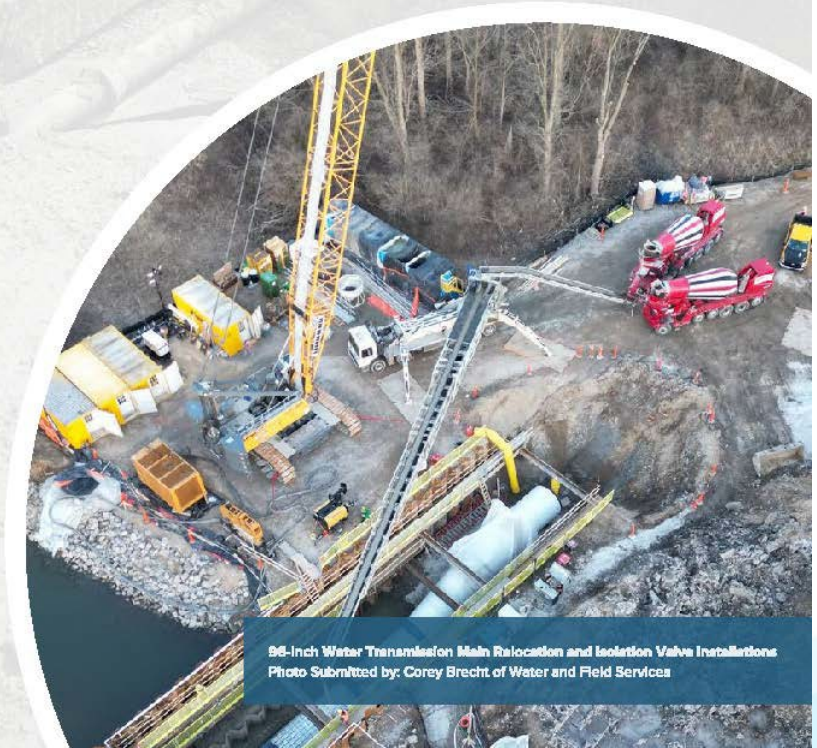
GLWA
Great Lakes Water Authority

CIP

FY2025-2029

PROPOSED CAPITAL IMPROVEMENT PLAN

Updated January 12, 2024



CIP Delivery Team

GLWA FY 2025 - 2029 CAPITAL IMPROVEMENT PLAN

GLWA Board of Directors Meeting

January 24, 2024

Jody Caldwell, PE
Chief Planning Officer

Dima El-Gamal, PhD, PE, LEED @ AP
Capital Improvement Planning Director

AGENDA

CIP Delivery Team

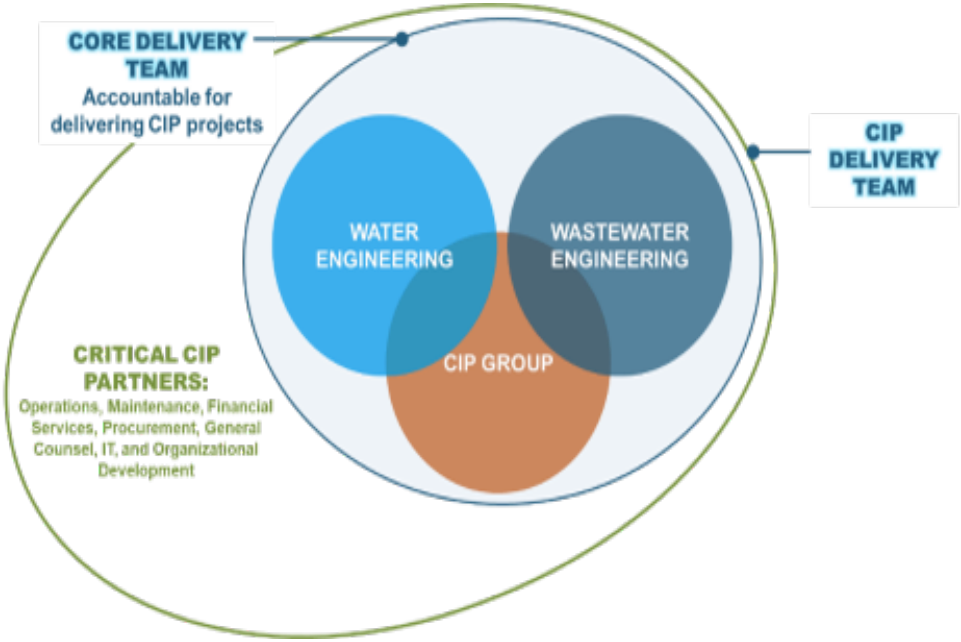
- KEY TAKEAWAYS
- FY 2025 - 2029 CIP ROAD MAP
- FY 2025 - 2029 CIP HIGHLIGHTS
- RECAP AND QUESTIONS

GLWA Great Lakes Water Authority

CIP – Capital Improvement Plan

KEY TAKEAWAYS

- Five-year forward-looking document with a 10-year outlook
- FY 2025-2029 CIP is in alignment with the GLWA's Financial Plan
- Opportunities for Stakeholders to provide input during development
- Board Capital Planning Committee recommended CIP approval to the Board on Dec 12, 2023
- Needed projects from all areas of the organization to promote redundancy, resiliency, and health & safety
- Conformance with recommendations of master plans and meets regulatory and operational needs



GLWA Great Lakes Water Authority

CPC – Capital Planning Committee | **CIP** – Capital Improvement Plan

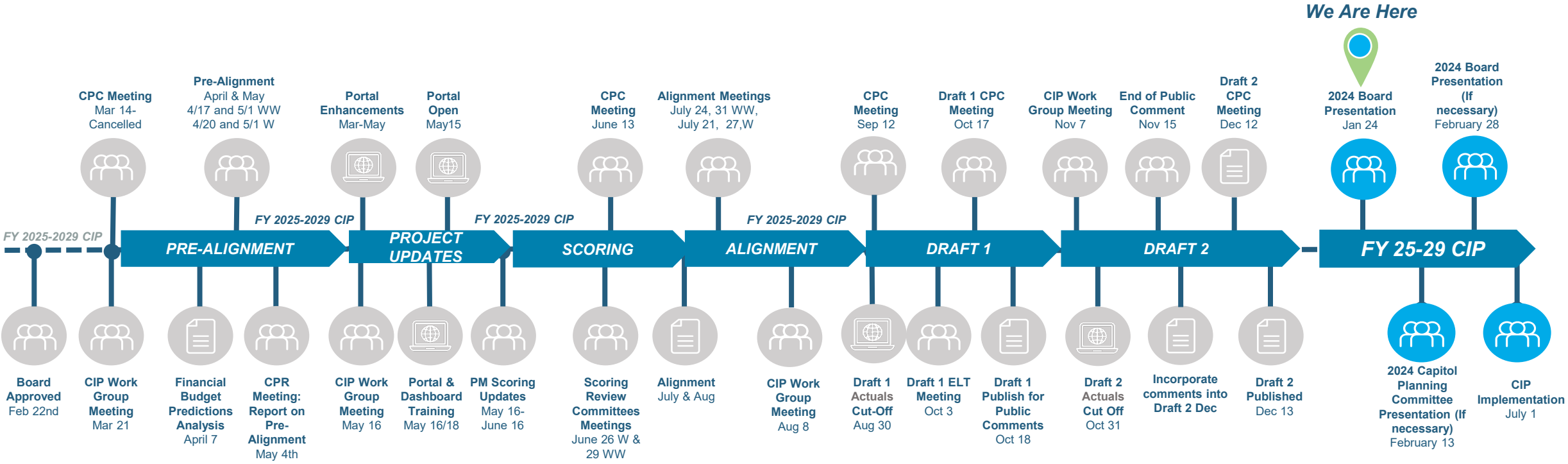
FY 2025-2029 CIP ROADMAP

CIP Delivery Team

GLWA
Great Lakes Water Authority

FY 2025-2029 ROADMAP
HOW WE GOT HERE & WHERE WE ARE TODAY

CIP Delivery Team



GLWA Great Lakes Water Authority

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

FY 2025-2029 CIP HIGHLIGHTS

CIP Delivery Team

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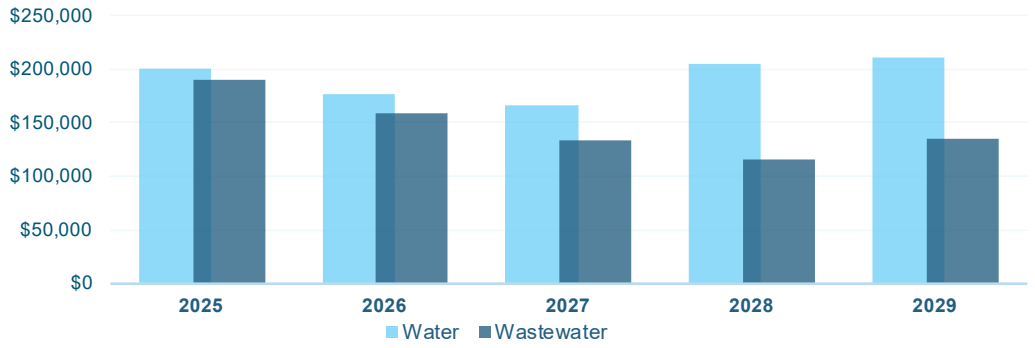
Great Lakes Water Authority

FY 2025-2029 Discussion Draft 2-CIP AT A GLANCE

CIP Delivery Team

5-Year Outlook

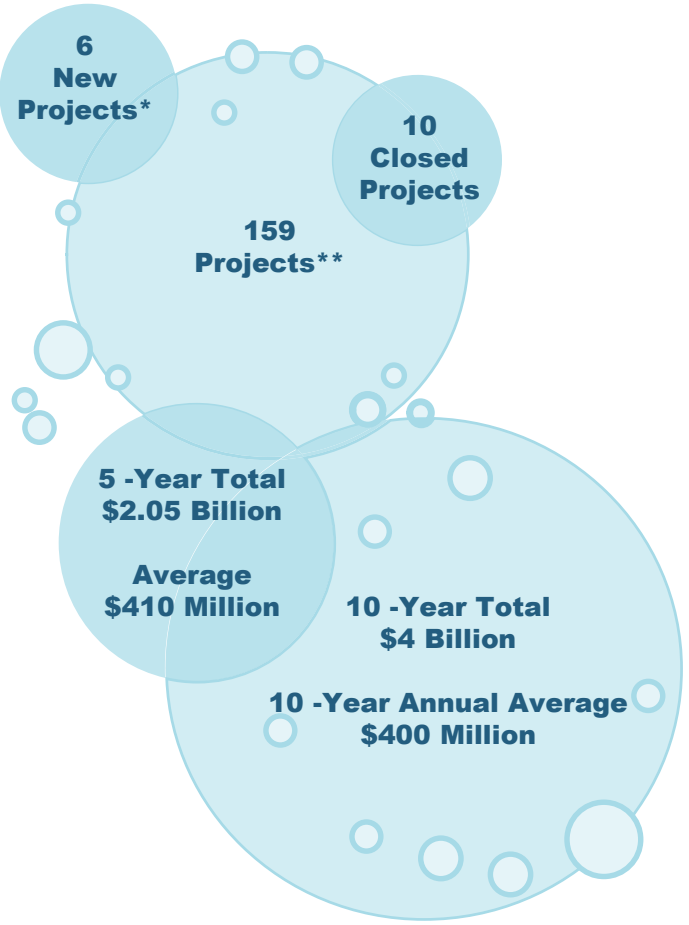


Financial figures in $1,000s and rounded

WATER	
5-Year Total	**$1,071,788**
5-Year Average	$214,358
10-Year Total	**$2,180,458**
10-Year Average	$218,046

WASTEWATER	
5-Year Total	**$982,525**
5-Year Average	$196,505
10-Year Total	**$1,822,439**
10-Year Average	$182,244

Based on Oct 31, 2023, Actuals and PM cost and schedule updates as of Nov 20, 2023



**3 NEW PROJECTS FROM PROGRAMS*

*** IN ADDITION TO THE 159 PROJECTS, THERE ARE:*
+2 RECLASSIFIED PROJECTS
+3 CANCELLED PROJECTS

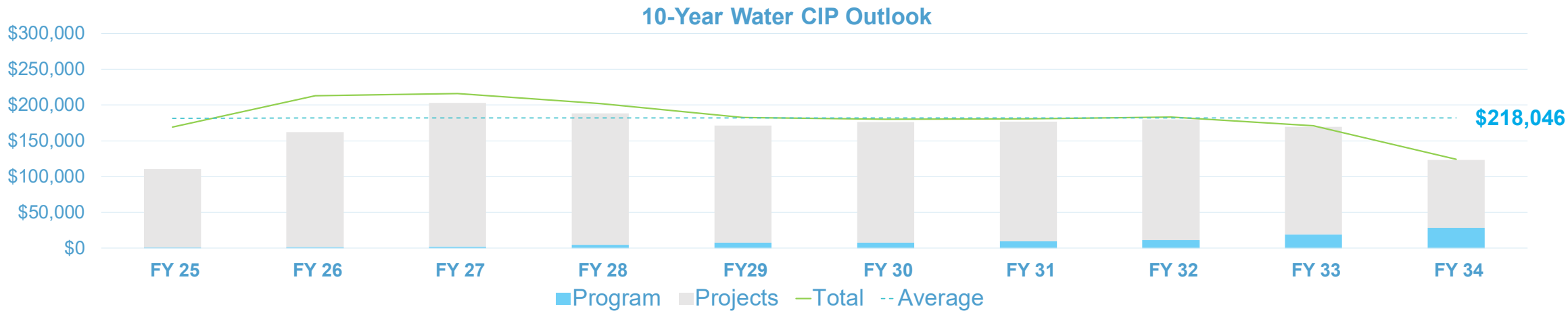
GLWA Great Lakes Water Authority

CIP – Capital Improvement Plan | **PM** – Project Manager

FY 2025-2034 10-YEAR WATER CIP OUTLOOK

CIP Delivery Team

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34
Program	$42	$6,684	$11,752	$5,785	$15,233	$25,192	$31,442	$31,416	$26,840	$20,942	$17,752
Projects	$182,143	$175,675	$174,364	$188,417	$193,187	$144,313	$153,861	$145,924	$193,285	$196,706	$225,455
Total	**$205,662**	**$207,333**	**$209,752**	**$227,823**	**$236,331**	**$190,550**	**$202,288**	**$189,586**	**$232,086**	**$229,576**	**$255,134**



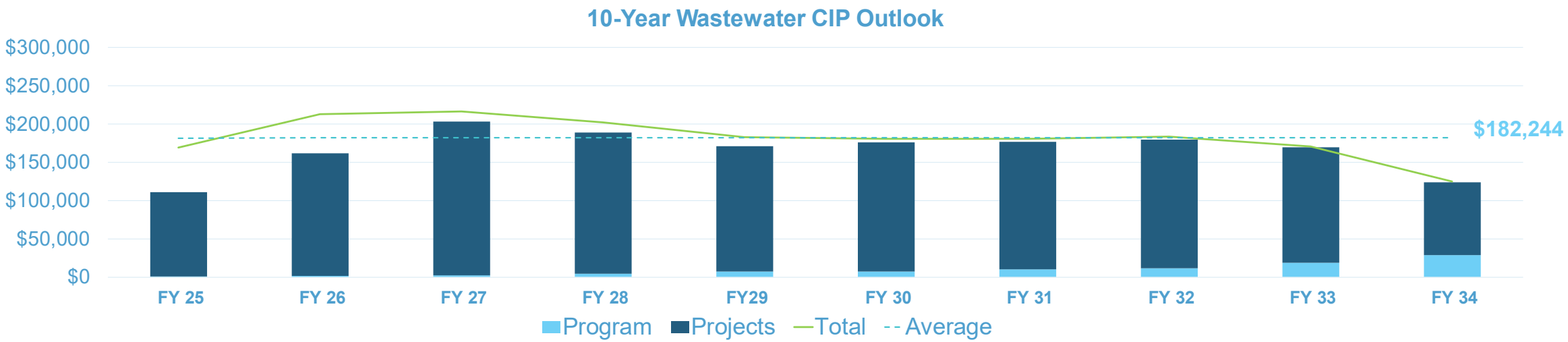
GLWA Great Lakes Water Authority

Financial figures in $1,000s and rounded

FY 2025-2034 10-YEAR WASTEWATER CIP OUTLOOK

CIP Delivery Team

	FY 24	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34
Program	$474	$712	$1,741	$2,241	$4,700	$7,531	$7,531	$9,812	$11,259	$18,996	$28,429
Projects	$78,674	$110,046	$160,214	$200,964	$183,772	$163,736	$168,713	$167,184	$168,404	$150,431	$95,038
Total	**$158,298**	**$169,189**	**$212,693**	**$216,231**	**$201,995**	**$182,417**	**$180,433**	**$180,716**	**$183,392**	**$170,901**	**$124,472**



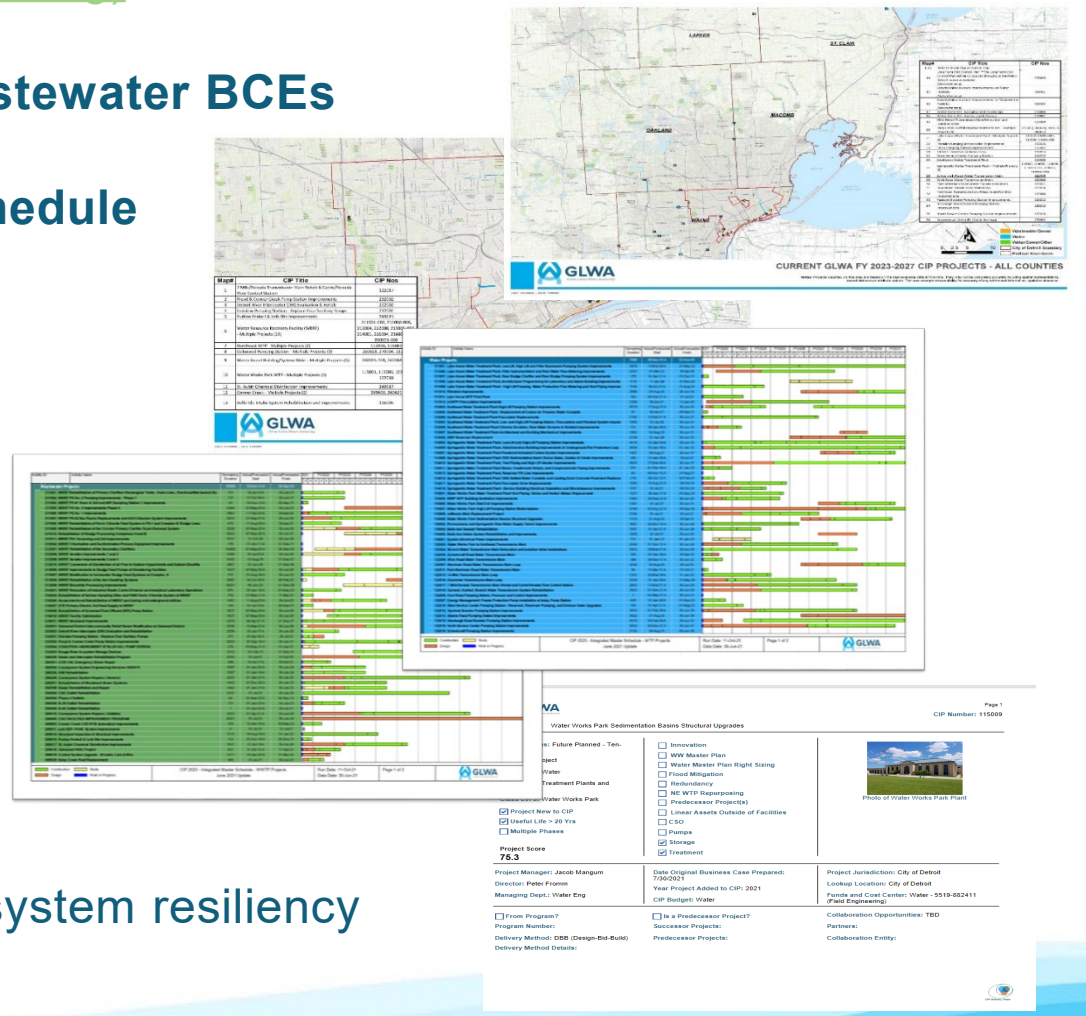
GLWA Great Lakes Water Authority

Financial figures in $1,000s and rounded

FY 25-29 CIP DOCUMENT

CIP Delivery Team

- **Discussion Draft #2 can be found at** CIP - GLWA (glwater.org)
- **CIP At-A-Glance, project summaries, and Water & Wastewater BCEs**
- **Summary tables, GIS Maps, and integrated master schedule**
- **Continuous Improvement**
  - Scoring, financial alignment, BCE layout
- **Improved reporting, Discussion Draft (2) reflects**
  - Actuals (Oct 31) and PM updates (Nov 20)
- **Northeast Water Treatment Plant (WTP)**
  - “Right sizing” per the 2015 Masterplan
  - Continue to operate the Northeast WTP to maintain system resiliency



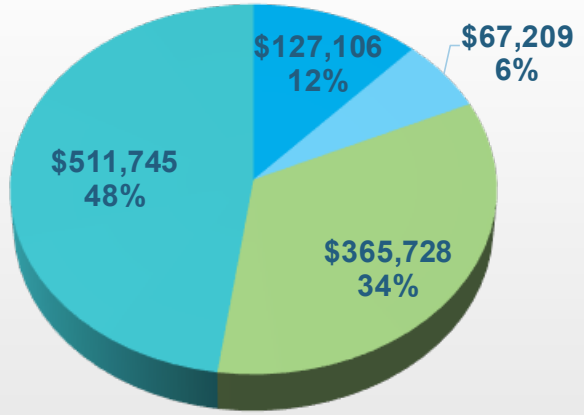
GLWA Great Lakes Water Authority

CIP – Capital Improvement Plan | **BCE** – Business Case Evaluation (BCE)
PM – Project Manager | **WTP** - Water Treatment Plant

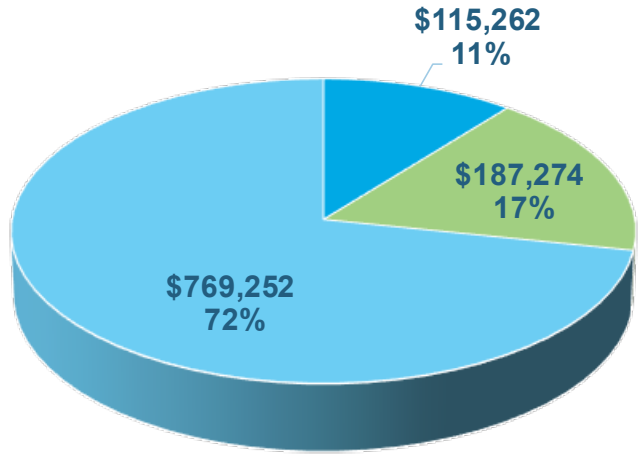
FY 25-29 CIP STATISTICS AND RECAP

CIP Delivery Team

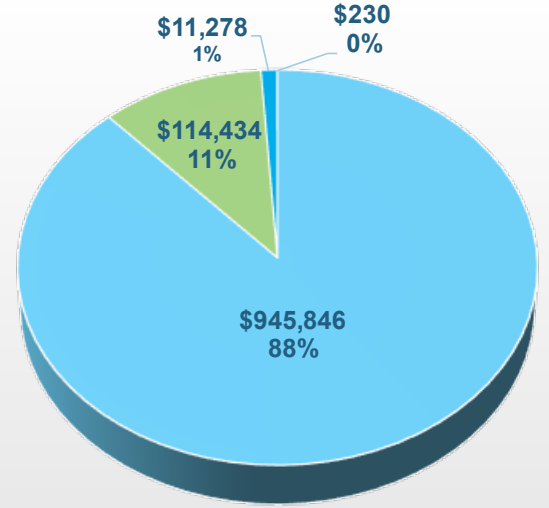
WATER



- Water Pumps
- Water Storage
- Water Transmission
- Water Treatment

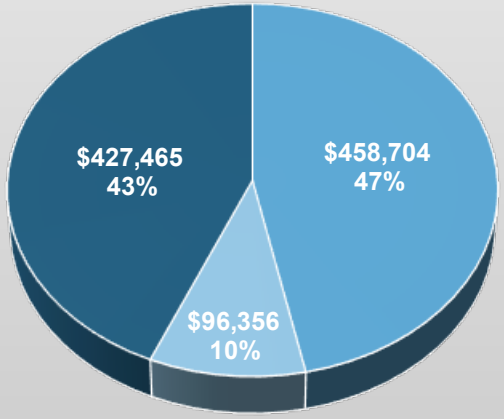


- Active Water
- Future Planned Water
- Project Execution Water

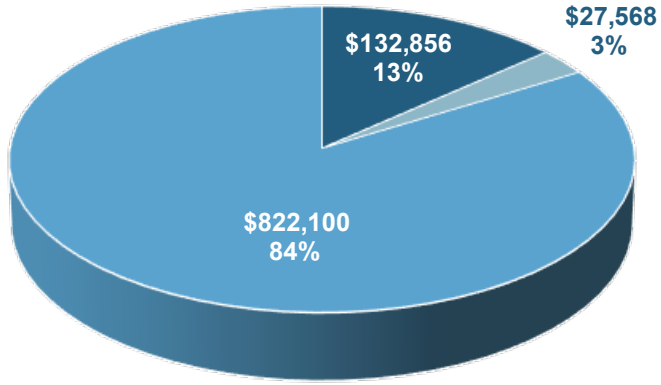


- Construction
- Design
- GLWA Salary
- Professional Services

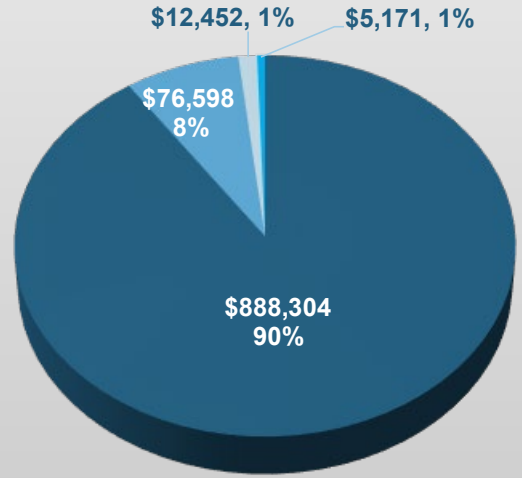
WASTEWATER



- Wastewater Conveyance/Pumps
- Wastewater CSO
- Wastewater Treatment



- Wastewater Active
- Wastewater Future Planned
- Wastewater Project Execution



- Construction
- Design
- GLWA Salary
- Professional Services

RECAP & NEXT STEPS

CIP Delivery Team

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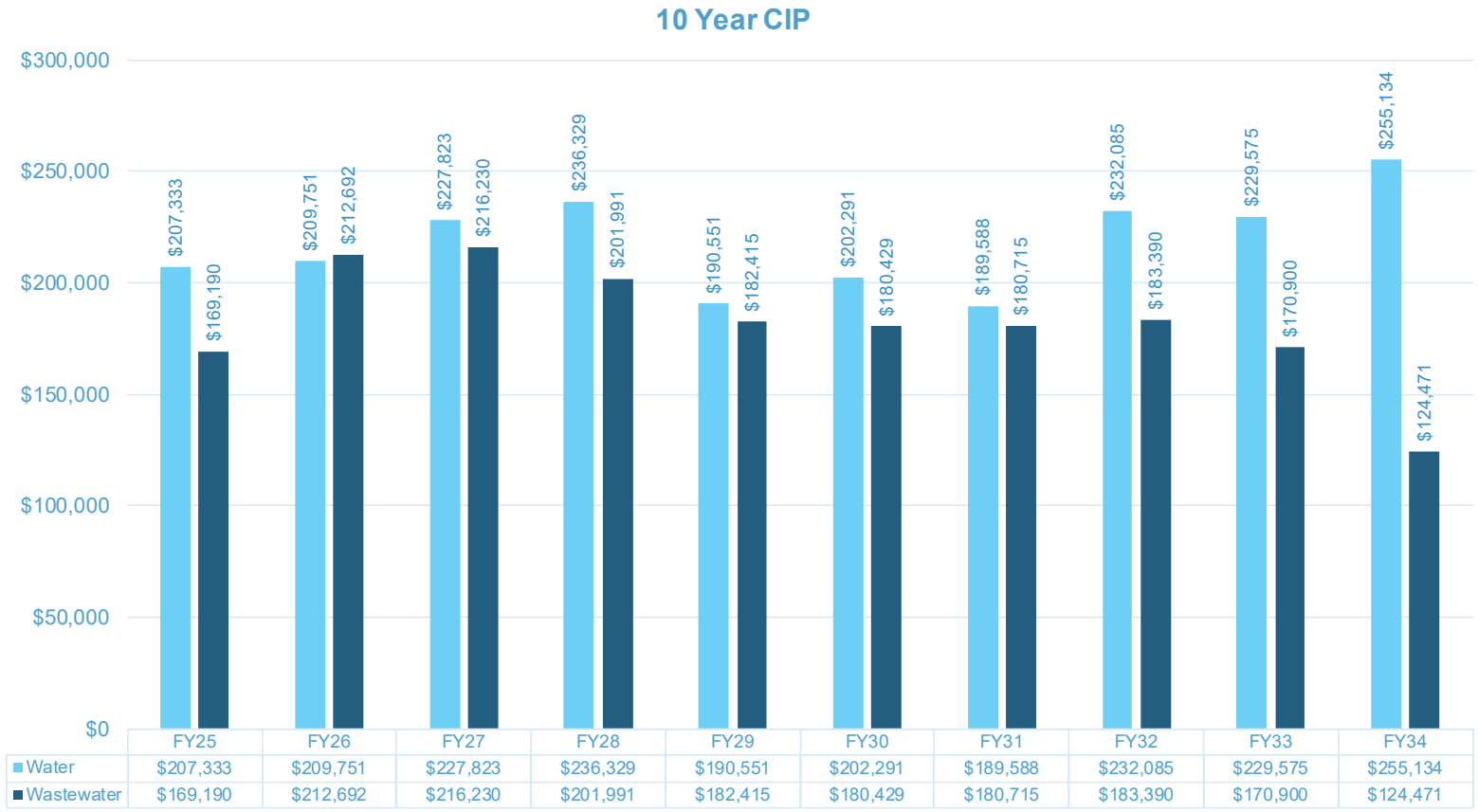
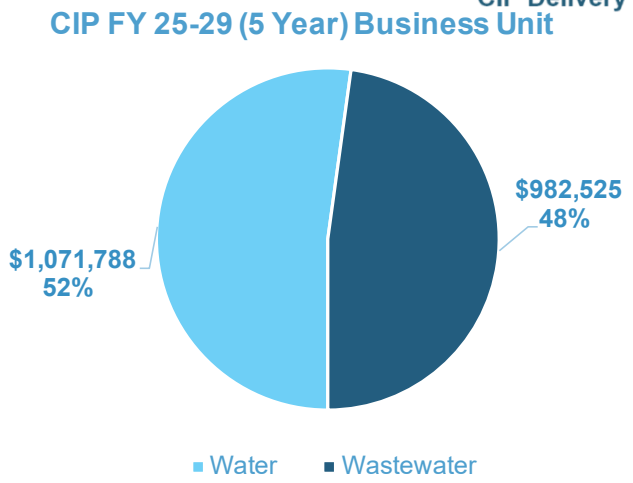
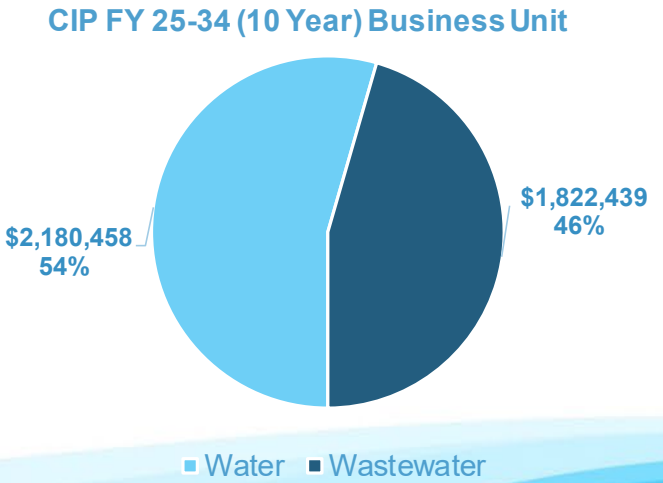
WATER & WASTEWATER CIP FY 25-34
(10YR PROJECTIONS)

CIP Delivery Team



	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY33	FY34
Water	$207,333	$209,751	$227,823	$236,329	$190,551	$202,291	$189,588	$232,085	$229,575	$255,134
Wastewater	$169,190	$212,692	$216,230	$201,991	$182,415	$180,429	$180,715	$183,390	$170,900	$124,471



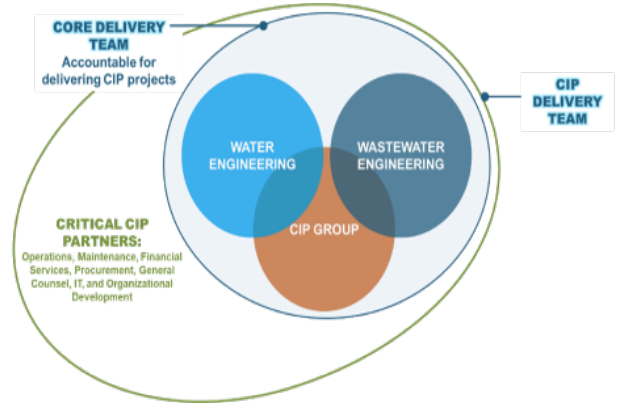


Financial figures in $1,000s and rounded

GLWA Great Lakes Water Authority

CIP – Capital Improvement Plan

KEY TAKEAWAYS



- Five-year looking forward document with a 10-year outlook
- Discussion Draft # 1: Presented to CPC on October 17, 2023
- Public comment period on Draft 1 from Oct 18 - Nov 15, 2023
- Discussion Draft #2: Presented to CPC on Dec 12, 2023
- CPC recommended approval to the Board on Dec 12, 2023
- FY 25-29 CIP is in alignment with the GLWA's Financial Plan
- Opportunities for Stakeholders to provide input during development
- Projects from all areas of the organization to promote redundancy, resiliency, and health & safety
- Conformance with recommendations of master plans, meets regulatory and operational needs
- Ready to move to the next approval stage

GLWA Great Lakes Water Authority

CPC – Capital Planning Committee | **CIP** – Capital Improvement Plan

QUESTIONS & THANK YOU

CIP Delivery Team

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