



January Financial Reporting & Expenses

Succeeding this cover page are the STRS Ohio financial reports & expenses for the period ending Jan. 31, 2020. 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, 2019 through January 31, 2020

	Defined Benefit Plans	Defined Contribution	Postemployment Healthcare	Totals
Additions:				
Contributions:				
Member	909,370,351	65,839,504		\$975,209,856
Employer	969,455,215	25,604,252		\$995,059,467
Transfers from Defined Contribution Plan	6,793,453	(6,793,453)		
Government reimbursements			57,452,907	57,452,907
Benefit recipient healthcare premiums			175,501,246	175,501,246
Other retirement systems	14,614,278			14,614,278
Total contributions	<u>1,900,233,297</u>	<u>84,650,303</u>	<u>232,954,153</u>	<u>2,217,837,753</u>
Net investment income (loss)	<u>4,725,412,345</u>	<u>112,587,655</u>	<u>245,000,000</u>	<u>5,083,000,000</u>
Total additions	\$6,625,645,642	\$197,237,959	\$477,954,153	\$7,300,837,753
Deductions:				
Service retirement	3,932,453,700			3,932,453,700
Disability retirement	114,531,024			114,531,024
Survivor benefits	72,364,082			72,364,082
Health care			319,704,218	319,704,218
Other	16,030,477			16,030,477
Total benefit payments	<u>4,135,379,283</u>		<u>319,704,218</u>	<u>4,455,083,501</u>
Refunds to members who have withdrawn	144,703,570	34,694,115		179,397,685
Administrative expenses	64,638,709		1,413,438	66,052,147
Total deductions	<u>\$4,344,721,562</u>	<u>\$34,694,115</u>	<u>\$321,117,656</u>	<u>\$4,700,533,333</u>
Net increase (decrease)	\$2,280,924,080	\$162,543,843	\$156,836,497	\$2,600,304,420
Net position held in trust for pension and postemployment healthcare benefits				
Beginning of year	<u>74,096,239,886</u>	<u>1,630,305,466</u>	<u>3,872,157,689</u>	<u>79,598,703,041</u>
End of period	<u>\$76,377,163,966</u>	<u>\$1,792,849,309</u>	<u>\$4,028,994,186</u>	<u>\$82,199,007,461</u>

STATE TEACHERS RETIREMENT SYSTEM
 Actual Expenses vs. Budget
 For the Month and Fiscal Year-to-Date Ended January 31, 2020

	January	December	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
Compensation	\$ 7,787,396	\$ 3,996,906	\$ 41,833,954	\$ 43,359,169	\$ 63,432,100	\$ 40,021,194
Fringe Benefits	1,825,458	1,265,516	10,817,668	11,385,743	18,134,800	10,207,213
Professional and Technical Services	1,663,915	636,405	6,566,398	7,064,169	11,166,500	5,458,511
Repairs and Maintenance	344,489	541,496	3,429,159	3,347,032	5,874,900	3,160,535
Travel and Vehicles	31,793	34,946	310,105	334,232	705,500	297,649
Communications	123,445	262,388	1,099,514	1,219,361	2,018,200	1,325,519
Utilities	80,785	77,696	537,354	575,683	1,018,000	601,707
Supplies and Materials	47,069	60,945	435,998	578,759	899,800	595,024
Other Expenses	33,805	51,906	852,119	874,276	1,160,700	780,409
Total Operating Expenses	\$ 11,938,155	\$ 6,928,204	\$ 65,882,269	\$ 68,738,426	\$ 104,410,500	\$ 62,447,761
Capital Budget	\$ 121,504	\$ 269,571	\$ 856,561	\$ 856,561	\$ 4,930,900	\$ 930,011
State of Ohio Expenses	\$ 56,430	\$ 402	\$ 169,878	\$ 169,878	\$ 363,500	\$ 226,905
Capital Budget Carryover: Fiscal 2019	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,855,979	\$ 0

Staffing Information:	January	December	November
Budgeted FTE Associates	535	535	535
Full Time Equivalent Associates	518	518	516
Open FTE Positions	14	18	23

Ms. Walters moved, seconded by Mr. Gruber, that the report be accepted and the expenditures for the month ending January 31, 2020 in the total amount of \$12,116,089 be approved.

STATE TEACHERS RETIREMENT SYSTEM

Actual Expenses vs. Budget

For the Month and Fiscal Year-to-Date Ended January 31, 2020

	January	December	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
COMPENSATION						
Salary and Wages	\$ 5,992,462	\$ 3,978,014	\$ 31,882,084	\$ 31,809,538	\$ 51,690,500	\$ 29,441,145
Other Compensation	2,451	1,777	19,371	15,306	23,100	15,607
Incentive Compensation	0	0	7,780,238	9,400,000	9,400,000	8,886,078
Unused Vacation and Sick Leave	1,768,385	2,643	2,035,208	2,035,208	2,088,700	1,594,051
Overtime	15,148	10,147	71,953	54,016	94,500	60,388
Service Awards	8,950	4,325	45,100	45,100	135,300	23,925
Total Compensation	\$ 7,787,396	\$ 3,996,906	\$ 41,833,954	\$ 43,359,169	\$ 63,432,100	\$ 40,021,194
FRINGE BENEFITS						
OPERS Employer Cost	\$ 990,956	\$ 486,092	\$ 5,249,091	\$ 5,602,814	\$ 8,320,600	\$ 4,930,375
Medical/Hospitalization Insurance	629,239	625,190	4,371,682	4,520,833	7,750,000	4,097,594
Medicare	110,763	56,908	597,488	574,092	932,900	570,822
Dental Insurance	48,122	48,637	339,897	332,403	566,000	346,830
Educational Assistance	3,388	20,649	54,229	85,428	110,000	78,130
Workers' Compensation	13,445	6,384	1,771	67,692	110,000	(4,926)
Life Insurance	23,226	23,283	162,875	130,917	235,000	142,037
Disability Insurance	8,248	8,339	58,673	56,563	95,300	59,232
Wellness	(1,929)	(9,966)	(18,038)	0	0	(15,897)
Unemployment Compensation	0	0	0	15,000	15,000	3,016
Total Fringe Benefits	\$ 1,825,458	\$ 1,265,516	\$ 10,817,668	\$ 11,385,743	\$ 18,134,800	\$ 10,207,213
PROFESSIONAL AND TECHNICAL SERVICES						
Actuary	\$ 28,768	\$ 0	\$ 128,090	\$ 163,295	\$ 255,000	\$ 158,986
Audit	15,000	76	75,032	111,670	207,500	105,574
Banking Expense	7,392	6,697	18,517	54,445	75,000	19,349
Board Election Processing	0	0	0	0	72,000	0
Contract Services	65,413	159,161	310,353	269,908	462,700	217,371
Custodial Banking Fees	332,988	19,148	785,834	1,135,000	2,250,000	988,432
Data Management and Analytics	29,500	0	59,000	70,000	140,000	48,375
Disaster Recovery	5,124	5,042	13,930	35,334	69,400	6,637
Employment Verification	426	1,512	5,509	2,390	5,500	4,056
Health Care Consultant	0	5,750	5,750	6,529	112,000	6,250
Insurance Consultant	15,000	0	45,000	45,000	90,000	32,000
Investigative Services	1,106	1,118	7,509	4,577	15,900	3,924
Investment Consultant	136,699	20,833	356,732	359,999	720,000	352,974
Investment Research Services	418,651	282,827	2,404,409	2,372,430	2,950,000	2,110,372
Legal Fees	3,192	34,818	114,403	166,250	285,000	(57,254)
Medical Examinations	38,326	22,848	177,157	195,025	350,000	169,846
Other Consulting Services	18,854	14,335	195,818	212,647	529,400	253,125
Quotation and Analytic Services	538,733	43,937	1,666,839	1,780,200	2,373,600	972,461
Real Estate Contract Services	0	10,000	26,184	27,500	55,000	27,794
Recruitment Fees	2,426	122	120,211	40,303	128,500	10,325
Temporary Employment Services	6,317	8,181	50,121	11,667	20,000	27,914
Total Professional/Technical Services	\$ 1,663,915	\$ 636,405	\$ 6,566,398	\$ 7,064,169	\$ 11,166,500	\$ 5,458,511

January Expenses vs. Budget
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	January	December	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
REPAIRS AND MAINTENANCE						
Building Maintenance and Equipment	\$ 53,642	\$ 77,773	\$ 429,498	\$ 382,851	\$ 720,000	\$ 379,728
Copiers	9,783	6,109	56,059	57,339	100,000	52,439
Data Processing Equipment	185,593	435,720	2,659,427	2,601,550	4,459,800	2,417,045
Elevators	0	330	4,202	4,576	90,000	3,707
Mail Center Equipment	1,812	0	11,115	9,195	21,500	8,151
Property Tax and Leases	89,883	9,056	144,220	144,163	270,100	144,062
Safety and Security Equipment	1,580	8,595	107,370	134,046	188,500	140,143
Trash Removal	2,196	3,913	17,268	13,311	25,000	15,260
Total Repairs and Maintenance	\$ 344,489	\$ 541,496	\$ 3,429,159	\$ 3,347,032	\$ 5,874,900	\$ 3,160,535
TRAVEL AND VEHICLES						
Gasoline	\$ 336	\$ 660	\$ 4,284	\$ 4,402	\$ 7,600	\$ 4,487
Staff and Board Travel	30,856	29,161	298,583	323,169	686,900	287,449
Vehicle Maintenance	601	5,125	7,238	6,661	11,000	5,713
Total Travel and Vehicles	\$ 31,793	\$ 34,946	\$ 310,105	\$ 334,232	\$ 705,500	\$ 297,649
COMMUNICATIONS						
Courier Services	\$ 2,435	\$ 1,213	\$ 11,775	\$ 13,148	\$ 25,200	\$ 11,762
Outsourced Distribution	2,390	15,478	76,738	97,776	121,000	64,393
Photography / Media	0	0	0	0	5,000	0
Postage	70,320	182,854	610,399	676,667	1,160,000	872,511
Printing	27,711	28,592	221,094	254,568	397,000	200,681
Telecommunications	20,589	34,251	179,508	177,203	310,000	176,172
Total Communications	\$ 123,445	\$ 262,388	\$ 1,099,514	\$ 1,219,361	\$ 2,018,200	\$ 1,325,519
UTILITIES						
Electricity	\$ 59,501	\$ 54,648	\$ 427,792	\$ 461,190	\$ 800,000	\$ 490,999
Natural Gas	17,304	14,954	60,600	56,855	120,000	79,233
Oil	0	0	0	0	18,000	0
Water	3,980	8,094	48,962	57,639	80,000	31,475
Total Utilities	\$ 80,785	\$ 77,696	\$ 537,354	\$ 575,683	\$ 1,018,000	\$ 601,707
SUPPLIES AND MATERIALS						
Equipment Supplies	\$ 36,862	\$ 28,914	\$ 297,313	\$ 425,091	\$ 592,700	\$ 443,205
Food Service Supplies	1,275	11,629	38,886	31,500	54,000	34,833
Office Supplies	2,333	7,243	28,942	34,023	52,000	33,915
Personal Computer Software	0	6,530	15,268	22,895	61,000	24,570
Publications/Subscriptions	2,882	3,026	32,460	44,035	100,100	37,438
Uniforms	3,717	3,603	23,129	21,215	40,000	21,063
Total Supplies and Materials	\$ 47,069	\$ 60,945	\$ 435,998	\$ 578,759	\$ 899,800	\$ 595,024

January Expenses vs. Budget
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	January	December	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	6,692	3,768	32,425	37,945	100,400	30,069
Dues and Licenses	9,695	18,267	99,645	97,754	162,600	79,871
Equipment Rental	0	0	0	0	0	0
Insurance	104	0	582,625	584,000	584,000	544,035
Member/Employer Education Programs	930	15,836	62,020	81,725	140,100	57,484
Miscellaneous Expense	2,666	2,497	13,588	6,980	21,200	8,037
Other Board Expense	198	340	1,743	1,753	3,800	1,766
Other Staff Expense	142	5,893	12,629	13,358	22,900	9,112
Training	13,378	5,305	47,444	50,760	122,700	50,035
Total Other Expenses	\$ 33,805	\$ 51,906	\$ 852,119	\$ 874,276	\$ 1,160,700	\$ 780,409
Total Operating Expenses	\$ 11,938,155	\$ 6,928,204	\$ 65,882,269	\$ 68,738,426	\$ 104,410,500	\$ 62,447,761
	January	December	Year-to-Date	Expected Budget-to-Date	Annual Budget	Prior Year-to-Date
Building Improvements	\$ 15,492	\$ 28,165	\$ 55,978	\$ 55,978	\$ 3,226,500	\$ 181,950
Furniture & Fixtures	0	0	0	0	0	0
Audio Visual	0	0	0	0	0	0
Information Processing	17,622	118,518	386,320	386,320	744,000	258,120
Maintenance	11,300	23,271	144,629	144,629	327,400	67,679
Miscellaneous	0	0	0	0	0	0
Office	0	0	0	0	45,500	15,533
Telecommunications	0	0	0	0	0	0
Vehicles	0	20,932	20,932	20,932	28,500	0
Computer Software	77,090	78,685	248,702	248,702	559,000	406,729
Total Capital Budget	\$ 121,504	\$ 269,571	\$ 856,561	\$ 856,561	\$ 4,930,900	\$ 930,011
Total State of Ohio Expenses	\$ 56,430	\$ 402	\$ 169,878	\$ 169,878	\$ 363,500	\$ 226,905
Capital Budget Carryover:						
Fiscal 2019	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,855,979	\$ 0

January 2020 Expense Notes

General Comments

Actual fiscal year-to-date operating expenses total \$65.9 million, approximately \$2.9 million lower than expected. Incentive Compensation is lower than the budgeted amount by approximately \$1.6 million.

Salaries and Fringe Benefits

Salaries and Wages and associated fringe benefits were higher in January due to three paydays versus the typical two paydays per month. Unused Vacation and Sick Leave costs and associated fringe benefits include the annual vacation and sick leave payments for associates.

Professional and Technical Services

Monthly pension and health care valuation fees and health care scorecard analysis are included in Actuary. Audit includes the annual GASB 68 and 75 audits. Contract Services includes investment accounting system consulting services. One quarter of global custody, collateral and 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. Investment Research Services includes quarterly trade management system fees, private market and fundamental research services, and annual fees for credit analysis. Medical Examinations includes two months of the medical review board chair services. Other Consulting Services includes the first payment of investment performance verification services. Quotation and Analytic Services include quarterly Bloomberg charges.

Repairs and Maintenance

Building Maintenance and Equipment includes building automation system and computer room HVAC maintenance. Data Processing Equipment includes Maximis development tool and real estate portfolio and property management system maintenance. Property Tax and Leases includes half-year real estate taxes.

Communications

Postage includes costs associated with mailing the federal 1099-R tax forms. Printing includes the defined contribution annual report.

Utilities

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

Supplies and Materials

Equipment Supplies include security software tokens, benefit deposit advices, toner and replacement phones. Compensation salary surveys are included in Publications/Subscriptions.

Other Expenses

Registration fees for investment audit training and National Association of State Retirement Administrators are included in Conferences and Seminars. Dues and Licenses include annual membership fees for NCREIF and Appraisal Institute. Online technology training costs are included in Training.

State of Ohio Expenses

The third quarterly payment for the Ohio Retirement Study Council was paid in January.

Capital Budget

Capital items for January include audio visual equipment, invoice workflow system software, security access card readers, real estate portfolio and property management software, two IT change orders for STaRS, and electric car charging stations.

**State Teachers Retirement System of Ohio
Detailed Operating Expenses
For the Month Ended January 31, 2020**

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Compensation		
Salaries & Wages	STRS OHIO	7,772,248
	Total	7,772,248
Overtime	STRS OHIO	15,148
	Total	15,148
	Total Salaries and Wages	7,787,396
Fringe Benefits		
OPERS Employer Cost	STRS OHIO	990,956
	Total	990,956
Medical/Hospitalization Insurance	AETNA BEHAVIORAL HEALTH LLC-ASSOC	1,286
	AETNA-ASSOC PREM	53,636
	ANDREA L GARNER	200
	ANDREW VICEN	400
	ANKIT GUPTA	200
	AUSTIN JAMES MCMASTERS	200
	BRENDA L TRITTSCHUH	400
	BRET BORDER	400
	CAROL N CLARK	400
	CASSANDRA REESE	400
	DAN J ROBERTS	400
	DEVON W MAESTRI	400
	DORENE M BROWNING	200
	JACOB R CLARK	400
	JAMES H RITTER	400
	JAY W ALSPAUGH	400
	JEFFREY L LIESER	400
	JENNIFER L PEERY	400
	JOHN D MORROW	400
	JORDAN WINTERS	400
	JOSHUA STRAIN	200
	JULIA A VISKANTA	400
	KASEY HORAN	200
	KATHY BOETTCHER	200
	KATHY K HOFFMANNBECK	200
	KEIRRA KARSHNER	400
	KEN C CHEE	400
	KEVIN D DEVRIES	400
	LEO M WILHELM	200
	LINDA M HORNE	400
	LOURDES R DUDANEY	400
	MABEL CHOW BROWN	400
	MARIN SOEUNG	400
	MARK MAXWELL	400
	MATTHEW E WORLEY	400
	MEDICAL CLAIMS	645,000
	MEI ZHANG	400
	MICHAEL A TAYLOR	400
	MICHAEL C BOBER	400
	MICHAEL MILLER	400
	MICHAEL SCHANTZ	400
	MISC. RECEIPTS	(4,191)
	PAUL M SNYDER	200
	PAULINE IBE	400

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	RICHARD A HARMAN JR	400
	RICHARD E FISCHBACH	400
	RONALD J MCKILLIP	200
	RYAN W COLLINS	400
	STACEY WIDEMAN	200
	STRS OHIO	(124,975)
	SUSAN D YOUNG	400
	TAMLA D COLE	200
	TERENCE M HERBST	400
	THOMAS C CHAEL	400
	THOMAS S COUNTS	400
	UNITED HEALTHCARE INSURANCE CO	39,083
	VENKATA D KANTAMNENI	400
	VINAY CHERUKUPALLY	400
	WILLIAM A SHURMAN	400
	WILLIAM F SHURMAN II	200
	YI ZHANG	200
	YING SHI	400
	Total	629,239
Medicare	STRS OHIO	110,763
	Total	110,763
Dental Insurance	DELTA DENTAL	48,398
	MISC. RECEIPTS	(276)
	Total	48,122
Educational Assistance	COLUMBUS STATE COMMUNITY COLLEGE	947
	HUMAN RESOURCES ASSOCIATION-CENTRAL OH	1,049
	KEIRRA KARSHNER	289
	KELLER GRADUATE SCHOOL	1,327
	MICHAEL J CLYDE	631
	STRS OHIO	(855)
	Total	3,388
Workers' Compensation	STRS OHIO	13,445
	Total	13,445
Life Insurance	LINCOLN NATIONAL LIFE INSURANCE COMPANY	23,226
	Total	23,226
Disability Insurance	LINCOLN NATIONAL LIFE INSURANCE COMPANY	8,248
	Total	8,248
Wellness	FIFTH THIRD BANK-CORP CARD	64
	FITNESS SOLUTIONS LTD	265
	MARCY FREED	600
	MISC. RECEIPTS	(598)
	OHIOHEALTH/WORK HEALTH	160
	STRS OHIO	(2,420)
	Total	(1,929)
	Total Fringe Benefits	1,825,458
Professional and Technical Services		
Actuary	CHEIRON INC	28,768
	Total	28,768
Audit	CLIFTONLARSONALLEN LLP	15,000
	Total	15,000

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Banking Expense	FIFTH THIRD BANK	7,392
	Total	7,392
Contract Services	CASTLE PEAK ASSOCIATES LP	55,000
	INCONTACT INC	10,413
	Total	65,413
Custodial Banking Fees	BNY MELLON	(100,000)
	FIFTH THIRD BANK	19,335
	NORTHERN TRUST	413,653
	Total	332,988
Data Management and Analytics	IBM CORPORATION	29,500
	Total	29,500
Disaster Recovery	FIFTH THIRD BANK-CORP CARD	131
	FIREPROOF RECORDS CENTER	578
	RECOVERY POINT SYSTEMS	4,415
	Total	5,124
Employment Verification	SCREENPOINTE INC	426
	Total	426
Insurance Consultant	ALPHA RISK MANAGEMENT INC	15,000
	Total	15,000
Investigative Services	LEXISNEXIS RISK SOLUTIONS	1,106
	Total	1,106
Investment Consultant	CALLAN LLC	115,866
	CLIFFWATER LLC	20,833
	Total	136,699
Investment Research Services	ARBOR RESEARCH & TRADING LLC	3,750
	COPPCLARK	3,500
	CREDITNTELL	24,000
	DTCC ITP LLC	1,987
	FRANK RUSSELL COMPANY	15,000
	MOODY'S ANALYTICS INC	134,725
	MSCI ESG RESEARCH INC	14,462
	REFINITIV US LLC	105,147
	STEPSTONE GROUP LP	37,500
	TRADEWEB LLC	1,600
	TRANS NATIONAL RESEARCH CORPORATION	29,250
	VIRTU ITG PLATFORMS LLC	40,256
	WILSHIRE ASSOCIATES INC	7,474
	Total	418,651
Legal Fees	DINSMORE & SHOHL LLP	88
	MUNGER TOLLES AND OLSON LLP	7
	NEWHOUSE PROPHATER KOLMAN & HOGAN LLC	210
	PEREZ & MORRIS LLC	500
	PRYOR CASHMAN LLP	480
	TUCKER ELLIS LLP	1,907
	Total	3,192
Medical Examinations	ADRIENNE SAXTON MD LLC	875
	ALBERT J KOLIBASH JR MD	360
	CLAIRE V WOLFE MD	640
	CLEVELAND CLINIC FOUNDATION	3,593
	COLUMBUS ONCOLOGY ASSOC INC	500

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	DISABILITY & IMPAIRMENT EVALUATIONS, INC	2,500
	DONALD C MANN MD INC	2,550
	GABRAIL CANCER CENTER	450
	JAMES N ALLEN, MD	820
	JEFFERY C HUTZLER MD	180
	MARC COOPERMAN MD	640
	MARJORIE C GALLAGHER MD	180
	MARTIN J GOTTESMAN MD	15,029
	MEDICAL EVALUATORS LLC	1,650
	METROHEALTH PROFESSIONAL GROUP	2,289
	OLAYA LIZETTE SOLIS	800
	OSU INTERNAL MEDICINE, LLC	715
	QUALITY EVALUATION INC	1,350
	RICHARD KOLETSKY MD	695
	RONALD L WHISLER MD	280
	STEIMAN NEUROLOGY GROUP INC	1,150
	STEPHEN D HEIS MD & ASSOCIATES	475
	STEPHEN F PARISER, MD	180
	SUMMIT REHAB MEDICINE INC	425
	Total	38,326
Other Consulting Services	ACA PERFORMANCE SERVICES LLC	5,450
	CALFEE HALTER AND GRISWOLD LLP	6,000
	FIFTH THIRD BANK	7,404
	Total	18,854
Quotation and Analytic Service	BLOOMBERG FINANCE LP	535,365
	NYSE MARKET INC	2,458
	OPTIONS PRICE REPORTING AUTHORITY LLC	504
	TSX INC	406
	Total	538,733
Recruitment Fees	AMERICAN EXPRESS COMPANY	982
	DRURY INN & SUITES	522
	EMPLOYTEST LLC	427
	HAWARD WANG	56
	WONDERLIC INC	439
	Total	2,426
Temporary Employment Services	DAWSON RESOURCES	3,643
	OFFICE TEAM	1,674
	US PROTECTION SERVICE	1,000
	Total	6,317
	Total Professional and Technical Services	1,663,915
Repairs and Maintenance		
Building Maintenance and Equipment	AG-PRO COMPANIES	48
	AMBIUS LLC 05	1,573
	ATLAS INDUSTRIAL CONTRACTORS LTD	360
	FIBERCARE	4,390
	FIFTH THIRD BANK-CORP CARD	(100)
	FIREPROOF RECORDS CENTER	166
	GRAINGER INC	4,109
	GRAYBAR	103
	I SUPPLY COMPANY	5,963
	JOHNSON CONTROLS INC	27,881
	JOHNSTONE SUPPLY	95
	LOMBARDI WATER MANAGEMENT INC	725
	LOWES BUSINESS ACCOUNT	126
	MCMASTER-CARR SUPPLY COMPANY	164

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	OHIO CAT	1,132
	PEPCO	543
	PRAXAIR DISTRIBUTION INC	55
	SPEER MECHANICAL	2,679
	TERMINIX	401
	THE DOOR COMPANY	2,007
	WASSERSTROM	593
	WESTWATER SUPPLY CO	461
	WORLY PLUMBING SUPPLY INC	168
	Total	53,642
Copiers	BLUE TECHNOLOGIES COLUMBUS INC	51
	CANON FINANCIAL SERVICES INC	3,804
	GORDON FLESCH CO INC	3,822
	IMPACT NETWORKING LLC	17
	MT BUSINESS TECHNOLOGIES INC	336
	RANDY'S REPAIR AND MAINTENANCE	1,753
	Total	9,783
Data Processing Equipment	BLOOMBERG FINANCE LP	6,910
	CA INC	60,725
	CARASOFT TECHNOLOGY CORP	5,002
	CDW GOVERNMENT INC	8,307
	CISCO SYSTEMS	117
	CLOUDFLARE INC	3,800
	ELASTICSEARCH INC	3,948
	FIFTH THIRD BANK-CORP CARD	822
	INTEGRATED RESEARCH, INC.	7,692
	IOVATION INC	19,793
	LINODE.COM	60
	MAPSYS SYSTEM AND SOLUTIONS	7,859
	MRI SOFTWARE LLC	49,621
	ORACLE AMERICA INC	74
	SAPIEN TECHNOLOGIES INC	199
	THE MATHWORKS INC	7,094
	XEROX CORPORATION	3,570
	Total	185,593
Mail Center Equipment	NEOPOST USA INC	260
	PITNEY BOWES GLOBAL FINANCIAL SVC LLC	1,293
	PITNEY BOWES INC	259
	Total	1,812
Property Tax and Leases	FRANKLIN COUNTY TREASURER	80,826
	HOLLINGSWORTH CAPITAL PARTNERS COLS LLC	9,057
	Total	89,883
Safety & Security Equipment	ELECTRONIC SECURITY SERVICES INC	179
	OTIS ELEVATOR COMPANY	1,401
	Total	1,580
Trash Removal	REPUBLIC SERVICES #046	238
	WASTE MANAGEMENT INC	1,958
	Total	2,196
	Total Repairs and Maintenance	344,489
Travel and Vehicles		
Gasoline	FIFTH THIRD BANK-CORP CARD	336
	Total	336

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
Staff and Board Travel	AMERICAN EXPRESS COMPANY	10,269
	ARTHUR B. LARD	132
	BONNIE E WILD	15
	BRIAN R ENGSTROM	626
	CAROL L CORRETHEERS	183
	CRAIG L BESSELMAN	2,559
	DALE L PRICE	220
	DRURY INN & SUITES	1,464
	ERIC NEWBERG	1,367
	F RUSSELL NICHOLSON III	43
	FIFTH THIRD BANK-CORP CARD	327
	HOPE K SHORT	184
	JACOB R CLARK	807
	JAMIE LI	4,182
	JASON A SAUER	137
	JOEL PRESTON PANGBURN	649
	JOHN A BUCH	143
	JULIA A VISKANTA	173
	JUSTIN MAURER	556
	KELLEY S MCCHRISTY	18
	KIMBERLY R MOORE	1,309
	LYNN A HOOVER	14
	NICOLE M HOKE	512
	NIK TAN	283
	ROBERT MCFEE	195
	ROBERT W STEIN	193
	RONALD J COLASANTI	1,931
	STEPHEN W EHLERS	90
	STEVEN J LUETTGEN	72
	TAMLA D COLE	36
	THOMAS A CANTWELL	105
	WILLIAM A SHURMAN	977
	YU LIANG	1,085
	Total	30,856
Vehicle Maintenance	BYERS CHRYSLER, LLC	465
	TREASURER STATE OF OHIO	136
	Total	601
	Total Travel and Vehicles	31,793
Communications		
Courier Services	RAINBOW EXPRESS INC	1,582
	UNITED PARCEL SERVICE	853
	Total	2,435
Outsourced Distribution	BAESMAN GROUP INC	2,390
	Total	2,390
Postage	LORTON DATA INC.	281
	MISC. RECEIPTS	(36)
	RESERVE ACCOUNT	70,000
	THE OLD TRAIL PRINTING CO INC	75
	Total	70,320
Printing	ADVANCE GRAPHICS	207
	BAESMAN GROUP INC	15,709
	CAPITOL SQUARE PRINTING	1,175
	THE OLD TRAIL PRINTING CO INC	4,916
	USA CUSTOM PAD	578
	VERITIV OPERATING COMPANY	3,525

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	WESTERN STATES ENVELOPE & LABEL	1,601
	Total	27,711
Telecommunications	AT&T	101
	INTRADO ENTERPRISE COLLABORATION INC	254
	T-MOBILE	37
	TIME WARNER CABLE	396
	TREASURER STATE OF OHIO	979
	VERIZON WIRELESS	3,673
	WOW BUSINESS	1,784
	XO COMMUNICATIONS	13,365
	Total	20,589
	Total Communications	123,445
Utilities		
Electricity	AMERICAN ELECTRIC POWER	57,350
	CITY OF WESTERVILLE	2,151
	Total	59,501
Natural Gas	COLUMBIA GAS OF OHIO	5,716
	PESCO ENERGY	11,588
	Total	17,304
Water	COLUMBUS CITY TREASURER	3,980
	Total	3,980
	Total Utilities	80,785
Supplies and Materials		
Equipment Supplies	APPLE COMPUTER, INC.	536
	B & H PHOTO VIDEO	284
	BUCKEYE POWER SALES CO INC	252
	CDW GOVERNMENT INC	1,544
	CINTAS CORPORATION	1,084
	FASTSIGNS	35
	FIFTH THIRD BANK-CORP CARD	663
	GORDON FOOD SERVICE	1,306
	GRAINGER INC	54
	I SUPPLY COMPANY	1,001
	IT SAVVY	7,536
	KINZUA ENVIRONMENTAL INC	303
	METROLINEDIRECT.COM	3,249
	MNJ TECHNOLOGIES DIRECT INC	8,229
	RR DONNELLEY AND SONS COMPANY	8,217
	STRATEGIC SOURCING INC	905
	THE MILLCRAFT PAPER COMPANY	1,153
	VERITIV OPERATING COMPANY	340
	WASSERSTROM	171
	Total	36,862
Food Service Supplies	AVI FOOD SYSTEMS INC	1,567
	COCA-COLA BOTTLING CO CONSOLIDATED	771
	FIFTH THIRD BANK-CORP CARD	23
	FIRSTCHOICE	133
	GORDON FOOD SERVICE	14,785
	KROGER-COLUMBUS CUSTOMER CHARGES	172
	MATTHEW CHRISTY	16
	MISC. RECEIPTS	(6,424)
	SCHNEIDER'S BAKERY INC	360
	STRS OHIO	(11,134)

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	TREASURER STATE OF OHIO	1,006
	Total	1,275
Office Supplies	BLUE BOX CORRUGATED INC	321
	CAPITOL OFFICE SUPPLY	346
	GRAINGER INC	27
	INDEPENDENT STATIONERS INC	466
	OFFICE DEPOT INC	91
	SOUTHERN PROFESSIONAL PRINTING LLC	473
	STAPLES BUSINESS ADVANTAGE	609
	Total	2,333
Publications/Subscriptions	BUSINESS FIRST	235
	COMPDATA SURVEYS	799
	DIRECTV	180
	FIFTH THIRD BANK-CORP CARD	841
	HRDIRECT	79
	RELX INC DBA LEXISNEXIS	353
	WOLTERS KLUWER LEGAL & REGULATORY US	395
	Total	2,882
Uniforms	CINTAS CORPORATION	2,511
	ECONOMY	272
	FIFTH THIRD BANK-CORP CARD	112
	UNIFIRST CORPORATION	822
	Total	3,717
	Total Supplies and Materials	47,069
Other Expenses		
Conferences and Seminars	AMERICAN SOCIETY FOR QUALITY INC	1,998
	ARMA GREATER COLUMBUS OHIO CHAPTER	20
	CENTRAL OHIO POSTAL CUSTOMER COUNCIL	50
	FIFTH THIRD BANK-CORP CARD	249
	HUMAN RESOURCES ASSOCIATION-CENTRAL OH	350
	INVESTMENT TRAINING CONSULTING INSTITUTE	1,610
	NATL ASSOC OF STATE RETIREMENT ADMIN	1,350
	PRISM	650
	PUBLIC RELATIONS SOC OF AMER CNTRL OH	249
	STANTON WEST	166
	Total	6,692
Dues and Licenses	AMERICAN PAYROLL INSTITUTE INC	254
	ARMA INTERNATIONAL	195
	ASSOCIATION FOR FACILITIES ENGINEERS	199
	BOMI INTERNATIONAL	75
	CENTRAL OH ORG OF PUBLIC PURCHASERS	40
	COLUMBUS COMPENSATION ASSOCIATION	75
	DEBRA L HULAND	1,000
	INSTITUTE OF REAL ESTATE MANAGEMENT	975
	JOYCE E BALDWIN	150
	MARIAN S GARNER	70
	MEREDITH H WAHLERS	209
	NARASIMHA R VADREUVU	1,000
	NCREIF	2,500
	PENSION REAL ESTATE ASSOCIATION	330
	PROJECT MANAGEMENT INSTITUTE	159
	SAM'S CLUB	180
	SOCIETY FOR HUMAN RESOURCE MANAGEMENT	219
	STANTON WEST	330
	TODD JACOBSON	1,735

<u>ACCOUNT</u>	<u>VENDOR</u>	<u>AMOUNT</u>
	Total	9,695
Insurance	BEECHER CARLSON INSURANCE SERVICES LLC	104
	Total	104
Member Education Programs	THE MANDALAY	930
	Total	930
Miscellaneous	COLUMBUS CITY TREASURER	1,920
	FIFTH THIRD BANK-CORP CARD	131
	FIREPROOF RECORDS CENTER	393
	INFOSTORE LLC	31
	MAPLE LEE FLOWERS	152
	STRS OHIO	39
	Total	2,666
Other Board Expense	DRURY INN & SUITES	185
	FIFTH THIRD BANK-CORP CARD	13
	Total	198
Other Staff Expense	DONATO'S PIZZERIA LLC	157
	ELIZABETH C DUDLEY	200
	FIFTH THIRD BANK-CORP CARD	51
	MARY K WIEDEMER	116
	MISCELLANEOUS EXPENSE	69
	RYAN W COLLINS	132
	STRS OHIO	(1,225)
	SUZAN J WALTERS	325
	TESSLYN E AMATO	131
	WENDIE M BALLARD	186
	Total	142
Training	DATA CAMP INC	1,200
	FIFTH THIRD BANK-CORP CARD	25
	GLOBAL KNOWLEDGE TRAINING LLC	4,990
	JULIE M HINES	240
	NEW HORIZONS CLC OF COLUMBUS LLC	3,127
	NIGP-NATL INST GOVERNMTL PURCHASING	210
	SERVICENOW INC	3,586
	Total	13,378
	Total Other Expenses	33,805
Total Operating Expenses		11,938,155
State of Ohio Expenses	OHIO RETIREMENT STUDY COUNCIL	56,259
	TREASURER STATE OF OHIO	169
	Total State of Ohio Expenses	56,430