

Public Works and Transportation Committee

Public Works

DEPARTMENT PURPOSE: The Department of Public Works operates and maintains the County's Waterworks and Sewerage System. The County also provides wholesale sewer service to various municipalities on a contractual basis.

FINANCIAL SUMMARY:

Account	FY2016 Actuals	FY2017 Adopted Budget	FY2017 Modified Budget	FY2018 Budget	\$ Variance	% Variance
A41X Taxes	10,611	178,845	178,845	178,845	0	0%
A43X Fines and Forfeitures	811	500	500	500	0	0%
A45X Intergovernmental	262,399	340,026	340,026	340,026	0	0%
A46X Charges for Services	40,077,750	42,229,200	42,229,200	42,816,200	587,000	1%
AHM Miscellaneous	761,857	309,100	309,100	421,050	111,950	36%
AH4X Total Revenue	41,113,428	43,057,671	43,057,671	43,756,621	698,950	2%
AH5X Personnel	6,568,169	6,864,339	6,864,339	6,782,727	(81,612)	-1%
AH6X Commodities	2,188,133	1,860,721	1,928,351	1,984,901	124,180	7%
AH74X Benefits	2,582,833	2,742,227	2,742,227	2,590,845	(151,382)	-6%
AH7X Contractuals	20,478,248	20,295,933	22,653,916	23,281,096	2,985,164	15%
AH8X Capital Expenditures	24,835,191	1,024,184	18,025,200	960,750	(63,434)	-6%
AH9X Debt Service	1,845,695	5,649,255	5,649,255	5,325,530	(323,725)	-6%
AH6X Total Expenses	58,498,268	38,436,658	57,863,287	40,925,850	2,489,191	6%

STAFFING SUMMARY:

Position Type	FY2016 Budget	FY2017 Budget	FY2018 Budget
Full Time	96	93	90
Part Time	1	3	3

BUDGET HIGHLIGHTS:

- ↓ Personnel expenses (5X) have declined primarily due to eliminating two positions via the county's accelerated retirement option, and eliminating one position based on a recommendation from Human Resources.
- ↑ Revenue in Charges for Services (46X) is projected to increase by \$587,000 in FY2018. This is driven by increases in User Charges (47140) and corresponding modifications to retail water and sanitary sewer rates across several service areas, which were approved by the County Board in October 2015.
- ↑ Miscellaneous revenue has increased due to more favorable investment rates associated with Interest (48010).
- ↑ Commodities (6X) are up in FY2018, as bio-nutrient removal processes have increased expenses such as Chemical Supplies (65010) and Laboratory Supplies (65020). Additionally, Operational Supplies (61040) is also up due to corrections in budgeting for parts in Public Works' electronic asset management system.
- ↓ Benefits (74X) have decreased due to reductions in the county's contribution to the Single and Family health insurance plans for Local 150 Union employees, the implementation of a Single +1 health insurance plan for Local 150 Union employees, as well as reductions in FICA (74100) and IMRF (74110) after eliminating three positions.
- ↑ Contractual expenses (7X) are expected to increase due to additional funding for Consultants (71150) to assist in a rate study and a bio-solids marketing plan; higher costs for Electricity (71920) to power additional blowers that aid in bio-nutrient removal; and increases for Wholesale Water Purchases (73110) and Wholesale Sewerage Treatment (73120).
- ❖ Public Works is also jointly purchasing a vacuum truck with DOT, an example of a successful inter-departmental shared service venture.

PERFORMANCE INFORMATION:

Measurement	FY2015 Actual	FY2016 Actual	FY2017 Projected	FY2018 Target
Residential Water Accounts	18,670	18,735	18,785	18,825
Potable Water Pumped (billions of gallons)	1.9	1.9	1.8	2.0
Percentage of Potable Water Samples That Meet IEPA Standards	99.0%	99.8%	98.0%	100.0%
Percentage of Accounts Paying Electronically	40%	43.3%	50%	55%
Water/Sewer Connection Permits Issued	348	325	335	350
Recorded Breaks in Water Service Lines and Mains	125	126	130	150
Percentage of Sewer Lines Inspected Via CCTV	10%	12%	10%	10%
Percentage of Sewer Lines Cleaned	10%	10%	12%	12%
Percentage of Wastewater Samples That Meet NPDES Permit Limits	99.9%	100%	98%	100%

Lake County Revenue Budget Comparison Report - Five Year History

F610 - M48X - Public Works

Acct Code	Account Description	Recognized Amount FY14	Recognized Amount FY2015	Recognized Amount FY2016	Adopted Budget FY2017	Modified Budget FY2017	Y-T-D Recognized FY2017	Budget FY2018
A41100	Property Taxes	734,146	352,821	10,611	178,845	178,845	178,851	178,845
A41X	Taxes	734,146	352,821	10,611	178,845	178,845	178,851	178,845
A43075	Administrative Adjudication	215	45	811	500	500	501	500
A43X	Fines and Forfeitures	215	45	811	500	500	501	500
A45330	Grants - Other	-	120,406	-	-	-	-	-
A45340	Other Federal Funds	150,753	231,550	92,369	-	-	-	-
A45345	Federal Bond Interest Subsidy	341,585	340,866	170,030	340,026	340,026	-	340,026
A45400	Revenue From Other Government Bodies	-	-	-	-	-	268,148	-
A45X	Intergovernmental	492,338	692,822	262,399	340,026	340,026	268,148	340,026
A46150	Penalties_A46150	192,882	190,953	188,349	172,000	172,000	178,658	172,000
A47080	Well & Septic Fees	-	-	0	-	-	-	-
A47140	User Charges	36,505,010	36,517,100	37,423,949	37,640,000	37,640,000	36,630,520	38,745,000
A47163	Water Sewer Surcharge	562,141	572,327	545,012	612,000	612,000	531,295	612,000
A47190	Connection Fees	2,828,976	4,409,114	1,682,160	3,500,000	3,500,000	5,647,804	3,000,000
A47195	FOG- Installation Permit Fee	700	1,200	700	-	-	600	-
A47196	FOG- Discharge License Fee	1,200	1,400	1,000	-	-	1,300	-
A47200	Inspection Fees	61,100	34,570	27,123	50,000	50,000	23,500	25,000
A47210	Lab Test Fees	2,079	2,721	3,383	2,700	2,700	2,336	2,700
A47215	Remediation Services	162,127	156,124	112,795	150,000	150,000	156,728	150,000
A47217	Fire Hydrant Flow Testing Fees	5,000	2,500	3,000	2,500	2,500	2,500	2,500
A47220	Revenue from Service Contracts	150,011	139,786	90,280	100,000	100,000	318,727	107,000
A46X	Charges for Services	40,471,225	42,027,795	40,077,750	42,229,200	42,229,200	43,493,967	42,816,200
A44020	Tower Rentals .	181,583	169,217	165,154	152,100	152,100	151,670	155,000
A44030	Other Rentals	2,000	1,000	2,000	2,000	2,000	2,000	2,000
A48010	Interest	166,460	161,698	174,011	88,000	88,000	171,229	196,000
A48120	Developer Contributions	321,562	10,236,026	191,724	-	-	-	-
A48280	Proceeds from WPCLP	-	-	-	-	-	12,255,700	-
A48290	Premium On Sale of Bonds	34,606	34,605	85,720	-	-	-	-
A48320	Proceeds From Sale Of Assets	54,901	26,358	105,492	27,000	27,000	6,425	27,000
A49910	All Other Miscellaneous Revenue	60,596	61,635	37,757	40,000	40,000	50,408	41,050
AHM	Miscellaneous .	821,707	10,690,538	761,857	309,100	309,100	12,637,432	421,050
AH4X	Total Revenue	42,519,633	53,764,022	41,113,428	43,057,671	43,057,671	56,578,899	43,756,621

Lake County Expense Budget Comparison Report - Five Year History

F610 - M48X - Public Works

Acct Code	Account Description	Recognized Amount FY14	Recognized Amount FY2015	Recognized Amount FY2016	Adopted Budget FY2017	Modified Budget FY2017	Y-T-D Recognized FY2017	Budget FY2018
A51110	Regular Salaries And Wages	5,627,531	5,872,056	5,969,038	6,186,267	6,186,267	5,355,245	6,037,896
A51120	Permanent PT Salaries/Wages	26,743	23,381	57,118	80,822	80,822	79,543	86,811
A51135	Payroll Contingency	-	-	-	25,000	25,000	-	71,614
A51140	Overtime Salaries And Wages	503,670	477,096	494,749	511,250	511,250	542,687	524,031
A51200	Temporary PT Salaries/Wages	-	-	10,530	55,000	55,000	-	56,375
A51210	Performance Appraisals	12,955	13,652	1,198	-	-	547	-
A51220	Vacation payout	19,154	27,211	9,861	-	-	31,466	-
A51230	Sick Payout	20,308	19,304	19,848	-	-	7,720	-
A51240	Opt Out Premium	3,115	3,058	5,827	6,000	6,000	5,884	6,000
A51260	Incentive payments	-	-	-	-	-	79,958	-
AH5X Personnel		6,213,476	6,435,757	6,568,169	6,864,339	6,864,339	6,103,050	6,782,727
A61010	Office Supplies	28,179	22,954	25,532	27,500	27,500	15,208	27,500
A61020	Computer Supplies	3,184	6,248	7,609	5,900	5,900	7,554	11,000
A61030	Books Manuals And Periodicals	923	77	357	2,400	2,400	1,959	2,750
A61040	Operational Supplies	-21,463	-96,501	284,229	31,240	31,240	80,654	249,735
A61060	Clothing And Uniforms	22,406	36,600	35,553	41,000	41,000	35,937	47,926
A61080	Food and Provisions	-	-	-	-	-	344	-
A61090	Printing and Photographic Supplies	4,995	792	676	3,700	3,700	372	3,700
A61100	Communication Supplies	1,228	514	2,639	1,200	1,200	4,110	1,200
A62010	Medical Supplies	5,860	6,203	6,307	6,750	6,750	7,566	7,400
A63010	Building, Grounds Maintenance Supplies	113,570	138,402	115,903	128,200	128,200	42,978	121,900
A63020	Cleaning Supplies	10,085	8,392	17,721	12,550	12,550	16,057	8,550
A63040	Housekeeping Supplies	18,627	17,783	23,491	19,950	19,950	9,537	15,850
A65010	Chemical Supplies	300,781	308,647	315,550	454,800	454,800	387,788	475,175
A65020	Laboratory Supplies	88,581	115,675	121,560	131,000	131,000	105,000	142,200
A65030	Highway Materials	-	-	-	-	-	1,524	-
A65050	Engineering Supplies	1,772	461	-	500	500	109	500
A65060	Sign And Safety Supplies	63,341	51,057	58,934	43,050	43,050	53,443	35,150
A65070	Automotive Parts	66,483	58,569	52,892	59,650	59,650	23,201	53,500
A65090	Gasoline	121,217	76,547	63,159	70,787	70,787	54,822	72,735
A65100	Diesel Fuel	90,121	55,769	46,008	82,744	82,744	40,878	66,000
A65110	Lubricants	12,826	9,245	13,603	18,000	18,000	12,837	18,700
A65115	Heating Fuel	10,667	4,068	4,082	6,000	6,000	4,219	6,000
A65130	Small Tools	21,128	36,805	31,863	33,400	33,400	56,402	40,700
A65135	Hardware Supplies	1,051	7,095	6,300	4,450	4,450	1,200	5,300
A65140	Electrical Parts	276,559	126,407	329,256	158,000	158,000	129,011	108,100
A65150	Plumbing Supplies	139,072	247,442	221,045	211,700	211,700	84,575	172,700
A65160	Paints, Solvents and Related Supplies	12,227	10,087	6,211	9,350	9,350	5,084	11,250
A65170	Mechanical Parts and Supplies	264,324	299,508	388,559	293,200	293,200	303,493	274,680
A65175	Meter Parts and Supplies	20,945	14,165	4,390	3,000	3,000	19,113	4,000

Lake County Expense Budget Comparison Report - Five Year History

F610 - M48X - Public Works

Acct Code	Account Description	Recognized Amount FY14	Recognized Amount FY2015	Recognized Amount FY2016	Adopted Budget FY2017	Modified Budget FY2017	Y-T-D Recognized FY2017	Budget FY2018
A65180	Miscellaneous Commodities	1,707	920	4,707	700	68,330	1,851	700
AH6X Commodities		1,680,395	1,563,931	2,188,133	1,860,721	1,928,351	1,506,823	1,984,901
A74080	H/L/D Employee Benefits	1,548,068	1,495,817	1,577,420	1,515,320	1,515,320	1,472,226	1,402,085
A74100	Retirement Benefits/FICA	465,293	474,586	423,412	525,122	525,122	454,991	519,144
A74110	Retirement Benefits/IMRF	696,695	685,380	582,001	701,784	701,784	609,506	669,615
AH74X Benefits		2,710,056	2,655,783	2,582,833	2,742,227	2,742,227	2,536,722	2,590,845
A71110	Auditing And Accounting	183,014	48,297	35,000	40,000	40,000	43,610	96,000
A71140	Legal Services	116,733	141,095	121,163	120,000	162,242	57,852	120,000
A71150	Consultants	308,566	146,659	91,386	200,000	296,019	45,390	340,000
A71170	Engineering Services	180,363	255,527	891,599	300,000	2,452,025	620,261	745,000
A71190	Financial Services	555	1,715	492	5,000	5,000	542	5,000
A71200	Bank & Trust Services	63,390	52,593	82,364	75,000	75,000	69,381	85,000
A71220	Computer Services	15,875	15,100	7,400	20,000	20,000	7,400	20,000
A71230	Software & Online Services	97,429	206,394	156,811	178,960	186,365	152,245	181,860
A71310	Laboratory Fees	137,857	148,652	153,208	207,150	207,550	144,594	213,200
A71415	Recruitment	-	-	-	-	-	293	-
A71430	Tuition Reimbursement	-	-	-	4,420	4,420	-	4,500
A71450	Mileage Reimbursement	385	200	745	750	750	588	750
A71470	Employee Relations	-	2,411	1,955	2,475	2,475	1,343	2,325
A71500	Trips And Training	63,183	71,968	68,551	74,700	74,700	56,271	80,950
A71610	Pest Control	3,850	4,323	4,095	5,800	5,800	3,654	5,400
A71620	Laundry And Cleaning	5,584	5,854	6,393	6,300	6,300	7,656	6,300
A71630	Garbage Disposal	33,433	39,008	43,836	40,200	40,200	45,626	40,200
A71640	Bio Hazard Waste Disposal	1,592	2,415	5,147	3,500	3,500	123	3,500
A71650	Security Services	14,433	14,497	18,034	15,500	15,500	17,075	15,500
A71660	Biosolids Management Services	407,819	444,590	464,121	547,510	547,510	435,212	442,170
A71810	Dues And Subscriptions	14,102	20,701	20,061	23,400	23,400	76,230	23,400
A71840	Publications & Legal Notices	3,787	2,049	-	1,000	1,000	-	1,000
A71910	Gas For Heating	261,346	204,051	176,516	250,624	250,624	139,000	252,500
A71920	Electricity	1,571,168	1,715,452	1,775,995	1,536,830	1,536,830	1,697,787	1,867,913
A71930	Water And Sewer Charges	5,071	2,558	3,803	2,800	2,800	1,458	2,800
A71940	Telephone	46,350	48,963	52,397	52,088	52,088	62,394	59,860
A71950	Cellular Phones	31,069	29,779	33,610	31,688	31,688	29,405	34,450
A71955	Cell Phone Allowance	480	1,905	2,710	4,300	4,300	2,635	4,300
A71960	Data/Telecommunications	113,729	145,197	107,982	144,700	144,700	133,013	136,340
A71965	Radio Fees	-	-	-	8,800	8,800	1,446	8,000
A71970	Courier Services	3,181	7,883	7,767	7,750	7,750	8,480	8,350
A72140	Unemployment Compensation	12,960	12,960	12,960	5,310	5,310	5,310	5,310
A72170	Liability And Work Comp Insurance	467,136	467,136	467,136	400,000	400,000	400,000	400,000
A72210	Motor Vehicle Maintenance & Repairs	113,890	97,898	102,935	98,000	98,000	76,659	102,500
A72240	Radio Equipment Maintenance & Repair	311	324	-	1,000	1,000	-	1,000

Lake County Expense Budget Comparison Report - Five Year History

F610 - M48X - Public Works

Acct Code	Account Description	Recognized Amount FY14	Recognized Amount FY2015	Recognized Amount FY2016	Adopted Budget FY2017	Modified Budget FY2017	Y-T-D Recognized FY2017	Budget FY2018
A72250	Bldg & Grounds Maintenance & Repairs	-	843	750	-	8,788	-	-
A72260	Office Equip Maintenance And Repairs	3,443	3,297	858	5,600	5,600	3,227	5,700
A72280	Equipment Maintenance	116,439	171,504	204,556	228,100	254,679	222,100	262,350
A72290	Building and Storage Bins Maintenance & Repairs	68,746	72,610	45,905	103,750	103,750	90,162	150,260
A72300	Levee, Ground Pavement Maintenance & Repairs	346,626	419,242	672,577	319,300	331,325	272,479	345,250
A72310	Transmission and Distribution Mains Maintenance & Repairs	75,868	89,196	49,771	68,900	68,900	5,696	80,050
A72320	Water Storage Tank, Reservoir and Towers Maintenance & Repairs	24,960	27,140	19,433	37,700	50,200	26,864	44,200
A72330	Wells Maintenance & Repairs	35,153	28,936	43,000	120,000	120,000	96,006	162,500
A72340	Trunk and Lateral Sewer Maintenance & Repairs	-	2,550	27,356	25,000	25,000	-	72,500
A72350	Lift Stations/Pumping Stations Maintenance & Repairs	-	-	-	20,000	20,000	-	30,000
A72380	Interceptor Sewers Maintenance & Repairs	-	47,167	13,764	-	-	-	130,000
A72410	All Other Maintenance And Repairs	337	3,700	1,025	-	-	8,247	-
A72520	Record Storage	-	-	533	-	-	-	-
A72530	Equipment Rental	29,396	20,308	24,600	31,410	31,410	17,267	30,910
A72560	All Other Rentals	165,600	165,500	1,536	165,800	165,800	333,717	166,000
A72790	Transfers to Other Governments	-	60,000	60,000	60,000	60,000	-	60,000
A72820	Postage	89,489	85,873	96,133	85,000	85,000	77,772	100,000
A72830	Printing Services	24,546	26,263	35,285	25,000	25,000	23,513	40,000
A72840	Temporary Employment Services	23,216	56,129	82,247	86,710	86,710	42,840	94,835
A73110	Wholesale Water Purchase	3,979,836	4,130,454	4,573,982	4,269,440	4,269,440	3,997,179	4,780,300
A73120	Wholesale Sewerage Treatment	7,901,063	8,339,893	7,872,933	8,600,000	8,600,000	7,814,227	9,686,735
A73150	Meter Reading Services	46,318	-	-	-	-	-	-
A73160	Surveying and Mapping Services	11,746	14,703	16,531	20,000	20,000	16,488	20,000
A73170	Testing and Inspections Services	36,023	37,557	36,659	123,600	123,600	62,918	49,500
A73190	Bad Debt Expense	-	30,080	111,927	30,000	30,000	-	30,000
A73195	Indirect Cost Allocations	905,664	1,176,246	1,153,714	1,392,567	1,392,567	1,392,567	1,562,128
A73200	Public Works Refunds	-	-	7,048	-	-	133,962	-
A75020	Real Estate Taxes	-	-	-	-	-	21	-
A76010	Revenue Bond Issue Costs	713,832	-	154,744	-	-	-	-
A79920	Transfers Other Funds	-	-	244,644	-	-	-	-
A79940	Miscell Contractual Services	72	5,538	3,870	50,000	50,000	44,914	50,000
A79950	All Other Miscellaneous	9,936	6,608	6,693	12,500	12,500	7,034	12,500
AH7X Contractuals		18,886,949	19,379,489	20,478,248	20,295,933	22,653,916	19,032,132	23,281,096
A83010	Motor Vehicles	-	-	536,206	-	671,351	317,033	-
A84010	Construction & Maintenance Equipment	46,416	-	153,387	-	105,000	33,520	-
A84020	Radios & Electronic Equipment	37,075	-	20,946	-	10,000	-	-
A84030	Computer Equipment	42,549	2,363	4,858	-	-	-	-
A84040	Computer System Software	-	4,737	-	-	-	-	-
A84050	Laboratory Equipment	29,615	1,787	52,489	-	184,942	13,016	-
A84055	Safety Equipment	5,190	-	-	-	-	-	-

Lake County Expense Budget Comparison Report - Five Year History

F610 - M48X - Public Works

Acct Code	Account Description	Recognized Amount FY14	Recognized Amount FY2015	Recognized Amount FY2016	Adopted Budget FY2017	Modified Budget FY2017	Y-T-D Recognized FY2017	Budget FY2018
A84060	Furniture And Office Equipment	3,169	326	3,099	-	-	-	-
A84070	Engineering Equipment	-	-	-	-	25,000	17,195	-
A84080	Meters	102,455	9,351	-	-	-	-	-
A84090	Fire Hydrants	61,618	-	-	-	-	-	-
A84100	Miscellaneous Equipment	14,294	-	33,400	-	-	-	-
A85010	Water/Wastewater Facility Construction	2,460	-240	23,607,536	-	12,467,417	12,154,932	-
A85020	Roads & Road Constr & Maintenance	-	-	95,985	-	-	-	-
A85030	Sewer Interceptor Contracts	-	-	-	-	3,300,000	-	-
A85060	Facility Improvements - non capitalizable_A85060	281,243	-	10,681	-	27,016	22,292	10,000
A85070	All Other Capital Outlay	-	-	-	-	5,835	5,835	-
A89915	Construction & Maintenance Equipment- non capitalizable	-	4,750	-	-	-	-	-
A89920	Radios & Electronic Equipment- non capitalizable	-	1,560	4,758	1,200	1,200	-	1,200
A89925	Computer Equipment- non capitalizable	-	39,811	18,281	52,566	99,026	47,766	12,400
A89930	Computer System Software- non capitalizable	-	1,519	589	1,550	1,550	3,296	650
A89935	Laboratory Equipment- non capitalizable	-	7,913	6,213	32,100	32,100	9,716	21,000
A89940	Furniture & Office Equip Storage Containers- non capitalizable	1,186	4,129	10,815	30,300	30,300	10,307	10,600
A89950	Meters- non capitalizable	-	57,184	793	30,468	33,737	30,055	24,400
A89955	Fire Hydrants- non capitalizable	-	58	-	114,000	114,000	27,555	117,000
A89960	Miscellaneous Equipment- non-capitalizable	-	13,720	33,909	2,000	2,000	17,963	3,500
A89965	Facility Improvements - non capitalizable_A89965	-	1,500	241,245	760,000	914,727	338,643	760,000
AH8X Capital Expenditures		627,269	150,467	24,835,191	1,024,184	18,025,200	13,049,124	960,750
A90010	Principal Payments	-	-	-	3,303,510	3,303,510	254,943	3,356,452
A90020	Interest Payments	1,971,731	1,861,986	1,845,695	1,745,745	1,745,745	904,901	1,969,078
A91010	Depreciation Extension Improvements	-	-	-	600,000	600,000	-	-
A91020	Depreciation Expense	8,180,365	8,271,266	-	-	-	-	-
A91025	Impairment Loss	649,555	-	-	-	-	-	-
AH9X Debt Service		10,801,651	10,133,252	1,845,695	5,649,255	5,649,255	1,159,844	5,325,530
AH9X Total Expenses		40,919,796	40,318,680	58,498,268	38,436,658	57,863,287	43,387,694	40,925,850

