

Enterprise Funds

2019 Approved Budget



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	FY2017 Actuals	FY2018 Adopted Budget	FY2018 Modified Budget	FY2019 Budget	\$ Variance	% Variance
A41X Taxes	377,348	178,845	178,845	178,845	0	0%
A43X Fines and Forfeitures	501	500	500	500	0	0%
A45X Intergovernmental	618,330	340,026	340,026	359,142	19,116	6%
A46X Charges for Services	47,826,788	42,816,200	42,816,200	46,077,833	3,261,633	8%
AHM Miscellaneous	3,692,856	421,050	421,050	595,534	174,484	41%
AH4X Total Revenue	52,515,822	43,756,620	43,756,620	47,211,854	3,455,233	8%
AH5X Personnel	6,479,195	6,782,727	6,782,727	6,889,123	106,396	2%
AH6X Commodities	1,524,662	1,984,902	2,038,206	2,187,554	202,652	10%
AH74X Benefits	2,618,312	2,590,845	2,590,845	2,554,662	(36,183)	-1%
AH7X Contractuals	20,924,369	23,281,097	25,024,269	25,470,525	2,189,428	9%
AH8X Capital Expenditures	330,137	960,750	9,456,752	506,845	(453,905)	-47%
AH9X Debt Service	10,697,059	5,325,530	5,325,530	6,282,288	956,758	18%
AH6X Total Expenses	42,573,735	40,925,850	51,218,328	43,890,997	2,965,146	7%

STAFFING SUMMARY:

Position Type	FY2017 Budget	FY2018 Budget	FY2019 Budget
Full Time	93	94	94
Part Time	1	3	3

BUDGET HIGHLIGHTS:

- ↑ User Charges (47140) are projected to increase by \$3,224,714 in FY2019. This is driven by modifications to retail water and sanitary sewer rates across several service areas, which were approved by the County Board.
- ❖ Tower Rentals (44020) includes newly signed contract with Verizon for cellphone equipment on the Countryside water tower.
- ↑ Miscellaneous revenue (48X) increased \$174,484 due predominately to more favorable investment rates associated with Interest (48010).
- ↑ Commodities (6X) increased \$202,652 in FY2019 to account for historical costs in Mechanical Parts (65170) of \$71,870, and Electrical Parts (65140) of \$55,650.
- ↓ Benefits (74X) decreased by \$36,183 due to the lower IMRF rate.

- ↑ Contractual expenses (7X) are expected to increase due to additional funding for Software and Online Services (71230) due to the new Tyler billing software (\$150,935); higher costs (\$127,684) for Electricity (71920); an increase in Consulting (71150) for Project Management (\$370,000); and increases for Wholesale Sewerage Treatment (73120) relating to rate increases.
- ❖ Biosolid removal and marketing plans will be implemented in late 2019. Therefore, there is no budget impact.
- ❖ Computer Equipment (89925) includes \$98,638 in replacements and \$4,412 for equipment for a new mobile work order pilot for engineering inspectors.

PERFORMANCE INFORMATION:

Measurements	FY2015 Actual	FY2016 Actual	FY2017 Actual	FY2018 Projected	FY2019 Target
Residential Water accounts	18,670	18,735	19,072	19,100	19,150
Potable Water Pumped (Billions of Gallons)	1.90	1.9	1.80	1.80	1.90
Percent of Potable Water Sample That Meet IEPA Standards	99%	100%	99.7%	98%	100%
Percentage of Accounts Paying Electronically	40%	44.3%	57%	60%	60%
Water/Sewer Connection Permits	348	325	324	300	320
Recorded Breaks in Water Services Lines and Mains (per 100 Miles)	125	126	47.2	55	45
Percentage of Sewer Lines Inspected via CCTV	10%	12%	8.2%	9%	10%
Percentage of Sewer Lines Cleaned	10%	10%	9.3%	10%	10%
Percentage of Wastewater Samples That Meet NPDES Permit Limits	99.9%	100%	100%	98%	100%

Lake County Revenue Budget Comparison Report - Five Year History

F610 Public Works

Acct Code	Account Description	Recognized Amount FY2015	Recognized Amount FY2016	Recognized Amount FY2017	Adopted Budget FY2018	Modified Budget FY2018	Unaudited FY2018	Budget FY2019
A41100	Property Taxes	352,821	360,059	377,348	178,845	178,845	178,974	178,845
A41X	Taxes	352,821	360,059	377,348	178,845	178,845	178,974	178,845
A43075	Administrative Adjudication	45	811	501	500	500	-	500
A43X	Fines and Forfeitures	45	811	501	500	500	-	500
A45330	Grants - Other	120,406	-	-	-	-	-	-
A45340	Other Federal Funds	231,550	92,369	-	-	-	-	-
A45345	Federal Bond Interest Subsidy	340,866	336,999	342,644	340,026	340,026	846,828	359,142
A45400	Revenue From Other Government Bodies	-	-	278,686	-	-	10,538	-
A45X	Intergovernmental	692,822	429,368	621,330	340,026	340,026	857,366	359,142
A46150	Penalties_A46150	190,953	188,349	197,355	172,000	172,000	200,004	192,219
A47080	Well & Septic Fees	-	0	-	-	-	-	-
A47140	User Charges	36,517,100	37,261,247	40,296,096	38,745,000	38,745,000	40,246,624	41,969,714
A47163	Water Sewer Surcharge	572,327	545,012	723,464	612,000	612,000	596,405	630,000
A47190	Connection Fees	4,409,114	1,844,862	6,033,945	3,000,000	3,000,000	3,684,623	3,000,000
A47195	FOG- Installation Permit Fee	1,200	700	600	-	-	500	-
A47196	FOG- Discharge License Fee	1,400	1,000	1,300	-	-	2,900	-
A47200	Inspection Fees	34,570	27,123	40,942	25,000	25,000	30,848	17,900
A47210	Lab Test Fees	2,721	3,383	2,656	2,700	2,700	5,943	2,700
A47215	Remediation Services	156,124	112,795	170,752	150,000	150,000	121,862	150,000
A47217	Fire Hydrant Flow Testing Fees	2,500	3,000	3,250	2,500	2,500	5,100	3,000
A47220	Revenue from Service Contracts	139,786	90,280	356,429	107,000	107,000	135,529	112,300
A46X	Charges for Services	42,027,795	40,077,750	47,826,788	42,816,200	42,816,200	45,030,338	46,077,833
A49999	Over Short	-	-	-	-	-	10	-
A49X	Transfers	-	-	-	-	-	10	-
A44020	Tower Rentals .	169,217	165,154	183,550	155,000	155,000	121,778	156,650
A44030	Other Rentals	1,000	2,000	2,000	2,000	2,000	3,000	2,000
A48010	Interest	161,698	174,011	294,547	196,000	196,000	392,934	313,736
A48120	Developer Contributions	10,236,026	191,724	2,903,885	-	-	-	-
A48280	Proceeds from WPCLP	-	-	-52,317	-	-	2,733,800	-
A48290	Premium On Sale of Bonds	34,605	138,201	257,229	-	-	-	-
A48320	Proceeds From Sale Of Assets	26,358	105,492	22,584	27,000	27,000	72,564	27,000
A49910	All Other Miscellaneous Revenue	61,635	74,367	81,378	41,050	41,050	53,988	96,148
AHM	Miscellaneous	10,690,538	850,947	3,692,856	421,050	421,050	3,378,064	595,534
AH4X	Total Revenue	53,764,022	41,718,936	52,518,822	43,756,620	43,756,620	49,444,752	47,211,854

Lake County Expense Budget Comparison Report - Five Year History

F610 Public Works

Acct Code	Account Description	Recognized Amount FY2015	Recognized Amount FY2016	Recognized Amount FY2017	Adopted Budget FY2018	Modified Budget FY2018	Unaudited FY2018	Budget FY2019
A51110	Regular Salaries And Wages	5,872,056	5,969,038	5,670,596	6,037,896	6,037,896	5,760,092	6,203,271
A51120	Permanent PT Salaries/Wages	23,381	57,118	81,867	86,811	86,811	55,535	93,959
A51135	Payroll Contingency	-	-	-	71,614	71,614	-	-
A51140	Overtime Salaries And Wages	477,096	494,749	599,472	524,031	524,031	608,853	528,151
A51160	Holiday Pay	-	-	-	-	-	202	-
A51180	Special Pay	-	-	166	-	-	4,985	-
A51200	Temporary PT Salaries/Wages	-	10,530	-	56,375	56,375	16,127	59,242
A51210	Performance Appraisals	13,652	1,198	547	-	-	616	-
A51220	Vacation payout	27,211	9,861	32,697	-	-	74,284	-
A51230	Sick Payout	19,304	19,848	7,720	-	-	51,778	-
A51240	Opt Out Premium	3,058	5,827	6,173	6,000	6,000	5,250	4,500
A51260	Incentive payments	-	-	79,958	-	-	-	-
AH5X Personnel		6,435,757	6,568,169	6,479,195	6,782,727	6,782,727	6,577,721	6,889,123
A61010	Office Supplies	22,954	25,532	25,654	27,500	27,500	19,217	26,500
A61020	Computer Supplies	6,248	7,609	8,772	11,000	11,000	7,911	10,000
A61030	Books Manuals And Periodicals	77	357	1,990	2,750	2,750	597	5,350
A61040	Operational Supplies	-96,501	185,909	-204,916	249,735	287,185	37,943	271,800
A61060	Clothing And Uniforms	36,600	35,553	47,111	47,926	47,926	40,217	43,965
A61080	Food and Provisions	-	-	547	-	-	412	3,195
A61090	Printing and Photographic Supplies	792	676	2,536	3,700	3,700	1,944	3,200
A61100	Communication Supplies	514	2,639	7,478	1,200	1,200	1,188	3,300
A61120	Outreach Supplies	-	-	-	-	-	103	-
A62010	Medical Supplies	6,203	6,307	7,965	7,400	7,400	7,288	7,400
A63010	Building, Grounds Maintenance Supplies	138,402	115,903	62,096	121,900	121,900	54,032	124,400
A63020	Cleaning Supplies	8,392	17,721	24,727	8,550	8,550	23,997	6,550
A63040	Housekeeping Supplies	17,783	23,491	13,742	15,850	15,850	12,694	17,350
A65010	Chemical Supplies	308,647	315,550	401,453	475,175	475,175	451,348	491,400
A65020	Laboratory Supplies	115,675	121,560	130,142	142,200	148,823	169,337	170,000
A65030	Highway Materials	-	-	1,524	-	-	2,337	-
A65050	Engineering Supplies	461	-	109	500	500	-	250
A65060	Sign And Safety Supplies	51,057	58,934	70,903	35,150	35,150	58,371	34,000
A65070	Automotive Parts	58,569	52,892	37,920	53,500	53,500	47,474	48,500
A65090	Gasoline	76,547	63,159	65,564	72,735	72,735	77,544	83,320
A65100	Diesel Fuel	55,769	46,008	56,442	66,000	66,000	61,823	59,474
A65110	Lubricants	9,245	13,603	15,163	18,700	18,700	19,112	23,100
A65115	Heating Fuel	4,068	4,082	4,881	6,000	6,000	6,332	6,000
A65130	Small Tools	36,805	31,863	75,807	40,700	40,700	49,230	21,450
A65135	Hardware Supplies	7,095	6,300	1,200	5,300	5,300	6,064	5,300
A65140	Electrical Parts	126,407	329,256	168,861	108,100	117,332	184,793	163,750
A65150	Plumbing Supplies	247,442	221,045	95,141	172,700	172,700	97,624	189,700

Lake County Expense Budget Comparison Report - Five Year History

F610 Public Works

Acct Code	Account Description	Recognized Amount FY2015	Recognized Amount FY2016	Recognized Amount FY2017	Adopted Budget FY2018	Modified Budget FY2018	Unaudited FY2018	Budget FY2019
A65160	Paints, Solvents and Related Supplies	10,087	6,211	5,925	11,250	11,250	7,655	11,250
A65170	Mechanical Parts and Supplies	299,508	388,559	371,748	274,680	274,680	220,200	346,550
A65175	Meter Parts and Supplies	14,165	4,390	22,237	4,000	4,000	5,371	10,000
A65180	Miscellaneous Commodities	920	4,707	1,941	700	700	3,503	500
AH6X Commodities		1,563,931	2,089,814	1,524,662	1,984,902	2,038,206	1,675,663	2,187,554
A74080	H/L/D Employee Benefits	1,495,817	1,577,420	1,493,141	1,402,085	1,402,085	1,292,038	1,492,462
A74100	Retirement Benefits/FICA	474,586	423,412	480,802	519,144	519,144	488,519	527,028
A74110	Retirement Benefits/IMRF	685,380	1,404,063	644,369	669,615	669,615	644,592	535,172
AH74X Benefits		2,655,783	3,404,895	2,618,312	2,590,845	2,590,845	2,425,149	2,554,662
A71110	Auditing And Accounting	48,297	35,000	43,610	96,000	96,000	17,326	75,000
A71120	Interpreters	-	-	-	-	-	100	-
A71140	Legal Services	141,095	121,163	61,045	120,000	149,406	30,470	105,000
A71150	Consultants	146,659	91,386	54,634	340,000	424,626	110,973	710,000
A71170	Engineering Services	255,527	325,951	414,513	745,000	2,213,783	417,052	775,000
A71190	Financial Services	1,715	492	542	5,000	5,000	557	5,000
A71200	Bank & Trust Services	52,593	82,364	85,046	85,000	85,000	91,074	90,000
A71220	Computer Services	15,100	7,400	7,400	20,000	20,000	-	20,000
A71230	Software & Online Services	206,394	156,811	157,177	181,860	189,370	182,649	332,795
A71310	Laboratory Fees	148,652	153,208	152,825	213,200	213,200	176,112	131,500
A71370	Reimbursable Charges	-	-	-	-	-	222	-
A71415	Recruitment	-	-	293	-	-	1,240	-
A71430	Tuition Reimbursement	-	-	-	4,500	4,500	-	4,300
A71450	Mileage Reimbursement	200	745	683	750	750	1,040	750
A71470	Employee Relations	2,411	1,955	2,606	2,325	2,325	2,218	2,325
A71500	Trips And Training	71,968	68,551	74,764	80,950	80,950	77,605	102,700
A71610	Pest Control	4,323	4,095	3,905	5,400	5,400	3,796	5,400
A71620	Laundry And Cleaning	5,854	6,393	8,238	6,300	6,300	5,996	36,890
A71630	Garbage Disposal	39,008	43,836	55,748	40,200	40,200	58,085	57,200
A71640	Bio Hazard Waste Disposal	2,415	5,147	3,060	3,500	3,500	1,159	-
A71650	Security Services	14,497	18,034	17,075	15,500	15,500	16,527	20,438
A71660	Biosolids Management Services	444,590	464,121	521,224	442,170	488,534	522,272	442,170
A71810	Dues And Subscriptions	20,701	20,061	81,427	23,400	23,400	13,441	85,750
A71840	Publications & Legal Notices	2,049	-	-	1,000	1,000	-	1,000
A71910	Gas For Heating	204,051	176,516	153,870	252,500	252,500	192,414	251,000
A71920	Electricity	1,715,452	1,775,995	1,862,134	1,867,913	1,867,913	1,748,827	1,995,597
A71930	Water And Sewer Charges	2,558	3,803	1,870	2,800	2,800	2,176	2,800
A71940	Telephone	48,963	52,397	62,914	59,860	59,860	72,027	78,500
A71950	Cellular Phones	29,779	33,610	32,074	34,450	34,450	29,566	31,188
A71955	Cell Phone Allowance	1,905	2,710	2,635	4,300	4,300	2,775	4,300
A71960	Data/Telecommunications	145,197	107,982	133,109	136,340	136,340	140,452	144,971
A71965	Radio Fees	-	-	1,446	8,000	8,000	4,632	4,632

Lake County Expense Budget Comparison Report - Five Year History

F610 Public Works

Acct Code	Account Description	Recognized Amount FY2015	Recognized Amount FY2016	Recognized Amount FY2017	Adopted Budget FY2018	Modified Budget FY2018	Unaudited FY2018	Budget FY2019
A71970	Courier Services	7,883	7,767	9,387	8,350	8,350	6,445	4,500
A72140	Unemployment Compensation	12,960	12,960	5,310	5,310	5,310	5,310	5,310
A72170	Liability And Work Comp Insurance	467,136	467,136	400,000	400,000	400,000	400,000	400,000
A72210	Motor Vehicle Maintenance & Repairs	97,898	102,935	96,485	102,500	102,500	55,893	99,730
A72240	Radio Equipment Maintenance & Repair	324	-	600	1,000	1,000	-	1,000
A72250	Bldg & Grounds Maintenance & Repairs	843	750	-	-	5,897	5,897	-
A72260	Office Equip Maintenance And Repairs	3,297	858	3,227	5,700	5,700	-	5,700
A72280	Equipment Maintenance	171,504	204,556	243,968	262,350	310,471	249,683	329,340
A72290	Building and Storage Bins Maintenance & Repairs	72,610	45,905	104,905	150,260	150,260	65,325	113,967
A72300	Levee, Ground Pavement Maintenance & Repairs	419,242	672,577	295,019	345,250	378,782	299,700	475,800
A72310	Transmission and Distribution Mains Maintenance & Repairs	89,196	298,559	150,061	80,050	80,050	40,132	197,410
A72320	Water Storage Tank, Reservoir and Towers Maintenance & Repairs	27,140	19,433	220,028	44,200	44,200	7,480	201,837
A72330	Wells Maintenance & Repairs	28,936	43,000	110,567	162,500	167,939	124,935	330,000
A72340	Trunk and Lateral Sewer Maintenance & Repairs	2,550	27,356	-	72,500	72,500	-	102,500
A72350	Lift Stations/Pumping Stations Maintenance & Repairs	-	-	-	30,000	31,500	3,500	55,000
A72380	Interceptor Sewers Maintenance & Repairs	47,167	13,764	-	130,000	130,000	24,835	170,000
A72410	All Other Maintenance And Repairs	3,700	1,025	8,247	-	-	-	1,000
A72520	Record Storage	-	533	-	-	-	-	-
A72530	Equipment Rental	20,308	24,600	19,522	30,910	31,116	17,740	30,210
A72560	All Other Rentals	165,500	167,036	168,217	166,000	166,000	168,401	168,200
A72790	Transfers to Other Governments	60,000	60,000	-	60,000	60,000	60,000	-
A72810	Credit Card Fees	-	-	-	-	-	1	-
A72820	Postage	85,873	96,133	78,443	100,000	100,000	82,576	104,700
A72830	Printing Services	26,263	35,285	25,066	40,000	40,000	22,927	35,000
A72840	Temporary Employment Services	56,129	82,247	43,990	94,835	102,960	37,779	106,510
A72935	Permits and Licenses Expense	-	-	-	-	-	3,650	104,000
A73110	Wholesale Water Purchase	4,130,454	4,573,982	4,321,815	4,780,300	4,780,300	4,517,731	4,692,049
A73120	Wholesale Sewerage Treatment	8,339,893	8,053,320	8,809,762	9,686,735	9,686,735	9,235,435	10,225,245
A73160	Surveying and Mapping Services	14,703	16,531	16,488	20,000	20,000	14,830	20,000
A73170	Testing and Inspections Services	37,557	36,659	71,071	49,500	49,500	56,712	85,750
A73190	Bad Debt Expense	30,080	111,927	136,810	30,000	30,000	-1,752	30,000
A73195	Indirect Cost Allocations	1,176,246	1,153,714	1,392,567	1,562,128	1,562,128	1,562,128	1,630,688
A73200	Public Works Refunds	-	7,048	144,437	-	-	157,993	163,373
A75020	Real Estate Taxes	-	-	21	-	-	21	-
A76010	Revenue Bond Issue Costs	-	154,744	-	-	-	-	-
A79920	Transfers Other Funds	-	244,644	-	-	-	-	-
A79940	Miscell Contractual Services	5,538	3,870	44,914	50,000	53,663	2,135	50,000
A79950	All Other Miscellaneous	6,608	6,693	7,575	12,500	12,500	4,034	15,500
AH7X Contractuals		19,379,489	20,507,276	20,924,369	23,281,097	25,024,269	21,154,257	25,470,525
A83010	Motor Vehicles	-	-	-	-	560,000	518,531	-

Lake County Expense Budget Comparison Report - Five Year History

F610 Public Works

Acct Code	Account Description	Recognized Amount FY2015	Recognized Amount FY2016	Recognized Amount FY2017	Adopted Budget FY2018	Modified Budget FY2018	Unaudited FY2018	Budget FY2019
A84010	Construction & Maintenance Equipment	-	-	-	-	238,041	314,629	31,000
A84030	Computer Equipment	2,363	4,858	-	-	-	-	-
A84040	Computer System Software	4,737	-	-	-	500,000	5,000	-
A84050	Laboratory Equipment	1,787	41,688	4,086	-	159,368	123,464	78,395
A84055	Safety Equipment	-	-	-	-	5,500	5,578	-
A84060	Furniture And Office Equipment	326	3,099	-	-	3,500	-	-
A84070	Engineering Equipment	-	-	17,195	-	18,000	-	-
A84080	Meters	9,351	-	-	-	-	-	-
A84100	Miscellaneous Equipment	-	-	165	-	98,100	343,112	-
A84105	Sewer Facility Misc Equipment	-	-	-	-	-	89,527	-
A85010	Water/Wastewater Facility Construction	-240	-	-	-	5,630,000	6,848,228	-
A85020	Roads & Road Constr & Maintenance	-	-	-95,985	-	-	-	-
A85030	Sewer Interceptor Contracts	-	-	-	-	1,050,000	81,563	-
A85060	Facility Improvements - non capitalizable_A85060	-	10,681	22,292	10,000	10,000	5,657	-
A85070	All Other Capital Outlay	-	-	-	-	-	22,833	-
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	51,721	12,400	12,400	4,393	103,050
A89930	Computer System Software- non capitalizable	1,519	589	3,296	650	650	-	-
A89935	Laboratory Equipment- non capitalizable	7,913	6,213	6,137	21,000	42,096	3,127	4,000
A89940	Furniture & Office Equip Storage Containers- non capitalizable	4,129	10,815	14,663	10,600	10,600	10,766	7,100
A89950	Meters- non capitalizable	57,184	793	489	24,400	24,400	4,760	5,000
A89955	Fire Hydrants- non capitalizable	58	-	-	117,000	117,000	-	117,000
A89960	Miscellaneous Equipment- non-capitalizable	13,720	33,909	2,978	3,500	3,500	19,291	10,100
A89965	Facility Improvements - non capitalizable_A89965	1,500	241,245	303,102	760,000	972,397	360,633	150,000
AH8X Capital Expenditures		150,467	376,929	330,137	960,750	9,456,752	8,761,094	506,845
A90010	Principal Payments	-	-	-	3,356,452	3,356,452	1,485,090	4,169,500
A90020	Interest Payments	1,861,986	1,812,714	1,691,206	1,969,078	1,969,078	2,727,403	2,112,788
A91020	Depreciation Expense	8,271,266	8,803,471	9,007,145	-	-	-	-
AH9X Debt Service		10,133,252	10,616,185	10,698,351	5,325,530	5,325,530	4,212,494	6,282,288
AHEX Total Expenses		40,318,680	43,563,268	42,575,026	40,925,850	51,218,328	44,806,378	43,890,997

