



## April Financial Reporting & Expenses

Succeeding this cover page are the STRS Ohio financial reports & expenses for the period ending April 28, 2023. 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's 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](mailto:ContactUs@strsoh.org).

**State Teachers Retirement System of Ohio**  
 Statement of Changes in Net Position  
 For the Period July 1, 2022 through April 30, 2023

	Defined Benefit Plans	Defined Contribution	Postemployment Healthcare	Totals
<b>Additions:</b>				
<b>Contributions:</b>				
Member	1,434,020,193	123,842,369		\$1,557,862,562
Employer	1,528,711,962	48,160,921		\$1,576,872,883
Transfers from Defined Contribution Plan	(354,142)	354,142		
Government reimbursements			86,803,214	86,803,214
Benefit recipient healthcare premiums			91,195,164	91,195,164
Other retirement systems	47,552,499			47,552,499
Total contributions	<u>3,009,930,512</u>	<u>172,357,432</u>	<u>177,998,378</u>	<u>3,360,286,322</u>
<b>Net investment income (loss)</b>	<b><u>4,889,589,204</u></b>	<b><u>183,410,797</u></b>	<b><u>277,000,000</u></b>	<b><u>5,350,000,000</u></b>
<b>Total additions</b>	<b><u>\$7,899,519,715</u></b>	<b><u>\$355,768,229</u></b>	<b><u>\$454,998,378</u></b>	<b><u>\$8,710,286,322</u></b>
<b>Deductions:</b>				
Service retirement	5,739,970,166			5,739,970,166
Disability retirement	147,095,304			147,095,304
Survivor benefits	104,829,756			104,829,756
Health care			314,531,613	314,531,613
Other	30,205,525			30,205,525
Total benefit payments	<u>6,022,100,751</u>		<u>314,531,613</u>	<u>6,336,632,363</u>
Refunds to members who have withdrawn	219,704,650	65,402,773		285,107,423
Administrative expenses	88,863,364		2,008,511	90,871,875
<b>Total deductions</b>	<b><u>\$6,330,668,765</u></b>	<b><u>\$65,402,773</u></b>	<b><u>\$316,540,124</u></b>	<b><u>\$6,712,611,662</u></b>
<b>Net increase (decrease)</b>	<b><u>\$1,568,850,951</u></b>	<b><u>\$290,365,456</u></b>	<b><u>\$138,458,254</u></b>	<b><u>\$1,997,674,661</u></b>
<b>Net position held in trust for pension and postemployment healthcare benefits</b>				
<b>Beginning of year</b>	<b><u>80,860,433,329</u></b>	<b><u>2,173,765,435</u></b>	<b><u>4,570,039,934</u></b>	<b><u>87,604,238,698</u></b>
<b>End of period</b>	<b><u>\$82,429,284,280</u></b>	<b><u>\$2,464,130,891</u></b>	<b><u>\$4,708,498,188</u></b>	<b><u>\$89,601,913,359</u></b>

**STATE TEACHERS RETIREMENT SYSTEM**  
 Actual Expenses vs. Budget  
 For the Month and Fiscal Year-to-Date Ended April 30, 2023

	April	March	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
Compensation	\$ 4,118,299	\$ 4,040,756	\$ 57,206,933	56,977,160	\$ 67,379,300	\$ 54,365,000
Fringe Benefits	1,286,337	1,191,889	15,576,166	15,620,613	19,153,200	14,864,694
Professional and Technical Services	843,703	536,404	8,634,531	9,767,571	12,603,200	9,097,448
Repairs and Maintenance	598,181	420,839	4,718,471	5,388,354	6,926,500	4,882,297
Travel and Vehicles	28,224	50,951	253,509	421,279	580,500	102,127
Communications	49,017	90,176	1,231,833	1,279,894	1,901,100	1,270,890
Utilities	64,619	75,322	907,854	852,263	1,035,000	750,221
Supplies and Materials	67,548	67,499	759,170	729,981	916,500	673,873
Other Expenses	18,454	17,476	1,184,376	1,425,412	1,541,400	1,050,226
State of Ohio Expenses	80,758	155	399,032	455,000	473,000	959,049
<b>Total Operating Expenses</b>	<b>\$ 7,155,140</b>	<b>\$ 6,491,467</b>	<b>\$ 90,871,875</b>	<b>92,917,528</b>	<b>\$ 112,509,700</b>	<b>\$ 88,015,825</b>
Capital Budget	\$ 171,227	\$ 379,285	\$ 2,243,241	2,243,241	\$ 7,851,500	\$ 2,822,148
Capital Budget Carryover:	\$ 171,742	\$ 169,426	\$ 2,185,601	2,185,601	\$ 3,702,800	\$ 1,109,055

State of Ohio expenses were included in total operating expenses to conform with the fiscal 2023 budget.

Staffing Information:	April	March	February
Budgeted FTE Associates	521	521	521
Full Time Equivalent Associates	485	485	482
Open FTE Positions	11	15	18

Ms. Correthers moved, seconded by Mr. Lard, that the report be accepted and the expenditures for the month ending April 30, 2023 in the total amount of \$7,498,109 be approved.

**STATE TEACHERS RETIREMENT SYSTEM**  
 Actual Expenses vs. Budget  
 For the Month and Fiscal Year-to-Date Ended April 30, 2023

	April	March	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
<b>COMPENSATION</b>						
Salary and Wages	\$ 4,045,125	\$ 4,034,946	\$ 44,628,954	\$ 45,561,022	\$ 55,915,800	\$ 44,160,469
Other Compensation	1,535	484	15,392	18,492	22,000	16,217
Incentive Compensation	0	0	9,655,708	8,500,000	8,500,000	6,689,501
Unused Vacation and Sick Leave	64,304	0	2,783,345	2,783,345	2,815,700	3,374,067
Overtime	2,810	5,326	80,034	70,800	70,800	67,496
Service Awards	4,525	0	43,500	43,500	55,000	57,250
Total Compensation	\$ 4,118,299	\$ 4,040,756	\$ 57,206,933	\$ 56,977,160	\$ 67,379,300	\$ 54,365,000
<b>FRINGE BENEFITS</b>						
OPERS Employer Cost	\$ 574,500	\$ 573,184	\$ 7,263,664	\$ 7,265,599	\$ 9,109,700	\$ 6,945,280
Medical/Hospitalization Insurance	566,660	470,629	6,563,057	6,583,333	7,900,000	6,204,832
Medicare	58,548	57,339	815,642	806,830	990,200	774,159
Dental Insurance	44,226	43,573	437,592	460,000	552,000	453,824
Educational Assistance	1,068	6,120	53,054	84,343	85,000	44,656
Workers' Compensation	10,821	10,517	140,694	117,333	144,000	131,893
Life Insurance	23,672	23,678	233,751	220,242	265,000	225,345
Disability Insurance	8,454	8,466	84,375	82,933	99,300	84,673
Wellness	(1,612)	(1,617)	(15,663)	0	0	32
Unemployment Compensation	0	0	0	0	8,000	0
Total Fringe Benefits	\$ 1,286,337	\$ 1,191,889	\$ 15,576,166	\$ 15,620,613	\$ 19,153,200	\$ 14,864,694
<b>PROFESSIONAL AND TECHNICAL SERVICES</b>						
Actuary	\$ 26,897	\$ 66,365	\$ 319,225	\$ 282,000	\$ 282,000	\$ 351,482
Audit	765	44,290	162,208	166,300	166,300	151,962
Banking Expense	0	0	27,592	172,500	230,000	186,519
Board Election Processing	0	0	0	0	72,000	89,392
Contract Services	2,326	1,240	275,530	263,750	316,500	313,299
Custodial Banking Fees	356,332	0	1,172,084	1,875,000	2,500,000	1,771,973
Data Management and Analytics	29,500	0	84,893	98,333	118,000	29,500
Disaster Recovery	10,450	10,877	116,095	217,583	301,100	92,617
Employment Verification	462	909	7,397	7,608	8,500	7,950
Health Care Consultant	0	23,063	52,526	206,750	248,100	64,242
Insurance Consultant	16,500	0	64,500	63,851	94,500	62,500
Investigative Services	1,505	1,554	12,533	12,353	52,700	12,480
Investment Consultant	154,870	20,833	589,609	610,438	785,000	556,205
Investment Research Services	23,246	154,369	2,771,345	2,645,833	3,175,000	2,674,554
Legal Fees	131,331	133,617	326,988	285,000	285,000	143,273
Medical Examinations	26,259	17,286	237,207	251,425	319,000	222,931
Other Consulting Services	382	21,470	348,056	337,410	611,800	340,774
Quotation and Analytic Services	51,053	39,594	1,916,768	2,104,794	2,775,000	1,961,975
Real Estate Contract Services	10,000	0	49,985	49,985	57,000	32,000
Recruitment Fees	1,825	937	99,990	99,990	185,700	31,820
Temporary Employment Services	0	0	0	16,667	20,000	0
Total Professional/Technical Services	\$ 843,703	\$ 536,404	\$ 8,634,531	\$ 9,767,571	\$ 12,603,200	\$ 9,097,448

April Expenses vs. Budget  
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	April	March	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
<b>REPAIRS AND MAINTENANCE</b>						
Building Maintenance and Equipment	\$ 67,959	\$ 29,762	\$ 295,578	\$ 670,833	\$ 805,000	\$ 672,846
Copiers	814	539	23,212	46,240	82,000	52,671
Data Processing Equipment	508,467	372,267	4,019,749	4,291,667	5,419,500	3,779,519
Elevators	594	3,820	13,896	9,572	110,000	6,443
Mail Center Equipment	5,708	1,960	17,917	24,988	30,000	17,918
Property Tax and Leases	9,056	9,056	171,518	174,221	275,000	171,866
Safety and Security Equipment	2,666	984	144,628	141,667	170,000	155,730
Trash Removal	2,917	2,451	31,973	29,167	35,000	25,304
Total Repairs and Maintenance	\$ 598,181	\$ 420,839	\$ 4,718,471	\$ 5,388,354	\$ 6,926,500	\$ 4,882,297
<b>TRAVEL AND VEHICLES</b>						
Gasoline	\$ 633	\$ 329	\$ 4,504	\$ 3,800	\$ 3,800	\$ 2,089
Staff and Board Travel	27,591	49,303	243,691	412,479	571,700	96,775
Vehicle Maintenance	0	1,319	5,314	5,000	5,000	3,263
Total Travel and Vehicles	\$ 28,224	\$ 50,951	\$ 253,509	\$ 421,279	\$ 580,500	\$ 102,127
<b>COMMUNICATIONS</b>						
Courier Services	\$ 1,362	\$ 1,471	\$ 15,705	\$ 25,000	\$ 30,000	\$ 23,249
Outsourced Distribution	0	4,401	48,518	50,000	100,000	32,733
Photography / Media	0	2,568	2,880	0	5,000	0
Postage	3,282	45,064	591,985	591,985	965,100	724,926
Printing	4,655	0	217,761	263,200	361,000	156,385
Telecommunications	39,718	36,672	354,984	349,709	440,000	333,597
Total Communications	\$ 49,017	\$ 90,176	\$ 1,231,833	\$ 1,279,894	\$ 1,901,100	\$ 1,270,890
<b>UTILITIES</b>						
Electricity	\$ 48,846	\$ 52,304	\$ 693,300	\$ 666,667	\$ 800,000	\$ 538,047
Natural Gas	12,528	19,444	151,645	135,000	135,000	160,228
Oil	0	0	0	0	15,000	14,407
Water	3,245	3,574	62,909	50,596	85,000	37,539
Total Utilities	\$ 64,619	\$ 75,322	\$ 907,854	\$ 852,263	\$ 1,035,000	\$ 750,221
<b>SUPPLIES AND MATERIALS</b>						
Equipment Supplies	\$ 51,147	\$ 52,025	\$ 538,414	\$ 525,333	\$ 630,400	\$ 499,584
Food Service Supplies	3,620	7,320	72,191	53,500	53,500	57,474
Office Supplies	6,389	3,382	31,086	43,124	51,500	27,509
Personal Computer Software	0	40	28,134	18,265	34,500	7,145
Publications/Subscriptions	1,079	1,710	55,641	58,169	107,600	48,807
Uniforms	5,313	3,022	33,704	31,590	39,000	33,354
Total Supplies and Materials	\$ 67,548	\$ 67,499	\$ 759,170	\$ 729,981	\$ 916,500	\$ 673,873

	April	March	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
<b>OTHER EXPENSES</b>						
Board Employer Reimbursement	\$ 0	\$ 0	\$ 0	\$ 0	\$ 3,000	\$ 0
Conferences and Seminars	5,003	6,923	34,086	85,917	103,100	28,824
Dues and Licenses	2,596	4,004	100,325	124,328	169,100	109,462
Equipment Rental	0	0	0	0	0	0
Insurance	0	0	898,635	960,000	960,000	778,436
Member/Employer Education Programs	9,235	3,564	42,015	76,417	91,700	5,558
Miscellaneous Expense	737	1,152	15,447	19,500	23,400	12,744
Other Board Expense	0	36	2,251	2,667	3,200	2,080
Other Staff Expense	(592)	226	12,106	19,250	23,100	10,625
Training	1,475	1,571	79,511	137,333	164,800	102,497
<b>Total Other Expenses</b>	<b>\$ 18,454</b>	<b>\$ 17,476</b>	<b>\$ 1,184,376</b>	<b>\$ 1,425,412</b>	<b>\$ 1,541,400</b>	<b>\$ 1,050,226</b>
<b>STATE OF OHIO EXPENSES</b>						
Ohio Auditor of State	\$ 0	\$ 0	\$ 82,847	\$ 100,000	\$ 100,000	\$ 18,870
ORSC	63,272	0	263,088	300,000	300,000	893,710
Ohio Attorney General Reimbursement	17,298	0	51,896	52,500	70,000	45,000
Treasurer Check Clearing	188	155	1,201	2,500	3,000	1,469
<b>Total State of Ohio Expenses</b>	<b>\$ 80,758</b>	<b>\$ 155</b>	<b>\$ 399,032</b>	<b>\$ 455,000</b>	<b>\$ 473,000</b>	<b>\$ 959,049</b>
<b>Total Operating Expenses</b>	<b>\$ 7,155,140</b>	<b>\$ 6,491,467</b>	<b>\$ 90,871,875</b>	<b>\$ 92,917,528</b>	<b>\$ 112,509,700</b>	<b>\$ 88,015,825</b>
<b>Capital Budget</b>						
	April	March	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
Building Improvements	\$ 0	\$ 0	\$ 113,531	\$ 113,531	\$ 431,300	\$ 917,427
Furniture & Fixtures	0	0	0	0	0	0
Audio Visual	0	0	0	0	0	0
Information Processing	36,545	84,697	1,058,678	1,058,678	4,822,200	1,459,166
Maintenance	134,682	294,588	905,015	905,015	1,887,700	83,773
Miscellaneous	0	0	0	0	0	0
Office	0	0	19,075	19,075	44,000	28,317
Telecommunications	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0
Computer Software	0	0	146,942	146,942	666,300	333,465
<b>Total Capital Budget</b>	<b>\$ 171,227</b>	<b>\$ 379,285</b>	<b>\$ 2,243,241</b>	<b>\$ 2,243,241</b>	<b>\$ 7,851,500</b>	<b>\$ 2,822,148</b>
<b>Capital Budget Carryover:</b>						
Fiscal 2022	\$ 171,742	\$ 169,426	\$ 2,185,601	\$ 2,185,601	\$ 3,702,800	\$ 0
Fiscal 2021	0	0	0	0	0	1,109,055
<b>Total Capital Budget Carryover</b>	<b>\$ 171,742</b>	<b>\$ 169,426</b>	<b>\$ 2,185,601</b>	<b>\$ 2,185,601</b>	<b>\$ 3,702,800</b>	<b>\$ 1,109,055</b>

## April 2023 Expense Notes

### General Comments

Actual fiscal year-to-date operating expenses total \$90.9 million, which is approximately \$2.0 million under the expected budget.

### Compensation and Fringe Benefits

Unused Vacation and Sick Leave includes payment to one retiring and two separated associates.

### Professional and Technical Services

Actuary includes analysis of sustainable benefit enhancement plan and pension and health care valuation services. One quarter of global custody, collateral and investment performance charges are included in Custodial Banking Fees. Retiree health care information services are included in Data Management and Analytics. Quarterly retainer fees are included in Insurance Consultant. Quarterly investment board consultant services and monthly alternative investment consultant fees are included in Investment Consultant. Legal Fees include fees paid to outside counsel. Quarterly retainer fees for two REIC members are included in Real Estate Contract Services

### Repairs and Maintenance

Building Maintenance and Equipment includes quarterly building automation system maintenance and repairs. Data Processing Equipment includes annual maintenance for STaRS database and PeopleSoft.

### Supplies and Materials

Equipment Supplies include laptops, monitors, and workstations.

### Other Expenses

Member counseling and education meeting room charges are included in Member/Employer Education Programs.

### State of Ohio Expenses

Quarterly fees were paid to the Ohio Retirement Study Council and Ohio Attorney General representation fees were paid in April.

### Capital Budget

Capital items for April include payments for audio visual equipment upgrades, replacement fire pump and the chiller rebuild.

### Capital Budget Carryover

The capital budget carryover includes payment for the replacement cloud-based investment portfolio system.

**State Teachers Retirement System of Ohio  
Detailed Operating Expenses  
For the Month Ended April 30, 2023**

<u>Account</u>	<u>Vendor</u>	<u>Amount</u>
<b>Compensation</b>		
Salaries & Wages	STRS OHIO	4,115,489
	<b>Total</b>	<b>4,115,489</b>
Overtime	STRS OHIO	2,810
	<b>Total</b>	<b>2,810</b>
	<b>Total Compensation</b>	<b>4,118,299</b>
<b>Fringe Benefits</b>		
OPERS Employer Cost	STRS OHIO	574,500
	<b>Total</b>	<b>574,500</b>
Medical/Hospitalization Insurance	AETNA BEHAVIORAL HEALTH LLC-ASSOC	672
	AETNA LIFE INSURANCE COMPANY	487,856
	AETNA-ASSOC PREM	13,979
	EXPRESS SCRIPTS IN	176,589
	HSA EMPLOYER CONTRIBUTIONS	5,588
	MISC. RECEIPTS	(17,728)
	STRS OHIO	(100,296)
	<b>Total</b>	<b>566,660</b>
Medicare	STRS OHIO	58,548
	<b>Total</b>	<b>58,548</b>
Dental Insurance	DELTA DENTAL	44,800
	MISC. RECEIPTS	(574)
	<b>Total</b>	<b>44,226</b>
Educational Assistance	TIFFANY M FULLEN	1,068
	<b>Total</b>	<b>1,068</b>
Workers' Compensation	STRS OHIO	10,821
	<b>Total</b>	<b>10,821</b>
Life Insurance	MISC. RECEIPTS	(444)
	MUTUAL OF OMAHA	24,116
	<b>Total</b>	<b>23,672</b>
Disability Insurance	MUTUAL OF OMAHA	8,454
	<b>Total</b>	<b>8,454</b>
Wellness	STRS OHIO	(1,612)
	<b>Total</b>	<b>(1,612)</b>
	<b>Total Fringe Benefits</b>	<b>1,286,337</b>



**State Teachers Retirement System of Ohio  
Detailed Operating Expenses  
For the Month Ended April 30, 2023**

<u>Account</u>	<u>Vendor</u>	<u>Amount</u>
<b>Professional and Technical Services</b>		
Actuary	CHEIRON INC	26,897
	<b>Total</b>	<b>26,897</b>
Audit	TREASURER STATE OF OHIO	765
	<b>Total</b>	<b>765</b>
Contract Services	MRI SOFTWARE LLC	1,430
	SOUNDCOM SYSTEMS	896
	<b>Total</b>	<b>2,326</b>
Custodial Banking Fees	NORTHERN TRUST	356,332
	<b>Total</b>	<b>356,332</b>
Data Management and Analytics	MERATIVE US LP	29,500
	<b>Total</b>	<b>29,500</b>
Disaster Recovery	RECOVERY POINT SYSTEMS	10,450
	<b>Total</b>	<b>10,450</b>
Employment Verification	OHIOHEALTH/WORK HEALTH SCREENPOINTE INC	113 349
	<b>Total</b>	<b>462</b>
Insurance Consultant	ALPHA RISK MANAGEMENT INC	16,500
	<b>Total</b>	<b>16,500</b>
Investigative Services	LEXISNEXIS RISK SOLUTIONS	1,505
	<b>Total</b>	<b>1,505</b>
Investment Consultant	CALLAN LLC	134,036
	CLIFFWATER LLC	20,834
	<b>Total</b>	<b>154,870</b>
Investment Research Services	DTCC ITP LLC	1,021
	FX CONNECT LLC	6,000
	LINNEMAN ASSOCIATES LLC	3,000
	TRADEWEB LLC	1,800
	VIRTU ITG PLATFORMS LLC	3,056
	WILSHIRE ADVISORS LLC	8,369
	<b>Total</b>	<b>23,246</b>
Legal Fees	CALFEE HALTER AND GRISWOLD LLP	125,433
	ISAAC WILES AND BURKHOLDER LLC	4,666

**State Teachers Retirement System of Ohio**  
**Detailed Operating Expenses**  
**For the Month Ended April 30, 2023**

<u>Account</u>	<u>Vendor</u>	<u>Amount</u>
	LITTLER MENDELSON PC	1,147
	NEWHOUSE PROPHATER KOLMAN & HOGAN LLC	70
	OHIO SECRETARY OF STATE	15
	<b>Total</b>	<b>131,331</b>
Medical Examinations	CASE CONSULTANTS OF OHIO LLC	875
	CLAIRE V WOLFE MD	570
	COPC SPORTS SPINE & JOINT	1,950
	CORTNEY A KOHBERGER	1,800
	GABRAIL CANCER CENTER	450
	INDEPENDENT EVALUATORS INC	1,000
	JAMES N ALLEN, MD	570
	JAMES R. HAWKINS, M.D.	1,200
	JEFFERY C HUTZLER MD	190
	KAREN GADE-PULIDO MD LLC	225
	KIDNEY SPECIALISTS INC	275
	MARC COOPERMAN MD	380
	MARJORIE C GALLAGHER MD	845
	MARTIN J GOTTESMAN MD	8,211
	MEDICAL EVALUATORS LLC	2,408
	NORTHWEST EYE SURGEONS INC	450
	OSU GENERAL INTERNAL MEDICINE LLC	790
	QUALITY EVALUATION INC	850
	RONALD L WHISLER MD	570
	SOUTHEAST OHIO REGIONAL ORTHOPAEDIC LLC	350
	STEIMAN NEUROLOGY GROUP INC	2,300
	<b>Total</b>	<b>26,259</b>
Other Consulting Services	FLEXIBLE BENEFIT ADMINISTRATORS INC	382
	<b>Total</b>	<b>382</b>
Quotation and Analytic Services	BLOOMBERG FINANCE LP	47,569
	ICE DATA INDICES LLC	93
	NYSE MARKET INC	2,387
	OPTIONS PRICE REPORTING AUTHORITY LLC	535
	TSX INC	469
	<b>Total</b>	<b>51,053</b>
Real Estate Contract Services	ANTHONY CIOCHETTI	5,000
	TIMOTHY HEISE	5,000
	<b>Total</b>	<b>10,000</b>
Recruitment Fees	CRAIN COMMUNICATIONS INC	1,260
	FIFTH THIRD BANK-CORP CARD	250
	YOURMEMBERSHIP.COM INC	315
	<b>Total</b>	<b>1,825</b>

**State Teachers Retirement System of Ohio  
Detailed Operating Expenses  
For the Month Ended April 30, 2023**

<u>Account</u>	<u>Vendor</u>	<u>Amount</u>
	<b>Total Professional and Technical Services</b>	<b>843,703</b>
<b>Repairs and Maintenance</b>		
Building Maintenance and Equipment	AMBIUS LLC 05	1,592
	BATTERIES PLUS LLC	153
	BUCK AND SONS LANDSCAPE SERVICE INC	1,563
	BUCKEYE POWER SALES CO INC	(70)
	CARTER LUMBER	360
	CHEM-AQUA	7,500
	EASTWAY SUPPLIES INC	1,253
	FIBERCARE	4,390
	FIFTH THIRD BANK-CORP CARD	280
	GENERAL RESTORATION CORPORATION	2,285
	GRAINGER INC	8,743
	JOHNSON CONTROLS INC	29,622
	LINDE GAS AND EQUIPMENT INC	33
	LOWES BUSINESS ACCOUNT	60
	NEWPOINT SERVICES LLC	817
	PANIC LIGHTING	79
	PM SERVICES	1,675
	QUALITY POOLS	639
	SPEER MECHANICAL	5,272
	TERMINIX	498
	VERTIV CORPORATION	520
	VRC COMPANIES LLC	321
	WESTWATER SUPPLY CO	374
	<b>Total</b>	<b>67,959</b>
Copiers	BLUE TECHNOLOGIES COLUMBUS INC	142
	IMPACT NETWORKING LLC	37
	WOODHULL LLC	635
	<b>Total</b>	<b>814</b>
Data Processing Equipment	AKAMAI TECHNOLOGIES INC	80
	BLOOMBERG FINANCE LP	1,000
	CDW GOVERNMENT INC	12,188
	DELL MARKETING LP	1,520
	DLT SOLUTIONS INC	265,842
	FIFTH THIRD BANK-CORP CARD	2,973
	GENUITEC LLC	296
	INCONTACT INC	1,056
	INFOSEC	6,374
	INTEGRATED RESEARCH, INC.	16,686
	IOVATION INC	15,041
	IRON MOUNTAIN, INC.	3,633

**State Teachers Retirement System of Ohio  
Detailed Operating Expenses  
For the Month Ended April 30, 2023**

<u>Account</u>	<u>Vendor</u>	<u>Amount</u>
	MNJ TECHNOLOGIES DIRECT INC	590
	ORACLE AMERICA INC	152,153
	SHARED ASSESSMENTS LLC	6,500
	SHI CORP	11,770
	THE MATHWORKS INC	10,765
	<b>Total</b>	<b>508,467</b>
Elevators	GABLE ELEVATOR	300
	TREASURER STATE OF OHIO	294
	<b>Total</b>	<b>594</b>
Mail Center Equipment	AGISSAR CORPORATION	4,499
	PITNEY BOWES GLOBAL FINANCIAL SVC LLC	1,209
	<b>Total</b>	<b>5,708</b>
Property Tax and Leases	HOLLINGSWORTH CAPITAL PARTNERS COLS LLC	9,056
	<b>Total</b>	<b>9,056</b>
Safety & Security Equipment	ELECTRONIC SECURITY SERVICES INC	1,922
	FIFTH THIRD BANK-CORP CARD	48
	HARD FIRE SUPPRESSION SYSTEMS	450
	MITCHELL LOCK LLC	135
	STEWART SECURITY INC	111
	<b>Total</b>	<b>2,666</b>
Trash Removal	MISC. RECEIPTS	(194)
	REPUBLIC SERVICES #046	533
	WASTE MANAGEMENT INC	2,578
	<b>Total</b>	<b>2,917</b>
	<b>Total Repairs and Maintenance</b>	<b>598,181</b>
<b>Travel and Vehicles</b>		
Gasoline	FIFTH THIRD BANK-CORP CARD	633
	<b>Total</b>	<b>633</b>
Staff and Board Travel	AARON BLACK	172
	ALISON LANZA FALLS	239
	AMERICAN EXPRESS COMPANY	8,988
	ARTHUR B. LARD	118
	CAROL L CORRETHEERS	228
	CARTER B DAVIS	159
	CHADWICK MCGEE	13
	CLAUDIA HERRINGTON	31
	CRAIG HORMANN	25
	DALE L PRICE	452

**State Teachers Retirement System of Ohio**  
**Detailed Operating Expenses**  
**For the Month Ended April 30, 2023**

<u>Account</u>	<u>Vendor</u>	<u>Amount</u>
	DRURY INN & SUITES	976
	EVELIO ROSARIO III	422
	GARRETT WOFFORD	2,306
	GRANT EDWARDS	749
	JAMES D DUPLER	12
	JAMIESON C. DUFF	2,007
	JASON A SAUER	173
	JASON T JARVIS	20
	JEFFREY A GILDER	41
	JULIE SELLERS	1,075
	KOTAK MAHINDRA INC	28
	LERA STURGELL	406
	MARY PATRICIA GORDON	115
	MICHAEL R RILEY	604
	OHIO UNIVERSITY	16
	RAJ K MENON	3,604
	RAYMOND JAMES AND ASSOCIATES	346
	ROBERTA WAXMAN-LENZ	938
	RUDY FICHTENBAUM	156
	RYAN EBERHART	2,382
	SARAH MOORE	18
	SCOTT J HUNT	275
	SEAPORT GLOBAL HOLDINGS	132
	TAMLA D COLE	136
	TODD WOLFORD	22
	VALVOLINE	13
	WILLIAM A SHURMAN	194
	<b>Total</b>	<b>27,591</b>
	<b>Total Travel and Vehicles</b>	<b>28,224</b>
<b>Communications</b>		
Courier Services	RAINBOW EXPRESS INC	810
	UNITED PARCEL SERVICE	552
	<b>Total</b>	<b>1,362</b>
Postage	LORTON DATA INC.	288
	TREASURER STATE OF OHIO	2,994
	<b>Total</b>	<b>3,282</b>
Printing	BAESMAN GROUP INC	4,304
	CAPITOL SQUARE PRINTING	351
	<b>Total</b>	<b>4,655</b>
Telecommunications	AT&T	116
	BREEZELINE	1,780

**State Teachers Retirement System of Ohio  
Detailed Operating Expenses  
For the Month Ended April 30, 2023**

<u>Account</u>	<u>Vendor</u>	<u>Amount</u>
	CHARTER COMMUNICATIONS	109
	COMMANDLINK LLC	2,126
	T-MOBILE	294
	TREASURER STATE OF OHIO	326
	VERIZON BUSINESS	32,546
	VERIZON WIRELESS	2,421
	<b>Total</b>	<b>39,718</b>
	<b>Total Communications</b>	<b>49,017</b>
<b>Utilities</b>		
Electricity	AMERICAN ELECTRIC POWER	46,952
	CITY OF WESTERVILLE	1,991
	MISC. RECEIPTS	(97)
	<b>Total</b>	<b>48,846</b>
Natural Gas	COLUMBIA GAS OF OHIO	4,032
	UNITED ENERGY TRADING, LLC	8,496
	<b>Total</b>	<b>12,528</b>
Water	COLUMBUS CITY TREASURER	3,245
	<b>Total</b>	<b>3,245</b>
	<b>Total Utilities</b>	<b>64,619</b>
<b>Supplies and Materials</b>		
Equipment Supplies	ACTION SUPPLY PRODUCTS INC	404
	APPLE COMPUTER, INC.	190
	BUCKEYE POWER SALES CO INC	78
	CARMENS DISTRIBUTION SYSTEMS INC	98
	CDW GOVERNMENT INC	5,832
	CINTAS CORPORATION	498
	FASTSIGNS	50
	FIFTH THIRD BANK-CORP CARD	4,020
	GORDON FOOD SERVICE	1,943
	I SUPPLY COMPANY	9,943
	IT SAVVY	1,111
	MISC. RECEIPTS	(284)
	MNJ TECHNOLOGIES DIRECT INC	26,647
	SPIRAL BINDING LLC	522
	VERITIV OPERATING COMPANY	95
	<b>Total</b>	<b>51,147</b>
Food Service Supplies	AMY C DALICANDRO	20
	AVI FOOD SYSTEMS INC	3,169
	AW	883

**State Teachers Retirement System of Ohio  
Detailed Operating Expenses  
For the Month Ended April 30, 2023**

<u>Account</u>	<u>Vendor</u>	<u>Amount</u>
	FIFTH THIRD BANK-CORP CARD	67
	GORDON FOOD SERVICE	10,600
	KROGER-COLUMBUS CUSTOMER CHARGES	203
	MISC. RECEIPTS	(2,067)
	ODP BUSINESS SOLUTIONS LLC	176
	STRS OHIO	(9,431)
	<b>Total</b>	<b>3,620</b>
Office Supplies	BLICK ART MATERIALS	431
	CLASSIC COMPUTER PRODUCTS	505
	EPIC BUSINESS ESSENTIALS	349
	ODP BUSINESS SOLUTIONS LLC	80
	PITNEY BOWES INC	224
	STAPLES BUSINESS ADVANTAGE	1,872
	TYGA-BOX SYSTEMS, INC.	2,928
	<b>Total</b>	<b>6,389</b>
Publications/Subscriptions	CAPITOL INFO	45
	DIRECTV	208
	FIFTH THIRD BANK-CORP CARD	158
	JAMIE LI	199
	JORDAN WINTERS	34
	THE HIGH-TECH STRATEGIST	150
	THOMSON REUTERS-WEST	285
	<b>Total</b>	<b>1,079</b>
Uniforms	CINTAS CORPORATION	4,649
	ECONOMY	127
	UNIFIRST CORPORATION	537
	<b>Total</b>	<b>5,313</b>
	<b>Total Supplies and Materials</b>	<b>67,548</b>
<b>Other Expenses</b>		
Conferences and Seminars	CENTRAL OHIO ACFE CHAPTER	175
	FIFTH THIRD BANK-CORP CARD	219
	ISACA CENTRAL OHIO CHAPTER	450
	JAMES WILSON III	2,029
	NATL ASSOC OF PUBLIC PENSION ATTORNEYS	1,980
	ROBERTA WAXMAN-LENZ	150
	<b>Total</b>	<b>5,003</b>
Dues and Licenses	JEFFREY R HARMACEK	169
	OHIO ETHICS COMMISSION	2,100
	PUBLIC RELATIONS SOCIETY OF AMERICA	327
	<b>Total</b>	<b>2,596</b>

**State Teachers Retirement System of Ohio**  
**Detailed Operating Expenses**  
**For the Month Ended April 30, 2023**

<u>Account</u>	<u>Vendor</u>	<u>Amount</u>
Member Education Programs	EMBASSY SUITES	922
	HILTON GARDEN INN	1,118
	HOLIDAY INN	2,000
	MISC. RECEIPTS	(25)
	PROMO DIRECT	5,220
	<b>Total</b>	
Miscellaneous	CAPITOL SQUARE REVIEW & ADVISORY BOARD	200
	FIFTH THIRD BANK-CORP CARD	3
	MAPLE LEE FLOWERS	162
	STRS OHIO	21
	VRC COMPANIES LLC	351
	<b>Total</b>	
Other Staff Expense	CHRISSIE L GROSSHOLZ	17
	DORI L DEJARNETTE	17
	JANET A WOODLAND	51
	KERIN B ELGIN	17
	KIMBERLY K DONALD	17
	SHARMA L THARP	50
	STRS OHIO	(761)
	<b>Total</b>	
Training	CENTRAL OHIO FORKLIFTS, INC	900
	WALLACE J ROBINSON	575
	<b>Total</b>	<b>1,475</b>
	<b>Total Other Expenses</b>	<b>18,454</b>
<b>State of Ohio Expenses</b>		
Ohio Retirement Study Comm	OHIO RETIREMENT STUDY COUNCIL	63,272
	<b>Total</b>	<b>63,272</b>
Ohio AG Reimbursement	STATE OF OHIO ATTORNEY GENERALS OFFICE	17,298
	<b>Total</b>	<b>17,298</b>
State Treas Processing Charges	TREASURER STATE OF OHIO	188
	<b>Total</b>	<b>188</b>
	<b>Total State of Ohio Expenses</b>	<b>80,758</b>
<b>Total Operating Expenses</b>		<b>7,155,140</b>