

**CITY OF OBERLIN  
CAPITAL  
2021**

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CITY OF OBERLIN									
6 YEAR CAPITAL IMPROVEMENT/OPERATING BUDGET									
INCOME TAX FUND - 112									
Multi-year Budget Projections		Projection			Projection	Projection	Projection	Projection	Projection
		Year	SRF	General	Year	Year	Year	Year	
		2021	2021	Fund	2022	2023	2024	2025	2026
									Total
BEGINNING BALANCE		760,000			6,648	11,644	5,962	11,045	21,192
Revenues									
1	Income Tax Receipts	2,242,000			2,275,630	2,309,764	2,344,411	2,379,577	2,415,271
2	Oberlin College-Fire Apparatus Contribution-thru 2023	31,000			31,000	31,000	0	0	0
3	Oberlin College-New Fire Apparatus Contribution (33%)	TBD			72,600	72,600	72,600	72,600	72,600
4	AFG Communications Equipment Grant	110,796			0	0	0	0	0
5	Storm Sewer Jet Truck Trade in/sale	75,000			0	0	0	0	0
6	Wright Park/Johnston Path-Est Granting sources (Green Edge fund)	26,021			0	0	0	0	0
TOTAL REVENUES		2,484,817			2,379,230	2,413,364	2,417,011	2,452,177	2,487,871
Expenditures									
Contingency/Miscellaneous									
7	Capital Contingency	40,000			50,000	50,000	50,000	50,000	50,000
8	Collection Fee	33,630			34,134	34,646	35,166	35,694	36,229
9	Purchase Nissan Leaf at end of Lease - Planning Div	15,000			0	0	0	0	0
10	Contractual Contingency	25,000			25,000	25,000	25,000	25,000	25,000
Building Improvements/Construction									
11	City Hall - reroof over OPD and Court	8,000	2,000		0	0	0	0	0
12	69 S. Main St - Windows	45,000			0	0	0	0	0
13	Morgan St. Old Waterworks	235,000			0	0	0	0	0
14	OURC Phase 3C - Basement Repair	80,000			0	0	0	0	0
15	Building Improvements	0			100,000	100,000	100,000	100,000	100,000
Police									
16	Cruisers - 1 or 2, alternating (2 Hybrids for 2021)	111,291	10,000		140,000	70,000	145,000	75,000	150,000
17	Lasershot training simulator	13,373			0	0	0	0	0
18	Misc Equipment	0			10,000	10,000	10,000	10,000	10,000
Fire									
19	Fire-Personnel Veh	0			0	0	0	60,000	0
20	Rescue Truck - TBD awaiting OC Contribution	TBD			0	0	0	0	0
21	Gray Water pump 75% SRF/foyer floor/vegetative roof 75% SRF	0	22,500	15,222	0	0	0	0	0
22	AFG Communications Grant (city share \$12,311.62)	123,106			0	0	0	0	0
23	Server (ACC)	7,015			0	0	0	0	0
24	Cardiac monitors (2)	61,150			61,150	61,150	61,150	61,150	61,150
25	Fire - Equip Reserve Transfer	0			80,000	80,000	80,000	100,000	100,000
26	Fire Ladder Truck Replacement-TBD awaiting OC Contribution	TBD			0	0	0	0	0



CITY OF OBERLIN										
6 YEAR CAPITAL IMPROVEMENT/OPERATING BUDGET										
INCOME TAX FUND - 112										
Multi-year Budget Projections		Projection	SRF 2021	General Fund	Projection	Projection	Projection	Projection	Projection	
		Year			Year	Year	Year	Year		
		2021			2022	2023	2024	2025	2026	Total
	Streets - Maintenance									
27	Storm Sewers - transfer to enterprise fund	244,000			244,000	244,000	244,000	244,000	244,000	1,464,000
28	Street Improv - OPWC Park/Grafton local share	191,802			420,000	740,000	650,000	675,000	700,000	3,376,802
29	Street Improv - Colony/Hawthorne	295,000			0	0	0	0	0	295,000
30	Street Improv - Washington/Monroe	555,000			0	0	0	0	0	555,000
31	Sidewalks (transfer to sidewalk fund)	10,000			0	0	0	0	0	10,000
32	Pavement Maintenance	0			80,000	80,000	80,000	80,000	80,000	400,000
33	City Hall Parking lot	0			210,000	0	0	0	0	210,000
34	Computer Software & Hardware	65,000			45,000	45,000	45,000	45,000	45,000	290,000
	Streets - Equipment									
35	Miscellaneous Equipment	0			20,000	20,000	20,000	20,000	20,000	100,000
36	Streets and State Highway Equip Reserve Transfer	68,000			90,000	90,000	90,000	90,000	90,000	518,000
	Parks/Cemetery									
37	Parks Equip Reserve transfers	20,000			20,000	20,000	20,000	20,000	20,000	120,000
38	Cemetery Equip Reserve transfers	20,000			20,000	20,000	20,000	20,000	20,000	120,000
39	Wright Park Path Improvement and Spring St. Parking (city match)	152,400	TBD		0	0	0	0	0	152,400
40	Morgan St. Reservoirs Alt 2	300,000			0	0	0	0	0	300,000
41	Cemetery Improvements - Windows at Zavodsky House	12,000			0	0	0	0	0	12,000
	Subtotal Expenditures/Projects	2,730,767	34,500	15,222	1,649,284	1,689,796	1,675,316	1,710,843	1,751,379	11,257,107
	Debt									
42	City Services Garage - (exp 2027)	195,962			196,031	196,031	199,393	195,530	198,299	1,181,246
43	N. Professor Resurf. OPWC Loan - (exp 2021)	1,970			0	0	0	0	0	1,970
44	N. Pleasant/Walnut OPWC Loan - (exp 2029)	15,255			15,255	15,255	15,255	15,255	15,255	91,533
45	Woodland, Union, N. Professor - (exp 2026)	11,600			11,600	11,600	11,600	11,600	11,600	69,600
46	S. Professor OPWC Loan - (exp 2033)	9,907			9,907	9,907	9,907	9,907	9,907	59,443
47	W. College St. - (exp 2037)	5,527			5,527	5,527	5,527	5,527	5,527	33,161
48	Oberlin-Elyria Rd. OPWC Loan -(exp 2036)	2,290			2,290	2,290	2,290	2,290	2,290	13,738
49	EST OPWC Loans for anticipated projects	5,490			5,490	5,490	5,490	5,490	5,490	32,940
50	Fire Rescue and Ladder Truck (exp TBD)	0			220,000	220,000	220,000	220,000	220,000	1,100,000
51	Fire Station debt service (exp 2030)	259,400			258,850	263,150	267,150	265,588	268,600	1,582,738
	Subtotal Debt	507,402			724,950	729,250	736,612	731,187	736,968	4,166,369
TOTAL EXPENDITURES		3,238,169	34,500	15,222	2,374,234	2,419,046	2,411,928	2,442,030	2,488,347	15,423,476
	Subtotal Excluding Beginning Balance	(753,352)			4,996	(5,682)	5,083	10,147	(476)	
BALANCE		6,648			11,644	5,962	11,045	21,192	20,716	

**City of Oberlin**  
**Public Works Department – Equipment Reserve Fund**  
**2021 Capital Budget Requests**

**EQUIPMENT RESERVE FUND 804.** This equipment reserve fund is shared by the City's non-Enterprise Fund Departments and Divisions including Police, Fire, Finance as well as B&G and GMD in the Public Works Department. It is funded primarily through transfers within the General Fund and Income Tax Capital Improvement Fund budgets.

**Buildings & Grounds Division**

The projected Equipment Reserve Fund 804 balance forward for B&G is \$131,291.62. In 2021, we propose to allocate \$68,500 as follows:

<u>(2) 48" Zero Turn Mowers</u>	<u>\$16,000</u>
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To replace two existing similar mowers that are nearing the end of their useful lives. Especially useful in Westwood Cemetery because of their maneuverability.

<u>Chipper</u>	<u>\$35,000</u>
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The proposed replacement of a 1986 Woodchuck chipper that was transferred from the General Maintenance Division to B&G at least 15 years ago. The Woodchuck chipper

<u>Electric Utility Vehicle w/ Attachments</u>	<u>\$17,500</u>
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In 2020, we postponed the replacement of a 2007 Ford F250 pick-up truck while we continue to evaluate the emerging EV truck market. It continues to be premature to budget for an EV pick-up. The electric utility vehicle (ATV) market has evolved to include work vehicles such as those used on the OC campus. We can achieve much of the same utility as a pick-up truck and meet CAP goals with this proposed purchase.

For 2021, \$40,000 is budgeted to transfer into the B&G equipment reserve. Based on the transfer and these budgeted expenses, the 2022 balance forward is anticipated to be \$102,791.62.

**General Maintenance Division**

The projected Equipment Reserve Fund 804 balance forward for GMD is \$376,217.04. In 2021, we propose to allocate \$135,000 as follows:

<u>F-550 or Equivalent with Hooklift</u>	<u>\$115,000</u>
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Replacement of a 2004 F-550, 1 ½ ton work truck outfitted with the hooklift system. This vehicle has about 9,500 operating hours on it. The front end is compromised from years of plow service. Our mechanics report extensive corrosion on the frame and body.

<u>Liquid Anti-Icing System</u>	<u>\$20,000</u>
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Hook-lift mounted 1,065 gallon brine tank with spray bar and controls. Application of liquid de-icer will allow us to pre-apply brine before the storm arrives. Since the liquid "sticks" at the point of application, more de-icer will stay on the road with less run-off.

For 2021, \$80,000 is budgeted for GMD equipment reserve transfers. Based on this transfer and these budgeted expenses, the 2022 balance forward is anticipated to be \$321, 217.04.



**Oberlin Municipal Light and Power System  
2021 Capital Budget Commentary  
FUND 801**

**Administration Division - \$115,000**

**1) *Sustainable Reserve Program - \$115,000***

This budget includes the use of sustainable reserve program funds for a number of energy efficiency related activities including:

- \$60,000 for yet to be determined municipal electrical energy efficiency projects;
- \$40,000 to fund Oberlin's Super Rebate programs; and,
- \$15,000 to install an EV charging station.

**Generation Division - \$347,000**

**1) *Engine/Generator #4 Control Panel Replacement - \$300,000***

The control panel for generator #4 has been found to be obsolete with parts not available to repair it if needed. The unit will be out of service for peak shaving if the control panel would fail. The engineering for the project is to be completed in 2019 and this will provide for the replacement panel, installation and programming.

**2) *Engine #2 Intercooler Recondition - \$16,000***

The intercooler on Engine #2 was found leaking coolant during normal maintenance inspections during the peaking season. If it had not been discovered early the coolant would have contaminated the oil causing considerable damage to the engine. The intercooler will be removed by plant mechanics and delivered to a company that reconditions these units. Once reconditioned plant mechanics will reinstall the intercooler.

**3) *Tools and Equipment - \$15,000***

This will provide for tools and equipment as needed to work on and keep these older engines in the generation plant running.

**4) *Liners for Engines #6 and/or #8 - \$16,000***

These liners will fit both engines #6 and #8 and are no longer available new. The plant superintendent watches for available used liners and purchases them either reconditioned or purchases them as and has them reconditioned.

**Distribution Division - \$273,600**

**1) *Backyard Aerial Lift - \$223,000***

Oberlin has aging rear lot lines on both the east and west side of town. These poles and lines are hard to access through backyards and some of the poles are unsafe to climb. This aerial lift will allow the linemen to access the poles and lines over top of garages, sheds and landscaping safely. This means easier access to reduce trouble outage time and

provides the means to rebuild these rear lot line areas in the future.

2) ***West Side 4kV Upgrade - \$20,000***

This will be used for upgrading an area on the west side consisting of Glenhurst, Colony, Fairway and part of Morgan St. from the old 4 kV primary system to the current 12.47 kV primary. This upgrade will include pole replacements, new conductors and new transformers.

3) ***South Pleasant St. Upgrade Project – \$5,000***

Replacement of an aging 3-phase, 12 kV Hendrix spacer cable distribution system on this section of this east side circuit which includes much of East Lorain St. The original Hendrix spacer cable is over 35 years old and in poor condition with cracked high voltage insulation resulting in electrical contact faults and outages. The East Lorain St. section of spacer cable was replaced in 2019.

4) ***AED Units Upgrades - \$18,000***

The AED (Automated External Defibrillators) are located on trucks in the field and within the OMLPS buildings as safety equipment recommended in the electric industry. They are used to jump start the heart in the case of a high voltage electrical shock. The units need to be replaced due to expired batteries and obsolete units.

**Technical Services Division - \$660,000**

1) ***PSTO2 Breaker Installation - \$50,000***

Replacement and upgrade of the PSTO2 12.47 kV breaker in the plant substation. The breaker had been purchased previously but changing it out was pushed back due to the reconfiguration of the 4 kV circuit feeds in the plant substation. This will be for the engineering and commissioning of the older style breaker and increase the reliability of the circuits in the plant substation.

2) ***12 kV Recloser Purchase - \$25,000***

Purchase of a new recloser to replace the oldest recloser in the plant substation. The old recloser will be inspected and gone over to keep as an emergency use spare recloser.

3) ***Traffic Signal Upgrades - \$550,000***

The will be for the engineering, procurement and construction to rebuild the traffic signals with pedestrian crossing features at the West College/South Professor and West Lorain/South Professor intersections.

4) ***Cargo Van Replacement - \$35,000***

Replacement of a 2005 GMC cargo van. The current van is rusting and is becoming more costly to repair. This is the main work vehicle which carries tools, equipment and supplies for field work in the substations.



*Oberlin Municipal Light and Power System*  
*Electric Fund - Five Year Projection - Cash Basis*

**ELECTRIC FUND**

**ANNUAL EXPENSES AND BALANCES**

	<i>Actual</i> 2016	<i>Actual</i> 2017	<i>Actual</i> 2018	<i>Actual</i> 2019	<i>Projected Year End</i> 2020	<i>Projection</i> 2021	<i>Projection</i> 2022	<i>Projection</i> 2023	<i>Projection</i> 2024	<i>Projection</i> 2025	
<b>OPERATING FUND (704)</b>											
PRIOR YEAR CASH BALANCE	\$ 6,540,530	\$ 6,726,375	\$ 5,492,267	\$ 1,904,135	\$ 2,077,532	\$ 1,824,215	\$ 1,880,222	\$ 1,845,909	\$ 1,718,345	\$ 1,494,513	
<b>REVENUES</b>											
Electric Sales in \$	\$ 9,963,904	\$ 9,858,136	\$ 11,563,572	\$ 11,766,899	\$ 11,983,899	\$ 11,943,956	\$ 12,674,479	\$ 13,195,337	\$ 13,245,102	\$ 13,420,708	
Non-Operating Revenues	\$ 953,035	\$ 276,355	\$ 276,169	\$ 230,375	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	
Revenue Total	\$ 10,916,939	\$ 10,134,491	\$ 11,839,741	\$ 11,997,274	\$ 12,183,899	\$ 12,143,956	\$ 12,874,479	\$ 13,395,337	\$ 13,445,102	\$ 13,620,708	
<b>EXPENDITURES</b>											
Administration	\$ 1,131,630	\$ 1,102,745	\$ 3,804,410	\$ 1,098,442	\$ 1,218,290	\$ 1,200,366	\$ 1,236,377	\$ 1,273,468	\$ 1,311,672	\$ 1,351,023	3.00%
Plant O+M	\$ 580,149	\$ 633,688	\$ 674,213	\$ 624,737	\$ 755,689	\$ 747,085	\$ 769,498	\$ 792,582	\$ 816,360	\$ 840,851	3.00%
Purchase Power	\$ 6,189,148	\$ 6,312,610	\$ 7,665,401	\$ 7,586,900	\$ 7,738,313	\$ 7,415,261	\$ 8,115,424	\$ 8,605,231	\$ 8,623,234	\$ 8,766,347	
Distribution O+M	\$ 1,389,852	\$ 1,381,277	\$ 1,325,881	\$ 1,377,160	\$ 1,515,717	\$ 1,514,442	\$ 1,559,875	\$ 1,606,672	\$ 1,654,872	\$ 1,704,518	3.00%
Technical Services	\$ 440,315	\$ 438,279	\$ 457,968	\$ 486,638	\$ 559,207	\$ 560,795	\$ 577,619	\$ 594,947	\$ 612,796	\$ 631,180	3.00%
Operating Expense Total	\$ 9,731,094	\$ 9,868,599	\$ 13,927,873	\$ 11,173,877	\$ 11,787,216	\$ 11,437,949	\$ 12,258,793	\$ 12,872,901	\$ 13,018,934	\$ 13,293,918	
Operating Margin	\$ 1,185,845	\$ 265,892	\$ (2,088,132)	\$ 823,397	\$ 396,683	\$ 706,007	\$ 615,687	\$ 522,436	\$ 426,168	\$ 326,790	
Transfer to Capital Reserves (801)	\$ 1,000,000	\$ 1,500,000	\$ 1,500,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	
Current Year Margin	\$ 185,845	\$ (1,234,108)	\$ (3,588,132)	\$ 173,397	\$ (253,317)	\$ 56,007	\$ (34,313)	\$ (127,564)	\$ (223,832)	\$ (323,210)	
<b>704 Fund Balance</b>	<b>\$ 6,726,375</b>	<b>\$ 5,492,267</b>	<b>\$ 1,904,135</b>	<b>\$ 2,077,532</b>	<b>\$ 1,824,215</b>	<b>\$ 1,880,222</b>	<b>\$ 1,845,909</b>	<b>\$ 1,718,345</b>	<b>\$ 1,494,513</b>	<b>\$ 1,171,304</b>	
<b>CAPITAL RESERVE FUND (801)</b>											
PRIOR YEAR CASH BALANCE	\$ 1,893,418	\$ 2,253,925	\$ 3,562,935	\$ 4,529,427	\$ 4,964,986	\$ 5,036,986	\$ 4,491,386	\$ 4,691,386	\$ 4,891,386	\$ 5,091,386	
<b>REVENUES</b>											
Transfer from Operating Fund	\$ 1,000,000	\$ 1,500,000	\$ 1,500,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	
Non-Operating Income	\$ 38,974	\$ 470,278	\$ 618,699	\$ 331,131	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	
Revenue total	\$ 1,038,974	\$ 1,970,278	\$ 2,118,699	\$ 981,131	\$ 850,000	\$ 850,000	\$ 850,000	\$ 850,000	\$ 850,000	\$ 850,000	
<b>EXPENDITURES</b>											
Capital Expenditures	\$ 678,467	\$ 661,268	\$ 1,152,207	\$ 545,572	\$ 778,000	\$ 1,395,600	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	
Capital Expense Total	\$ 678,467	\$ 661,268	\$ 1,152,207	\$ 545,572	\$ 778,000	\$ 1,395,600	\$ 650,000	\$ 650,000	\$ 650,000	\$ 650,000	
Current Year Margin	\$ 360,507	\$ 1,309,010	\$ 966,492	\$ 435,559	\$ 72,000	\$ (545,600)	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	
<b>801 Fund Balance</b>	<b>\$ 2,253,925</b>	<b>\$ 3,562,935</b>	<b>\$ 4,529,427</b>	<b>\$ 4,964,986</b>	<b>\$ 5,036,986</b>	<b>\$ 4,491,386</b>	<b>\$ 4,691,386</b>	<b>\$ 4,891,386</b>	<b>\$ 5,091,386</b>	<b>\$ 5,291,386</b>	
<b>ELECTRIC FUND BALANCE</b>	<b>\$ 8,980,300</b>	<b>\$ 9,055,202</b>	<b>\$ 6,433,562</b>	<b>\$ 7,042,518</b>	<b>\$ 6,861,201</b>	<b>\$ 6,371,608</b>	<b>\$ 6,537,295</b>	<b>\$ 6,609,731</b>	<b>\$ 6,585,899</b>	<b>\$ 6,462,690</b>	
<b>AVERAGE RATES</b>											
Large Commercial	\$ 0.097	\$ 0.102	\$ 0.112	\$ 0.114	\$ 0.124	\$ 0.121	\$ 0.128	\$ 0.133	\$ 0.133	\$ 0.135	
Small Commercial	\$ 0.108	\$ 0.112	\$ 0.122	\$ 0.125	\$ 0.135	\$ 0.131	\$ 0.138	\$ 0.143	\$ 0.144	\$ 0.145	
Residential	\$ 0.109	\$ 0.113	\$ 0.123	\$ 0.129	\$ 0.142	\$ 0.136	\$ 0.144	\$ 0.149	\$ 0.149	\$ 0.150	
Average	\$ 0.105	\$ 0.109	\$ 0.119	\$ 0.123	\$ 0.134	\$ 0.129	\$ 0.137	\$ 0.142	\$ 0.142	\$ 0.143	

**Assumptions:**

Operating expense projected to increase in COS by 3.0% annually.

Purchase Power Costs determined by AMP capacity plans including transmission and peaking shaving credits from OMLPS plant and EDI LFG Plant #1 at 66% success rate.

**Notes:**

REC proceeds are included in 801 revenues

## City of Oberlin, Ohio

## Refuse Funds

	Actual	Actual	Budget	Projected	Projected	Projected	Projected	Projected	Annual % Increase Starting in 2021
	2018	2019	2020	2021	2022	2023	2024	2025	
			Note (6)		Note (7)				
<b>OPERATING - Fund 703</b>									
PRIOR YEAR CASH BALANCE	\$167,598.29	\$228,448.76	\$354,203.52	\$366,949.63	\$400,663.77	\$447,434.91	\$493,994.36	\$540,614.51	
<b>REVENUES</b>									
Refuse Fees - Residential	198,583.00	198,636.84	243,110.00	253,680.00	306,530.00	317,100.00	317,100.00	317,100.00	(11)
Refuse Fees - Commercial	494,015.51	500,142.90	500,142.90	520,981.19	542,688.74	565,300.77	588,854.97	613,390.59	(11)
Misc. Sales/Reimbursements	20,116.52	22,713.33	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	
Excess Trash	8,878.78	13,625.64	12,000.00	12,000.00	12,000.00	12,000.00	12,000.00	12,000.00	
Recycling Fees	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Levy Proceeds - Residential	243,712.89	242,079.64	243,777.00	243,777.00	243,777.00	243,777.00	243,777.00	243,777.00	
Levy Proceeds - Commercial	127,049.06	104,721.00	124,240.00	124,240.00	124,240.00	124,240.00	124,240.00	124,240.00	
Revenue Subtotal	\$1,092,355.76	\$1,081,919.35	\$1,143,269.90	\$1,174,678.19	\$1,249,235.74	\$1,282,417.77	\$1,305,971.97	\$1,330,507.59	
<b>EXPENDITURES</b>									
Payroll/Benefits	255,000.69	256,808.30	257,095.43	238,071.54	247,594.40	257,498.18	267,798.10	278,510.03	4.00%
Operating/Contractuals	238,481.13	220,602.09	293,258.00	281,422.67	292,679.58	304,386.76	316,562.23	329,224.72	4.00%
Residential Equip Reserve Transfer	133,665.00	0.00	(20,700.00)	4,000.00	64,200.00	50,800.00	37,500.00	24,400.00	
Comm & Other Rev Equip Reserve Transfer			115,000.00	150,000.00	145,000.00	165,000.00	175,000.00	175,000.00	
Veh Maint Transfer	77,637.51	77,362.78	59,183.40	71,318.34	72,744.71	74,199.60	75,683.59	77,197.26	2.00%
General Fund Transfer	52,992.75	54,617.79	54,095.96	57,163.50	58,733.91	62,461.79	64,120.89	65,298.60	(3)
Joint Facilities Transfer/Debt	71,437.00	60,838.00	69,591.00	68,488.00	68,512.00	68,512.00	69,687.00	69,687.00	(8)
Recycling Grant Transfer	197,291.21	273,400.00	300,000.00	250,000.00	250,000.00	250,000.00	250,000.00	250,000.00	
Misc Transfer	5,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	
Misc Capital	0.00	0.00	0.00	17,500.00	0.00	0.00	0.00	0.00	
Expense Subtotal	\$1,031,505.29	\$946,628.96	\$1,130,523.79	\$1,140,964.05	\$1,202,464.59	\$1,235,858.33	\$1,259,351.82	\$1,272,317.61	
Balance from Operations	\$60,850.47	\$135,290.39	\$12,746.11	\$33,714.14	\$46,771.14	\$46,559.44	\$46,620.15	\$58,189.98	
Balance Including PY Cash	\$228,448.76	\$363,739.15	\$366,949.63	\$400,663.77	\$447,434.91	\$493,994.36	\$540,614.51	\$598,804.49	
	\$228,448.76	\$363,739.15	\$366,949.63	\$400,663.77					



## City of Oberlin, Ohio

## Refuse Funds

	Actual	Actual	Budget	Projected	Projected	Projected	Projected	Projected	Annual % Increase Starting in 2021
	2018	2019	2020	2021	2022	2023	2024	2025	
			Note (6)		Note (7)				
<b>EQUIPMENT RESERVE - Fund 807</b>									
PRIOR YEAR CASH BALANCE	0.00	0.00	0.00	0.00	22,524.54	216,724.54	432,524.54	645,024.54	
<b>REVENUES</b>									
Operating Fund Transfer	133,665.00	0.00	94,300.00	154,000.00	209,200.00	215,800.00	212,500.00	199,400.00	
General Fund Advance/Insurance	240,775.46	240,775.46	146,475.46	15,000.00	0.00	0.00	0.00	0.00	
Recycling Fund Transfer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Revenue Subtotal	\$374,440.46	\$240,775.46	\$240,775.46	\$169,000.00	\$209,200.00	\$215,800.00	\$212,500.00	\$199,400.00	
<b>EXPENDITURES</b>									
General Fund Advance Repayment	374,440.46	240,775.46	240,775.46	146,475.46	15,000.00	0.00	0.00	0.00	
Commercial Packer Purchase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Residential Packer Purchase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Commercial Recycler Purchase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Residential Recycler Purchase	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Multi-Purpose Truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Building Replacement	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Misc.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Expense Subtotal	\$374,440.46	\$240,775.46	\$240,775.46	\$146,475.46	\$15,000.00	\$0.00	\$0.00	\$0.00	
Balance Current Year Only	\$0.00	\$0.00	\$0.00	\$22,524.54	\$194,200.00	\$215,800.00	\$212,500.00	\$199,400.00	
Balance Including PY Cash	\$0.00	\$0.00	\$0.00	\$22,524.54	\$216,724.54	\$432,524.54	\$645,024.54	\$844,424.54	
	\$0.00	\$0.00	\$0.00						

(3) 5% of prior year gross receipts per ord 90-14

(6) Budget year Cash Balance is Unencumbered Cash Balance, all other years are Actual Cash Balance - this is so rate calculation is not skewed by PY Encumbrances.

Actual Cash Balance (703) 363,739.15 less encumbrances of 9,535.63 = 354,203.52; (807) 0-0 = 0.

(7) New Levy begins, it will need to be decided whether to renew or replace the levy (next 2022) - replacement typically increases the revenue by raising the devalued millage to the original millage. (not always the case in a decreasing property)

(8) Debt Service started in 2008; Refinanced halfway through 2015

(11) Raising rates as follows:

Residential	0.00%	0.00%	33.33%	0.00%	25.00%	0.00%	0.00%	0.00%
Commercial	0.00%	0.00%	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%

## City of Oberlin, Ohio

## Water Fund Actual and Projections

	Actual 2018	Actual 2019	Budget 2020	Projection 2021	Projection 2022	Projection 2023	Projection 2024	Projection 2025	Annual % Increase Starting in 2022
			Notes (10) & (12)						
<b>OPERATING FUND (701)</b>									
PRIOR YEAR CASH BALANCE	\$1,120,023.33	\$1,133,287.95	\$1,255,345.54	\$1,255,144.58	\$1,251,200.59	\$1,246,537.02	\$1,241,167.96	\$1,235,061.83	
<b>REVENUES</b>									
Water Sales	1,969,846.96	1,992,021.43	2,050,122.06	2,109,917.28	2,171,456.54	2,234,790.68	2,299,972.08	2,367,054.60	
percentage increase	3.00%	2.50%	3.50%	3.50%	3.50%	3.50%	3.50%	3.50%	(1)
Other	31,185.65	31,408.51	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00	0.00%
Revenue Subtotal	\$2,001,032.61	\$2,023,429.94	\$2,070,122.06	\$2,129,917.28	\$2,191,456.54	\$2,254,790.68	\$2,319,972.08	\$2,387,054.60	
<b>EXPENDITURES</b>									
Payroll/Benefits	900,897.98	896,841.41	1,051,314.53	1,027,212.86	1,068,301.37	1,111,033.43	1,155,474.77	1,201,693.76	4.00%
Operating/Contractuals	333,317.93	356,557.11	462,461.17	460,563.23	478,985.76	498,145.19	518,071.00	538,793.84	4.00%
Reserve Fund Transfer	311,200.00	151,900.00	112,700.00	181,800.00	187,900.00	186,300.00	184,000.00	181,000.00	(2)
Veh Maint Transfer	23,874.98	28,520.68	25,798.16	32,901.42	33,559.45	34,230.64	34,915.25	35,613.56	2.00%
General Fund Admin Char	104,561.44	100,051.63	101,171.50	103,506.10	106,495.86	109,572.83	112,739.53	115,998.60	
Debt	295,877.66	295,877.66	295,877.66	295,877.66	295,877.66	295,877.66	295,877.66	295,877.66	(3)
Other Transfers	8,000.00	9,000.00	9,000.00	8,000.00	10,000.00	10,000.00	10,000.00	10,000.00	
Misc Capital	10,038.00	12,000.00	12,000.00	24,000.00	15,000.00	15,000.00	15,000.00	15,000.00	
Expense Subtotal	\$1,987,767.99	\$1,850,748.49	\$2,070,323.02	\$2,133,861.27	\$2,196,120.11	\$2,260,159.74	\$2,326,078.21	\$2,393,977.41	
Balance from Operations	\$13,264.62	\$172,681.45	(\$200.96)	(\$3,943.99)	(\$4,663.57)	(\$5,369.06)	(\$6,106.13)	(\$6,922.81)	
Balance Including PY Cash	\$1,133,287.95	\$1,305,969.40	\$1,255,144.58	\$1,251,200.59	\$1,246,537.02	\$1,241,167.96	\$1,235,061.83	\$1,228,139.01	(4)
	\$1,133,287.95	\$1,305,969.40							



## City of Oberlin, Ohio

**Water Fund Actual and Projections**

	Actual 2018	Actual 2019	Budget 2020 Notes (10) & (12)	Projection 2021	Projection 2022	Projection 2023	Projection 2024	Projection 2025	Annual % Increase Starting in 2022
<b>RESERVE FUND (802)</b>									
PRIOR YEAR CASH BALANCE	\$1,308,131.85	\$1,249,000.30	<b>\$780,496.82</b>	\$492,736.82	\$344,536.82	\$182,436.82	\$18,736.82	(\$147,263.18)	
<b>REVENUES</b>									
Transfer from Operating F	311,200.00	151,900.00	<b>112,700.00</b>	<b>181,800.00</b>	<b>187,900.00</b>	<b>186,300.00</b>	<b>184,000.00</b>	<b>181,000.00</b>	
O.W.D.A./EPA Loan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Misc.	599.60	7,738.68	0.00	0.00	0.00	0.00	0.00	0.00	
Revenue Subtotal	<u>\$311,799.60</u>	<u>\$159,638.68</u>	<u>\$112,700.00</u>	<u>\$181,800.00</u>	<u>\$187,900.00</u>	<u>\$186,300.00</u>	<u>\$184,000.00</u>	<u>\$181,000.00</u>	
<b>EXPENDITURES</b>									
Capital Improv	305,228.15	448,886.74	388,460.00	312,500.00	270,000.00	270,000.00	270,000.00	270,000.00	(5) & (11)
Vehicles and Equipment	65,703.00	133,607.00	12,000.00	17,500.00	80,000.00	80,000.00	80,000.00	80,000.00	(8)
Misc.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Expense Subtotal	<u>\$370,931.15</u>	<u>\$582,493.74</u>	<u>\$400,460.00</u>	<u>\$330,000.00</u>	<u>\$350,000.00</u>	<u>\$350,000.00</u>	<u>\$350,000.00</u>	<u>\$350,000.00</u>	
Balance Current Year	<u>(\$59,131.55)</u>	<u>(\$422,855.06)</u>	<u>(\$287,760.00)</u>	<u>(\$148,200.00)</u>	<u>(\$162,100.00)</u>	<u>(\$163,700.00)</u>	<u>(\$166,000.00)</u>	<u>(\$169,000.00)</u>	
Balance Including PY Cash	<u>\$1,249,000.30</u>	<u>\$826,145.24</u>	<u>\$492,736.82</u>	<u>\$344,536.82</u>	<u>\$182,436.82</u>	<u>\$18,736.82</u>	<u>(\$147,263.18)</u>	<u>(\$316,263.18)</u>	(6)
	\$1,249,000.30	\$826,145.24							

## City of Oberlin, Ohio

## Water Fund Actual and Projections

	Actual 2018	Actual 2019	Budget 2020	Projection 2021	Projection 2022	Projection 2023	Projection 2024	Projection 2025	Annual % Increase Starting in 2022
			Notes (10) & (12)						

## Assumptions:

Water consumption stays relatively constant.

The City strives to maintain a minimum of 65% of projected revenues as a year-end unencumbered cash balance (combined funds 701 and 802).

Wages and other expenses increase based on the percentages presented.

Capital needs stay consistent with the current projections.

## Footnotes:

(1) The percentage increases are driven by annual inflationary costs, maintaining a positive fund balance in the operating fund and a reasonable balance in the reserve fund, meeting the annual non-financed capital needs, and meeting the debt service for financed capital projects.  
Rate increase effective for 10 months of calendar year since new rate takes effect with bills rendered on or after Feb 1st.

(2) The reserve fund transfer is based on maintaining a reasonable balance in the reserve fund (see footnote 6.).

(3) The annual debt payments for the existing and new financed capital projects.

(4) The operating fund maintains a positive balance.

(5) Capital improvements within the reserve fund include those items that are not large enough that would require financing.

(6) The reserve fund maintains a reasonable balance.

(8) Estimate Only

(10) Budget year Cash Balance is Unencumbered Cash Balance, all other years are Actual Cash Balance - this is so rate calculation is not skewed by PY Encumbrances.

(11) Includes construction costs and related expenses of financed projects.

(12) Actual Cash Balance (701) 1,305,969.40 less encumbrances of 50,623.86 = 1,255,345.54; (802) 826,145.24 - 45,648.42 = 780,496.82

Operating Fund Balance	1,133,287.95	1,305,969.40	1,255,144.58	1,251,200.59	1,246,537.02	1,241,167.96	1,235,061.83	1,228,139.01
Reserve Fund Balance	1,249,000.30	826,145.24	492,736.82	344,536.82	182,436.82	18,736.82	(147,263.18)	(316,263.18)
<b>Total</b>	<b>2,382,288.25</b>	<b>2,132,114.64</b>	<b>1,747,881.40</b>	<b>1,595,737.41</b>	<b>1,428,973.84</b>	<b>1,259,904.78</b>	<b>1,087,798.65</b>	<b>911,875.83</b>
65% Percent of Projected Revenue			1,345,579.34	1,384,446.23	1,424,446.75	1,465,613.95	1,507,981.85	1,551,585.49
Meets Cash Reserves Guidelines Y/N			Y	Y	Y	N	N	N



City of Oberlin, Ohio										
<b>Water Department Debt</b>				Design						
				FS 390335-01	FS 390335-02					
		<b>Actual</b>	<b>Actual</b>	<b>Projected</b>	<b>Projected</b>					
	Issue	OPWC '93	OWDA '96	WTP Update	WTP Update					
		C1519	8009	2.000%	2.000%			<b>Annual</b>		
Year	Rate	0.000%	6.560%		5,106,018.00			<b>Total</b>	Year	
	Amount			(1)	(1)					
1999		7,391.20	173,306.28					180,697.48	1999	
2000		7,391.20	173,306.28					180,697.48	2000	
2001		7,391.20	173,306.28					180,697.48	2001	
2002		7,391.20	173,306.28					180,697.48	2002	
2003		7,391.20	173,306.28					180,697.48	2003	
2004			173,306.28					173,306.28	2004	
2005			173,306.28					173,306.28	2005	
2006								0.00	2006	
2007				95,106.42				95,106.42	2007	
2008								0.00	2008	
2009				0.00				0.00	2009	
2010				0.00	307,082.92			307,082.92	2010	
2011				0.00	307,082.92			307,082.92	2011	
2012				0.00	307,082.92			307,082.92	2012	
2013				0.00	262,261.88			262,261.88	2013	
2014				0.00	295,877.66			295,877.66	2014	
2015				0.00	295,877.66			295,877.66	2015	
2016				0.00	295,877.66			295,877.66	2016	
2017				0.00	295,877.66			295,877.66	2017	
2018				0.00	295,877.66			295,877.66	2018	
2019				0.00	295,877.66			295,877.66	2019	
2020				0.00	295,877.66			295,877.66	2020	
2021				0.00	295,877.66			295,877.66	2021	
2022				0.00	295,877.66			295,877.66	2022	
2023				0.00	295,877.66			295,877.66	2023	
2024				0.00	295,877.66			295,877.66	2024	
2025				0.00	295,877.66			295,877.66	2025	
2026				0.00	295,877.66			295,877.66	2026	
2027				0.00	295,877.66			295,877.66	2027	
2028				0.00	295,877.66			295,877.66	2028	
2029					295,877.66			295,877.66	2029	
2030								0.00	2030	
		36,956.00	1,213,143.96	95,106.42	5,917,553.20			7,262,759.58		
(1) That's B&N's construction budget (including contingency) + engineering. Design loan combined into design/construction loan.										
Initial payment in 2007 for design loan amortized on a 5 year basis - remainder combined with construction loan amortized over 20 years										

Capital Budget Summary									
<b>Water Department</b>									
	2021	2021	2021	2022	2022	2022	2023	2023	2023
	Loan	Cap Reserve	Equip Res	Loan	Cap Reserve	Equip Res	Loan	Cap Reserve	Equip Res
	Polaris Ranger EV		17,500.00						
					TBD	80,000.00		TBD	80,000.00
<b>Equipment Subtotal</b>			<b>17,500.00</b>			<b>80,000.00</b>			<b>80,000.00</b>
	Roof replacement								
		250,000.00							
	SCADA for pump station								
		22,500.00							
	S. Pleasant service reconnection								
		40,000.00							
				TBD	270,000.00		TBD	270,000.00	
<b>Totals</b>	<b>0.00</b>	<b>312,500.00</b>	<b>17,500.00</b>	<b>0.00</b>	<b>270,000.00</b>	<b>80,000.00</b>	<b>0.00</b>	<b>270,000.00</b>	<b>80,000.00</b>
Loan 1									
Loan 2									
Loan 3									
Loan 4									
Loan 5									
Loan 6									
	<b>0.00</b>			<b>0.00</b>			<b>0.00</b>		
<b>Loan Plus Reserve Capital</b>	<b>312,500.00</b>			<b>270,000.00</b>			<b>270,000.00</b>		

## 2021 WATER DIVISION CAPITAL BUDGET REQUESTS

**Reserve Fund #802 Total: \$330,000**

### WTP Roof Replacement \$250,000

Re-budgeted from 2020 due to the increased cost of the East College St. Water Main Replacement Project. The WTP was built in 1959-1960. It appears that the first roof, over the concrete deck was a built-up roof with hot-applied asphalt, 1" perlite and gravel. As that aged, a 2<sup>nd</sup> roofing system with 1 ½" of polystyrene insulation, fiberboard and a rubber roof was installed over the built-up roof. That system is now also failing. We propose to remove the existing roof systems, seal the concrete deck, add suitable insulation and a new EPDM or TPO roof membrane.

### SCADA for the Raw Water Pump Station \$22,500

ODNR has requested that the Water System add automated controls to the raw water pumps at the pump station on the West Branch of the Black River so as to avoid accidentally over-filling the Parsons Road Reservoir. This scenario is entirely implausible but we may have no choice but to comply.

### Electric ATV with Attachments, Polaris Ranger or Equivalent \$17,500

The ATV will provide improved access for inspection and maintenance around the Parsons Road Reservoir and on our off-road water line easements. This could also be accomplished with a 4-wheel drive pick-up truck but since the electric truck market is very much in its infancy, staff recommends a viable substitution that meets our Climate Action Plan goals.

### Water Distribution. South Pleasant St. Service Switchover \$40,000

South Pleasant St., from East College to East Vine has been historically served by a 4" water main on the east side of South Pleasant and supplemented by a newer 8" line on the west side under the sidewalk. During the construction of the East College St. Project, the 8" line was replaced and relocated to the street from East College to a mid-block crossing line to Main St., south of the Firelands building. Homes on the east side, north of Plum Creek were re-connected to this new line. The homes on the east side of South Pleasant, south of the Plum Creek are still served by the historic 4" line. We've had a number of failures, including under Plum Creek. This was fixed by installing new 4" valves on either side of the creek and effectively terminating the connection to the north. This project would transfer the house services to the 8" line on the west side of the street and abandon the old 4" main entirely. This project is consistent with our Water Distribution Strategic Plan.



## City of Oberlin, Ohio

## Wastewater Fund Actual and Projections

	Actual 2018	Actual 2019	Budget 2020	Projection 2021	Projection 2022	Projection 2023	Projection 2024	Projection 2025	Annual % Increase Starting in 2022
			Notes (10) & (12)						
OPERATING FUND (702)									
PRIOR YEAR CASH BALANCE	\$1,347,703.25	\$1,101,324.40	\$1,395,669.97	\$1,520,673.24	\$1,640,587.37	\$1,755,277.42	\$1,869,790.50	\$1,984,198.92	
REVENUES									
Sales	1,510,535.05	1,513,144.73	1,513,144.73	1,538,363.81	1,564,003.21	1,590,069.93	1,616,571.09	1,643,513.94	
percentage increase	0.00%	0.00%	0.00%	2.00%	2.00%	2.00%	2.00%	2.00%	(1)
Other	257,198.07	227,412.74	125,000.00	125,000.00	125,000.00	125,000.00	125,000.00	125,000.00	
Revenue Subtotal	\$1,767,733.12	\$1,740,557.47	\$1,638,144.73	\$1,663,363.81	\$1,689,003.21	\$1,715,069.93	\$1,741,571.09	\$1,768,513.94	
EXPENDITURES									
Payroll/Benefits	765,568.88	786,987.03	824,337.37	825,401.15	858,417.20	892,753.88	928,464.04	965,602.60	4.00%
Operating/Contractuals	270,547.65	233,814.80	335,045.15	337,476.41	350,975.47	365,014.49	379,615.06	394,799.67	4.00%
Reserve Fund Transfer	824,600.00	262,300.00	190,500.00	216,000.00	225,300.00	201,600.00	176,300.00	149,500.00	(2)
Veh Maint Transfer	13,408.26	15,620.29	11,747.07	14,020.88	14,301.30	14,587.32	14,879.07	15,176.65	2.00%
General Fund Admin Char	92,386.00	88,386.66	87,027.87	81,907.24	83,168.19	84,450.16	85,753.50	87,078.55	
Service Garage	22,055.00	18,782.00	21,484.00	21,144.00	21,151.00	21,151.00	21,151.00	21,151.00	(9)
Debt	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(3)
Other Transfers	11,000.00	10,000.00	20,000.00	20,000.00	6,000.00	6,000.00	6,000.00	6,000.00	
Misc Capital	14,546.18	0.00	23,000.00	27,500.00	15,000.00	15,000.00	15,000.00	15,000.00	
Expense Subtotal	\$2,014,111.97	\$1,415,890.78	\$1,513,141.46	\$1,543,449.68	\$1,574,313.15	\$1,600,556.85	\$1,627,162.67	\$1,654,308.47	
Balance from Operations	(\$246,378.85)	\$324,666.69	\$125,003.27	\$119,914.13	\$114,690.06	\$114,513.07	\$114,408.42	\$114,205.47	
Balance Including PY Cash	\$1,101,324.40	\$1,425,991.09	\$1,520,673.24	\$1,640,587.37	\$1,755,277.42	\$1,869,790.50	\$1,984,198.92	\$2,098,404.39	(4)
	\$1,101,324.40	\$1,425,991.09							

## City of Oberlin, Ohio

## Wastewater Fund Actual and Projections

	Actual 2018	Actual 2019	Budget 2020	Projection 2021	Projection 2022	Projection 2023	Projection 2024	Projection 2025	Annual % Increase Starting in 2022
<b>RESERVE FUND (803)</b>									
PRIOR YEAR CASH BALANCE	\$1,220,476.65	\$1,627,163.67	\$1,414,711.97	\$973,851.97	\$589,851.97	(\$704,848.03)	(\$823,248.03)	(\$966,948.03)	
<b>REVENUES</b>									
Transfer from Operating F	824,600.00	262,300.00	190,500.00	216,000.00	225,300.00	201,600.00	176,300.00	149,500.00	
O.W.D.A. Loan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Misc.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Revenue Subtotal	\$824,600.00	\$262,300.00	\$190,500.00	\$216,000.00	\$225,300.00	\$201,600.00	\$176,300.00	\$149,500.00	
<b>EXPENDITURES</b>									
Capital Improv	38,992.00	236,030.84	279,360.00	310,000.00	1,500,000.00	300,000.00	300,000.00	300,000.00	(5) & (11)
Vehicles and Equipment	378,920.98	156,704.45	352,000.00	290,000.00	20,000.00	20,000.00	20,000.00	20,000.00	(8)
Misc.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.00%
Expense Subtotal	\$417,912.98	\$392,735.29	\$631,360.00	\$600,000.00	\$1,520,000.00	\$320,000.00	\$320,000.00	\$320,000.00	
Balance Current Year	\$406,687.02	(\$130,435.29)	(\$440,860.00)	(\$384,000.00)	(\$1,294,700.00)	(\$118,400.00)	(\$143,700.00)	(\$170,500.00)	
Balance Including PY Cash	\$1,627,163.67	\$1,496,728.38	\$973,851.97	\$589,851.97	(\$704,848.03)	(\$823,248.03)	(\$966,948.03)	(\$1,137,448.03)	(6)
	\$1,627,163.67	\$1,496,728.38							

## City of Oberlin, Ohio

**Wastewater Fund Actual and Projections**

	Actual 2018	Actual 2019	Budget 2020	Projection 2021	Projection 2022	Projection 2023	Projection 2024	Projection 2025	Annual % Increase Starting in 2022
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**Assumptions:**

Wastewater treated volume stays relatively constant.

The City strives to maintain a minimum of 65% of projected revenues as a year-end unencumbered cash balance (combined funds 702 and 803).

Wages and other expenses increase based on the percentages presented.

Capital needs stay consistent with the current projections.

**Footnotes:**

- (1) The percentage increases are driven by annual inflationary costs, maintaining a positive fund balance in the operating fund and a reasonable balance in the reserve fund, meeting the annual non-financed capital needs, and meeting the debt service for financed capital projects.  
Rate increase effective for 10 months of calendar year since new rate takes effect with bills rendered on or after Feb. 1st.
- (2) The reserve fund transfer is based on maintaining a reasonable balance in the reserve fund (see footnote 6.).
- (3) Annual debt payments for capital projects.
- (4) The operating fund maintains a positive balance.
- (5) Capital improvements within the reserve fund include those items that are not large enough that would require financing.
- (6) The reserve fund maintains a reasonable balance.
- (8) Actual may be \$50,000 in two years versus \$20,000 each year, or some other combination, depending on actual needs.
- (9) Contribution (construction and/or debt) towards the City Services Garage.
- (10) Budget year Cash Balance is Unencumbered Cash Balance, all other years are Actual Cash Balance - this is so rate calculation is not skewed by PY Encumbrance
- (11) Includes construction costs and related expenses of financed projects.
- (12) Actual Cash Balance (702) 1,425,991.09 less encumbrances of 30,321.12= 1,395,669.97; (803) 1,496,728.38 less encumbrances of 82,016.41= 1,414,711.97.

Operating Fund Balance	1,101,324.40	1,425,991.09	1,520,673.24	1,640,587.37	1,755,277.42	1,869,790.50	1,984,198.92	2,098,404.39
Reserve Fund Balance	1,627,163.67	1,496,728.38	973,851.97	589,851.97	(704,848.03)	(823,248.03)	(966,948.03)	(1,137,448.03)
<b>Total</b>	<b>2,728,488.07</b>	<b>2,922,719.47</b>	<b>2,494,525.21</b>	<b>2,230,439.34</b>	<b>1,050,429.39</b>	<b>1,046,542.47</b>	<b>1,017,250.89</b>	<b>960,956.36</b>
65% Percent of Projected Revenue			1,064,794.07	1,081,186.48	1,097,852.08	1,114,795.45	1,132,021.21	1,149,534.06
Meets Cash Reserves Guidelines Y/N			Y	Y	N	N	N	N



City of Oberlin, Ohio								
<b>Waste Water Debt</b>								
Excluding OWDA Loan 3923 for Current Improvements - Repayment anticipated through Income Tax								
		<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Actual</b>	<b>Actual</b>		
	Issue	OPWC '92	Rev '88/'94	Rev '88/'94	OWDA '79	OWDA '91		
		C1325	Bond	Trustee	1207	1807	<b>Annual</b>	
Year	Rate	0.000%	4 to 5.3%	Fee	5.500%	7.770%	<b>Total</b>	Year
	Amount							
1999		8,806.14	316,100.00	5,000.00	34,361.48	138,696.12	502,963.74	1999
2000		8,806.14	313,080.00	5,000.00	34,361.48	138,696.12	499,943.74	2000
2001		8,806.14	314,060.00	5,000.00	34,361.48	138,696.12	500,923.74	2001
2002		8,806.14	309,385.00	5,000.00	34,361.48	138,696.12	496,248.74	2002
2003			314,265.00	5,000.00	34,361.48	138,696.12	492,322.60	2003
2004			313,220.00	5,000.00	34,361.48	130,349.16	482,930.64	2004
2005			311,460.00	5,000.00	34,361.48	130,768.56	481,590.04	2005
2006			313,965.00	5,000.00	34,361.48	131,220.55	484,547.03	2006
2007			310,195.00	5,000.00	34,361.48	131,707.66	481,264.14	2007
2008			310,635.00	5,000.00	34,361.48	132,232.62	482,229.10	2008
2009					34,361.48	132,798.37	167,159.85	2009
2010					34,361.48	133,408.07	167,769.55	2010
2011					34,361.48	134,065.15	168,426.63	2011
2012					34,361.48	134,773.28	169,134.76	2012
2013					34,361.48	135,536.43	169,897.91	2013
2014					34,361.48	136,358.89	170,720.37	2014
2015					34,361.48	137,245.25	171,606.73	2015
2016						68,852.50	68,852.50	2016
2017							0.00	2017
2018							0.00	2018
2019							0.00	2019
2020							0.00	2020
2021							0.00	2021
2022							0.00	2022
2023							0.00	2023
2024							0.00	2024
2025							0.00	2025
2026							0.00	2026
2027							0.00	2027
2028							0.00	2028
2029							0.00	2029
2030							0.00	2030
		35,224.56	3,126,365.00	50,000.00	584,145.16	2,362,797.09	6,158,531.81	



## **2021 WASTEWATER DIVISION CAPITAL BUDGET REQUESTS**

**Reserve Fund #803: \$600,000**

### **RESERVE FUND 803 - WEPF**

Anaerobic Digester & Solids Handling Improvements Design Engineering \$125,000

Re-budgeted from 2020. Members may recall that the June, 2019 PUC meeting was held at the WEPF to foster a better understanding of these treatment processes (and the UV Disinfection System). City Council subsequently authorized the preliminary engineering contract with Burgess & Niple to develop recommendations and budgetary numbers to refurbish and/or build the necessary equipment to improve bio-solids treatment, create system redundancy and enhance energy re-capture. Preliminary design is underway. The budget provides the necessary funding for final design. Please note that the Wastewater 5-Year Budget includes a \$1.5 million placeholder for construction of these improvements in 2022.

Return Activated Sludge Room Improvements \$85,000

Funds are requested for piping improvements along with valve and pump replacement. This work has been considered under the preliminary engineering contract (above). It can proceed independently without additional design consultation.

Tank/Weir Repair \$100,000

Funds are requested for repair work to the two final clarifier tanks and their weirs to preserve and extend the useful life of these concrete structures.

High-efficiency Diesel Truck \$47,500

To replace a 2007 Toyota Tacoma. As above since the EV truck market is not fully developed, we recommend the purchase of a high performance diesel truck.

Alarm System Upgrades \$27,500

Repair, replacement and upgrade of the WEPF alarm system which covers multiple structures on site through a single annunciator panel which is no longer working properly/consistently.

### **RESERVE FUND 803 - SANITARY SEWER COLLECTION**

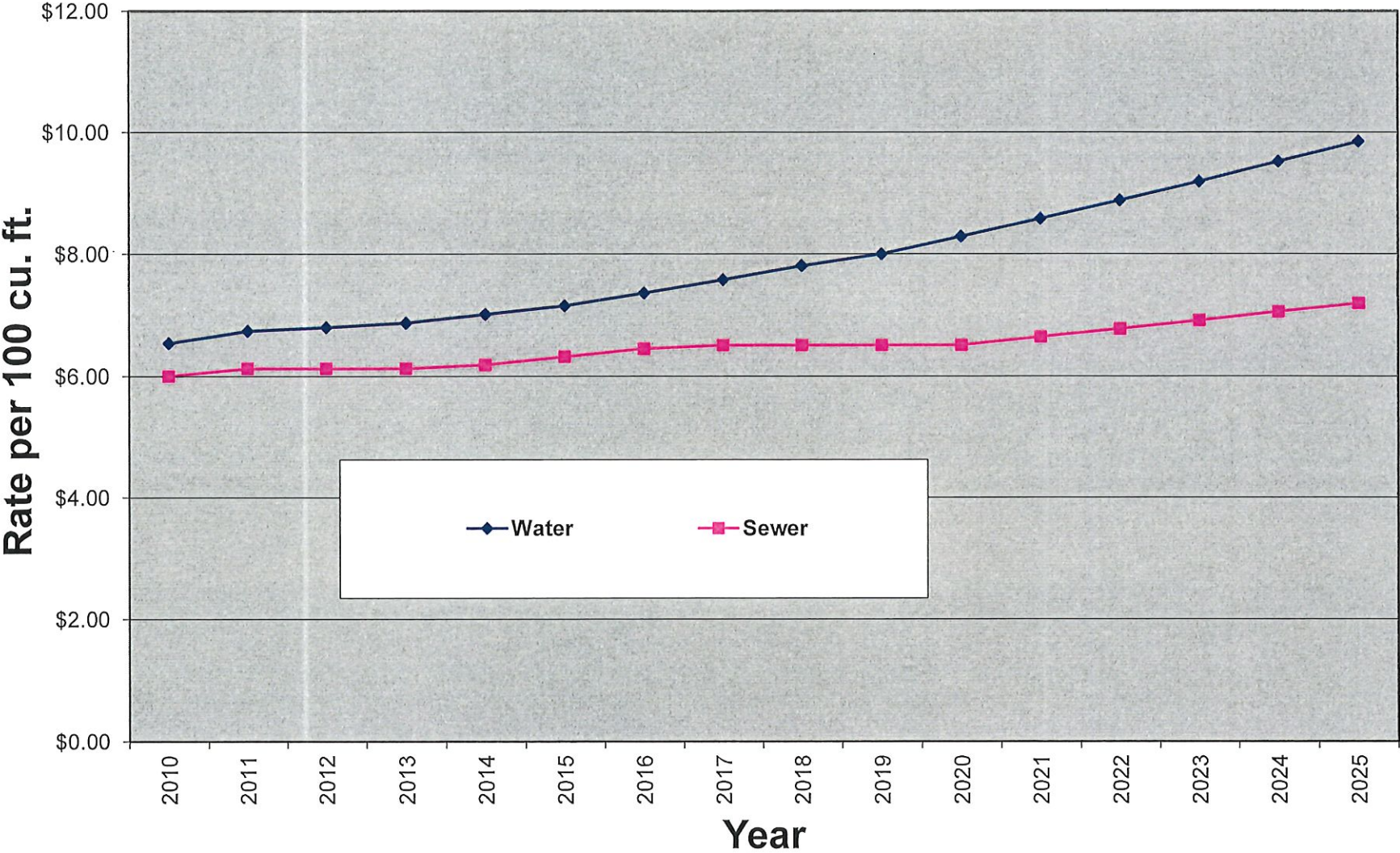
Hydro-Vac \$215,000

This is the wastewater share for the proposed replacement of our 2003 Vactor. This all-purpose vehicle is used for cleaning the sanitary and storm sewer systems. It is capable of vacuuming and jet cleaning the lines. It can also be used for hydro-excavating around utilities. GMD Superintendent Dawn Ferro recommends this purchase, along with the trade-in of the Vactor and our 2017 Jet Truck. The residual value of the Jet Truck, estimated at \$150,000 will be credited back to the Enterprise Fund.



City of Oberlin				
Water and Sewer Rate History and Projection				
	Water	Sewer	Water	Sewer
Year	Rate per 100 cu. ft.	Rate per 100 cu. ft.	% Increase	% Increase
	Water	Sewer		
1980	\$1.85	\$1.30		
1981	\$1.85	\$1.30	0.00%	0.00%
1982	\$1.85	\$1.30	0.00%	0.00%
1983	\$1.85	\$1.30	0.00%	0.00%
1984	\$1.85	\$1.30	0.00%	0.00%
1985	\$1.85	\$1.30	0.00%	0.00%
1986	\$2.45	\$2.11	32.43%	62.31%
1987	\$2.73	\$2.17	11.43%	2.84%
1988	\$2.73	\$2.17	0.00%	0.00%
1989	\$2.77	\$3.14	1.47%	44.70%
1990	\$3.02	\$3.74	9.03%	19.11%
1991	\$3.02	\$4.16	0.00%	11.23%
1992	\$3.02	\$4.05	0.00%	-2.64%
1993	\$3.02	\$4.05	0.00%	0.00%
1994	\$3.12	\$4.62	3.31%	14.07%
1995	\$3.12	\$4.62	0.00%	0.00%
1996	\$3.35	\$4.62	7.37%	0.00%
1997	\$3.58	\$4.84	6.87%	4.76%
1998	\$3.58	\$4.84	0.00%	0.00%
1999	\$3.58	\$4.84	0.00%	0.00%
2000	\$3.58	\$4.84	0.00%	0.00%
2001	\$4.23	\$4.84	18.16%	0.00%
2002	\$4.23	\$4.84	0.00%	0.00%
2003	\$4.99	\$5.23	17.97%	8.06%
2004	\$5.84	\$5.38	17.03%	2.87%
2005	\$5.93	\$5.55	1.54%	3.16%
2006	\$5.93	\$5.66	0.00%	1.98%
2007	\$6.02	\$5.77	1.52%	1.94%
2008	\$6.23	\$5.89	3.49%	2.08%
2009	\$6.35	\$5.95	1.93%	1.02%
2010	\$6.54	\$6.01	3.00%	1.00%
2011	\$6.74	\$6.13	3.00%	2.00%
2012	\$6.80	\$6.13	1.00%	0.00%
2013	\$6.87	\$6.13	1.00%	0.00%
2014	\$7.01	\$6.19	2.00%	1.00%
2015	\$7.15	\$6.32	2.00%	2.00%
2016	\$7.36	\$6.45	3.00%	2.00%
2017	\$7.58	\$6.51	3.00%	1.00%
2018	\$7.81	\$6.51	3.00%	0.00%
2019	\$8.00	\$6.51	2.50%	0.00%
2020	\$8.29	\$6.51	3.50%	0.00%
2021	\$8.58	\$6.64	3.50%	2.00%
2022	\$8.88	\$6.77	3.50%	2.00%
2023	\$9.19	\$6.91	3.50%	2.00%
2024	\$9.51	\$7.05	3.50%	2.00%
2025	\$9.85	\$7.19	3.50%	2.00%

**Water and Sewer Rates**  
**Actual through 2020**  
**Projected for 2021 through 2025**



**City of Oberlin, Ohio**  
**Monthly Residential Utility Costs**

**Minimum Residential Monthly Utility Bill**

	Projected Increase for 2018	2018	Projected Increase for 2019	2019	Projected Increase for 2020	2020	Projected Increase for 2021	2021	Projected Increase for 2022	2022	Projected Increase for 2023	2023	Projected Increase for 2024	2024	Projected Increase for 2025	2025
Water	3.00%	\$ 23.43	2.50%	\$ 24.00	3.50%	\$ 24.87	3.50%	\$ 25.74	3.50%	\$ 26.64	3.50%	\$ 27.57	3.50%	\$ 28.54	3.50%	\$ 29.54
Sewer	0.00%	\$ 19.53	0.00%	\$ 19.53	0.00%	\$ 19.53	2.00%	\$ 19.92	2.00%	\$ 20.32	2.00%	\$ 20.73	2.00%	\$ 21.14	2.00%	\$ 21.56
Refuse	0.00%	\$ 7.50	0.00%	\$ 7.50	33.33%	\$ 10.00	0.00%	\$ 10.00	0.00%	\$ 10.00	25.00%	\$ 12.50	0.00%	\$ 12.50	0.00%	\$ 12.50
Electric	0.00%	\$ 2.50	100.00%	\$ 5.00	50.00%	\$ 7.50	0.00%	\$ 7.50	0.00%	\$ 7.50	0.00%	\$ 7.50	0.00%	\$ 7.50	0.00%	\$ 7.50
<b>Total</b>	<b>1.32%</b>	<b>\$52.96</b>	<b>5.80%</b>	<b>\$56.03</b>	<b>10.48%</b>	<b>\$61.90</b>	<b>2.04%</b>	<b>\$63.16</b>	<b>2.06%</b>	<b>\$64.46</b>	<b>5.96%</b>	<b>\$68.30</b>	<b>2.02%</b>	<b>\$69.68</b>	<b>2.04%</b>	<b>\$71.10</b>

**Average Residential Monthly Utility Bill**

	Projected Increase for 2018	2018	Projected Increase for 2019	2019	Projected Increase for 2020	2020	Projected Increase for 2021	2021	Projected Increase for 2022	2022	Projected Increase for 2023	2023	Projected Increase for 2024	2024	Projected Increase for 2025	2025
Water	3.00%	\$ 39.05	2.50%	\$ 40.00	3.50%	\$ 41.45	3.50%	\$ 42.90	3.50%	\$ 44.40	3.50%	\$ 45.96	3.50%	\$ 47.56	3.50%	\$ 49.23
Sewer	0.00%	\$ 32.55	0.00%	\$ 32.55	0.00%	\$ 32.55	2.00%	\$ 33.20	2.00%	\$ 33.87	2.00%	\$ 34.54	2.00%	\$ 35.24	2.00%	\$ 35.94
Refuse	0.00%	\$ 7.50	0.00%	\$ 7.50	33.33%	\$ 10.00	0.00%	\$ 10.00	25.00%	\$ 12.50	0.00%	\$ 12.50	0.00%	\$ 12.50	0.00%	\$ 12.50
Electric	7.01%	\$ 91.56	3.47%	\$ 94.74	3.96%	\$ 98.49	0.39%	\$ 98.87	2.65%	\$ 101.49	2.96%	\$ 104.49	1.44%	\$ 105.99	0.00%	\$ 105.99
<b>Total</b>	<b>4.37%</b>	<b>\$170.66</b>	<b>2.42%</b>	<b>\$174.79</b>	<b>4.41%</b>	<b>\$182.49</b>	<b>1.36%</b>	<b>\$184.97</b>	<b>3.94%</b>	<b>\$192.26</b>	<b>2.72%</b>	<b>\$197.49</b>	<b>1.92%</b>	<b>\$201.29</b>	<b>1.18%</b>	<b>\$203.66</b>

Increase in Electric customer charge from \$2.50 to \$5 in 2019, then to \$7.50 in 2020 forward - based on approved rate study and resulting rate revisions

Average Water Based on 500 cuft (Minimums on 300 cuft)

Electric Average based on 750 kwh's



## **2021 STORM WATER FUND OPERATING BUDGET REQUEST**

### **Storm Water: Fund 709.8501: Collection - Operations.**

**Funding Request: \$382,358.57**

GMD Superintendent Dawn Ferro and her staff continue to be responsible for operation and maintenance of the storm sewer collection system. In April, 2019 Jennifer Reeves filled the new position of Storm Water Coordinator. Jennifer works under the supervision of City Engineer Randall Roberts. Engineering staff is responsible for NPDES permit compliance activities; coordination of services with the Lorain County Storm Water District; capital projects; and assisting in managing the City's Storm Water Utility.

Salaries and Benefits for Engineering and GMD personnel are budgeted on an estimated percentage basis in the 51000 and 52000 series.

Materials, equipment, and services are budgeted in the 53000, 54000 and 55000 series. Transfers and debt repayment are budgeted in the 57000 series. Significant line items include:

- Liability Insurance (54032). Calculated for 2021 based on 2020 re-valuation.
- Contractual Services (54033). \$32,000 for Lorain County Storm Water District services under our Co-Permittee agreement; \$12,500 for the storm sewer system share of the proposed GIS; and \$10,000 for other contractual services, TBD.
- Reserve Transfer (57010). No transfer is planned based on 2021 budgeted expenses from the Storm Water Reserve Fund (see descriptions below).
- Principal (57081). \$53,662.87 is the third of (5) annual, 0% interest payments to the District for consulting services provided during the planning and implementation of the City's storm water utility.

The proposed budget of \$382,385.57 is about 40% or \$350,000 less than the 2020 budget due to the Reserve transfer and the actual 2020 deployment of personnel.

### **RESERVE FUND 809 – STORM WATER**

**Reserve Fund #809 Project Total: \$379,700**

<u>Hydro-Vac</u>	<u>\$215,000</u>
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This is the storm water utility share for the proposed replacement of our 2003 Vactor. This all-purpose vehicle is used for cleaning the sanitary and storm sewer systems. It is capable of vacuuming and jet cleaning the lines. It can also be used for hydro-excavating around utilities. GMD Superintendent Dawn Ferro recommends this purchase, along with the trade-in of our Vactor and the 2017 Jet Truck. The residual value of the Vactor, estimated at \$50,000 will be credited back to the Enterprise Fund.

<u>Storm Sewer System and Drainage Improvements</u>	<u>\$164,700</u>
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Funds are allocated for storm sewer system and drainage improvements in conjunction with our proposed 2021 street projects on Park/Grafton, Colony/Hawthorne and Washington/Monroe as well as drainage improvements at Spring St. Park.



## MEMORANDUM

**To:** Members of City Council  
**Subject:** P.U.C. Budget Recommendations  
**From:** Cindy Simons, Secretary to PUC  
**Date:** November 6, 2020

On November 5, 2020, the members of the Public Utilities Commission met to discuss the 2021 Capital and Operation/Maintenance budgets for the Electric, Water, Wastewater, and Storm Water Departments.

### **Electric Department**

After review and discussion a motion was made by Richards and seconded by Elmer:

“The Public Utilities Commission approved, as discussed, the 2021 Electric Department’s capital and operation/maintenance budget proposals and recommend approval by City Council.”

Motion passed 4-0

### **Water Department**

After review and discussion a motion was made by Elmer and seconded by Richards:

“The Public Utilities Commission approved, as discussed, the 2021 Water Division’s capital and operations/maintenance budget proposals, including a 3.5% rate increase as presented by the Public Works Department and recommend approval by City Council.”

Motion passed 4-0.

### **Wastewater Department**

After review and discussion a motion was made by Richards and seconded by Elmer:

“The Public Utilities Commission approved, as discussed, the 2021 Wastewater Division’s capital and operation/maintenance budget proposals, this includes a 2% rate increase as presented by the Public Works Department and recommend approval by City Council.”

Motion passed 4-0.

### **Storm Water**

After review and discussion a motion was made by Elmer and seconded by Richards:

“The Public Utilities Commission approved, as discussed, the 2021 Storm Water Utility’s capital and operation/maintenance budget proposals and recommend approval by City Council.”

Motion passed 4-0.

cc: Rob Hillard, City Manager  
Kristin Peterson, PUC Liaison  
Doug McMillan, Electric Director  
Jeff Baumann, Public Works Director