



February Financial Reporting & Expenses

Succeeding this cover page are the STRS Ohio financial reports & expenses for the period ending Feb. 28, 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, 2018 through February 28, 2019

	Defined Benefit Plans	Defined Contribution	Postemployment Healthcare	Totals
Additions:				
Contributions:				
Member	1,016,447,943	68,780,377		\$1,085,228,320
Employer	1,072,473,171	29,477,304		\$1,101,950,476
Transfers from Defined Contribution Plan	6,070,841	(6,070,841)		
Government reimbursements			61,119,414	61,119,414
Benefit recipient healthcare premiums			210,707,520	210,707,520
Other retirement systems	21,210,216			21,210,216
Total contributions	<u>2,116,202,171</u>	<u>92,186,840</u>	<u>271,826,934</u>	<u>2,480,215,945</u>
Net investment income (loss)	<u>1,830,646,809</u>	<u>19,853,191</u>	<u>99,500,000</u>	<u>1,950,000,000</u>
Total additions	<u>\$3,946,848,980</u>	<u>\$112,040,031</u>	<u>\$371,326,934</u>	<u>\$4,430,215,945</u>
Deductions:				
Service retirement	4,456,399,746			4,456,399,746
Disability retirement	134,862,584			134,862,584
Survivor benefits	83,766,897			83,766,897
Health care			338,226,794	338,226,794
Other	17,907,352			17,907,352
Total benefit payments	<u>4,692,936,579</u>		<u>338,226,794</u>	<u>5,031,163,373</u>
Refunds to members who have withdrawn	154,531,939	34,695,561		189,227,500
Administrative expenses	68,174,754		1,666,890	69,841,644
Total deductions	<u>\$4,915,643,272</u>	<u>\$34,695,561</u>	<u>\$339,893,684</u>	<u>\$5,290,232,517</u>
Net increase (decrease)	<u>(\$968,794,292)</u>	<u>\$77,344,470</u>	<u>\$31,433,250</u>	<u>(\$860,016,572)</u>
Net position held in trust for pension and postemployment healthcare benefits				
Beginning of year	<u>73,457,567,076</u>	<u>1,458,734,754</u>	<u>3,721,348,874</u>	<u>78,637,650,704</u>
End of period	<u>\$72,488,772,784</u>	<u>\$1,536,079,224</u>	<u>\$3,752,782,124</u>	<u>\$77,777,634,132</u>

STATE TEACHERS RETIREMENT SYSTEM
 Actual Expenses vs. Budget
 For the Month and Fiscal Year-to-Date Ended February 28, 2019

	February	January	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
Salaries and Wages	\$ 4,368,340	\$ 5,264,157	\$ 44,389,534	\$ 44,189,911	\$ 61,836,300	\$ 43,291,575
Fringe Benefits	1,294,578	1,484,108	11,501,791	11,784,325	17,400,200	11,254,985
Professional and Technical Services	998,461	837,185	6,456,972	7,314,384	11,093,100	6,710,129
Repairs and Maintenance	257,363	473,771	3,417,898	3,418,139	5,669,800	3,353,749
Travel and Vehicles	23,783	29,233	321,432	386,049	715,000	343,380
Communications	39,556	122,357	1,365,075	1,377,943	1,954,200	1,309,520
Utilities	74,948	109,579	676,655	488,567	1,018,000	504,968
Supplies and Materials	39,329	54,209	634,353	605,632	907,000	590,623
Other Expenses	70,475	44,668	850,884	912,526	1,153,000	798,154
Total Operating Expenses	\$ 7,166,833	\$ 8,419,267	\$ 69,614,594	\$ 70,477,476	\$ 101,746,600	\$ 68,157,083
Capital Budget	\$ 262,623	\$ 354,809	\$ 1,192,634	\$ 1,192,634	\$ 4,195,800	\$ 1,665,507
State of Ohio Expenses	\$ 145	\$ 80,484	\$ 227,050	\$ 227,050	\$ 363,500	\$ 187,011

Staffing Information:	February	January	December
Budgeted FTE Associates	538	538	538
Full Time Equivalent Associates	521	526	525
Open FTE Positions	16	11	8

_____ Mr. Brooks _____ moved, seconded by _____ Mr. Price _____, that the report be accepted and the expenditures for the month ending February 28, 2019 in the total amount of \$7,429,601 be approved.

STATE TEACHERS RETIREMENT SYSTEM
 Actual Expenses vs. Budget
 For the Month and Fiscal Year-to-Date Ended February 28, 2019

	February	January	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
SALARIES AND WAGES						
Salaries and Wages	\$ 3,901,670	\$ 3,921,716	\$ 33,342,815	\$ 33,201,458	\$ 50,778,700	\$ 32,537,997
Other Compensation	2,519	2,738	18,126	16,881	27,100	12,962
Incentive Compensation	0	0	8,886,078	9,200,000	9,200,000	9,222,061
Unused Vacation and Sick Leave	452,854	1,328,212	2,046,905	1,690,000	1,690,000	1,407,354
Overtime	8,847	9,041	69,235	55,197	92,500	62,926
Service Awards	2,450	2,450	26,375	26,375	48,000	48,275
Total Salaries and Wages	\$ 4,368,340	\$ 5,264,157	\$ 44,389,534	\$ 44,189,911	\$ 61,836,300	\$ 43,291,575
FRINGE BENEFITS						
OPERS Employer Cost	\$ 555,239	\$ 701,317	\$ 5,485,614	\$ 5,574,861	\$ 8,100,600	\$ 5,449,147
Medical/Hospitalization Insurance	580,786	601,384	4,678,380	4,800,000	7,200,000	4,384,367
Medicare	62,469	75,144	633,291	594,673	909,500	618,393
Dental Insurance	48,833	49,191	395,663	410,457	615,100	401,464
Educational Assistance	9,363	18,050	87,493	104,216	120,000	95,285
Workers' Compensation	9,327	10,108	4,401	94,808	145,000	94,537
Life Insurance	22,677	22,920	164,714	134,393	208,000	141,262
Disability Insurance	8,147	8,466	67,379	54,095	84,000	57,273
Wellness	(2,263)	(2,472)	(18,160)	0	0	(5,950)
Unemployment Compensation	0	0	3,016	16,823	18,000	19,207
Total Fringe Benefits	\$ 1,294,578	\$ 1,484,108	\$ 11,501,791	\$ 11,784,325	\$ 17,400,200	\$ 11,254,985
PROFESSIONAL AND TECHNICAL SERVICES						
Actuary	\$ 0	\$ 42,229	\$ 158,986	\$ 141,847	\$ 265,000	\$ 117,391
Audit	2,188	44,946	107,762	101,815	205,600	157,851
Banking Expense	2,658	511	22,007	89,495	130,000	91,443
Board Election Processing	0	0	0	0	65,000	0
Contract Services	24,824	4,950	242,195	261,038	377,900	195,782
Custodial Banking Fees	6,583	437,012	995,015	1,250,000	2,400,000	1,304,548
Data Management and Analytics	29,500	0	77,875	122,500	245,000	66,750
Disaster Recovery	1,096	1,478	7,733	8,433	14,500	7,889
Employment Verification	178	413	4,234	2,844	4,000	3,317
Health Care Consultant	0	0	6,250	114,000	228,000	25,000
Insurance Consultant	16,000	0	48,000	48,008	95,500	46,500
Investigative Services	720	589	4,644	5,221	19,300	4,201
Investment Consultant	20,834	20,833	373,808	376,337	710,000	367,444
Investment Research Services	201,647	214,307	2,312,019	2,248,065	2,600,000	2,106,273
Legal Fees	11,975	1,215	(45,279)	307,538	360,000	282,783
Medical Examinations	27,316	32,149	197,162	282,776	433,000	249,921
Other Consulting Services	68,464	21,771	321,589	237,843	623,300	224,676
Quotation and Analytic Services	573,345	9,161	1,545,806	1,667,250	2,223,000	1,368,115
Real Estate Contract Services	5,000	0	32,794	27,500	55,000	40,425
Recruitment Fees	4,459	3,000	14,784	8,540	19,000	17,985
Temporary Employment Services	1,674	2,621	29,588	13,333	20,000	31,835
Total Professional/Technical Services	\$ 998,461	\$ 837,185	\$ 6,456,972	\$ 7,314,384	\$ 11,093,100	\$ 6,710,129

February Expenses vs. Budget
Page 2

	February	January	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
REPAIRS AND MAINTENANCE						
Building Maintenance and Equipment	\$ 32,401	\$ 57,485	\$ 412,129	\$ 453,031	\$ 722,000	\$ 431,241
Copiers	10,524	6,917	62,963	61,770	110,000	61,485
Data Processing Equipment	197,404	303,693	2,614,449	2,569,089	4,272,800	2,586,218
Elevators	0	0	3,707	62,000	93,000	(8,981)
Mail Center Equipment	0	260	8,151	8,094	21,500	5,850
Property Tax and Leases	9,056	89,625	153,118	136,091	240,000	153,184
Safety and Security Equipment	5,839	13,252	145,982	115,512	188,500	109,717
Trash Removal	2,139	2,539	17,399	12,552	22,000	15,035
Total Repairs and Maintenance	\$ 257,363	\$ 473,771	\$ 3,417,898	\$ 3,418,139	\$ 5,669,800	\$ 3,353,749
TRAVEL AND VEHICLES						
Gasoline	\$ 355	\$ 131	\$ 4,842	\$ 4,495	\$ 7,600	\$ 4,525
Staff and Board Travel	23,080	28,683	310,529	373,923	694,400	334,676
Vehicle Maintenance	348	419	6,061	7,631	13,000	4,179
Total Travel and Vehicles	\$ 23,783	\$ 29,233	\$ 321,432	\$ 386,049	\$ 715,000	\$ 343,380
COMMUNICATIONS						
Courier Services	\$ 1,237	\$ 2,324	\$ 12,999	\$ 16,544	\$ 27,200	\$ 13,758
Outsourced Distribution	1,182	(6,930)	65,575	89,423	108,000	71,338
Photography / Media	0	0	0	0	5,000	0
Postage	5,287	105,629	877,798	859,932	1,160,000	836,231
Printing	6,467	(4,333)	207,148	235,073	373,000	200,561
Telecommunications	25,383	25,667	201,555	176,972	281,000	187,632
Total Communications	\$ 39,556	\$ 122,357	\$ 1,365,075	\$ 1,377,943	\$ 1,954,200	\$ 1,309,520
UTILITIES						
Electricity	\$ 50,854	\$ 80,030	\$ 541,853	\$ 375,804	\$ 800,000	\$ 384,713
Natural Gas	23,247	28,575	102,480	64,326	120,000	80,197
Oil	0	0	0	0	18,000	0
Water	847	974	32,322	48,438	80,000	40,058
Total Utilities	\$ 74,948	\$ 109,579	\$ 676,655	\$ 488,567	\$ 1,018,000	\$ 504,968
SUPPLIES AND MATERIALS						
Equipment Supplies	\$ 18,563	\$ 32,805	\$ 461,768	\$ 438,967	\$ 596,800	\$ 431,069
Food Service Supplies	803	10,066	35,636	27,383	49,000	34,538
Office Supplies	2,462	4,166	36,377	36,214	52,000	33,529
Personal Computer Software	6,357	416	30,927	27,887	68,300	30,839
Publications/Subscriptions	7,547	1,825	44,985	48,742	100,900	34,845
Uniforms	3,597	4,931	24,660	26,438	40,000	25,803
Total Supplies and Materials	\$ 39,329	\$ 54,209	\$ 634,353	\$ 605,632	\$ 907,000	\$ 590,623

February Expenses vs. Budget
Page 3

	February	January	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	5,665	7,795	35,734	55,312	101,200	46,028
Dues and Licenses	7,673	26,174	87,544	89,206	161,100	85,702
Equipment Rental	0	0	0	0	0	0
Insurance	0	0	544,035	575,000	575,000	501,814
Member/Employer Education Programs	13,659	3,089	71,143	76,060	138,200	59,720
Miscellaneous Expense	3,142	1,478	11,179	14,234	22,800	12,038
Other Board Expense	231	0	1,997	1,787	3,800	1,681
Other Staff Expense	740	862	9,852	14,435	19,900	10,712
Training	39,365	5,270	89,400	86,491	128,000	80,459
Total Other Expenses	\$ 70,475	\$ 44,668	\$ 850,884	\$ 912,526	\$ 1,153,000	\$ 798,154
Total Operating Expenses	\$ 7,166,833	\$ 8,419,267	\$ 69,614,594	\$ 70,477,476	\$ 101,746,600	\$ 68,157,083

	February	January	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
Building Improvements	\$ 9,156	\$ 7,160	\$ 191,106	\$ 191,106	\$ 2,300,000	\$ 35,920
Furniture & Fixtures	0	0	0	0	0	0
Audio Visual	0	0	0	0	0	0
Information Processing	253,467	0	511,587	511,587	856,400	446,776
Maintenance	0	3,563	67,679	67,679	194,400	0
Miscellaneous	0	0	0	0	0	0
Office	0	10,355	15,533	15,533	20,000	20,356
Telecommunications	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0
Computer Software	0	333,731	406,729	406,729	825,000	1,162,455
Total Capital Budget	\$ 262,623	\$ 354,809	\$ 1,192,634	\$ 1,192,634	\$ 4,195,800	\$ 1,665,507
Total State of Ohio Expenses	\$ 145	\$ 80,484	\$ 227,050	\$ 227,050	\$ 363,500	\$ 187,011

February 2019 Expense Notes

General Comments

Actual fiscal year-to-date operating expenses total \$69.6 million, approximately \$860,000 lower than expected. Incentive Compensation is lower than the budgeted amount by approximately \$300,000.

Salaries and Fringe Benefits

Unused Vacation and Sick Leave includes payment to four retiring associates. Educational Assistance was provided for five associates in February.

Professional and Technical Services

Contract Services includes IT security testing. Data Management and Analytics includes quarterly retiree health care information services. Quarterly retainer fees are included in Insurance Consultant. One month of alternative investment consultant services is included in Investment Consultant. Investment Research includes annual fees for credit ratings and semi-annual international economic services. Legal Fees include fees paid to outside counsel. Other Consulting Services include annual Risk Institute membership, payment for member research, and external quantitative programming costs. Quotation and Analytic Services includes quarterly Bloomberg charges and annual London stock exchange fees. Retainer fees for an REIC member is included in Real Estate Contract Services.

Repairs and Maintenance

Building Maintenance and Equipment includes temperature/humidity sensors, window and carpet cleaning, and computer room HVAC maintenance. Data Processing Equipment includes Maximis development and automated testing tools and network performance monitoring maintenance.

Utilities

Electricity, Natural Gas and Water are for usage through January.

Supplies and Materials

Personal Computer Software includes server virtualization software licenses. Annual *New York Times* subscriptions are included in Publications/Subscriptions.

Other Expenses

Public Sector Health Care Roundtable dues and annual American Academy of Actuaries and Society of Actuaries membership fees are included in Dues and Licenses. Member counseling meeting room charges are included in Member/Employer Education Programs. Annual loading zone fees are included in Miscellaneous Expenses. Technology online training costs are included in Training.

Capital Budget

Capital items for February include a network performance monitoring and diagnostic tool, freight elevator upgrades, and initial costs on the north building roof replacement.

STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses
For the Month Ended February 28, 2019

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Salaries and Wages		
Salaries & Wages	STRS OHIO	4,359,493
	Total	4,359,493
Overtime	STRS OHIO	8,847
	Total	8,847
	Total Salaries and Wages	4,368,340
Fringe Benefits		
OPERS Employer Cost	STRS OHIO	555,239
	Total	555,239
Medical/Hospitalization Insurance	MEDICAL CLAIMS	600,000
	MISC. RECEIPTS	(5,581)
	STRS OHIO	(90,866)
	UNITED HEALTHCARE INSURANCE CO	77,233
	Total	580,786
Medicare	STRS OHIO	62,469
	Total	62,469
Dental Insurance	DELTA DENTAL	48,990
	MISC. RECEIPTS	(157)
	Total	48,833
Educational Assistance	KELLER GRADUATE SCHOOL	1,723
	SOUTHERN NEW HAMPSHIRE UNIVERSITY	3,840
	WESTERN GOVERNORS UNIVERSITY	3,800
	Total	9,363
Workers' Compensation	MEDQUEST EVALUATORS LLC	1,269
	STRS OHIO	8,058
	Total	9,327
Life Insurance	LINCOLN NATIONAL LIFE INSURANCE COMPANY	22,677
	Total	22,677
Disability Insurance	LINCOLN NATIONAL LIFE INSURANCE COMPANY	8,147
	Total	8,147
Wellness	ELIZABETH C DUDLEY	47
	OHIOHEALTH/WORK HEALTH	160
	STRS OHIO	(2,470)
	Total	(2,263)
	Total Fringe Benefits	1,294,578
Professional and Technical Services		
Audit	CLAIM TECHNOLOGIES INC	2,188
	Total	2,188
Banking Expense	FIFTH THIRD BANK	2,658
	Total	2,658
Contract Services	BLACK HILLS INFORMATION SECURITY LLC	24,705
	W BRADLEY ELECTRIC INC/ WBE NETWORK SYS	119
	Total	24,824
Custodial Banking Fees	FIFTH THIRD BANK	6,583
	Total	6,583
Data Management and Analytics	IBM CORPORATION	29,500
	Total	29,500
Disaster Recovery	FIFTH THIRD BANK-CORP CARD	100
	FIREPROOF RECORDS CENTER	746
	RECOVERY POINT SYSTEMS	250
	Total	1,096

STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses
For the Month Ended February 28, 2019

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Employment Verification	OHIOHEALTH/WORK HEALTH	44
	SCREENPOINTE INC	134
	Total	178
Insurance Consultant	ALPHA RISK MANAGEMENT INC	16,000
		Total
Investigative Services	LEXISNEXIS RISK SOLUTIONS	720
		Total
Investment Consultant	CLIFFWATER LLC	20,834
		Total
Investment Research Services	APPLIED GLOBAL MACRO RESEARCH LLC	10,000
	BARCLAYS BANK PLC	680
	DTCC ITP LLC	400
	FX CONNECT LLC	6,000
	ITG PLATFORMS INC	3,056
	MOODY'S ANALYTICS INC	128,310
	MSCI ESG RESEARCH INC	13,773
	NATIONAL ASSOC OF STATE INVEST OFFICERS	1,250
	TRADEWEB LLC	1,600
	TRANS NATIONAL RESEARCH CORPORATION	29,250
	WILSHIRE ASSOCIATES INC	7,328
	Total	201,647
Legal Fees	CALFEE HALTER AND GRISWOLD LLP	9,697
	JONES DAY	236
	NEWHOUSE PROPHATER KOLMAN & HOGAN LLC	98
	PRYOR CASHMAN LLP	998
	TUCKER ELLIS LLP	946
	Total	11,975
Medical Examinations	ARMSTRONG AND OKEY	121
	CENTRAL OHIO PRIMARY CARE	326
	CLAIRE V WOLFE MD	180
	CLEVELAND CLINIC FOUNDATION	3,593
	COLUMBUS CARDIOLOGY CARE	250
	DELANEY SMITH MD	450
	DISABILITY & IMPAIRMENT EVALUATIONS, INC	4,100
	DONALD C MANN MD INC	1,700
	ERICA DAWSON PHD ABPP	2,005
	EYE SURGICAL & MEDICAL CARE	1,020
	GABRAIL CANCER CENTER	450
	INDEPENDENT EVALUATORS INC	500
	JAMES N ALLEN, MD	180
	JEFFERY C HUTZLER MD	180
	JON KRONBERG MD	500
	MARTIN J GOTTESMAN MD	7,295
	OHIO ENT	756
	OSU INTERNAL MEDICINE, LLC	190
	OSU PSYCHIATRY, LLC	1,000
	PHYSICAL MEDICINE, SPORTS & INDL LLC	1,000
RONALD L WHISLER MD	640	
STEIMAN NEUROLOGY GROUP INC	600	
STEPHEN F PARISER, MD	280	
	Total	27,316
Other Consulting Services	CALFEE HALTER AND GRISWOLD LLP	6,125
	FIFTH THIRD BANK	7,224
	FUSION TECHNOLOGIES-EAST LLC	9,890
	SAPERSTEIN ASSOCIATES INC	25,225
	THE OHIO STATE UNIVERSITY FOUNDATION	20,000
	Total	68,464
Quotation and Analytic Service	BLOOMBERG FINANCE LP	538,163
	LONDON STOCK EXCHANGE	31,726
	NYSE MARKET INC	2,552

STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses
For the Month Ended February 28, 2019

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	OPTIONS PRICE REPORTING AUTHORITY LLC	472
	TSX INC	432
	Total	573,345
Real Estate Contract Services	TIMOTHY HEISE	5,000
	Total	5,000
Recruitment Fees	AMERICAN EXPRESS COMPANY	778
	CFA SOCIETY OF COLUMBUS	200
	CRAIN COMMUNICATIONS INC	1,908
	DRURY INN & SUITES	119
	FIFTH THIRD BANK-CORP CARD	876
	JULIANNE KWON	102
	YOURMEMBERSHIP.COM INC	476
	Total	4,459
Temporary Employment Services	OFFICE TEAM	1,674
	Total	1,674
	Total Professional and Technical Services	998,461
Repairs and Maintenance		
Building Maintenance and Equipment	AMBIUS LLC 05	1,573
	AMERICAN ELECTRIC MOTOR SERVICE INC	229
	COMMERCIAL PARTS & SERVICES OF OHIO INC	409
	CONSOLIDATED ELECT DIST	105
	CULLIGAN OF COLUMBUS	1,750
	FIBERCARE	4,390
	FIFTH THIRD BANK-CORP CARD	782
	FIREPROOF RECORDS CENTER	113
	GLOBE WINDOW CLEANING INC	3,163
	GRAINGER INC	925
	GREGORY J RUESS	58
	I SUPPLY COMPANY	4,699
	INDUSTRIAL SALES CO. INC.	1,687
	JOHNSON CONTROLS INC	3,727
	LOMBARDI WATER MANAGEMENT INC	1,113
	MCMASTER-CARR SUPPLY COMPANY	173
	MEMBRANES UNLIMITED	1,249
	MOTION INDUSTRIES INC	33
	NOFZIGER DOOR SALES OF COLUMBUS	120
	OHIO CAT	1,011
	PEPCO	35
	PIPE-VALVES INC	8
	SCOTSMAN MID-OHIO	296
	SPEER MECHANICAL	2,109
	TERMINIX	399
	VERTIV CORPORATION	480
	WESCO DISTRIBUTION, INC.	643
	WESTWATER SUPPLY CO	1,097
	WORLY PLUMBING SUPPLY INC	25
	Total	32,401
Copiers	BLUE TECHNOLOGIES COLUMBUS INC	13
	CANON FINANCIAL SERVICES INC	3,804
	GORDON FLESCH CO INC	5,911
	MODERN OFFICE METHODS INC	580
	MT BUSINESS TECHNOLOGIES INC	216
	Total	10,524
Data Processing Equipment	ACL SERVICES LTD	5,000
	ARROW GLOBAL ASSET DISPOSITION INC	418
	ATALASOFT INC	3,888
	BA INSIGHT INC	13,553
	BLOOMBERG FINANCE LP	6,910
	CA INC	55,091
	CHAMPION SOLUTIONS GROUP INC	45,390
	FIFTH THIRD BANK-CORP CARD	346
	INCONTACT INC	15,120
	IOVATION INC	5,328

STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses
For the Month Ended February 28, 2019

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	IPSWITCH INC	420
	MNJ TECHNOLOGIES DIRECT INC	141
	TRICENTIS USA CORP	41,535
	XEROX CORPORATION	4,264
	Total	197,404
Property Tax and Leases	HOLLINGSWORTH CAPITAL PARTNERS COLS LLC	9,056
	Total	9,056
Safety & Security Equipment	ATLAS INDUSTRIAL CONTRACTORS LTD	1,170
	CAMTRONICS COMMUNICATION COMPANY	1,620
	JOHNSON CONTROLS FIRE PROTECTION LP	2,001
	SIGNATURE CONTROL SYSTEMS LLC	483
	STEWART'S SECURITY SERVICE	565
	Total	5,839
Trash Removal	MISC. RECEIPTS	(194)
	WASTE MANAGEMENT INC	2,333
	Total	2,139
	Total Repairs and Maintenance	257,363
Travel and Vehicles		
Gasoline	FIFTH THIRD BANK-CORP CARD	355
	Total	355
Staff and Board Travel	AARON DICENZO	48
	AMERICAN EXPRESS COMPANY	4,517
	ANTHONY WEBB	682
	BEECHER CARLSON INSURANCE SERVICES LLC	160
	BONNIE E WILD	450
	CAROL L CORRETHERS	777
	DALE L PRICE	191
	ERIC NEWBERG	60
	EVELIO ROSARIO III	1,139
	F RUSSELL NICHOLSON III	309
	FIFTH THIRD BANK-CORP CARD	813
	GRANT EDWARDS	973
	HOPE K SHORT	46
	JANET PROEHL	1,200
	JASON A SAUER	261
	JEFFREY A RHODES	164
	JOHN A BUCH	165
	JULIA A VISKANTA	436
	KELLEY S MCCHRISTY	30
	KEN C CHEE	1,989
	KENNETH H BLANKE	932
	LANNY D WELLY	949
	LERA STURGELL	748
	MARLA E BUMP	261
	MICHAEL J NEHF	55
	MICHAEL R RILEY	478
	MICHELE HILLEARY	730
	NIK TAN	82
	ROBERT MCFEE	197
	RONALD J MCKILLIP	785
	STACEY WIDEMAN	925
	STEPHEN M REYNARD	1,226
	STEVEN J LUETTGEN	85
	VENKATA D KANTAMNENI	1,163
	WILLIAM A SHURMAN	54
	Total	23,080
Vehicle Maintenance	BYERS CHRYSLER, LLC	174
	JAMES L ZAVODNY	131
	MOO MOO CAR WASH	43
	Total	348
	Total Travel and Vehicles	23,783

STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses
For the Month Ended February 28, 2019

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Communications		
Courier Services	RAINBOW EXPRESS INC	807
	UNITED PARCEL SERVICE	430
	Total	1,237
Outsourced Distribution	BAESMAN GROUP INC	1,182
	Total	1,182
Postage	FIFTH THIRD BANK-CORP CARD	17
	LORTON DATA INC.	270
	MAIL SORT LTD	5,000
	Total	5,287
Printing	ADVANCE GRAPHICS	34
	BAESMAN GROUP INC	4,058
	CAPITOL SQUARE PRINTING	590
	THE OLD TRAIL PRINTING CO INC	827
	VERITIV OPERATING COMPANY	958
	Total	6,467
Telecommunications	AT&T	100
	TIME WARNER CABLE	253
	TREASURER STATE OF OHIO	319
	VERIZON WIRELESS	3,549
	WEST UNIFIED COMMUNICATIONS SERVICES INC	112
	WOW BUSINESS	1,781
	XO COMMUNICATIONS	19,269
	Total	25,383
	Total Communications	39,556
Utilities		
Electricity	AMERICAN ELECTRIC POWER	26,396
	CITY OF WESTERVILLE	2,484
	CONSTELLATION NEW ENERGY INC	21,974
	Total	50,854
Natural Gas	COLUMBIA GAS OF OHIO	5,287
	CONSTELLATION ENERGY SVCS - NATURAL GAS	17,960
	Total	23,247
Water	COLUMBUS CITY TREASURER	847
	Total	847
	Total Utilities	74,948
Supplies and Materials		
Equipment Supplies	ACCO BRANDS USA LLC	664
	APPLE COMPUTER, INC.	1,611
	B & H PHOTO VIDEO	147
	CDW GOVERNMENT INC	1,873
	FASTSIGNS	35
	FIFTH THIRD BANK-CORP CARD	1,986
	GORDON FOOD SERVICE	2,124
	GRAINGER INC	37
	I SUPPLY COMPANY	467
	IT SAVVY	4,039
	JESSICA WALKER	22
	KROGER-COLUMBUS CUSTOMER CHARGES	3
	LOMBARDI WATER MANAGEMENT INC	162
	LOWES BUSINESS ACCOUNT	99
	MISC. RECEIPTS	(896)
	MNJ TECHNOLOGIES DIRECT INC	108
	PM PROFESSIONAL SERVICES	622
	PURE ENVIRONMENTAL PRODUCTS	975
	RR DONNELLEY AND SONS COMPANY	59
	SAM'S CLUB	247
	THE MILLCRAFT PAPER COMPANY	873
	VERITIV OPERATING COMPANY	3,306
	Total	18,563

STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses
For the Month Ended February 28, 2019

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Food Service Supplies	AVI FOOD SYSTEMS INC	1,352
	COCA-COLA BOTTLING CO CONSOLIDATED	1,010
	FIFTH THIRD BANK-CORP CARD	78
	FIRSTCHOICE	17
	GORDON FOOD SERVICE	13,386
	KROGER-COLUMBUS CUSTOMER CHARGES	379
	MATTHEW CHRISTY	18
	MISC. RECEIPTS	(7,945)
	READY REFRESH	44
	SAM'S CLUB	377
	SCHNEIDER'S BAKERY INC	296
	STRS OHIO	(9,288)
	SUSAN R BROOKS	6
	TREASURER STATE OF OHIO	1,073
	Total	803
Office Supplies	CAPITOL OFFICE SUPPLY	235
	CHARNSTROM	111
	INDEPENDENT STATIONERS INC	204
	NEOPOST USA INC	344
	OFFICE DEPOT INC	198
	STAPLES BUSINESS ADVANTAGE	1,370
		Total
Personal Computer Software	FIFTH THIRD BANK-CORP CARD	249
	THE OHIO STATE UNIVERSITY	6,108
		Total
Publications/Subscriptions	AUTOMOTIVE NEWS	159
	BUSINESS FIRST	90
	CONSENSUS ECONOMICS INC.	595
	DIRECTV	171
	FIFTH THIRD BANK-CORP CARD	280
	HRDIRECT	78
	MATTHEW BENDER & CO INC	58
	RELX INC DBA LEXISNEXIS	339
	THE COLUMBUS DISPATCH	725
	THE ECONOMIST	709
	THE NEW YORK TIMES	3,998
USA TODAY	345	
	Total	7,547
Uniforms	CINDY M MASSIE	43
	CINTAS CORPORATION	2,146
	GALLS LLC	674
	UNIFIRST CORPORATION	734
		Total
	Total Supplies and Materials	39,329
Other Expenses		
Conferences and Seminars	CHRISTINA M JACKSON	20
	GARTNER INC.	2,650
	HUMAN RESOURCES ASSOCIATION-CENTRAL OH	50
	NATIONAL ASSOC OF STATE INVEST OFFICERS	1,800
	OHIO SOCIETY OF CPAS	25
	PUBLIC RELATIONS SOC OF AMER CNTRL OH	110
	STACEY WIDEMAN	585
	TODD JACOBSON	425
	Total	5,665
Dues and Licenses	ANNEMARIE ERKMAN	25
	ASSOC OF CERTIFIED FRAUD EXAMINERS	195
	BRIAN GRINNELL	1,305
	COLUMBUS CITY TREASURER	777
	FIFTH THIRD BANK-CORP CARD	75
	I-NET INTERACTIVE, LLC	299
	INTERNATIONAL COUNCIL OF SHOPPING CTRS	50
	MARLA E BUMP	25

STATE TEACHERS RETIREMENT SYSTEM

Detailed Operating Expenses
For the Month Ended February 28, 2019

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	NATIONAL PENSION EDUCATION ASSOCIATION	600
	PUBLIC SECTOR HEALTHCARE ROUNDTABLE	2,800
	SOCIETY FOR HUMAN RESOURCE MANAGEMENT	418
	THE REAL ESTATE BOARD OF NEW YORK, INC	1,104
	Total	7,673
Member / Employer Education Programs	ELIZABETH S SCHMITZ	2,193
	HAMPTON INN & SUITES	300
	HOLIDAY INN	5,296
	MISCELLANEOUS EXPENSE	30
	EMPLOYER WORKSHOP REVENUE	(600)
	SHARONVILLE CONVENTION CENTER	500
	SHERATON SUITES AKRON/CUYAHOGA FALLS	4,840
	THE MANDALAY	1,100
	Total	13,659
Miscellaneous	CAPITOL SQUARE REVIEW & ADVISORY BOARD	200
	COLUMBUS CITY TREASURER	1,920
	FIFTH THIRD BANK-CORP CARD	116
	FIREPROOF RECORDS CENTER	389
	INFOSTORE LLC	31
	MAPLE LEE FLOWERS	381
	TL SAVAGE INC	105
	Total	3,142
Other Board Expense	MISCELLANEOUS EXPENSE	231
	Total	231
Other Staff Expense	ANDREW J MARFURT	92
	CHRISTINA M JACKSON	90
	DONATO'S PIZZERIA LLC	93
	FRESHBOX CATERING	94
	HEATHER SHARPE	229
	JENNIFER MONTENARO	250
	MISCELLANEOUS EXPENSE	550
	STRS OHIO	(808)
	SUZAN J WALTERS	150
	Total	740
Training	CDW GOVERNMENT INC	25,200
	CLEAR SPRING BUSINESS ANALYSIS LLC	1,297
	FIFTH THIRD BANK-CORP CARD	997
	GPANSWERS.COM	1,777
	INTERNATIONAL INSTITUTE FOR LEARNING	154
	MASTERY CLOUD SERVICES	48
	MISC. RECEIPTS	(2,995)
	NEW HORIZONS CLC OF COLUMBUS LLC	5,771
	PRAGMATIC WORKS TRAINING INC	4,477
	PUPPET INC	2,400
	SKILLPATH SEMINARS	239
	Total	39,365
	Total Other Expenses	70,475
	Total Operating Expenses	7,166,833
State of Ohio Expenses	TREASURER STATE OF OHIO	145
	Total State of Ohio Expenses	145