

Enterprise Fund

2020 Approved Budget



Public Works, Planning & 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	FY2018	FY2019	FY2019	FY2020	\$ Variance	% Variance
	Actuals	Adopted Budget	Modified Budget	Budget		
A41X Taxes	178,974	178,845	178,845	178,845	0	0%
A43X Fines and Forfeitures	0	500	500	500	0	0%
A45X Intergovernmental	340,215	359,142	359,142	353,394	(5,748)	-2%
A46X Charges for Services	47,044,632	46,077,833	46,077,833	51,137,657	5,059,824	11%
A49X Transfers	11	0	0	0	0	0%
AHM Miscellaneous	1,458,405	595,534	595,534	582,082	(13,452)	-2%
AH4X Total Revenue	49,022,236	47,211,854	47,211,854	52,252,478	5,040,624	11%
AH5X Personnel	6,247,473	6,889,123	6,889,123	7,240,008	350,886	5%
AH6X Commodities	1,549,882	2,187,554	2,241,143	2,159,314	(28,240)	-1%
AH74X Benefits	2,378,362	2,554,662	2,554,662	2,509,028	(45,634)	-2%
AH7X Contractuals	21,275,386	25,470,525	26,843,107	27,092,376	1,621,851	6%
AH8X Capital Expenditures	269,806	506,845	6,831,555	6,589,135	6,082,290	1,200%
AH9X Debt Service	11,965,566	6,282,288	6,282,288	6,432,005	149,717	2%
AHEX Total Expenses	43,686,475	43,890,997	51,641,878	52,021,866	8,130,869	19%

STAFFING SUMMARY:

Position Type	FY2018 Budget	FY2019 Budget	FY2020 Budget
Full Time	95	95	96
Part Time	1	3	3

ACCOMPLISHMENTS:

- ❖ Initiated the merger with Lakes Region Sanitary District transferring employee positions and assuming all maintenance and operations on June 1st. Transfer of billing and business operations is in progress and on track to be completed by December 1st.
- ❖ Completed transition of sanitary sewer treatment process over to Enhanced Biological Nutrient Removal methodology significantly lowering the levels of phosphorous in the discharge with minimal use of treatment chemicals.
- ❖ Completed a multi-year rate study ensuring a sustainable revenue stream for operations and maintenance as well as the Capital Improvement Program.
- ❖ Completed the complete re-writing of water and sanitary sewer related ordinances providing an improved planning guide for future customers and assurance of full compliance with state and federal regulations

GOALS:

- ❖ Complete the merger with Lakes Region Sanitary District assuming all billing and business operations on December 1st and assisting the District as it concludes operations pending resolution of the District’s assets and debt service.
- ❖ Partner with Stormwater Management to develop a multi-year implementation plan for the Lake County Strategic Plan’s 1 Water strategy.
- ❖ Complete deployment of the Department’s new customer billing software providing enhanced cyber security, improved reporting capabilities and new customer facing features such as recurring bill payment.
- ❖ Ramp up execution of the Capital Improvement Program to include hiring of a new program manager (pending outcome of the new program request) and award of 26 projects in the budget.
- ❖ Initiate a maintenance management system to address the growing needs of LCPW to monitor and report on assets for improved maintenance efficiencies and capital budget decisions. Identify and implement a Computerized Maintenance Management System that is suited for this purpose.

PERFORMANCE INFORMATION:

Measurements	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020
	Actual	Actual	Actual	Actual	Projected	Target
Residential Water accounts	18,670	18,735	19,072	18,396	18,500	18,500
Potable Water Pumped (Billions of Gallons)	1.90	1.9	1.80	1.80	1.90	1.90
Percent of Potable Water Sample That Meet IEPA Standards	99%	100%	99.7%	99%	100%	100%
Percentage of Accounts Paying Electronically	40%	44.3%	57%	62%	63%	66%
Water/Sewer Connection Permits	348	325	324	383	380	380
Recorded Breaks in Water Services Lines and Mains (per 100 Miles)	125	126	47.2	86	100	45
Percentage of Sewer Lines Inspected via CCTV	10%	12%	8.2%	10%	10%	10%
Percentage of Sewer Lines Cleaned	10%	10%	9.3%	10%	10%	10%
Percentage of Wastewater Samples That Meet NPDES Permit Limits	99.9%	100%	100%	99%	100%	100%

Lake County Revenue Budget Comparison Report - Five Year History

F610 Public Works

Acct Code	Account Description	Recognized Amount FY2016	Recognized Amount FY2017	Recognized Amount FY2018	Adopted Budget FY2019	Modified Budget FY2019	Y-T-D Recognized FY2019	Budget FY2020
A41100	Property Taxes	360,059	377,348	178,974	178,845	178,845	178,807	178,845
A41X Taxes		360,059	377,348	178,974	178,845	178,845	178,807	178,845
A42080	Recreational Veh Park License Fee	-	-	-	-	-	100	-
A42X Licenses & Permits		-	-	-	-	-	100	-
A43075	Administrative Adjudication	811	501	-	500	500	230	500
A43X Fines and Forfeitures		811	501	-	500	500	230	500
A45340	Other Federal Funds	92,369	-	-	-	-	-	-
A45345	Federal Bond Interest Subsidy	336,999	339,644	340,215	359,142	359,142	167,773	353,394
A45400	Revenue From Other Government Bodies	-	278,686	-	-	-	-	-
A45X Intergovernmental		429,368	618,330	340,215	359,142	359,142	167,773	353,394
A46150	Penalties	188,349	197,355	200,004	192,219	192,219	200,575	192,219
A47080	Well & Septic Fees	0	-	-	-	-	-	-
A47140	User Charges	37,261,247	40,296,096	40,970,882	41,969,714	41,969,714	34,023,343	46,735,354
A47163	Water Sewer Surcharge	545,012	723,464	638,867	630,000	630,000	477,303	630,000
A47190	Connection Fees	1,844,862	6,033,945	4,947,297	3,000,000	3,000,000	2,003,856	3,287,684
A47195	FOG- Installation Permit Fee	700	600	1,500	-	-	600	600
A47196	FOG- Discharge License Fee	1,000	1,300	4,900	-	-	2,500	1,500
A47200	Inspection Fees	27,123	40,942	16,306	17,900	17,900	20,500	17,900
A47210	Lab Test Fees	3,383	2,656	6,135	2,700	2,700	15,733	17,000
A47215	Remediation Services	112,795	170,752	118,242	150,000	150,000	163,660	125,000
A47217	Fire Hydrant Flow Testing Fees	3,000	3,250	5,100	3,000	3,000	4,750	3,000
A47220	Revenue from Service Contracts	90,280	356,429	135,399	112,300	112,300	163,626	127,400
A46X Charges for Services		40,077,750	47,826,788	47,044,632	46,077,833	46,077,833	37,076,445	51,137,657
A49999	Over Short	-	-	11	-	-	-	-
A49X Transfers		-	-	11	-	-	-	-
A44020	Tower Rentals	165,154	183,550	89,898	156,650	156,650	144,623	158,082
A44030	Other Rentals	2,000	2,000	3,000	2,000	2,000	2,000	2,000
A48010	Interest	174,011	294,547	331,612	313,736	313,736	948,886	320,000
A48120	Developer Contributions	191,724	2,903,885	636,521	-	-	-	-
A48280	Proceeds from WPCLP	-	-52,317	-	-	-	-	-
A48290	Premium On Sale of Bonds	138,201	257,229	243,913	-	-	-	-
A48320	Proceeds From Sale Of Assets	105,492	22,584	72,564	27,000	27,000	49,500	27,000
A49910	All Other Miscellaneous Revenue	74,367	81,378	80,897	96,148	96,148	32,930	75,000
AHM Miscellaneous		850,947	3,692,856	1,458,405	595,534	595,534	1,177,939	582,082
AH4X Total Revenue		41,718,936	52,515,822	49,022,236	47,211,854	47,211,854	38,601,294	52,252,478

Lake County Expense Budget Comparison Report - Five Year History

F610 Public Works

Acct Code	Account Description	Recognized Amount FY2016	Recognized Amount FY2017	Recognized Amount FY2018	Adopted Budget FY2019	Modified Budget FY2019	Y-T-D Recognized FY2019	Budget FY2020
A51110	Regular Salaries And Wages	5,969,038	5,670,596	5,448,482	6,203,271	6,203,271	5,666,320	6,471,425
A51120	Permanent PT Salaries/Wages	57,118	81,867	52,421	93,959	93,959	45,325	94,887
A51135	Payroll Contingency	-	-	-	-	-	-	89,000
A51140	Overtime Salaries And Wages	494,749	599,472	594,634	528,151	528,151	621,434	542,497
A51160	Holiday Pay	-	-	202	-	-	383	-
A51180	Special Pay	-	166	4,911	-	-	5,166	-
A51200	Temporary PT Salaries/Wages	10,530	-	16,127	59,242	59,242	20,010	38,400
A51210	Performance Appraisals	1,198	547	616	-	-	388	-
A51220	Vacation payout	9,861	32,697	73,053	-	-	29,736	-
A51230	Sick Payout	19,848	7,720	51,778	-	-	16,928	-
A51240	Opt Out Premium	5,827	6,173	5,250	4,500	4,500	7,846	-
A51260	Incentive payments	-	79,958	-	-	-	-	-
A51310	Cell Phone Allowance	-	-	-	-	-	-	3,800
AH5X Personnel		6,568,169	6,479,195	6,247,473	6,889,123	6,889,123	6,413,535	7,240,008
A61010	Office Supplies	25,532	25,654	19,217	26,500	26,500	18,512	27,150
A61020	Computer Supplies	7,609	8,772	7,911	10,000	10,000	2,906	11,200
A61030	Books Manuals And Periodicals	357	1,990	597	5,350	5,350	409	5,200
A61040	Operational Supplies	185,909	-204,916	-87,956	271,800	276,713	58,903	103,500
A61060	Clothing And Uniforms	35,553	47,111	40,217	43,965	43,965	29,561	44,795
A61080	Food and Provisions	-	547	412	3,195	3,195	258	3,310
A61090	Printing and Photographic Supplies	676	2,536	1,944	3,200	3,200	347	3,460
A61100	Communication Supplies	2,639	7,478	1,188	3,300	3,300	3,289	6,660
A61120	Outreach Supplies	-	-	103	-	-	-	-
A62010	Medical Supplies	6,307	7,965	7,288	7,400	7,400	7,347	7,850
A63010	Building, Grounds Maintenance Supplies	115,903	62,096	54,032	124,400	124,400	32,997	141,900
A63020	Cleaning Supplies	17,721	24,727	23,997	6,550	6,550	4,303	6,750
A63040	Housekeeping Supplies	23,491	13,742	12,694	17,350	17,350	11,395	18,650
A65010	Chemical Supplies	315,550	401,453	451,348	491,400	491,400	446,058	483,400
A65020	Laboratory Supplies	121,560	130,142	169,337	170,000	170,000	125,628	245,000
A65030	Highway Materials	-	1,524	2,337	-	-	-	-
A65050	Engineering Supplies	-	109	-	250	250	218	500
A65060	Sign And Safety Supplies	58,934	70,903	58,371	34,000	34,000	33,584	35,800
A65070	Automotive Parts	52,892	37,920	47,474	48,500	48,500	11,403	50,500
A65090	Gasoline	63,159	65,564	77,544	83,320	83,320	63,829	81,000
A65100	Diesel Fuel	46,008	56,442	61,823	59,474	59,474	41,042	67,390
A65110	Lubricants	13,603	15,163	19,112	23,100	23,100	7,909	33,900
A65115	Heating Fuel	4,082	4,881	6,450	6,000	6,000	8,787	6,200
A65130	Small Tools	31,863	75,807	49,230	21,450	21,450	16,162	18,250
A65135	Hardware Supplies	6,300	1,200	6,064	5,300	5,300	5,797	6,000
A65140	Electrical Parts	329,256	168,861	184,793	163,750	212,426	196,871	199,650

Lake County Expense Budget Comparison Report - Five Year History

F610 Public Works

Acct Code	Account Description	Recognized Amount FY2016	Recognized Amount FY2017	Recognized Amount FY2018	Adopted Budget FY2019	Modified Budget FY2019	Y-T-D Recognized FY2019	Budget FY2020
A65150	Plumbing Supplies	221,045	95,141	97,624	189,700	189,700	48,048	209,700
A65160	Paints, Solvents and Related Supplies	6,211	5,925	7,655	11,250	11,250	3,177	11,300
A65170	Mechanical Parts and Supplies	388,559	371,748	220,200	346,550	346,550	229,489	309,799
A65175	Meter Parts and Supplies	4,390	22,237	5,371	10,000	10,000	10,353	20,000
A65180	Miscellaneous Commodities	4,707	1,941	3,503	500	500	-	500
AH6X Commodities		2,089,814	1,524,662	1,549,882	2,187,554	2,241,143	1,418,581	2,159,314
A74080	H/L/D Employee Benefits	1,577,420	1,493,141	1,292,038	1,492,462	1,492,462	1,287,272	1,252,817
A74100	Retirement Benefits/FICA	423,412	480,802	469,148	527,028	527,028	478,624	554,162
A74110	Retirement Benefits/IMRF	1,404,063	1,229,905	617,176	535,172	535,172	500,246	702,049
AH74X Benefits		3,404,895	3,203,848	2,378,362	2,554,662	2,554,662	2,266,142	2,509,028
A71110	Auditing And Accounting	35,000	43,610	94,448	75,000	75,000	47,000	75,000
A71120	Interpreters	-	-	100	-	-	-	-
A71140	Legal Services	121,163	61,045	30,470	105,000	134,407	41,568	105,000
A71150	Consultants	91,386	54,634	110,973	710,000	814,393	67,050	860,000
A71170	Engineering Services	325,951	414,513	280,602	775,000	1,965,853	247,989	2,135,000
A71190	Financial Services	492	542	557	5,000	5,000	1,285	5,000
A71200	Bank & Trust Services	82,364	85,046	91,074	90,000	90,000	79,686	90,000
A71220	Computer Services	7,400	7,400	-	20,000	20,000	-	20,000
A71230	Software & Online Services	156,811	157,177	182,649	332,795	334,483	217,184	488,450
A71310	Laboratory Fees	153,208	152,825	176,112	131,500	131,500	59,496	76,200
A71370	Reimbursable Charges	-	-	222	-	-	990	-
A71415	Recruitment	-	293	1,240	-	-	650	-
A71430	Tuition Reimbursement	-	-	-	4,300	4,300	-	4,000
A71450	Mileage Reimbursement	745	683	1,040	750	750	293	750
A71470	Employee Relations	1,955	2,606	2,218	2,325	2,325	1,474	2,550
A71500	Trips And Training	68,551	74,764	77,605	102,700	102,700	67,957	132,300
A71610	Pest Control	4,095	3,905	3,796	5,400	5,400	4,012	5,200
A71620	Laundry And Cleaning	6,393	8,238	5,996	36,890	36,890	29,067	35,730
A71630	Garbage Disposal	43,836	55,748	58,693	57,200	57,200	51,126	67,400
A71640	Bio Hazard Waste Disposal	5,147	3,060	1,159	-	-	-	3,200
A71650	Security Services	18,034	17,075	16,527	20,438	20,438	12,007	20,400
A71660	Biosolids Management Services	464,121	521,224	522,272	442,170	442,170	463,922	535,000
A71810	Dues And Subscriptions	20,061	81,427	13,441	85,750	85,750	76,993	88,650
A71840	Publications & Legal Notices	-	-	-	1,000	1,000	-	1,000
A71910	Gas For Heating	176,516	153,870	192,414	251,000	251,000	163,883	254,480
A71920	Electricity	1,775,995	1,862,134	1,748,702	1,995,597	1,995,597	1,691,095	1,725,507
A71930	Water And Sewer Charges	3,803	1,870	2,176	2,800	2,800	2,323	4,050
A71940	Telephone	52,397	62,914	72,027	78,500	78,500	84,201	93,600
A71950	Cellular Phones	33,610	32,074	29,566	31,188	31,188	33,592	47,700
A71955	Cell Phone Allowance	2,710	2,635	2,775	4,300	4,300	2,100	-
A71960	Data/Telecommunications	107,982	133,109	140,452	144,971	144,971	175,195	187,900

Lake County Expense Budget Comparison Report - Five Year History

F610 Public Works

Acct Code	Account Description	Recognized Amount FY2016	Recognized Amount FY2017	Recognized Amount FY2018	Adopted Budget FY2019	Modified Budget FY2019	Y-T-D Recognized FY2019	Budget FY2020
A71965	Radio Fees	-	1,446	4,632	4,632	4,632	4,464	4,632
A71970	Courier Services	7,767	9,387	6,445	4,500	4,500	3,429	6,000
A72140	Unemployment Compensation	12,960	5,310	5,310	5,310	5,310	5,310	5,374
A72170	Liability And Work Comp Insurance	467,136	400,000	400,000	400,000	400,000	400,000	401,678
A72210	Motor Vehicle Maintenance & Repairs	102,935	96,485	55,888	99,730	99,730	73,874	109,800
A72240	Radio Equipment Maintenance & Repair	-	600	-	1,000	1,000	-	1,500
A72250	Bldg & Grounds Maintenance & Repairs	750	-	5,897	-	-	4,375	-
A72260	Office Equip Maintenance And Repairs	858	3,227	-	5,700	5,700	-	5,700
A72280	Equipment Maintenance	204,556	243,968	252,432	329,340	329,340	207,752	330,591
A72290	Building and Storage Bins Maintenance & Repairs	45,905	104,905	65,325	113,967	113,967	43,030	95,072
A72300	Levee, Ground Pavement Maintenance & Repairs	672,577	295,019	299,700	475,800	475,800	260,813	686,045
A72310	Transmission and Distribution Mains Maintenance & Repairs	298,559	150,061	40,132	197,410	197,410	6,925	233,050
A72320	Water Storage Tank, Reservoir and Towers Maintenance & Repairs	19,433	220,028	7,480	201,837	206,637	53,695	62,700
A72330	Wells Maintenance & Repairs	43,000	110,567	124,935	330,000	363,065	51,574	210,000
A72340	Trunk and Lateral Sewer Maintenance & Repairs	27,356	-	-	102,500	102,500	29,999	102,500
A72350	Lift Stations/Pumping Stations Maintenance & Repairs	-	-	3,500	55,000	55,000	250	30,000
A72380	Interceptor Sewers Maintenance & Repairs	13,764	-	24,835	170,000	170,000	-	430,000
A72410	All Other Maintenance And Repairs	1,025	8,247	-	1,000	1,000	-	1,000
A72520	Record Storage	533	-	-	-	-	-	-
A72530	Equipment Rental	24,600	19,522	18,683	30,210	30,210	16,074	38,610
A72560	All Other Rentals	167,036	168,217	168,401	168,200	168,200	165,600	168,750
A72790	Transfers to Other Governments	60,000	-	60,000	-	-	-	-
A72810	Credit Card Fees	-	-	1	-	-	-	-
A72820	Postage	96,133	78,443	81,403	104,700	104,700	98,246	122,700
A72830	Printing Services	35,285	25,066	22,927	35,000	35,000	36,363	40,000
A72840	Temporary Employment Services	82,247	43,990	37,779	106,510	114,886	68,314	84,500
A72935	Permits and Licenses Expense	-	-	3,650	104,000	104,000	101,468	104,000
A73110	Wholesale Water Purchase	4,573,982	4,321,815	4,518,999	4,692,049	4,692,049	4,229,242	4,712,315
A73120	Wholesale Sewerage Treatment	8,053,320	8,809,762	9,576,006	10,225,245	10,225,245	9,688,662	10,526,676
A73160	Surveying and Mapping Services	16,531	16,488	14,830	20,000	20,000	14,814	20,000
A73170	Testing and Inspections Services	36,659	71,071	56,712	85,750	85,750	37,369	85,250
A73190	Bad Debt Expense	111,927	136,810	2,316	30,000	30,000	-	30,000
A73195	Indirect Cost Allocations	1,153,714	1,392,567	1,562,128	1,630,688	1,630,688	1,630,688	1,317,566
A73200	Public Works Refunds	7,048	144,437	-10,455	163,373	163,373	2,118	-
A75020	Real Estate Taxes	-	21	21	-	-	10	-
A76010	Revenue Bond Issue Costs	154,744	-	-	-	-	-	-
A79920	Transfers Other Funds	244,644	-	-	-	-	-	-
A79940	Miscell Contractual Services	3,870	44,914	2,135	50,000	50,000	486	50,000
A79950	All Other Miscellaneous	6,693	7,575	4,034	15,500	15,500	8,770	12,300
AH7X	Contractuals	20,507,276	20,924,369	21,275,386	25,470,525	26,843,107	20,865,849	27,092,376

Lake County Expense Budget Comparison Report - Five Year History

F610 Public Works

Acct Code	Account Description	Recognized Amount FY2016	Recognized Amount FY2017	Recognized Amount FY2018	Adopted Budget FY2019	Modified Budget FY2019	Y-T-D Recognized FY2019	Budget FY2020
A82010	Buildings And Structures	-	-	-	-	-	269	-
A83010	Motor Vehicles	-	-	-	-	390,000	93,371	245,000
A84010	Construction & Maintenance Equipment	-	-	-	31,000	175,000	136,186	320,000
A84030	Computer Equipment	4,858	-	-	-	-	-	-
A84040	Computer System Software	-	-	-	-	495,000	87,318	-
A84050	Laboratory Equipment	41,688	4,086	6,301	78,395	187,510	86,758	70,100
A84055	Safety Equipment	-	-	5,578	-	-	-	-
A84060	Furniture And Office Equipment	3,099	-	-	-	-	-	3,000
A84070	Engineering Equipment	-	17,195	-	-	-	4,545	-
A84100	Miscellaneous Equipment	-	165	4,828	-	18,000	29,538	17,700
A84105	Sewer Facility Misc Equipment	-	-	5,539	-	492,077	266,851	753,636
A84110	Water Facility Misc Equipment	-	-	-	-	-	71,813	30,000
A85010	Water/Wastewater Facility Construction	-	-	-	-	4,635,805	1,854,563	4,777,000
A85020	Roads & Road Constr & Maintenance	-	-95,985	-	-	-	17	-
A85060	Facility Improvements - non capitalizable	10,681	22,292	-	-	17,833	-	83,000
A85070	All Other Capital Outlay	-	-	-	-	14,491	14,490	-
A89920	Radios & Electronic Equipment- non capitalizable	4,758	-	-	1,200	1,200	-	1,200
A89925	Computer Equipment- non capitalizable	18,281	51,721	4,393	103,050	105,625	103,006	69,394
A89930	Computer System Software- non capitalizable	589	3,296	-	-	-	-	-
A89935	Laboratory Equipment- non capitalizable	6,213	6,137	3,063	4,000	4,000	6,120	-
A89940	Furniture & Office Equip Storage Containers- non capitalizable	10,815	14,663	10,766	7,100	7,100	1,760	6,900
A89950	Meters- non capitalizable	793	489	4,760	5,000	5,000	-	11,705
A89955	Fire Hydrants- non capitalizable	-	-	-	117,000	117,000	-	117,000
A89960	Miscellaneous Equipment- non-capitalizable	33,909	2,978	19,291	10,100	10,100	3,218	3,500
A89965	Facility Improvements - non capitalizable .	241,245	303,102	205,287	150,000	155,814	119,680	80,000
AH8X Capital Expenditures		376,929	330,137	269,806	506,845	6,831,555	2,879,502	6,589,135
A90010	Principal Payments	-	-	-	4,169,500	4,169,500	1,814,786	4,449,094
A90020	Interest Payments	1,812,714	878,933	2,930,215	2,112,788	2,112,788	1,474,732	1,982,911
A91020	Depreciation Expense	8,802,209	9,005,854	9,035,351	-	-	-	-
AH9X Debt Service		10,614,923	9,884,786	11,965,566	6,282,288	6,282,288	3,289,518	6,432,005
AH9X Total Expenses		43,562,006	42,346,998	43,686,475	43,890,997	51,641,878	37,133,127	52,021,866

