

A Resolution to Recommend the Adoption of Utility Rates and 2024 Capital Improvement Projects

WHEREAS, the city of Toledo. Department of Public Utilities, provides water services to the following communities:

<i>Toledo</i>	<i>Sylvania</i>
<i>Fulton County</i>	<i>Maumee</i>
<i>Monroe County</i>	<i>Lucas County</i>
<i>Northwest Water & Sewer District</i>	<i>Perrysburg</i>
<i>Village of Whitehouse</i>	

WHEREAS, The Commission may submit a proposed water rate adjustment in writing, to the Clerk of Toledo's Council, based upon the cost necessary to provide water services throughout the Toledo water utility and to provide water service to the Contracting Communities, as required by the bylaws of the Toledo Regional Water Commission Article IV, Section 2.

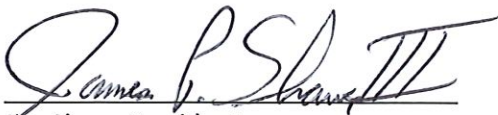
WHEREAS, The Commission shall annually review the Capital Improvement Budget of Toledo's water utility and may submit any amendments it deems necessary for the efficient and effective operation of the water utility to the Clerk of Toledo City Council, provided that the cost of any proposed capital expenditures is supported by the existing or projected water rates of Toledo and the Contracting Communities, as required by the bylaws of the Toledo Regional Water Commission Article IV, Section 2.

NOW, THEREFORE BE IT RESOLVED by the Commission members of the Toledo Regional Water Commission that the following rates increases shall apply to the current utility rate schedules for water as detailed in the rate schedule labeled "Attachment A" and will be attached to this resolution.

1. The effective date of all rate increases specified in this Resolution shall be determined by city of Toledo Ordinance approved by Toledo City Council.

AND BE IT FURTHER RESOLVED that the Commission members of the Toledo Regional Water Commission approve the 2024 Capital Improvement Budget and may review and submit any amendments it deems necessary. The approved Capital Improvement Budget is detailed in "Attachment B."

PASSED AND APPROVED this 15th day of November, 2023 by the Regional Water Commission.



Jim Shaw, President
Toledo Regional Water Commission

ATTEST:



Patekka Pope Bannister, Secretary
Toledo Regional Water Commission

Attachment A

Debt Service Table (Ret Whole Brddwn Tab)
11/15/2023

Project	2024	2025	2026	2027	2028	2029	2030	2031
Water Main Debt Service	1,005,206	1,007,187	1,009,234	1,011,347	562,713	112,450	112,450	106,450
Plant Debt Service	21,706,952	22,797,575	22,799,084	22,800,726	22,797,032	22,801,315	22,799,922	22,799,179
Ozone Treatment (WSRLA)	2,216,760	2,216,760	2,216,760	2,216,760	2,216,760	2,216,760	2,216,760	2,216,760
Basins 5 & 6 (OWDA)	1,129,118	1,129,118	1,129,119	1,129,119	1,129,119	1,129,119	1,129,118	1,129,119
Basins 1 through 4 (OWDA)	2,091,913	2,091,913	2,091,913	2,091,913	2,091,913	2,091,913	2,091,913	2,091,913
Filter and Pipe Gallery (WSRLA)	1,892,194	1,892,194	1,892,194	1,892,194	1,892,194	1,892,194	1,892,194	1,892,194
High Service PS (OWDA)	-	942,057	942,057	942,057	942,057	942,057	942,057	942,057
LSPS Carbon Feed (OWDA)	-	-	-	-	-	-	-	-
Bulk Alum Feed (OWDA)	-	-	-	-	-	-	-	-
Mun Revenue Bond (OWDA RF)	2,007,374	2,007,374	2,007,374	2,007,374	2,007,374	2,007,374	2,007,374	2,007,374
78" RWM Upgrade (OWDA)	-	346,353	346,353	346,353	346,353	9,159,870	11,932,478	11,932,478
Elevated Storage (OWDA)	-	134,349	134,349	134,349	2,796,065	4,658,727	4,658,727	4,658,727
Alt Water Source (OWDA)	-	-	-	-	-	-	-	-
Distrib PS & Control Str (OWDA)	-	-	-	-	-	-	-	-
Total Debt Service	32,049,516	34,564,879	34,568,434	34,572,190	36,781,578	47,011,777	49,782,993	49,776,249

Original	35,940,384	41,155,577	47,045,077	47,048,490	46,597,756	46,149,806	46,144,968	46,144,824
+/-	3,890,867	6,590,698	12,476,642	12,476,300	9,816,177	(861,972)	(3,638,025)	(3,631,425)
					45,250,686			(8,131,421)

Project	2024	2025	2026	2027	2028	2029	2030	2031
Water Main Debt Service	1,005,206	1,007,187	1,009,234	1,011,347	562,713	112,450	109,450	106,450
Plant Debt Service	24,314,081	25,405,131	25,403,781	25,405,081	25,402,981	25,405,294	25,403,456	25,406,312
WSRLA Ozone Treatment	2,238,589	2,238,589	2,238,589	2,238,589	2,238,589	2,238,589	2,238,589	2,238,589
OWDA Basins 5 & 6	1,119,385	1,119,385	1,119,385	1,119,385	1,119,385	1,119,385	1,119,385	1,119,385
OWDA Basins 1 through 4	2,510,434	2,510,434	2,510,434	2,510,434	2,510,434	2,510,434	2,510,434	2,510,434
OWDA Filter and Pipe Gallery	2,097,689	2,097,689	2,097,689	2,097,689	2,097,689	2,097,689	2,097,689	2,097,689
Mun Revenue Bond	2,655,000	2,655,000	2,655,000	2,655,000	2,655,000	2,655,000	2,655,000	2,655,000
OWDA Elevated Storage	-	4,122,162	4,122,162	4,122,162	4,122,162	4,122,162	4,122,162	4,122,162
OWDA Alt Water Source	-	-	5,888,803	5,888,803	5,888,803	5,888,803	5,888,803	5,888,803
Total Debt Service	35,940,384	41,155,577	47,045,077	47,048,490	46,597,756	46,149,806	46,144,968	46,144,824

Rate and Surcharge Summary

11/15/2023

Uniform Contracts

Rate per 1,000 cf	2024	2025	2026	2027	2028	2029	2030	2031
Toledo 1st Block	40.15	44.17	48.58	51.50	54.59	57.32	60.18	62.59
Toledo 2nd Block	22.35	24.59	27.05	29.75	31.02	34.42	35.93	36.70
Toledo Monthly Fixed	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.23
Lucas County 1st Block	40.15	44.17	48.58	51.50	54.59	57.32	60.18	62.59
Lucas County 2nd Block	30.00	24.59	27.05	29.75	31.02	34.42	35.93	36.70
Lucas Co Monthly Fixed	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.23
Sylvania	40.50	36.97	37.70	38.44	40.73	44.88	46.79	47.65
Monroe County	40.50	36.97	37.70	38.44	40.73	44.88	46.79	47.65
Wood Co (Ross, et al)	40.50	36.97	37.70	38.44	40.73	44.88	46.79	47.65
Fulton County	35.29	36.97	37.70	38.44	40.73	44.88	46.79	47.65
Whitehouse	35.29	36.97	37.70	38.44	40.73	44.88	46.79	47.65
Wholesale	35.29	36.97	37.70	38.44	40.08	44.88	46.79	47.65
Wood Co Main NWWSD	34.16	35.79	37.12	38.44	40.73	44.88	46.79	47.65
Maumee	33.51	35.24	36.78	38.44	40.73	44.88	46.79	47.65
Perrysburg	33.36	35.13	36.72	38.44	40.73	44.88	46.79	47.65

% Annual Rate Change	2024	2025	2026	2027	2028	2029	2030	2031
Toledo 1st Block	10.0%	10.0%	10.0%	6.0%	6.0%	5.0%	5.0%	4.0%
Toledo 2nd Block	10.0%	10.0%	10.0%	10.0%	4.3%	11.0%	4.4%	2.2%
Lucas County 1st Block	-2.1%	10.0%	10.0%	6.0%	6.0%	5.0%	5.0%	4.0%
Lucas County 2nd Block	-14.3%	-18.0%	10.0%	10.0%	4.3%	11.0%	4.4%	2.2%
Sylvania	-1.2%	-8.7%	2.0%	2.0%	4.3%	12.0%	4.3%	1.8%
Monroe County	-1.2%	-8.7%	2.0%	2.0%	4.3%	12.0%	4.3%	1.8%
Wood Co (Ross, et al)	-1.2%	-8.7%	2.0%	2.0%	4.3%	12.0%	4.3%	1.8%
Fulton County	-0.9%	4.8%	2.0%	2.0%	4.3%	12.0%	4.3%	1.8%
Whitehouse	-0.9%	4.8%	2.0%	2.0%	4.3%	12.0%	4.3%	1.8%
Wholesale	-0.9%	4.8%	2.0%	2.0%	4.3%	12.0%	4.3%	1.8%
Wood Co Main NWWSD	3.1%	4.8%	3.7%	3.6%	4.3%	12.0%	4.3%	1.8%
Maumee	3.8%	5.2%	4.4%	4.5%	4.3%	12.0%	4.3%	1.8%
Perrysburg	4.0%	5.3%	4.5%	4.7%	4.3%	12.0%	4.3%	1.8%

Attachment B



Public Utilities
Water Treatment

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Toledo, Ohio 43605
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fax 419-936-3053

→ toledo.oh.gov

DATE: November 9, 2023
TO: Toledo Regional Water Commission
Thru: Edward A. Moore, Director of DPU *EAM 11/15/23*
Andrew P. McClure P.E., Commissioner, Plant Operations *AMM 11/15/23*
FROM: Jacob Goetz, P.E., Professional Engineer
SUBJECT: **2023 Water CIP Report & 2024 CIP Plan**

The \$508MM Capital Improvement Program (CIP) at the Collins Park Water Treatment Plant continued with substantial progress through 2023. Planning has continued to develop for the upcoming Capital Improvement Program for the balance of the water system and 2024 will see the continued completion of projects at Collins Park while launching two significant upcoming design projects for the greater water system. The following sections outline the 2023 work and 2024 plans below:

Projects Completing in 2023:

Filter & Pipe Gallery Improvements – Project construction is now concluded. The \$38MM loan amount will be finalized with a reduction of \$4MM coinciding with final completion in December 2023. Filtration with the biologically active filters is supporting the ozone system well. Also, improved backwashing capabilities with air scour are demonstrating superior performance while reducing backwash waste water.

Basins 1-4 Upgrades – Punchlist work is ongoing and will conclude by calendar end of 2023. This \$43MM project was substantially complete in April 2023, providing fully redundant treatment trains and an increased rated capacity of 140MGD. Upon closeout and final completion at the end of 2023, an estimated \$1.3MM is expected to be reduced from the loan amount due to value engineering efforts during construction.

Projects Ongoing into 2024:

High Service Pumping Station – Work continues on pumps and motors in the High Service Pumping Station. A majority of the work on the piping and building envelop has been completed, but due to sequencing and limiting risk during construction, the pump refurbishment is not yet complete. The sequence for pump replacement will continue into early 2024. This \$26MM project is expected to be completed under budget.

Laboratory Improvements – Two of the three lab spaces have been completed with final completion of this project expected in early 2024.



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Total project cost is \$1.4MM and will provide newly refurbished and modernized testing facilities for the Collins Park WTP.

Low Service Pumping Station Carbon Feed Improvements – This project is also nearing completion with final completion expected in early 2024. The \$5.9MM project will provide a new carbon feed building with new feed equipment as well as relocated storage facilities from the CP WTP that will provide over 30 days of carbon storage on-site at the Low Service Pumping Station in accordance with OEPA guidelines. Start-up is expected in January of 2024.

Roadway & Site Improvements – Construction is ongoing with a majority of the paving and drainage work expected to be complete this calendar year. This \$3.6MM project will conclude with final restoration and removal of SWPPP measures in the spring of 2024.

Lagoon Overflow Improvements – The initial construction bid in 2023 was outside of the budget. Value engineering has been completed and rebidding will take place in 2024 for construction in 2024. The current project estimate is \$0.3MM.

Permanganate Feed Lines Replacement – Rebid in October 2023 for cost savings of \$2MM from earlier 2023 bid. The project will be moving forward with contracting to Kokosing for \$2.8MM in December 2023 for construction in the 2024 season. This project includes the replacement of three HDPE 2” x 15,000’ feed lines extending from LSPS to the Intake Crib.

Bulk Alum Feed Improvements – This project which includes additional alum storage facilities and replacement of the alum feed equipment is currently under design. Design will be continuing into 2024 with OEPA approval and contracting in 2024. The completed project will provide 30 days of on-site alum storage. The project estimate is \$4.8MM.

Long Term CIP Projects:

Raw Water Main Improvements – Design proposals have been received and a loan application has been submitted to OWDA for \$7.7MM. The loan application will be considered at the December 14th meeting. Design is planned to begin in 2024 and extend into 2025 with construction beginning in 2025 and final completion of multiple phases of construction in 2029.

Distribution System Improvements – A design proposal has been received and a loan application has been submitted to OWDA for \$3.0MM. The loan application will be considered at the December 14th meeting. Design is planned to begin in 2024 and extend into 2025 with construction beginning in 2025 and final completion of multiple phases of construction in 2028.



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Alternate Water Source – AECOM has updated the General Plan to reflect the purchase of the property at the intersection of Corduroy Rd. and North Wynn Rd. The schedule for implementation of the Alternate Water Source will be updated after design is complete and construction bids are received for the Raw Water Main and Distribution System Improvements Projects.

Grant Applications - Efforts are ongoing to move all three of these upcoming CIP projects as quickly as funding will allow. Accordingly, grant and forgiveness loan applications or letters of intent have been submitted to a number of agencies including the following:

- H2Ohio
- State and Tribal Assistance Grants (STAG)
- Water Infrastructure Finance & Innovation Act (WIFIA)
- Small Community Environmental Infrastructure Group (SCEIG)
- Water Resource Development Act

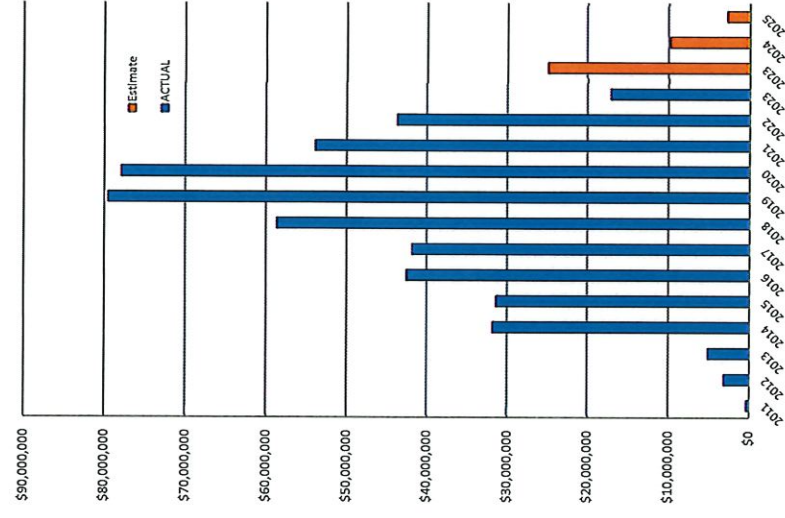
COLLINS PARK WATER TREATMENT PLANT CAPITAL IMPROVEMENTS

ACTIVE PROJECTS			ESTIMATED PROJECT COST
PROJECT	STATUS	COMPLETE	
Lagoon Overflow Improvements	Design	2024	\$300,000
Permanganate Feed Line Replacement	Design	2024	\$2,953,359
Bulk Alum Feed Improvements	Design	2026	\$4,800,000
Basins 1 thru 4 Upgrades	Construction	2023	\$51,887,000
High Service Pumping Station	Construction	2024	\$26,620,000
Lab Improvements	Construction	2024	\$1,389,000
LSPS Carbon Feed Improvements	Construction	2024	\$5,914,450
Plant Drain & Site Improvements	Construction	2024	\$3,640,644
Filter & Pipe Gallery Improvements (HAB)	Closeout	2023	\$41,791,000

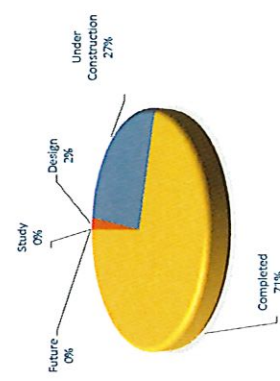
MBE		
MBE Goal %	Actual MBE %	MBE Paid
15%	12.72%	\$ 42,599,580
10%	14.40%	\$ 14,269,209

PROGRAM COSTS (Includes Distribution)	
	INVOICED TO DATE
Construction	\$343,182,905
Services	\$78,423,291
Equipment	\$14,324,440
Distribution	\$39,974,367
Property / Misc. Fees / Toledo Edison	\$7,064,954
TOTAL PAID	\$482,969,957

PROGRAM CASH FLOW



THE FLOW OF PROGRESS



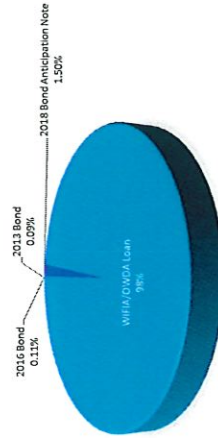
PROJECT	COST
Disinfection Facility	\$ 11,897,054
HAB Improvements	\$ 6,222,237
Chemical Building	\$ 9,120,000
Floc & Sedimentation Basins	\$ 1,362,207
Plant & Filter Galleries	\$ 4,758,726
Residuals Handling & Dewatering	\$ 2,073,031
Plant Site, Conduits & Yard Piping	\$ 3,412,402
Facilities Improvements	\$ 31,631,000
Electrical & Instrumentation	\$ 36,647,000
Raw Water Mains	\$ 7,518,000
Pumping Stations	\$ 44,873,796
Chemical Conveyance Phase 2	\$ 6,817,000
Intake Crib Refurbishment	\$ 5,035,000
Basin 7 & 8 and Filters	\$ 70,638,408
Basin 5 & 6 Upgrade	\$ 27,723,000
Ozone Treatment	\$ 55,375,000
High Service & Filtered Water Conduits	\$ 33,327,000

COLLINS PARK WATER TREATMENT PLANT CONTINUOUS CAPITAL IMPROVEMENTS

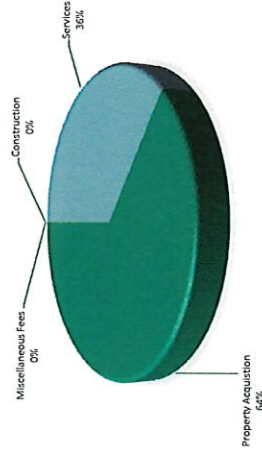
Updated Through September 2023

PROGRAM FUNDING									
FUNDING SOURCE	ORIGINAL BORROWED VALUE	UNALLOCATED	AUTHORIZED	COMMITTED BY PO	PENDING	UNCOMMITTED	INVOICED TO DATE		
Alternate Water Supply	\$13,000,000								
2018 Bond Anticipation Note	\$664,445	\$0	\$664,445	\$664,445	\$0	\$0	\$527,177		
2018 Bond Anticipation Note - Property Acquisition	\$3,900,000	\$0	\$3,900,000	\$3,792,827	\$0	\$107,173	\$3,792,827		
WIFA/OWDA Loan	\$116,500,000	\$0	\$0	\$0	\$116,500,000	\$0	\$0		
Elevated Storage Tanks / Water Distribution	\$70,976,003								
2013 Water Bond	\$36,080	\$0	\$36,080	\$36,080	\$0	\$0	\$26,040		
2018 Bond Anticipation Note	\$955,000	\$0	\$954,937	\$954,937	\$0	\$0	\$942,396		
WIFA/OWDA Loan	\$69,985,323	\$0	\$0	\$0	\$69,985,323	\$0	\$0		
Raw Water Main Upgrade 78"	\$175,903,619								
2013 Water Bond	\$311,958	\$0	\$311,958	\$311,958	\$0	\$0	\$254,666		
2016 Water Bond	\$394,937	\$0	\$394,937	\$394,937	\$0	\$0	\$388,198		
WIFA/OWDA Loan	\$175,196,724	\$0	\$0	\$0	\$175,196,724	\$0	\$0		
TOTALS	\$307,944,607	\$ -	\$ 6,262,357	\$ 6,155,184	\$ 361,682,247	\$ 107,173	\$ 5,941,303		

CIP PROGRAM SOURCE OF FUNDS



CIP PROGRAM USE OF FUNDS



ACTIVE PROJECTS

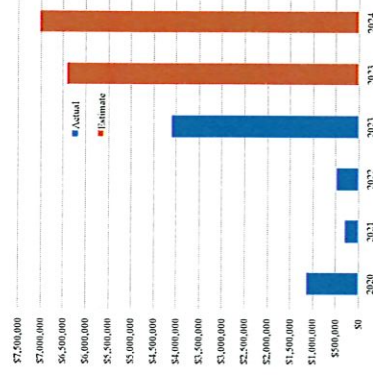
PROJECT	STATUS	COMPLETE	ESTIMATED PROJECT COST
Alternate Water Supply (OWDA)	Study	TBD	\$120,292,827
Elevated Storage Tanks (OWDA)	Study	2028	\$69,985,523
Raw Water Main Upgrades (OWDA)	Study	2029	\$175,196,724

MBE

Goods & Services	MBE GOAL %	MBE ACTUAL %	MBE PAID
	10%	9.15%	\$ 196,327.00

PROGRAM COSTS	
	INVOICED TO DATE
Construction	\$0
Services	\$2,146,476
Property Acquisition	\$3,792,827
Miscellaneous Fees	\$0
TOTAL	\$5,941,303

PROGRAM CASH FLOW

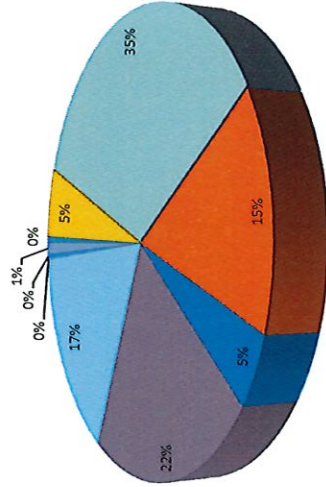


COLLINS PARK WATER TREATMENT PLANT CAPITAL IMPROVEMENTS

Updated Through September 2023

PROGRAM FUNDING									
FUNDING SOURCE	ORIGINAL BORROWED VALUE	UNALLOCATED	AUTHORIZED	COMMITTED BY PO	PENDING	UNCOMMITTED	INVOICED TO DATE		
2005 Bond - Partial Balance	\$2,809,839	\$0	\$2,533,704	\$2,533,704	\$0	\$0	\$2,533,704		
2012 Bond	\$27,500,000	\$0	\$27,498,259	\$27,449,262	\$0	\$48,997	\$27,342,611		
2013 Bond	\$175,759,708	\$0	\$175,759,717	\$174,543,420	\$0	\$1,216,297	\$171,226,446		
2016 Bond	\$74,605,063	\$0	\$74,605,063	\$73,647,077	\$0	\$957,986	\$70,706,588		
2018 Bond Anticipation Note	\$24,480,555	\$0	\$24,480,914	\$23,220,308	\$0	\$1,260,606	\$17,328,600		
OWDA	\$112,065,168	\$0	\$110,256,109	\$110,019,918	\$0	\$236,191	\$102,064,351		
WSRLA	\$88,812,332	\$0	\$86,194,567	\$86,194,567	\$0	\$0	\$84,935,140		
Water Improvement Fund		\$0	\$428,496	\$428,496	\$0	\$4	\$428,496		
Water Operating Fund		\$0	\$1,718,005	\$1,718,005	\$0	\$0	\$1,718,005		
Water Replacement Fund		\$0	\$4,686,016	\$4,686,016	\$0	\$0	\$4,686,016		
TOTALS		\$0	\$508,160,853	\$504,440,772	\$0	\$3,720,081	\$482,969,957		

CIP PROGRAM SOURCE OF FUNDS



CIP PROGRAM USE OF FUNDS

