERIALS						
Equipment Supplies	\$ 69,034	\$ 26,872	\$ 95,906	\$ 76,349	\$ 596,800	\$ 74,975
Food Service Supplies	(2,425)	1,014	(1,411)	8,167	49,000	6,225
Office Supplies	6,832	2,173	9,005	5,811	52,000	5,380
Personal Computer Software	3,219	0	3,219	2,022	68,300	2,236
Publications/Subscriptions	5,917	592	6,509	7,478	100,900	5,346
Uniforms	2,641	2,418	5,059	5,510	40,000	5,378
Total Supplies and Materials	\$ 85,218	\$ 33,069	\$ 118,287	\$ 105,337	\$ 907,000	\$ 99,540

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	5,823	1,464	7,287	15,491	101,200	12,891
Dues and Licenses	1,976	1,088	3,064	6,698	161,100	6,435
Equipment Rental	0	0	0	0	0	0
Insurance	0	99,179	99,179	109,089	575,000	95,204
Member/Employer Education Programs	9,799	(1,213)	8,586	23,033	138,200	6,801
Miscellaneous Expense	1,019	51	1,070	1,802	22,800	1,524
Other Board Expense	293	0	293	302	3,800	284
Other Staff Expense	(804)	(361)	(1,165)	3,317	19,900	545
Training	9,174	764	9,938	14,995	128,000	13,949
Total Other Expenses	\$ 27,280	\$ 100,972	\$ 128,252	\$ 174,727	\$ 1,153,000	\$ 137,633
Total Operating Expenses	\$ 9,908,151	\$ 5,974,105	\$ 15,882,256	\$ 15,822,046	\$ 101,746,600	\$ 13,409,270

	August	July	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
Building Improvements	\$ 135,467	\$ 4,696	\$ 140,163	\$ 140,163	\$ 2,300,000	\$ 35,920
Furniture & Fixtures	0	0	0	0	0	0
Audio Visual	0	0	0	0	0	0
Information Processing	0	0	0	0	856,400	0
Maintenance	0	0	0	0	194,400	0
Miscellaneous	0	0	0	0	0	0
Office	0	0	0	0	20,000	0
Telecommunications	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0
Computer Software	0	0	0	0	825,000	37,037
Total Capital Budget	\$ 135,467	\$ 4,696	\$ 140,163	\$ 140,163	\$ 4,195,800	\$ 72,957
Total State of Ohio Expenses	\$ 65,446	\$ 0	\$ 65,446	\$ 65,446	\$ 363,500	\$ 62,084

August 2018 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 fourteen associates in August.

Professional and Technical Services

Actuary includes an update of purchase of service credit factors and monthly pension and health care valuation services for the new actuarial consultant. Implementation costs for a new health care information management system is included in Data Management and Analytics. The alternative investment consultant monthly fee is included in Investment Consultant. Investment Research Services includes quarterly trade management system fees and fundamental research services and annual Moody's database services, S&P research, and real estate information access and data analytics. Other Consulting Services includes external quantitative programming costs and two months of external government relations services. Quotation and Analytic Services include quarterly Bloomberg access charges.

Repairs and Maintenance

Building Maintenance and Equipment includes chiller service repairs and annual maintenance. Annual Microsoft maintenance and two months of STaRS maintenance are included in Data Processing Equipment. Replacement halon release valves for the fire suppression systems are included in Safety and Security Equipment.

Utilities

Electricity includes two months of usage and Gas and Water are for one month.

Supplies and Materials

Equipment Supplies include annual member statement forms, laptop computers and memory. Cafeteria sales exceeded expenses causing Food Service Supplies to show a credit balance. Compensation salary surveys are included in Publications/Subscriptions.

Other Expenses

Meeting room charges are included in Member/Employer Education Programs. Training includes annual online safety training for building and administrative services associates.

State of Ohio Expenses

The first quarterly payment for the Ohio Retirement Study Council was paid in August.

Capital Budget

Capital items for August include HVAC controller boxes and freight elevator upgrades.

STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses
For the Month Ended August 31, 2018

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Salaries and Wages		
Salaries & Wages	STRS OHIO	5,923,490
	Total	5,923,490
Overtime	STRS OHIO	9,082
	Total	9,082
	Total Salaries and Wages	5,932,572
Fringe Benefits		
OPERS Employer Cost	STRS OHIO	837,892
	Total	837,892
Medical/Hospitalization Insurance	MEDICAL CLAIMS	600,000
	MISC. RECEIPTS	(5,381)
	STRS OHIO	(129,724)
	UNITED HEALTHCARE INSURANCE CO	77,588
	Total	542,483
Medicare	STRS OHIO	83,862
	Total	83,862
Dental Insurance	DELTA DENTAL	49,940
	MISC. RECEIPTS	(196)
	Total	49,744
Educational Assistance	ASPE	1,310
	CHRIS WINGARD	510
	COLUMBUS STATE COMMUNITY COLLEGE	1,376
	FRANKLIN UNIVERSITY	14,222
	KELLER GRADUATE SCHOOL	1,723
	MISC. RECEIPTS	(71)
	SOUTHERN NEW HAMPSHIRE UNIVERSITY	2,880
	STRS OHIO	(150)
	THE OHIO STATE UNIVERSITY	4,584
	WESTERN GOVERNORS UNIVERSITY	3,750
	WORLD AT WORK	1,283
	ZACHARY MOWERY	765
	Total	32,182
Workers' Compensation	STRS OHIO	11,589
	Total	11,589
Life Insurance	LINCOLN NATIONAL LIFE INSURANCE COMPANY	19,937
	Total	19,937
Disability Insurance	LINCOLN NATIONAL LIFE INSURANCE COMPANY	8,022
	Total	8,022
Wellness	FIFTH THIRD BANK-CORP CARD	515
	HALO BRANDED SOLUTIONS INC	514
	OHIOHEALTH/WORK HEALTH	160
	STRS OHIO	(2,550)
	Total	(1,361)
Unemployment Compensation	OHIO DEPT OF JOB AND FAMILY SERVICES	179
	Total	179
	Total Fringe Benefits	1,584,529
Professional and Technical Services		
Actuary	CHEIRON INC	26,004
	SEGAL COMPANY	15,150
	Total	41,154
Banking Expense	FIFTH THIRD BANK	9,850
	Total	9,850

STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses
For the Month Ended August 31, 2018

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Custodial Banking Fees	FIFTH THIRD BANK	24,643
	Total	24,643
Data Management and Analytics	TRUVEN HEALTH ANALYTICS	15,000
	Total	15,000
Disaster Recovery	FIFTH THIRD BANK-CORP CARD	57
	FIREPROOF RECORDS CENTER	707
	RECOVERY POINT SYSTEMS	250
	Total	1,014
Employment Verification	OHIOHEALTH/WORK HEALTH	283
	SCREENPOINTE INC	406
	Total	689
Investigative Services	LEXISNEXIS RISK SOLUTIONS	400
	Total	400
Investment Consultant	CLIFFWATER LLC	20,833
	Total	20,833
Investment Research Services	COSTAR REALTY INFORMATION INC	162,509
	DTCC ITP LLC	400
	FRANK RUSSELL COMPANY	7,500
	IHS GLOBAL INC	16,644
	ITG PLATFORMS INC	32,756
	MOODY'S ANALYTICS INC	53,035
	MSCI INC	20,000
	S AND P DOW JONES INDICES LLC	18,150
	S AND P GLOBAL MARKET INTELLIGENCE	386,051
	THOMSON REUTERS(MARKETS) LLC	98,159
	TRADEWEB LLC	1,500
	WILSHIRE ASSOCIATES INC	7,329
	Total	804,033
Legal Fees	FL DEPT OF HEALTH VITAL STATISTICS	5
	JONES DAY	73
	MONTGOMERY COUNTY PROBATE COURT	25
	MUNGER TOLLES AND OLSON LLP	16
	PRYOR CASHMAN LLP	147
	TUCKER ELLIS LLP	1,178
	Total	1,444
Medical Examinations	ALBERT J KOLIBASH JR MD	280
	CLAIRE V WOLFE MD	360
	COLUMBUS CARDIOLOGY CARE	620
	COLUMBUS NEPHROLOGY INC	500
	DISABILITY & IMPAIRMENT EVALUATIONS, INC	3,350
	DONALD C MANN MD INC	2,550
	EDWIN H SEASON MD INC	180
	JAMES CANCER HOSPITAL	1,344
	JAMES N ALLEN, MD	820
	JAMES R. HAWKINS, M.D.	3,600
	JEFFERY C HUTZLER MD	460
	MARC COOPERMAN MD	460
	MARTIN J GOTTESMAN MD	7,295
	MEDICAL EVALUATORS LLC	525
	METROHEALTH PROFESSIONAL GROUP	623
	OSU INTERNAL MEDICINE, LLC	470
	STEIMAN NEUROLOGY GROUP INC	1,150
	STEPHEN D HEIS MD & ASSOCIATES	475
	SUMMIT REHAB MEDICINE INC	426
	Total	25,488

STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses
For the Month Ended August 31, 2018

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Other Consulting Services	CALFEE HALTER AND GRISWOLD LLP	11,000
	FIFTH THIRD BANK	7,249
	FUSION TECHNOLOGIES-EAST LLC	8,833
	Total	27,082
Quotation and Analytic Service	BLOOMBERG FINANCE LP	410,674
	NYSE MARKET INC	2,543
	OPTIONS PRICE REPORTING AUTHORITY LLC	882
	TSX INC	411
Total	414,510	
Recruitment Fees	AMERICAN EXPRESS COMPANY	94
	INDEED INC	3,000
	MING-YU XU	185
Total	3,279	
Temporary Employment Services	OFFICE TEAM	1,587
	US PROTECTION SERVICE	3,200
Total	4,787	
Total Professional and Technical Services		1,394,206
Repairs and Maintenance		
Building Maintenance and Equipment	AMBIUS LLC 05	1,573
	ARBA RETAIL SYSTEMS	2,400
	BUCK AND SONS LANDSCAPE SERVICE INC	1,170
	COMMERCIAL PARTS & SERVICES OF OHIO INC	137
	CONSOLIDATED ELECT DIST	50
	FIBERCARE	4,390
	FIFTH THIRD BANK-CORP CARD	572
	GLOBE WINDOW CLEANING INC	2,624
	GRAINGER INC	586
	GRAYBAR	29
	I SUPPLY COMPANY	6,045
	LOMBARDI WATER MANAGEMENT INC	1,174
	MCMASTER-CARR SUPPLY COMPANY	62
	OHIO POWER TOOL INC	161
	PEPCO	360
	PIPE-VALVES INC	79
	PRAXAIR DISTRIBUTION INC	183
	SPEER MECHANICAL	2,911
	TERMINIX	399
	TRANE US INC	28,226
TRI-STATE VALVE & INSTRUMENT INC	25	
VERTIV SERVICES INC	256	
WESCO DISTRIBUTION, INC.	335	
Total	53,747	
Copiers	CANON FINANCIAL SERVICES INC	3,804
	GORDON FLESCH CO INC	4,137
	MODERN OFFICE METHODS INC	630
	MT BUSINESS TECHNOLOGIES INC	23
Total	8,594	
Data Processing Equipment	ALTOVA INC	997
	BLOOMBERG FINANCE LP	6,625
	CDW GOVERNMENT INC	1,152
	CELARTEM INC	1,492
	DELL MARKETING LP	357,846
	DIVERSATEC RESOURCES INC	1,985
	DLT SOLUTIONS INC	21,765
	FIFTH THIRD BANK-CORP CARD	565
	IOVATION INC	3,827
	PEAK-RYZEX INC	7,203
SERVICE EXPRESS INC	1,021	

STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses
For the Month Ended August 31, 2018

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	VIRTUAL HOLD TECHNOLOGY LLC	12,146
	VITECH SYSTEMS GROUP INC	142,411
	XEROX CORPORATION	3,409
	Total	562,444
Mail Center Equipment	NEOPOST USA INC	5,293
	Total	5,293
Property Tax and Leases	HOLLINGSWORTH CAPITAL PARTNERS COLS LLC	9,056
	Total	9,056
Safety & Security Equipment	CAMTRONICS COMMUNICATION COMPANY	7,615
	ELECTROCOMM COLUMBUS CORP	814
	ELECTRONIC SECURITY SERVICES INC	85
	FASTSIGNS	116
	HARD FIRE SUPPRESION SYSTEMS	13,173
	JOHNSON CONTROLS FIRE PROTECTION LP	886
	STEWART'S SECURITY SERVICE	120
	Total	22,809
Trash Removal	MH EQUIPMENT COMPANY	754
	MISC. RECEIPTS	(335)
	REPUBLIC SERVICES #046	198
	WASTE MANAGEMENT INC	1,933
	Total	2,550
	Total Repairs and Maintenance	664,493
Travel and Vehicles		
Gasoline	FIFTH THIRD BANK-CORP CARD	548
	Total	548
Staff and Board Travel	ALAN E MUENCH	40
	ALAN J WARNER	98
	AMERICAN EXPRESS COMPANY	18,719
	AMERICAN FEDERATION OF TEACHERS	40
	ANTHONY WEBB	551
	BRIAN R ENGSTROM	598
	CAROL L CORRETHEERS	157
	DALE L PRICE	202
	DEUTSCHE BANK AG	173
	DONALD W SWEET	1,451
	ERIC NEWBERG	94
	GARY FOUST	128
	GRANT EDWARDS	510
	HOLIDAY INN	99
	HOPE K SHORT	239
	IRENE T BLACK	407
	JACOB R CLARK	40
	JASON A SAUER	65
	JASON J TINCHER	984
	JASON T JARVIS	316
	JOHN A BUCH	326
	JULIA A VISKANTA	366
	KELLEY S MCCHRISTY	145
	KENNETH H BLANKE	767
	LANNY D WELLY	477
	MARCY H YEAMANS	1,769
	MARK A REED	111
	MARK D SCRANTON	509
	MARK REGENBOGEN	127
	MISC. RECEIPTS	(56)
	NIK TAN	950
	SHARA D BAILEY	171
	SOFTWARE SKILLS TRAINING INC	767
	STANTON WEST	768

STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses
For the Month Ended August 31, 2018

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	TAMLA D COLE	360
	WILLIAM A SHURMAN	131
	YOEL MAYERFELD	420
	Total	33,019
Vehicle Maintenance	BYERS CHRYSLER, LLC	223
	KLEAN-A-KAR KUSTOM	59
	MOO MOO CAR WASH	77
	TEAM LUBRICATION INC	150
	Total	509
	Total Travel and Vehicles	34,076
Communications		
Courier Services	FEDEX	94
	FREIGHTQUOTE.COM	178
	RAINBOW EXPRESS INC	924
	UNITED PARCEL SERVICE	783
	Total	1,979
Outsourced Distribution	BAESMAN GROUP INC	886
	Total	886
Postage	FIFTH THIRD BANK-CORP CARD	15
	LORTON DATA INC.	255
	THE OLD TRAIL PRINTING CO INC	885
	Total	1,155
Printing	ADVANCE GRAPHICS	34
	BAESMAN GROUP INC	4,058
	THE OLD TRAIL PRINTING CO INC	8,760
	Total	12,852
Telecommunications	AT&T	45
	FRONTIER	86
	ROBERT KOCI	71
	SCOTT W HAMMOND	149
	TIME WARNER CABLE	344
	VERIZON WIRELESS	3,469
	WEST UNIFIED COMMUNICATIONS SERVICES INC	22
	WOW BUSINESS	1,778
	XO COMMUNICATIONS	19,681
	Total	25,645
	Total Communications	42,517
Utilities		
Electricity	AMERICAN ELECTRIC POWER	32,890
	CITY OF WESTERVILLE	2,895
	CONSTELLATION NEW ENERGY INC	91,584
	Total	127,369
Natural Gas	COLUMBIA GAS OF OHIO	2,095
	CONSTELLATION ENERGY SVCS - NATURAL GAS	5,090
	Total	7,185
Water	COLUMBUS CITY TREASURER	8,706
	Total	8,706
	Total Utilities	143,260
Supplies and Materials		
Equipment Supplies	CAMTRONICS COMMUNICATION COMPANY	2,353
	CDW GOVERNMENT INC	1,750
	CINTAS CORPORATION	417
	FASTSIGNS	70
	FIFTH THIRD BANK-CORP CARD	2,441

STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses
For the Month Ended August 31, 2018

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	GORDON FOOD SERVICE	2,334
	GRAINGER INC	313
	GRAYBAR	466
	INSIGHT PUBLIC SECTOR INC	7,757
	IT SAVVY	7,861
	KROGER-COLUMBUS CUSTOMER CHARGES	5
	MNJ TECHNOLOGIES DIRECT INC	25,931
	PM PROFESSIONAL SERVICES	750
	QUALITY POOLS	297
	RR DONNELLEY AND SONS COMPANY	11,043
	SAM'S CLUB	28
	STATE INDUSTRIAL PRODUCTS	763
	THE MILLCRAFT PAPER COMPANY	1,244
	VERITIV OPERATING COMPANY	3,003
	VERIZON WIRELESS	208
	Total	69,034
Food Service Supplies	AVI FOOD SYSTEMS INC	1,841
	COCA-COLA BOTTLING CO CONSOLIDATED	1,127
	FIFTH THIRD BANK-CORP CARD	93
	FIRSTCHOICE	163
	GORDON FOOD SERVICE	14,730
	KROGER-COLUMBUS CUSTOMER CHARGES	652
	MISC. RECEIPTS	(9,022)
	READY REFRESH	42
	SAM'S CLUB	243
	SCHNEIDER'S BAKERY INC	221
	STRS OHIO	(13,581)
	SUSAN R BROOKS	47
	TREASURER STATE OF OHIO	1,019
	Total	(2,425)
Office Supplies	BLUE BOX CORRUGATED INC	343
	CAPITOL OFFICE SUPPLY	180
	CENTRAL OHIO COPIER SUPPLY	2,591
	INDEPENDENT STATIONERS INC	1,837
	JENNIFER MONTENARO	85
	OFFICE DEPOT INC	72
	STAPLES BUSINESS ADVANTAGE	1,724
	Total	6,832
Personal Computer Software	DELL MARKETING LP	1,664
	MNJ TECHNOLOGIES DIRECT INC	1,555
	Total	3,219
Publications/Subscriptions	CRAIN COMMUNICATIONS INC	350
	DIRECTV	193
	FIFTH THIRD BANK-CORP CARD	354
	MERCER	4,260
	RELX INC DBA LEXISNEXIS	326
	WOLTERS KLUWER LEGAL & REGULATORY US	434
	Total	5,917
Uniforms	CINTAS CORPORATION	1,904
	ECONOMY	60
	FIFTH THIRD BANK-CORP CARD	124
	UNIFIRST CORPORATION	553
	Total	2,641
	Total Supplies and Materials	85,218
Other Expenses		
Conferences and Seminars	DOG FOOD CONFERENCE CORP	1,805
	HUMAN RESOURCES ASSOCIATION	90
	MICHAEL K MANCUSO	599

STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses
For the Month Ended August 31, 2018

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	NATL ASSOC OF INDUST & OFFICE PROPERTIES	895
	OHIO SOCIETY OF CPAS	25
	PMI CENTRAL OHIO CHAPTER	1,194
	PUBLIC PENSION FINANCIAL FORUM	800
	REBECCA L RYAN	100
	TODD JACOBSON	315
	Total	5,823
Dues and Licenses	AMERICAN SOCIETY FOR QUALITY INC	159
	CFA INSTITUTE	435
	CONNIE J GUYER	86
	FIFTH THIRD BANK-CORP CARD	119
	OHIOHEALTH/WORK HEALTH	218
	PROJECT MANAGEMENT INSTITUTE	154
	PUBLIC RELATIONS SOCIETY OF AMERICA	320
	STANTON WEST	150
	TODD JACOBSON	115
	URBAN LAND INSTITUTE	220
	Total	1,976
Member Education Programs	COURTYARD MARRIOTT	474
	EMBASSY SUITES	5,228
	HOLIDAY INN	2,248
	KALAHARI RESORT & CONVENTION CENTER	725
	MISCELLANEOUS RECEIPTS	(45)
	THE MANDALAY	1,169
	Total	9,799
Miscellaneous	CAPITOL SQUARE REVIEW & ADVISORY BOARD	400
	FIFTH THIRD BANK-CORP CARD	21
	FIREPROOF RECORDS CENTER	293
	INFOSTORE LLC	31
	MAPLE LEE FLOWERS	220
	TL SAVAGE INC	54
	Total	1,019
Other Board Expense	MISCELLANEOUS EXPENSE	293
	Total	293
Other Staff Expense	CHERIE SANDBRINK	12
	FIFTH THIRD BANK-CORP CARD	433
	MISC. RECEIPTS	(424)
	STRS OHIO	(1,208)
	SUZAN J WALTERS	175
	THE OHIO STATE UNIVERSITY	208
	Total	(804)
Training	MASTERY CLOUD SERVICES	4,151
	PROTECH PROFESSIONAL SERVICES INC	2,995
	SOFTWARE SKILLS TRAINING INC	2,028
	Total	9,174
	Total Other Expenses	27,280
	Total Operating Expenses	9,908,151
State of Ohio Expenses	OHIO RETIREMENT STUDY COUNCIL	65,296
	TREASURER STATE OF OHIO	148
	Total State of Ohio Expenses	65,446