



#### GLWA FY 2026 - 2030 CAPITAL IMPROVEMENT PLAN

#### PROPOSED CAPITAL IMPROVEMENT PLAN FY 2026-2030

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GLWA Board of Directors Meeting January 22, 2025

Jody Caldwell, PE Chief Planning Officer **Dima El-Gamal**, PhD, PE, LEED @ AP. Capital Improvement Planning Director



#### **AGENDA**

#### • KEY TAKEAWAYS

#### • FY 2026 - 2030 CIP ROADMAP

#### FY 2026 - 2030 CIP HIGHLIGHTS

- CIP AT A Glance
- Capital Spend Ratio-Financial Plan
- Water and Wastewater Summaries
- CIP Public Dashboard

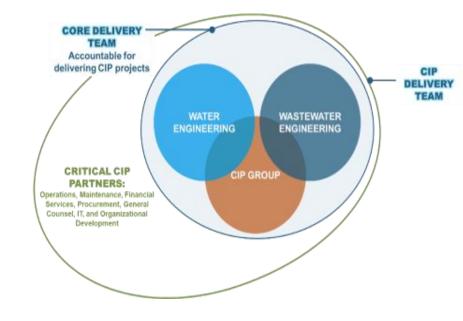
## • RECAP AND QUESTIONS



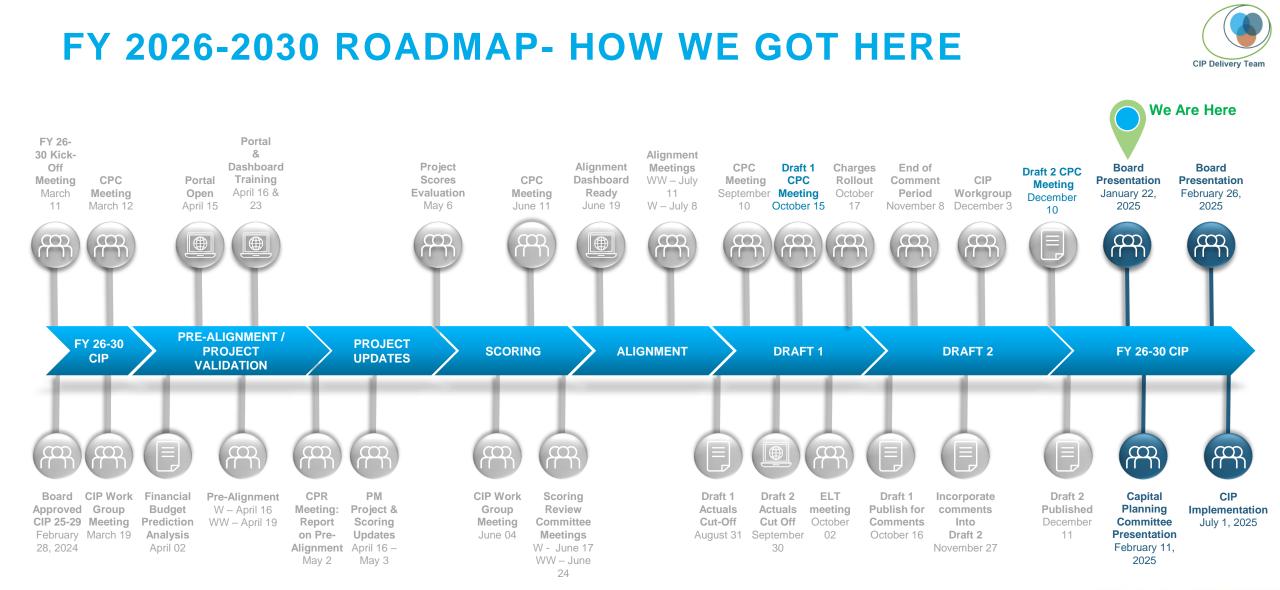


#### **KEY TAKEAWAYS**

- Five-year document with a 10-year outlook
- Opportunities for Stakeholders to provide input during development
- Presented to Capital Planning Committee on Dec 10, 2024
- Needed projects from all areas of the organization to promote redundancy, resiliency, public health and safety
- Conformance with recommendations from planning documents and meets regulatory and operational needs
- FY 2026-2030 CIP is in alignment with the GLWA's 10-Year Financial Plan
  - Reflects forecasts of the System's overall needs
  - A Capital Spend Ratio (CSR) is proposed to mitigate the impacts of potential project complexities and resource limitations (Vendors and GLWA)







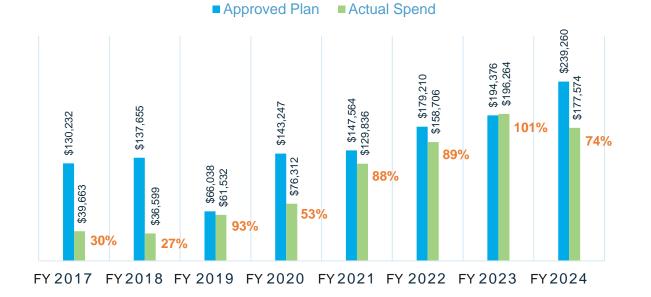


CPC – Capital Planning Committee | CIP – Capital Improvement Plan CPR – Capital Program Review | ELT – Executive Leadership Team | PM – Project Manager

## **CIP DELIVERY: PAST PERFORMANCE HIGHLIGHTS**



WATER

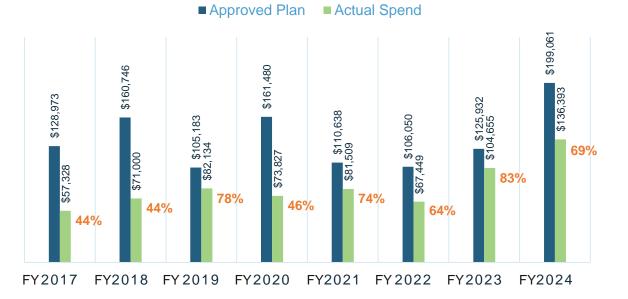


(Figures are shown in \$1,000's)



**CIP** – Capital Improvement Plan

#### WASTEWATER



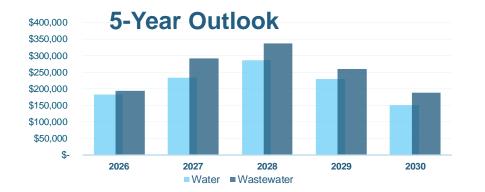
# FY 2026-2030 CIP HIGHLIGHTS





## FY 2026 - 2030 DISCUSSION DRAFT 2 - CIP AT A GLANCE





Financial figures in \$1,000s and rounded

WATER		WASTEWATER						
5-Year Total	\$1,083,229	5-Year Total	\$1,271,603					
5-Year Average	\$216,646	5-Year Average	\$254,321					
10-Year Total	\$2,216,920	10-Year Total	\$2,112,834					
10-Year Average	\$221,692	10-Year Average	\$211,283					

Based on Oct 31, 2024, actuals and PM cost and schedule updates as of Nov 15, 2024



**\*5 NEW PROJECTS FROM PROGRAMS** 



CIP - Capital Improvement Plan | FY - Fiscal Year | PM - Project Manager

## **CAPITAL SPEND RATIO – FINANCIAL PLAN**



- GLWA Board Policy adopted November 28, 2018, "Capital Program Spend Rate Assumption Policy"
  - Annually, a projected spend rate assumption for the financial plan related to the proposed capital improvement plan will be established based upon pertinent factors and data available at that time. Such pertinent factors and data will include the mix of projects and phases in the proposed CIP, interdependency risk, criticality, and other measures provided by the GLWA team members that develop and manage the CIP projects. That spend rate assumption will be presented to the Audit Committee no later than December 31st each year after the GLWA Board, Capital Improvement Planning Committee, and member partners have had the opportunity to review the draft capital improvement plan.
- Spend rate assumptions in the current financial plan (as of January 6, 2025) vary from year to year. Over the course of the ten year plan the lowest is at 80% and the highest is 100%.

	CSR by Fiscal Year									
	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
Water	100%	100%	100%	95%	95%	95%	95%	100%	100%	100%
Wastewater	90%	80%	84%	96%	100%	100%	100%	100%	95%	87%

• Forecasted CIP expenditures in the ten-year plan are rounded up to the nearest \$5 million to recognize the dynamic nature of the CIP.

		CIP Financing by Fiscal Year ( <i>millions</i> )																			
	2	026	2	027	2	028	2	029	2	.030	2	031	2	032	2	033	2	034	2	.035	
Water	\$	185	\$	235	\$	290	\$	220	\$	145	\$	155	\$	190	\$	275	\$	265	\$	240	
Wastewater	\$	175	\$	235	\$	285	\$	255	\$	190	\$	160	\$	140	\$	140	\$	165	\$	210	





CIP Document	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	5-Year Total
Draft #2 Water CIP FY 26-30	\$179,407	\$183,064	\$233,120	\$285,942	\$230,461	\$150,642	\$1,083,229
	FY 2	5 FY 26	FY 27	FY 28	FY 29	FY 30	5-Year Avg
Proposed CSR %	1009	% 100%	100%	100%	95%	95%	98%
Financial Plan	FY 2	5 FY 26	FY 27	FY 28	FY 29	FY 30	5-Year Total
Approved Water CIP FY 2025-2029	\$207,33	3 \$209,752	\$227,823	\$236,331	\$190,550	\$202,288	\$1,071,789
Water CIP FY 2026-2030 with CSR	\$179,40	7 \$183,064	\$233,120	\$285,942	\$218,938	\$143,110	\$1,064,174
Difference with CSR	(\$27,926	5) (\$26,688)	\$5,297	\$49,611	\$28,388	(\$59,178)	(\$7,615)
Difference with CSR %	-13.479	% -12.72%	2.33%	20.99%	14.90%	-29.25%	-0.71%

(Figures are shown in \$1,000's)



CIP – Capital Improvement Plan | FY – Fiscal Year | CSR – Capital Spend Ratio

#### WATER FY 2026 - 2035 10-YEAR CIP OUTLOOK



	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Program	\$2,046	\$4,346	\$5,308	\$11,263	\$17,346	\$16,677	\$34,602	\$31,314	\$26,883	\$19,608	\$26,562
Projects	\$140,297	\$125,226	\$199,880	\$249,803	\$198,824	\$111,962	\$113,280	\$152,166	\$228,158	\$232,163	\$195,855
Projects From Programs	\$37,064	\$53,492	\$27,932	\$24,876	\$14,290	\$22,003	\$13,075	\$16,090	\$15,916	\$12,425	\$15,594
Total	\$179,407	\$183,064	\$233,120	\$285,942	\$230,461	\$150,642	\$160,957	\$199,570	\$270,957	\$264,197	\$238,011

**10-Year Water CIP Outlook** 



GLWA Great Lakes Water Authority

#### WASTEWATER FY 2026-2030 CIP SUMMARY



CIP Document	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	5-Year Total
Draft #2 Wastewater CIP FY 26-30	\$163,276	\$193,221	\$291,841	\$337,800	\$261,115	\$187,625	\$1,271,603
	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	5-Year Avg
Proposed CSR %	100%	90%	80%	84%	96%	100%	90%
Financial Plan	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	5-Year Total
Approved Wastewater CIP FY 2025-2029	\$169,189	\$212,693	\$216,231	\$201,995	\$182,417	\$180,433	\$982,525
Wastewater CIP FY 2026-2030 with CSR	\$163,276	\$173 <i>,</i> 899	\$233,473	\$283,752	\$250,671	\$187 <i>,</i> 625	\$1,129,420
Difference with CSR	(\$5,913)	(\$38,794)	\$17,242	\$81,757	\$68,254	\$7,192	\$146,895
Difference with CSR %	-3.49%	-18.24%	7.97%	40.47%	37.42%	3.99%	14.95%

(Figures are shown in \$1,000's)



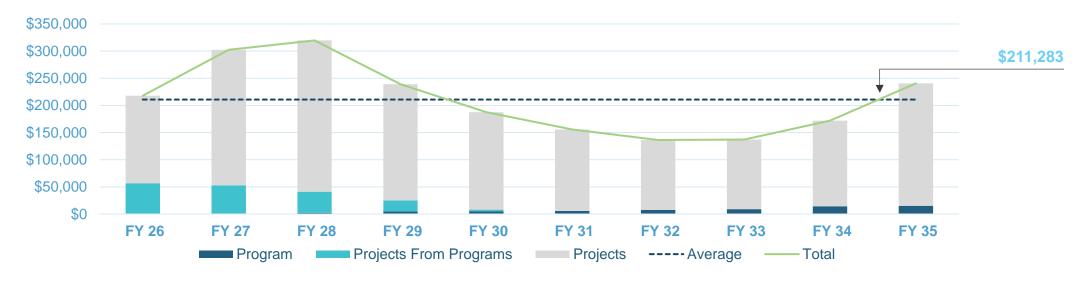
CIP – Capital Improvement Plan | FY – Fiscal Year | CSR – Capital Spend Ratio

## WASTEWATER FY2026-2035 10-YEAR CIP OUTLOOK



	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Program	\$51	\$68	\$183	\$2,236	\$4,707	\$5,078	\$5,578	\$7,295	\$8,917	\$14,194	\$14,994
Projects	\$91,854	\$139,665	\$244,525	\$287,679	\$236,379	\$179,478	\$149,933	\$128,988	\$128,060	\$157,730	\$225,542
Projects From Programs	\$71,364	\$53,488	\$47,134	\$47,885	\$20,030	\$3,069	\$0	\$0	\$0	\$0	\$0
Total	\$163,269	\$193,221	\$291,841	\$337,800	\$261,115	\$187,625	\$155,511	\$136,283	\$136,978	\$171,924	\$240,536

**10-Year Wastewater CIP Outlook** 

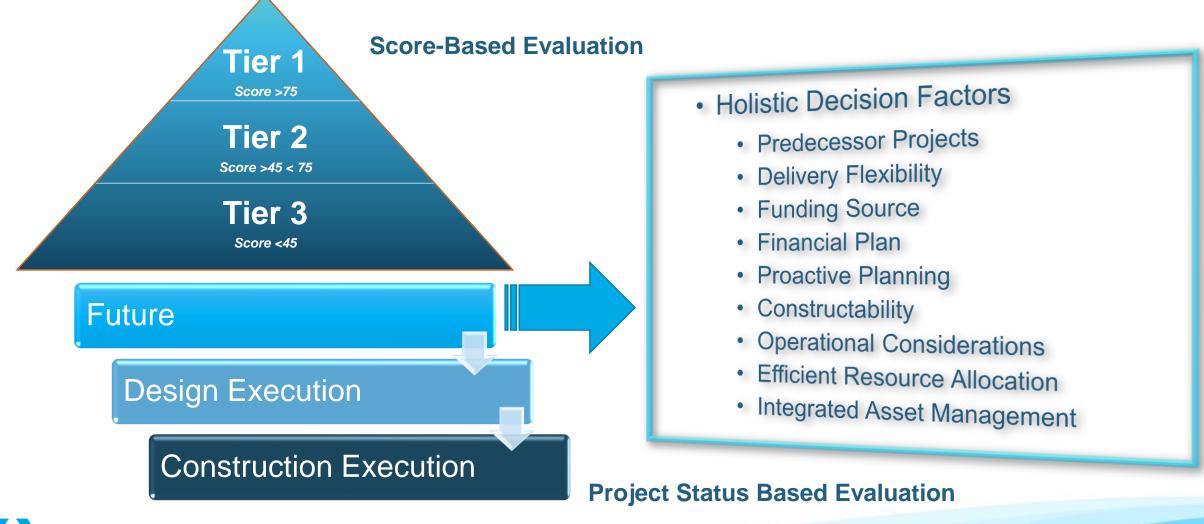


Financial figures in \$1,000s and rounded



## FY 2026 - 2030 CIP PRIORITIZATION







## FY 2026-2030 CIP STATISTICS AND RECAP



Design

\$101,391

9%

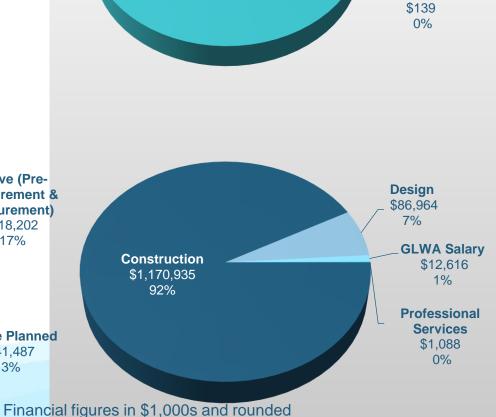
**GLWA Salary** 

\$9,944

1%

Professional Services

WATER Active (Pre-Storage Pumps **Procurement &** \$50,695 \$173,189 **Procurement**) 5% 16% \$98,854 Treatment 9% Construction \$493,902 **Project Execution** \$971.754 45% **Future Planned** 90% WASTEWATER Active (Pre-**Procurement & Procurement**) \$218,202 17% **Conveyance/Pumps** Treatment \$525,123 **Project Execution** \$583,605 41% \$1,011,914 46% 80% Future Planned \$41,487 3%





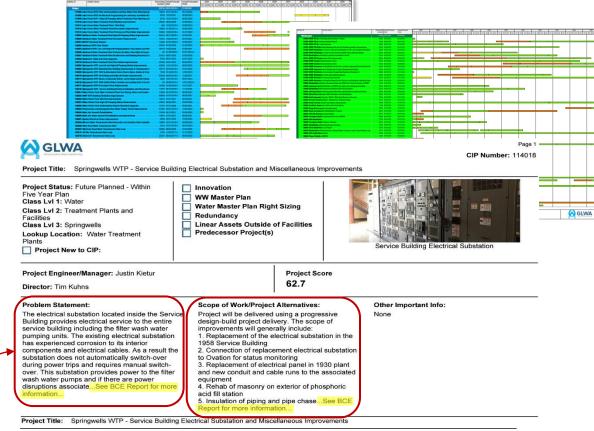
# **CIP PUBLIC DASHBOARD**



# **FY 2026 - 2030 CIP DOCUMENT**



- CIP at a glance
- Project summaries
- Water and Wastewater BCEs
- Summary tables per various categories
- GIS Maps
- Integrated master schedule
- Added project photos to BCEs
- One Pager truncated text clarifications



Current Expenses (All figures are in \$1,000's) "Total Costs" include costs outside of the 10 year planning window

\*Design & Construction costs are inclusive of salaries where salaries are not defined

Activity Name	Total Costs	Actual Costs	Prior FYs	FY25	FY26	FY27	FY28	FY29	FY30	5 Year Total	FY31-35
GLWA Salaries	\$178	\$0	\$0	\$0	\$0	\$0	\$75	\$75	\$28	\$178	\$0
<b>Professional Services</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Engineering	\$2,163	\$0	\$0	\$0	\$0	\$0	\$58	\$1,717	\$388	\$2,163	\$0
Totals	\$2,340	\$0	\$0	\$0	\$0	\$0	\$133	\$1,791	\$416	\$2,341	\$0



**CIP** – Capital Improvement Plan | **FY** – Fiscal Year **GIS** – Geographic Information System | **BCE** – Business Case Evaluation

# WHAT'S NEW - CIP PUBLIC DASHBOARD



- First CIP public facing dashboard Reflects current CIP document **Project Status** All All Applies filters to derive at data Link CIP # **CIP Title** Careers - Financials - Assistance Contact Login -Q 🖬 🖸 🎔 ల 111010 0 LHWTP-Flocculation Improvements ABOUT . OUR SYSTEM + MEMBERS . VENDORS INVESTOR RELATIO @ 111013 ଚ @ 112007 NEWTP-Structural Repairs @ ✤ 113003 CAPITAL IMPROVEMENT VIEWER ଚ 113010 CIP Schedule & Gantt Chart CAPITAL IMPROVEMENT Group Expand Task **CIP PUBLIC DASHBOARD** 
  - CLICK HERE

#### CAPITAL IMPROVEMENT PLAN - DISCUSSION DRAFT #1 2026-2030

Download the Discussion Draft #1 Capital Improvement Plan (CIP) 2026 - 2030 for a look at GLWA's plans for maintaining and improving the regional system.

CIP Report FY26-30 - Discussion Draft 1	0	CIP FY26-30 - Appendix /
CIP FY26-30 - Appendix B	8	CIP FY26-30 - Appendix

#### Total Cost Project Start Fiscal Year **GLWA** \$908.270 \$0 2025 2032 Reset Filters = 67 CIP Budget Activity Category Project Location Key Areas Facility All All $\sim$ All $\sim$ All $\sim$ Links to Appendix A/B : Business Case Evaluation (BCE CIP Budget CIP: CIP Name FY 25 FY 26 FY 27 FY 28 FY 29 FY 30 FY 31 111001 - Lake Huron WTP, Low-Lift, \$0 \$11,741 \$16,224 \$25,559 \$29,612 \$26,694 \$18,995 Lake Huron WTP, Low-Lift, High Lift and Filter Backwash Pumping System Im High Lift and Filter Backwash Pumping Lake Huron WTP Filtration Improvement System Improvements 111010 - Lake Huron WTP Filtration \$0 \$0 \$0 \$1,196 \$1,196 \$1,164 \$11,413 \$ Lake Huron Water Treatment Plant Fireloop and Plant Water Improvements Improvement Northeast Water Treatment Plant High-Lift Pumping Station Improvements 111012 - LHWTP-Flocculation \$3.207 \$8.647 \$11.608 \$10.486 \$7.066 \$0 \$0 Improvements Northeast Water Treatment Plant Filter Replacement 111013 - Lake Huron Water Treatment \$0 \$0 \$0 \$707 \$0 \$0 \$0 Plant Fireloop and Plant Water Southwest Water Treatment Plant Low- and High lift Pumping station Impro-Improvements Southwest Water Treatment Plant Flocculation Improvements Months Start End 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 111001 - LAKE HURON WTP, LOW-LIFT, HIGH LIFT A... 07/15/25 08/01/31 11001 - Lake Huron WTP, Low-Lift, High Lift and Filter Backwash Pumping Sys ▶ 111010 - LAKE HURON WTP FILTRATION IMPROVE... 1010 - Lake Huron WTP Filtration Improvem 07/02/27 07/06/34 111012 - LHWTP-FLOCCULATION IMPROVEMENTS 1012 - LHWTP-Flocculation Improvements (1642 d) 01/01/26 06/30/30 111013 - Lake Huron Water Treatment Plant Fin 111013 . LAKE HURON WATER TREATMENT PLANT... 07/01/30 06/30/34 112003 - NORTHEAST WATER TREATMENT PLANT ... 07/01/30 06/30/39

<u>CIP - GLWA</u> <u>Microsoft Power BI (powerbigov.us)</u>



**CIP** – Capital Improvement Plan

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# **RECAP & NEXT STEPS**



#### WATER & WASTEWATER CIP FY 2026 - 2035 (10 YEAR PROJECTIONS)





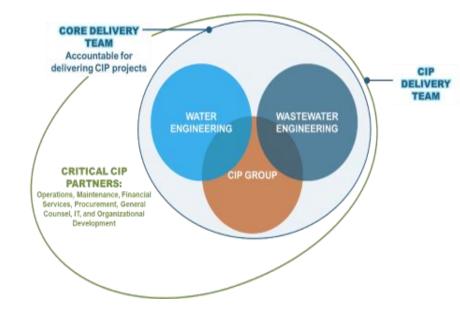
Financial figures in \$1,000s



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# **QUESTIONS & THANK YOU**

