



April Financial Reporting & Expenses

Succeeding this cover page are the STRS Ohio financial reports & expenses for the period ending April 30, 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, 2017 through April 30, 2018

	Defined Benefit Plans	Defined Contribution	Postemployment Healthcare	Totals
Additions:				
Contributions:				
Member	1,231,242,575	80,908,342		\$1,312,150,917
Employer	1,289,061,138	34,675,004		\$1,323,736,142
Transfers from Defined Contribution Plan	6,045,287	(6,045,287)		
Government reimbursements			96,445,877	96,445,877
Benefit recipient healthcare premiums			275,564,807	275,564,807
Other retirement systems	20,805,763			20,805,763
Total contributions	<u>2,547,154,763</u>	<u>109,538,059</u>	<u>372,010,684</u>	<u>3,028,703,506</u>
Net investment income (loss)	<u>5,842,436,882</u>	<u>74,563,118</u>	<u>293,000,000</u>	<u>6,210,000,000</u>
Total additions	<u>\$8,389,591,645</u>	<u>\$184,101,177</u>	<u>\$665,010,684</u>	<u>\$9,238,703,506</u>
Deductions:				
Service retirement	5,571,069,359			5,571,069,359
Disability retirement	172,880,405			172,880,405
Survivor benefits	103,943,388			103,943,388
Health care			466,665,935	466,665,935
Other	30,413,233			30,413,233
Total benefit payments	<u>5,878,306,385</u>		<u>466,665,935</u>	<u>6,344,972,320</u>
Refunds to members who have withdrawn	186,802,173	32,233,010		219,035,183
Administrative expenses	81,240,884		2,142,782	83,383,666
Total deductions	<u>\$6,146,349,442</u>	<u>\$32,233,010</u>	<u>\$468,808,717</u>	<u>\$6,647,391,169</u>
Net increase (decrease)	<u>\$2,243,242,203</u>	<u>\$151,868,167</u>	<u>\$196,201,967</u>	<u>\$2,591,312,337</u>
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>\$73,361,949,409</u>	<u>\$1,404,387,080</u>	<u>\$3,671,980,877</u>	<u>\$78,438,317,366</u>

STATE TEACHERS RETIREMENT SYSTEM

Actual Expenses vs. Budget

For the Month and Fiscal Year-to-Date Ended April 30, 2018

	April	March	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
Salaries and Wages	\$ 3,841,617	\$ 5,794,063	\$ 52,927,255	\$ 52,501,359	\$ 60,533,200	\$ 50,684,390
Fringe Benefits	1,307,832	1,502,931	14,065,748	14,245,285	16,713,300	13,982,931
Professional and Technical Services	508,319	268,661	7,487,109	7,871,706	10,759,000	8,177,140
Repairs and Maintenance	653,888	135,054	4,142,691	4,380,816	5,728,500	4,288,875
Travel and Vehicles	53,089	79,721	476,190	515,897	723,900	455,397
Communications	238,756	114,308	1,662,584	1,588,541	2,004,100	1,658,458
Utilities	55,171	190,494	750,633	773,248	1,018,000	843,395
Supplies and Materials	86,394	56,659	733,676	791,315	932,700	794,230
Other Expenses	40,779	49,480	888,413	1,024,434	1,142,900	965,787
Total Operating Expenses	\$ 6,785,845	\$ 8,191,371	\$ 83,134,299	\$ 83,692,601	\$ 99,555,600	\$ 81,850,603
Capital Budget	\$ 237,109	\$ 66,535	\$ 1,969,151	\$ 1,969,151	\$ 3,306,000	\$ 1,528,069
State of Ohio Expenses	\$ 62,137	\$ 219	\$ 249,367	\$ 249,367	\$ 364,000	\$ 229,953

Staffing Information:	April	March	February
Budgeted FTE Associates	544	544	544
Full Time Equivalent Associates	531	527	531
Open FTE Positions	4	7	6

____ Mr. Hill ____ moved, seconded by ____ Mr. Stein ____, that the report be accepted and the expenditures for the month ending April 30, 2018 in the total amount of \$7,085,091 be approved.

STATE TEACHERS RETIREMENT SYSTEM

Actual Expenses vs. Budget

For the Month and Fiscal Year-to-Date Ended April 30, 2018

	April	March	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
SALARIES AND WAGES						
Salaries and Wages	\$ 3,812,099	\$ 5,754,260	\$ 42,104,356	\$ 41,898,915	\$ 49,516,900	\$ 41,397,840
Other Compensation	2,796	1,624	17,382	28,775	33,100	31,885
Incentive Compensation	0	0	9,222,061	9,000,000	9,000,000	7,372,751
Unused Vacation and Sick Leave	9,705	23,742	1,440,801	1,440,801	1,823,000	1,755,015
Overtime	9,032	12,837	84,795	75,007	90,600	73,489
Service Awards	7,985	1,600	57,860	57,860	69,600	53,410
Total Salaries and Wages	\$ 3,841,617	\$ 5,794,063	\$ 52,927,255	\$ 52,501,359	\$ 60,533,200	\$ 50,684,390
FRINGE BENEFITS						
OPERS Employer Cost	\$ 541,218	\$ 813,111	\$ 6,803,476	\$ 6,870,841	\$ 7,919,100	\$ 6,507,950
Medical/Hospitalization Insurance	622,303	512,627	5,519,297	5,625,000	6,750,000	5,801,453
Medicare	54,573	81,644	754,610	774,134	890,700	724,122
Dental Insurance	49,783	50,100	501,347	511,119	612,000	506,059
Educational Assistance	909	7,736	103,930	115,129	125,000	89,776
Workers' Compensation	8,432	12,619	115,588	106,779	122,000	124,438
Life Insurance	19,293	19,383	179,938	167,924	201,300	167,661
Disability Insurance	7,921	7,927	73,121	68,305	81,900	68,227
Wellness	3,260	(2,341)	(5,031)	0	0	(24,722)
Unemployment Compensation	140	125	19,472	6,053	11,300	17,967
Total Fringe Benefits	\$ 1,307,832	\$ 1,502,931	\$ 14,065,748	\$ 14,245,285	\$ 16,713,300	\$ 13,982,931
PROFESSIONAL AND TECHNICAL SERVICES						
Actuary	\$ 0	\$ 46,114	\$ 163,505	\$ 202,208	\$ 272,500	\$ 380,861
Audit	29,982	48,683	236,516	162,427	299,500	115,363
Banking Expense	8,186	12,947	112,576	189,162	216,500	172,405
Board Election Processing	54,305	0	54,305	65,000	65,000	46,926
Contract Services	12,037	33,890	241,709	229,517	265,000	180,132
Custodial Banking Fees	19,301	(68,581)	1,255,268	1,394,583	2,512,500	1,950,306
Data Management and Analytics	35,545	0	102,295	134,693	176,000	86,003
Disaster Recovery	1,180	1,166	10,235	10,304	14,000	10,004
Employment Verification	768	224	4,309	3,168	4,500	3,837
Health Care Consultant	6,250	0	31,250	47,295	186,000	52,050
Insurance Consultant	26,000	0	72,500	72,058	92,500	70,500
Investigative Services	613	604	5,418	6,196	15,800	6,572
Investment Consultant	131,638	20,834	519,916	540,144	700,000	579,573
Investment Research Services	105,486	18,140	2,229,899	2,332,280	2,550,000	2,217,650
Legal Fees	1,160	12,298	296,241	226,500	370,000	225,732
Medical Examinations	33,908	27,958	311,787	352,768	455,000	256,536
Other Consulting Services	17,221	66,118	308,015	354,213	499,800	419,214
Quotation and Analytic Services	8,987	42,970	1,420,072	1,479,000	1,972,000	1,320,116
Real Estate Contract Services	0	0	40,425	37,500	50,000	28,884
Recruitment Fees	14,280	3,456	35,721	16,022	22,400	25,110
Temporary Employment Services	1,472	1,840	35,147	16,667	20,000	29,366
Total Professional/Technical Services	\$ 508,319	\$ 268,661	\$ 7,487,109	\$ 7,871,706	\$ 10,759,000	\$ 8,177,140

April Expenses vs. Budget

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	April	March	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
REPAIRS AND MAINTENANCE						
Building Maintenance and Equipment	\$ 95,340	\$ 81,440	\$ 608,021	\$ 642,803	\$ 715,000	\$ 647,371
Copiers	7,925	8,205	77,615	99,378	110,000	77,919
Data Processing Equipment	534,414	15,544	3,136,176	3,279,118	4,309,000	3,169,903
Elevators	226	2,861	(5,894)	8,013	93,000	7,335
Mail Center Equipment	3,162	258	9,270	11,584	21,500	5,592
Property Tax and Leases	9,056	9,056	171,296	183,507	240,000	271,354
Safety and Security Equipment	1,714	15,214	126,645	143,450	220,000	88,270
Trash Removal	2,051	2,476	19,562	12,963	20,000	21,131
Total Repairs and Maintenance	\$ 653,888	\$ 135,054	\$ 4,142,691	\$ 4,380,816	\$ 5,728,500	\$ 4,288,875
TRAVEL AND VEHICLES						
Gasoline	\$ 635	\$ 741	\$ 5,901	\$ 9,721	\$ 12,000	\$ 6,154
Staff and Board Travel	52,296	78,041	465,013	498,199	698,900	444,116
Vehicle Maintenance	158	939	5,276	7,977	13,000	5,127
Total Travel and Vehicles	\$ 53,089	\$ 79,721	\$ 476,190	\$ 515,897	\$ 723,900	\$ 455,397
COMMUNICATIONS						
Courier Services	\$ 1,972	\$ 2,258	\$ 17,988	\$ 21,793	\$ 27,200	\$ 20,549
Outsourced Distribution	1,127	3,031	75,496	77,791	105,000	77,116
Photography / Media	0	0	0	0	5,000	0
Postage	201,601	51,948	1,089,780	941,667	1,130,000	1,070,579
Printing	7,809	31,197	239,567	271,067	395,000	264,021
Telecommunications	26,247	25,874	239,753	276,223	341,900	226,193
Total Communications	\$ 238,756	\$ 114,308	\$ 1,662,584	\$ 1,588,541	\$ 2,004,100	\$ 1,658,458
UTILITIES						
Electricity	\$ 47,037	\$ 160,981	\$ 592,731	\$ 616,213	\$ 800,000	\$ 656,700
Natural Gas	4,449	25,020	109,666	93,153	120,000	122,844
Oil	0	0	0	0	18,000	0
Water	3,685	4,493	48,236	63,882	80,000	63,851
Total Utilities	\$ 55,171	\$ 190,494	\$ 750,633	\$ 773,248	\$ 1,018,000	\$ 843,395
SUPPLIES AND MATERIALS						
Equipment Supplies	\$ 42,323	\$ 43,053	\$ 516,445	\$ 533,312	\$ 593,800	\$ 559,557
Food Service Supplies	10,967	(2,056)	43,449	40,000	48,000	49,755
Office Supplies	4,149	2,107	39,785	49,885	65,000	37,995
Personal Computer Software	22,077	7,713	60,629	69,082	80,300	56,823
Publications/Subscriptions	4,261	2,207	41,313	67,866	109,600	51,958
Uniforms	2,617	3,635	32,055	31,170	36,000	38,142
Total Supplies and Materials	\$ 86,394	\$ 56,659	\$ 733,676	\$ 791,315	\$ 932,700	\$ 794,230

April Expenses vs. Budget
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	April	March	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	15,114	9,420	70,562	75,911	89,900	62,405
Dues and Licenses	3,761	13,816	103,279	123,947	161,500	122,209
Equipment Rental	0	0	0	0	0	0
Insurance	0	0	501,814	525,900	525,900	525,883
Member/Employer Education Programs	11,604	12,605	83,929	142,611	167,200	132,415
Miscellaneous Expense	648	1,010	13,696	18,905	25,000	15,572
Other Board Expense	386	875	2,942	19,502	22,400	3,896
Other Staff Expense	57	386	11,155	3,333	4,000	6,341
Training	9,209	11,368	101,036	114,325	144,000	97,066
Total Other Expenses	\$ 40,779	\$ 49,480	\$ 888,413	\$ 1,024,434	\$ 1,142,900	\$ 965,787
Total Operating Expenses	\$ 6,785,845	\$ 8,191,371	\$ 83,134,299	\$ 83,692,601	\$ 99,555,600	\$ 81,850,603
Capital Budget						
	April	March	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
Building Improvements	\$ 60,269	\$ 25,000	\$ 121,189	\$ 121,189	\$ 320,000	\$ 184,824
Furniture & Fixtures	0	0	0	0	0	0
Audio Visual	0	0	0	0	0	0
Information Processing	0	0	446,776	446,776	682,300	513,117
Maintenance	8,095	0	8,095	8,095	162,200	0
Miscellaneous	0	0	0	0	0	0
Office	0	0	20,356	20,356	37,500	6,375
Telecommunications	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0
Computer Software	168,745	41,535	1,372,735	1,372,735	2,104,000	823,753
Total Capital Budget	\$ 237,109	\$ 66,535	\$ 1,969,151	\$ 1,969,151	\$ 3,306,000	\$ 1,528,069
Total State of Ohio Expenses	\$ 62,137	\$ 219	\$ 249,367	\$ 249,367	\$ 364,000	\$ 229,953

April 2018 Expense Notes

General Comments

Actual fiscal year-to-date operating expenses total \$83.1 million, approximately \$550,000 lower than expected.

Salaries and Fringe Benefits

Salaries and Wages, OPERS and Medicare were back to normal levels in April with the typical two paydays per month.

Professional and Technical Services

Audit includes the annual GASB 68 and 75 audit costs. Board Election Processing includes external support to manage and conduct the Retirement Board election. Retiree health care quarterly services are included in Data Management and Analytics. Health care consultant retainer fees are included in Health Care Consultant. Quarterly insurance renewal support is included in Insurance Consultant. Investment Consultant includes quarterly investment consultant and monthly alternative investment consultant services. Investment Research Services includes quarterly fundamental research services. Other Consulting Services includes two months of external government relations services. Recruitment Fees includes relocation costs for a new associate and annual online advertising costs.

Repairs and Maintenance

Building Maintenance and Equipment includes monitor stands and computer room HVAC, UPS, and building automation system maintenance. Data Processing Equipment included STaRS quarterly maintenance, annual network switch and router hardware support, real estate valuation system renewal, and three year maintenance for the batch job scheduler.

Communications

Included in Postage are costs associated with the Retirement Board member election and the active member newsletter.

Supplies and Materials

Equipment Supplies include replacement laptop and personal computers. Personal Computer Software include data and business analytics software.

Other Expenses

Registration fees for the National Association of Public Pension Attorneys and Microsoft and SharePoint technical conferences are included in Conferences and Seminars. Onsite training costs for forty ITS associates is included in Training.

State of Ohio Expenses

The fourth quarterly payment for the Ohio Retirement Study Council was paid in April.

Capital Budget

Capital items for April include the STaRS Version 10 upgrade costs, fire suppression control panel upgrade, HVAC computer controller devices, and the final payment on the stair nose molding project.

STATE TEACHERS RETIREMENT SYSTEM OF OHIO

Detailed Operating Expenses
For the Month Ended April 30, 2018

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Salaries and Wages		
Salaries & Wages	STRS OHIO	3,832,585
		Total 3,832,585
Overtime	STRS OHIO	9,032
		Total 9,032
	Total Salaries and Wages	3,841,617
Fringe Benefits		
OPERS Employer Cost	STRS OHIO	541,218
		Total 541,218
Medical/Hospitalization Insurance	ANDREA L GARNER	200
	ANDREW VICEN	200
	BRENDA L TRITTSCHUH	400
	CAROL N CLARK	200
	CATHY C TONG	400
	DAN J ROBERTS	400
	DEVON W MAESTRI	400
	ERIN RITTER	200
	GRANT EDWARDS	200
	JAMES A PETERMAN	200
	JAMES H RITTER	400
	JAY W ALSPAUGH	400
	JEFFREY CONE	200
	JEFFREY L LIESER	400
	JENNIFER L PEERY	400
	JOHN D MORROW	400
	JULIA A VISKANTA	400
	KASEY SNIDER	200
	KATHY BOETTCHER	200
	KATHY K HOFFMANNBECK	200
	KEIRRA KARSHNER	400
	KEN C CHEE	400
	KEVIN D DEVRIES	400
	LEO M WILHELM	400
	LINDA M HORNE	400
	MARIN SOEUNG	400
	MARK MAXWELL	400
	MEDICAL CLAIMS	640,500
	MEI ZHANG	400
	MICHAEL C BOBER	400
	MISC. RECEIPTS	(23,712)
	NATHAN DRAKE	200
	NEAL J HUSTON	400
	PAUL M SNYDER	200
	REGINA K FOUST	200
	RICHARD A HARMAN	400
	RICHARD E FISCHBACH	400
	RONALD J MCKILLIP	200
	RYAN W COLLINS	400
	STACEY WIDEMAN	200
	STRS OHIO	(86,053)

STATE TEACHERS RETIREMENT SYSTEM OF OHIO

Detailed Operating Expenses
For the Month Ended April 30, 2018

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	SUSAN D YOUNG	200
	TAMLA D COLE	200
	TERENCE M HERBST	400
	THOMAS S COUNTS	400
	UNITED HEALTHCARE INSURANCE CO	76,768
	VENKATA D KANTAMNENI	400
	WILLIAM A SHURMAN	400
	YI ZHANG	200
	YING SHI	400
	Total	622,303
Medicare	STRS OHIO	54,573
	Total	54,573
Dental Insurance	DELTA DENTAL	49,940
	MISC. RECEIPTS	(157)
	Total	49,783
Educational Assistance	MISC. RECEIPTS	(2,036)
	SOUTHERN NEW HAMPSHIRE UNIVERSITY	2,880
	STRS OHIO	(100)
	WORLD AT WORK	165
	Total	909
Workers' Compensation	STRS OHIO	8,432
	Total	8,432
Life Insurance	LINCOLN NATIONAL LIFE INSURANCE COMPANY	19,293
	Total	19,293
Disability Insurance	LINCOLN NATIONAL LIFE INSURANCE COMPANY	7,921
	Total	7,921
Wellness	FITNESS SOLUTIONS LTD	230
	MARCY FREED YOGA	240
	MISC. RECEIPTS	(467)
	OHIOHEALTH/WORK HEALTH	160
	STRS OHIO	(2,600)
	THE FITNESS STORE	5,697
	Total	3,260
Unemployment Compensation	OHIO DEPT OF JOB AND FAMILY SERVICES	140
	Total	140
	Total Fringe Benefits	1,307,832
Professional and Technical Services		
Audit	CLIFTONLARSONALLEN LLP	29,982
	Total	29,982
Banking Expense	FIFTH THIRD BANK	8,186
	Total	8,186
Board Election Processing	ELECTION SERVICES CO	54,305

STATE TEACHERS RETIREMENT SYSTEM OF OHIO

Detailed Operating Expenses
For the Month Ended April 30, 2018

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
		Total 54,305
Contract Services	SOUNDCOM SYSTEMS	225
	WOMBAT SECURITY TECHNOLOGIES	11,812
		Total 12,037
Custodial Banking Fees	FIFTH THIRD BANK	19,301
		Total 19,301
Data Management and Analytics	OPTUMHEALTH	35,545
		Total 35,545
Disaster Recovery	FIFTH THIRD BANK-CORP CARD	50
	FIREPROOF RECORDS CENTER	880
	RECOVERY POINT SYSTEMS	250
		Total 1,180
Employment Verification	OHIOHEALTH/WORK HEALTH	361
	SCREENPOINTE INC	407
		Total 768
Health Care Consultants	OPTUMHEALTH	6,250
		Total 6,250
Insurance Consultant	ALPHA RISK MANAGEMENT INC	26,000
		Total 26,000
Investigative Services	LEXISNEXIS RISK SOLUTIONS	613
		Total 613
Investment Consultant	CALLAN ASSOCIATES INC	110,805
	CLIFFWATER LLC	20,833
		Total 131,638
Investment Research Services	THOMSON REUTERS(MARKETS) LLC	98,159
	WILSHIRE ASSOCIATES INC	7,327
		Total 105,486
Legal Fees	JONES DAY	54
	MUNGER TOLLES AND OLSON LLP	70
	PRYOR CASHMAN LLP	1,036
		Total 1,160
Medical Examinations	ALBERT J KOLIBASH JR MD	540
	AMERICAN ARTHRITIS & OSTEOPOROSIS CNTR	1,800
	BAILEY REHABILITATION SERVICES	1,000
	CLAIRE V WOLFE MD	1,080
	COLUMBUS CARDIOLOGY CARE	100
	DISABILITY & IMPAIRMENT EVALUATIONS, INC	7,850
	DONALD C MANN MD INC	750
	EARL N METZ MD	460
	EDWIN H SEASON MD INC	900
	JAMES N ALLEN, MD	540
	JEFFERY C HUTZLER MD	360

STATE TEACHERS RETIREMENT SYSTEM OF OHIO

Detailed Operating Expenses
For the Month Ended April 30, 2018

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	JON KRONBERG MD	500
	KIDNEY SPECIALISTS INC	250
	MARC COOPERMAN MD	820
	MARJORIE C GALLAGHER MD	1,450
	MARTIN J GOTTESMAN MD	7,083
	MEDICAL EVALUATORS LLC	525
	METROHEALTH PROFESSIONAL GROUP	623
	NEW MILLENNIUM HEALTHCARE	600
	OHIO ENT	255
	ORTHOPEDIC ONE	950
	OSU NEUROSCIENCE CENTER LLC	330
	SOUTHEAST OHIO REGIONAL ORTHOPAEDIC LLC	1,200
	STEIMAN NEUROLOGY GROUP INC	2,300
	STEPHEN F PARISER, MD	360
	SUMMIT REHAB MEDICINE INC	850
	UNIVERSITY HOSPITAL MEDICAL GROUP INC	432
	Total	33,908
Other Consulting Services	CALFEE HALTER AND GRISWOLD LLP	10,000
	FIFTH THIRD BANK	7,221
	Total	17,221
Quotation and Analytic Service	BLOOMBERG FINANCE LP	5,625
	NYSE MARKET INC	2,543
	OPTIONS PRICE REPORTING AUTHORITY LLC	409
	TSX INC	410
	Total	8,987
Recruitment Fees	FIFTH THIRD BANK-CORP CARD	438
	INDEED INC	3,000
	LATPRO INC	7,000
	MAYFLOWER TRANSIT LLC	3,842
	Total	14,280
Temporary Employment Services	OFFICE TEAM	1,472
	Total	1,472
	Total Professional and Technical Services	508,319
Repairs and Maintenance		
Building Maintenance and Equipment	AMBIUS LLC 05	1,573
	BUCK AND SONS LANDSCAPE SERVICE INC	1,170
	COMMERCIAL PARTS & SERVICES OF OHIO INC	381
	EATON CORPORATION	31,081
	FIFTH THIRD BANK-CORP CARD	755
	GLOBE WINDOW CLEANING INC	793
	GRAINGER INC	1,005
	I SUPPLY COMPANY	9,645
	JD EQUIPMENT INC.	1,106
	JOHNSON CONTROLS INC	21,238
	JOHNSTONE SUPPLY	157
	KEY BLUE PRINTS INC	1,060
	LEGACY MAINTENANCE SERVICES LLC	6,200
	LOMBARDI WATER MANAGEMENT INC	725

STATE TEACHERS RETIREMENT SYSTEM OF OHIO

Detailed Operating Expenses
For the Month Ended April 30, 2018

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	LOTH INC	7,215
	LOWES BUSINESS ACCOUNT	370
	MCKEE DOOR SALES OF COLUMBUS INC	250
	MCMASTER-CARR SUPPLY COMPANY	74
	PPG ARCHITECTURAL FINISHES INC	40
	PRAXAIR DISTRIBUTION INC	84
	SCOTSMAN MID-OHIO	227
	SPEER MECHANICAL	3,680
	TERMINIX	390
	THOMAS DOOR CONTROLS INC	1,168
	TRANE US INC	1,000
	WASSERSTROM	1,258
	WESCO DISTRIBUTION, INC.	1,304
	WESTWATER SUPPLY CO	1,104
	WORLY PLUMBING SUPPLY INC	287
	Total	95,340
Copiers	CANON FINANCIAL SERVICES INC	3,804
	GORDON FLESCH CO INC	4,121
	Total	7,925
Data Processing Equipment	ARGUS SOFTWARE	12,675
	BLOOMBERG FINANCE LP	17,723
	CDW GOVERNMENT INC	161,200
	FIFTH THIRD BANK-CORP CARD	685
	HARMAN CONNECTED SERVICES INC	9,498
	IOVATION INC	12,158
	MNJ TECHNOLOGIES DIRECT INC	34,766
	MRI SOFTWARE LLC	54,122
	SERVICE EXPRESS INC	1,021
	SHI CORP	1,300
	SNAP SURVEYS NH INC	4,796
	SOLIMAR SYSTEMS, INC	486
	SPECTRUM CORPORATION	3,355
	THE MATHWORKS INC	1,755
	THE SANTA FE GROUP INC	2,000
	VITECH SYSTEMS GROUP INC	213,617
	XEROX CORPORATION	3,257
	Total	534,414
Elevators	TREASURER STATE OF OHIO	226
	Total	226
Mail Center Equipment	LUDLOW SALES & SERVICE	158
	NEOPOST USA INC	344
	OPEX CORPORATION	1,795
	POSTAL PRODUCTS UNLIMITED INC	815
	RANDY'S REPAIR AND MAINTENANCE	50
	Total	3,162
Property Tax and Leases	HOLLINGSWORTH CAPITAL PARTNERS COLS LLC	9,056
	Total	9,056
Safety & Security Equipment	ABCO FIRE PROTECTION INC	194

STATE TEACHERS RETIREMENT SYSTEM OF OHIO

Detailed Operating Expenses
For the Month Ended April 30, 2018

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	ELECTRONIC SECURITY SERVICES INC	85
	MOORE MEDICAL LLC	346
	SPEER MECHANICAL	1,089
	Total	1,714
Trash Removal	MISC. RECEIPTS	(119)
	REPUBLIC SERVICES #046	167
	WASTE MANAGEMENT INC	2,003
	Total	2,051
	Total Repairs and Maintenance	653,888
Travel and Vehicles		
Gasoline	FIFTH THIRD BANK-CORP CARD	635
	Total	635
Staff and Board Travel	ALAN J WARNER	734
	AMERICAN EXPRESS COMPANY	21,957
	ARES MANAGEMENT LLC	(826)
	BONNIE E WILD	434
	BTG PACTUAL US CAPITAL	392
	CAROL L CORRETHEERS	177
	DALE L PRICE	227
	DANIEL P GRIFFIN	622
	DEBRA L HULAND	111
	DRURY INN & SUITES	920
	ERIC NEWBERG	144
	EVELIO ROSARIO III	1,358
	F RUSSELL NICHOLSON III	698
	FIFTH THIRD BANK-CORP CARD	43
	GARRETT WOFFORD	1,780
	GARY FOUST	54
	GRANT EDWARDS	1,437
	GREGORY J RUESS	911
	HOPE K SHORT	25
	IRENE T BLACK	438
	JANET PROEHL	1,080
	JASON W BAKER	16
	JOHN A BUCH	419
	JULIA A VISKANTA	551
	KEITH O HANSON	804
	KEN C CHEE	991
	KENNETH H BLANKE	1,394
	LANNY D WELLY	630
	MARCY H YEAMANS	1,175
	MARK A REED	46
	MARK A RUBECK	729
	MARK HILL	50
	MARK REGENBOGEN	1,391
	MELISSA BOYD	1,277
	MICHAEL J NEHF	85
	MICHELE HILLEARY	576
	NARASIMHA R VADREVVU	683
	NICOLE M HOKE	1,067

STATE TEACHERS RETIREMENT SYSTEM OF OHIO

Detailed Operating Expenses
For the Month Ended April 30, 2018

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	PROPARK COLUMBUS	45
	RAJ K MENON	4,027
	STANTON WEST	1,094
	STEPHEN M REYNARD	926
	STEVEN J LUETTGEN	200
	SUE E WARD	798
	TAMLA D COLE	233
	TRANS NATIONAL RESEARCH CORPORATION	373
	Total	52,296
Vehicle Maintenance	MOO MOO CAR WASH	77
	TEAM LUBRICATION INC	81
	Total	158
	Total Travel and Vehicles	53,089
Communications		
Courier Services	RAINBOW EXPRESS INC	669
	UNITED PARCEL SERVICE	1,303
	Total	1,972
Outsourced Distribution	BAESMAN GROUP INC	1,127
	Total	1,127
Postage	ELECTION SERVICES CO	145,462
	FIFTH THIRD BANK-CORP CARD	15
	LORTON DATA INC.	256
	MAIL SORT LTD	5,000
	RESERVE ACCOUNT	50,000
	STATE MAIL SERVICE-PRESORT	868
	Total	201,601
Printing	ADVANCE GRAPHICS	17
	BAESMAN GROUP INC	3,940
	GOVERNMENT FORMS AND SUPPLIES	630
	VERITIV OPERATING COMPANY	3,222
	Total	7,809
Telecommunications	AT&T	142
	COREY GEOG	101
	EDWARD E SHANAHORN	12
	FRONTIER	87
	JOSHUA JOHNSTON	195
	ROBERT KOCI	71
	TIME WARNER CABLE	344
	VERIZON WIRELESS	3,637
	WEST UNIFIED COMMUNICATIONS SERVICES INC	139
	WOW BUSINESS	1,779
	XO COMMUNICATIONS	19,740
	Total	26,247
	Total Communications	238,756
Utilities		

STATE TEACHERS RETIREMENT SYSTEM OF OHIO

Detailed Operating Expenses
For the Month Ended April 30, 2018

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Electricity	AMERICAN ELECTRIC POWER	28,978
	CITY OF WESTERVILLE	2,278
	CONSTELLATION NEW ENERGY INC	15,781
	Total	47,037
Natural Gas	COLUMBIA GAS OF OHIO	4,449
	Total	4,449
Water	COLUMBUS CITY TREASURER	3,685
	Total	3,685
	Total Utilities	55,171
Supplies and Materials		
Equipment Supplies	AVI FOOD SYSTEMS INC	20
	BUY101.COM	1,602
	CDW GOVERNMENT INC	(7,281)
	CINTAS CORPORATION	68
	DISCOUNT SCHOOL SUPPLY	715
	ENDICOTT MICROFILM INC	5,750
	FASTSIGNS	35
	FIFTH THIRD BANK-CORP CARD	1,821
	GORDON FOOD SERVICE	2,756
	GRAYBAR	871
	IT SAVVY	4,229
	KINZUA ENVIRONMENTAL INC	454
	MAINLINE COMPUTER PRODUCTS	1,154
	MNJ TECHNOLOGIES DIRECT INC	24,908
	OFFICE DEPOT INC	119
	PM PROFESSIONAL SERVICES	1,503
	SAM'S CLUB	348
	VERITIV OPERATING COMPANY	3,251
	Total	42,323
Food Service Supplies	AVI FOOD SYSTEMS INC	1,964
	COCA-COLA BOTTLING CO CONSOLIDATED	915
	FIFTH THIRD BANK-CORP CARD	91
	FIRSTCHOICE	129
	GOLD MEDAL - COLUMBUS INC	106
	GORDON FOOD SERVICE	23,181
	KROGER-COLUMBUS CUSTOMER CHARGES	282
	MISC. RECEIPTS	(8,056)
	READY REFRESH	63
	SAM'S CLUB	325
	SCHNEIDER'S BAKERY INC	296
	STRS OHIO	(9,824)
	TREASURER STATE OF OHIO	1,495
Total	10,967	
Office Supplies	CAPITOL OFFICE SUPPLY	327
	CENTRAL OHIO COPIER SUPPLY	2,280
	INDEPENDENT STATIONERS INC	626
	OFFICE DEPOT INC	80
	STAPLES BUSINESS ADVANTAGE	836

STATE TEACHERS RETIREMENT SYSTEM OF OHIO

Detailed Operating Expenses
For the Month Ended April 30, 2018

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
		Total 4,149
Personal Computer Software	CDW GOVERNMENT INC	4,672
	DELL MARKETING LP	2,474
	NEWROCKET INC	2,000
	SOLIMAR SYSTEMS, INC	3,180
	THE MATHWORKS INC	9,751
		Total 22,077
Publications/Subscriptions	DIRECTV	193
	FIFTH THIRD BANK-CORP CARD	306
	GOVERNMENTAL ACCT STANDARDS BOARD	860
	MATTHEW BENDER & CO INC	1,797
	RELX INC DBA LEXISNEXIS	326
	THE COLUMBUS DISPATCH	328
	WOLTERS KLUWER LEGAL & REGULATORY US	451
		Total 4,261
Uniforms	CINTAS CORPORATION	1,845
	ECONOMY	169
	UNIFIRST CORPORATION	603
		Total 2,617
	Total Supplies and Materials	86,394
Other Expenses		
Conferences and Seminars	ARMA GREATER COLUMBUS OHIO CHAPTER	25
	ASSN OF PUBLIC PENSION FUND AUDITORS	800
	CENTRAL OHIO AGILE ALLIANCE	700
	FIFTH THIRD BANK-CORP CARD	260
	HUMAN RESOURCES ASSOCIATION	300
	JASON A SAUER	640
	KATHY BOETTCHER	178
	MICROSOFT CORPORATION	7,185
	NATL ASSOC OF PUBLIC PENSION ATTORNEYS	2,685
	OHIO SOCIETY OF CPAS	25
	RICHARD A HARMAN	22
	STANTON WEST	100
	TECH CONFERENCES LLC	2,041
	THOMAS S COUNTS	153
		Total 15,114
Dues and Licenses	ASSOC OF CERTIFIED FRAUD EXAMINERS	195
	BOMI INTERNATIONAL	75
	DAVID S TACKETT	340
	FIFTH THIRD BANK-CORP CARD	150
	INTL RETIREMENT RESOURCE CENTER, LLC	1,194
	JASON A SAUER	100
	KAYLEY BARNO	60
	OHIO SOCIETY OF CPAS	340
	OHIOHEALTH/WORK HEALTH	100
	PROJECT MANAGEMENT INSTITUTE	328
	PUBLIC RELATIONS SOCIETY OF AMERICA	320
	THOMAS SWOGGER	118

STATE TEACHERS RETIREMENT SYSTEM OF OHIO

Detailed Operating Expenses
For the Month Ended April 30, 2018

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	URBAN LAND INSTITUTE	441
	Total	3,761
Member Education Programs	EMPLOYER WORKSHOP REVENUE	30
	EMBASSY SUITES	6,396
	FIFTH THIRD BANK-CORP CARD	100
	HAMPTON INN & SUITES	450
	HOLIDAY INN	3,800
	MISCELLANEOUS EXPENSE	12
	PRESTIGE AV & CREATIVE SERVICES	96
	THE OHIO UNIVERSITY INN	720
	Total	11,604
Miscellaneous	CAPITOL SQUARE REVIEW & ADVISORY BOARD	200
	FIFTH THIRD BANK-CORP CARD	57
	FIREPROOF RECORDS CENTER	487
	INFOSTORE LLC	31
	MAPLE LEE FLOWERS	422
	MISC. RECEIPTS	(556)
	OHIO SECRETARY OF STATE'S OFFICE	7
	Total	648
Other Board Expense	DONATO'S PIZZERIA LLC	92
	FIFTH THIRD BANK-CORP CARD	10
	MISCELLANEOUS EXPENSE	284
	Total	386
Other Staff Expense	DONATO'S PIZZERIA LLC	148
	FIFTH THIRD BANK-CORP CARD	45
	GREGORY J RUESS	50
	JENNIFER MONTENARO	71
	MISCELLANEOUS EXPENSE	320
	STRS OHIO	(812)
	SUZAN J WALTERS	150
	TAMLA D COLE	39
	WALLACE J ROBINSON	46
	Total	57
Training	BABBAGE SIMMEL & ASSOC INC	1,795
	EMMETT WEIR	314
	MEMSQL INC	1,300
	THE OHIO STATE UNIVERSITY	5,800
	Total	9,209
	Total Other Expenses	40,779
	Total Operating Expenses	6,785,845
State of Ohio Expenses	OHIO RETIREMENT STUDY COUNCIL	61,890
	TREASURER STATE OF OHIO	246
	Total State of Ohio Expenses	62,137