



CIP Delivery Team

GLWA FY 2026 - 2030 CAPITAL IMPROVEMENT PLAN

GLWA CAPITAL PLANNING COMMITTEE Meeting February 20, 2025

The letters 'CIP' in a large, bold, white font, set against a dark background of a water treatment facility.

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



Updated January 10, 2025



Freud Pump Station Improvements
Photo Submitted by Paul Ransom of Wastewater Operating Services



Northeast Water Treatment Plant Filter Replacement
Photo Submitted by Erich Klun of Water Operating Services

Jody Caldwell, PE
Chief Planning Officer

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

AGENDA



CIP Delivery Team

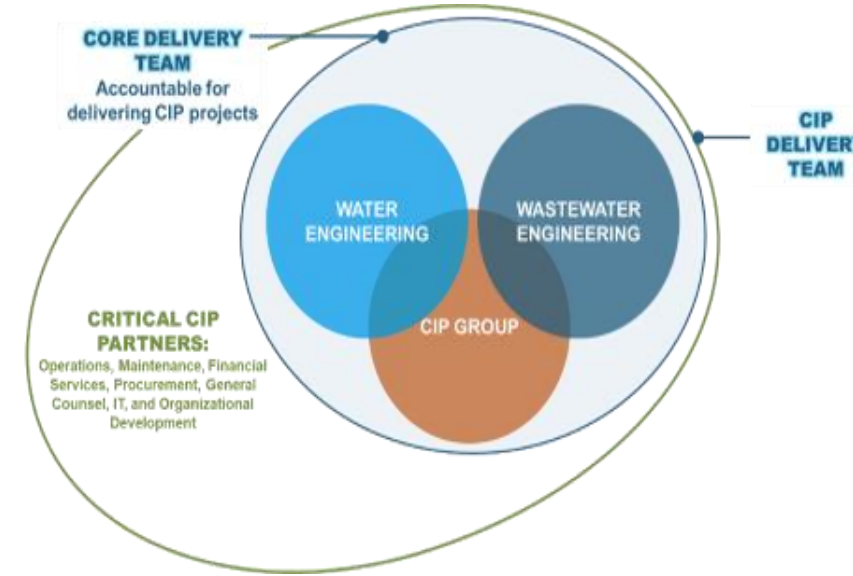
- 🔹 **FY 26-30 CIP ROADMAP**
- 🔹 **FY 26-30 CIP HIGHLIGHTS**
- 🔹 **RECAP AND QUESTIONS**

AGENDA

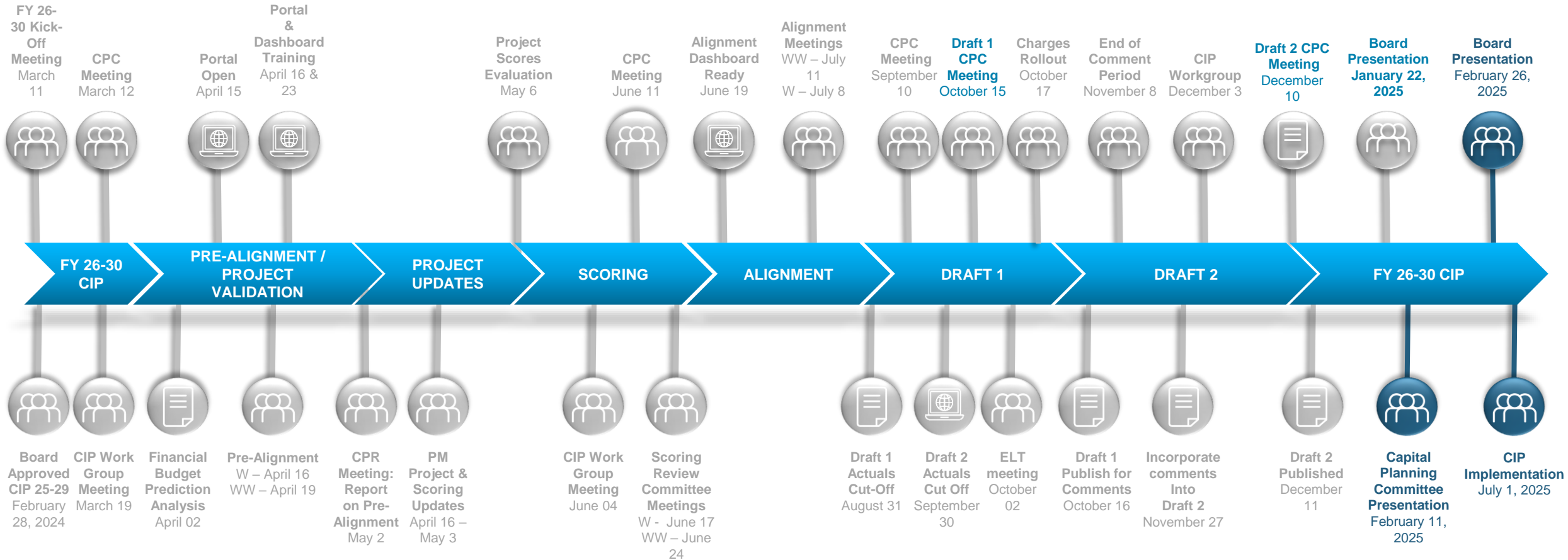


KEY TAKEAWAYS

- 💧 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)



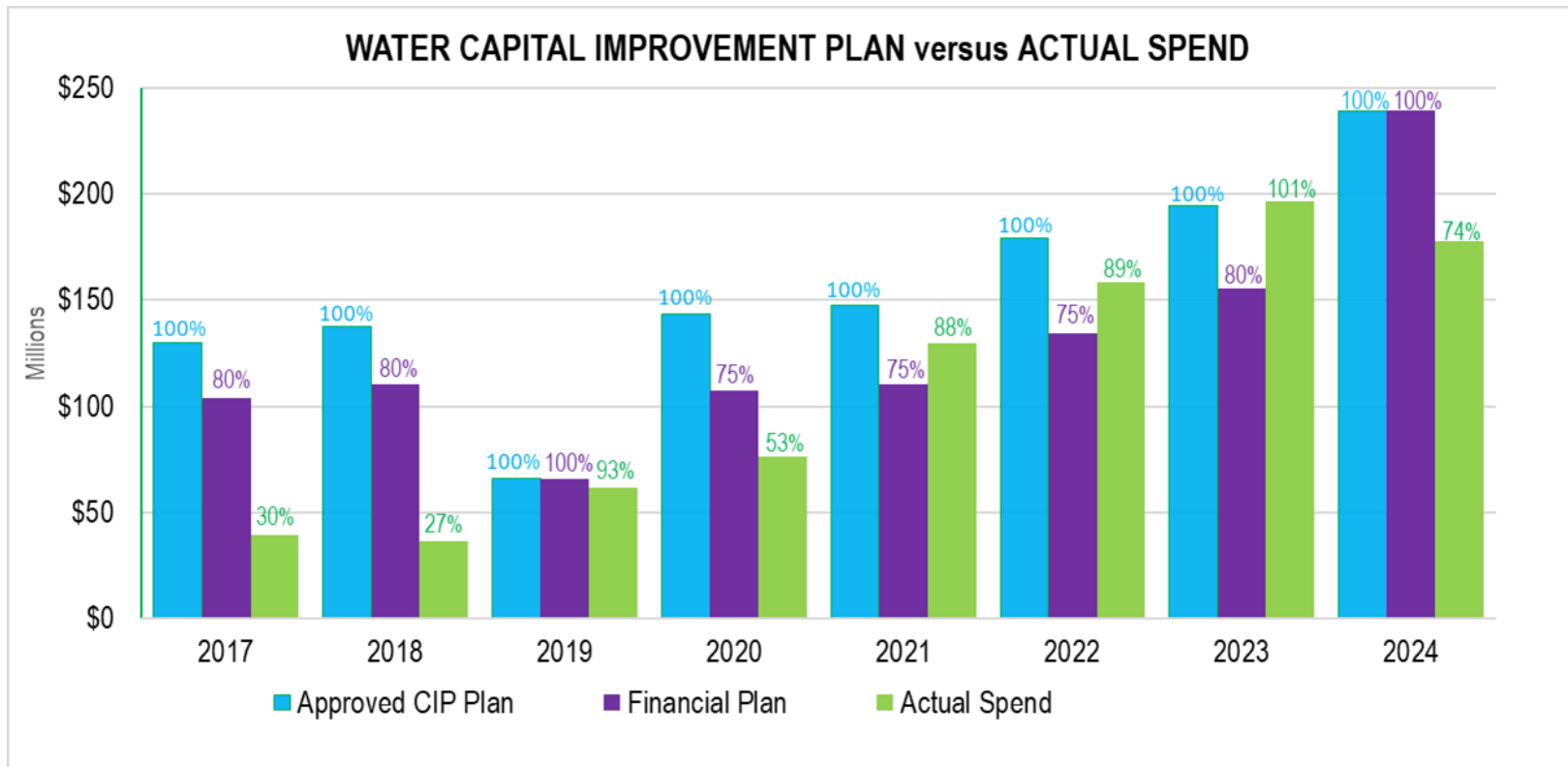
FY 2026-2030 ROADMAP- HOW WE GOT HERE



We Are Here

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

CIP DELIVERY: CIP PLAN PAST PERFORMANCE HIGHLIGHTS

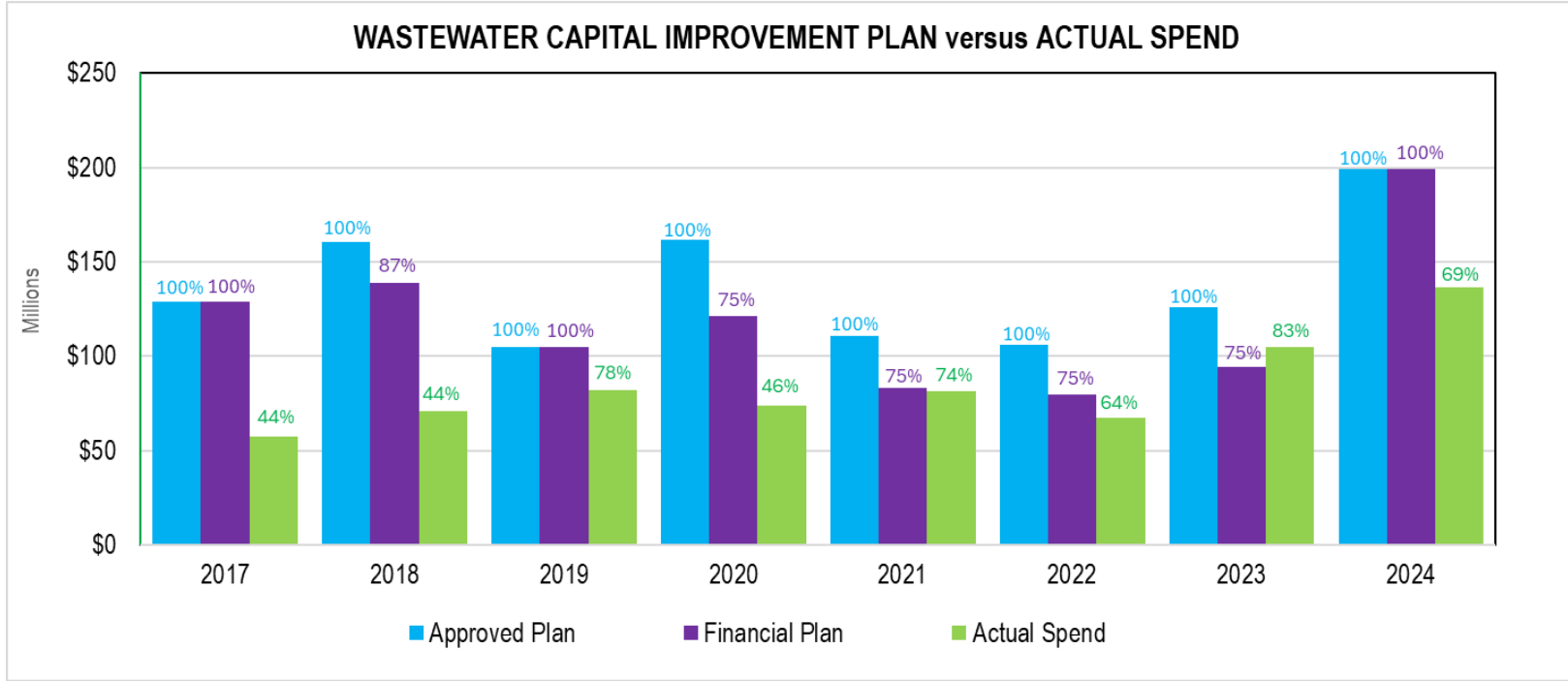


FY 2017 thru FY 2024 Budget Analysis

- Actual Spend exceeded the Financial Plan **three out of the past five years** since introduction AECOM and expanded CIP delivery team
- Improvement & Extension Funds (a/k/a paygo funding) is one resource that is leveraged to continue capital delivery progress when the actual spend approaches the financial plan ceiling
- Engagement of AECOM in 2019 provided engineering services and retooled capital delivery to increase spending – the progress shown in this chart demonstrates that desired outcome
- Due to significantly increased financial constraints, the I&E Funding has been scaled back; the CIP delivery team will provide increased controls on spending to in the future to ensure that spending stays within the financial plan
- The CIP and Financial Plan are dynamic; under- and over-spend are rolled forward and impact future years' budget and charges

Technical Commentary on FY 2024 CIP vs. Actual Spend - The primary reason for the underspending in FY 2024 was to achieve a cost savings in for the CIP # 122004 – 96” Water Main Relocation. In September 2023, the Board of Directors approved the termination of a Construction Manager at Risk (CMAR) contract to pivot to a significantly more cost-effective Design-Bid-Build delivery methods. The impact of negotiating and implementing this approach was a deferral of spend from FY 2024 to FY 2025.

WASTEWATER CIP DELIVERY: CSR-PAST PERFORMANCE



FY 2017 thru FY 2024 Budget Analysis

- Actual Spend equaled or exceeded the Financial Plan **two out of the past five years** since introduction AECOM and expanded CIP delivery team
- Improvement & Extension Funds (a/k/a paygo funding) is one resource that is leveraged to continue capital delivery progress when the actual spend approaches the financial plan ceiling
- Engagement of AECOM in 2019 provided engineering services and retooled capital delivery to increase spending – the progress shown in this chart demonstrates that desired outcome
- Due to significantly increased financial constraints, the I&E Funding has been scaled back; the CIP delivery team will provide increased controls on spending to in the future to ensure that spending stays within the financial plan
- The CIP and Financial Plan are dynamic; under- and over-spend are rolled forward and impact future years' budget and charges

Technical Commentary on FY 2024 CIP vs. Actual Spend – examples for reasons for the underspending in FY 2024: **1)** CIP # 232002 – Connor Creek Pump Station Improvements. The Board of Directors awarded a contract for approximately \$139 million on February 28, 2024. Due to the magnitude of this project, additional time was incurred in bid evaluation and contract negotiation. **2)** CIP #212008 WRRF Aeration Improvements 1 and 2 bids were \$125 million higher than engineers estimate. Value engineering took about nine months, and the award was delayed. No significant spending was realized in FY 24. **3)** CIP #211006-WRRF PS 1 - Project was delayed by SRF funding being provided for the project and thus the original start date and all associated elements were delayed by approximately 7 months. SRF funding provided access to low interest loan and approximately \$10M in principle forgiveness. The underspending in FY 2024 results in a deferral of spending to subsequent years.

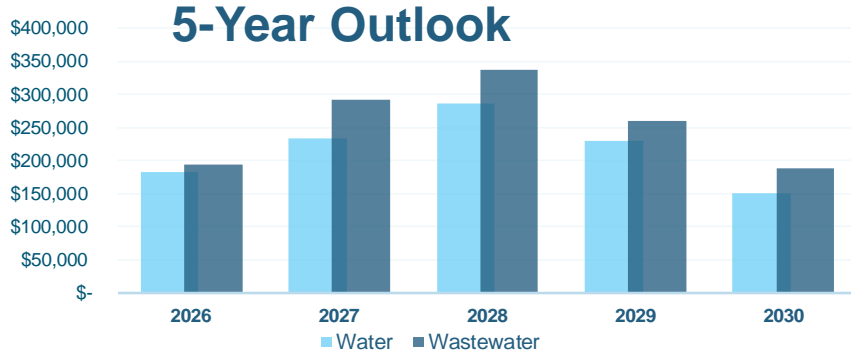
FY 2026-2030 CIP HIGHLIGHTS



CIP Delivery Team



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

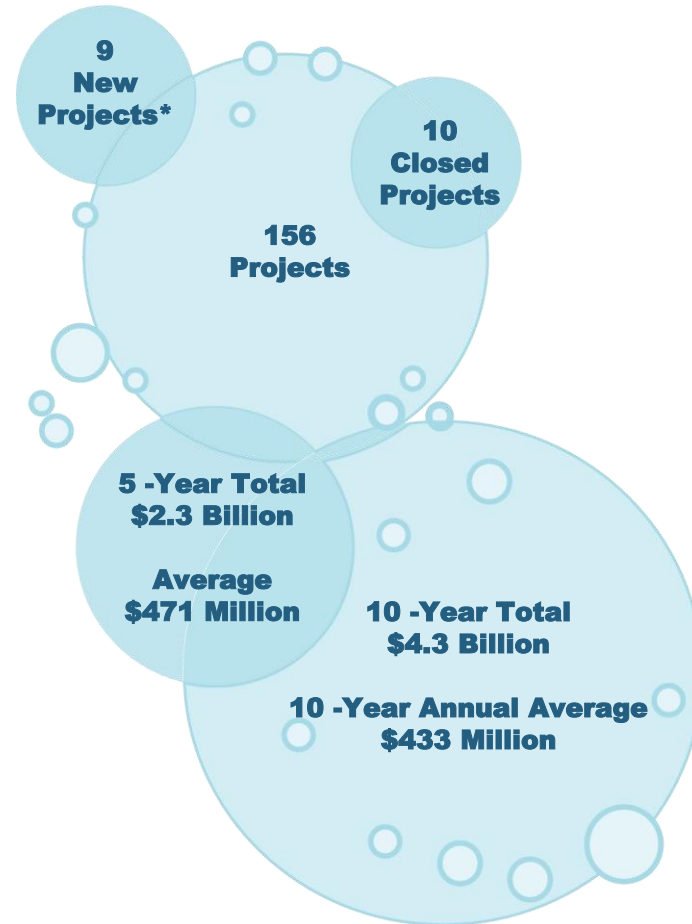


Financial figures in \$1,000s and rounded

WATER	
5-Year Total	\$1,083,229
5-Year Average	\$216,646
10-Year Total	\$2,216,920
10-Year Average	\$221,692

WASTEWATER	
5-Year Total	\$1,271,603
5-Year Average	\$254,321
10-Year Total	\$2,112,834
10-Year Average	\$211,283

* Based on Sep 30, 2024, actuals and PM cost and schedule updates as of Nov 15, 2024



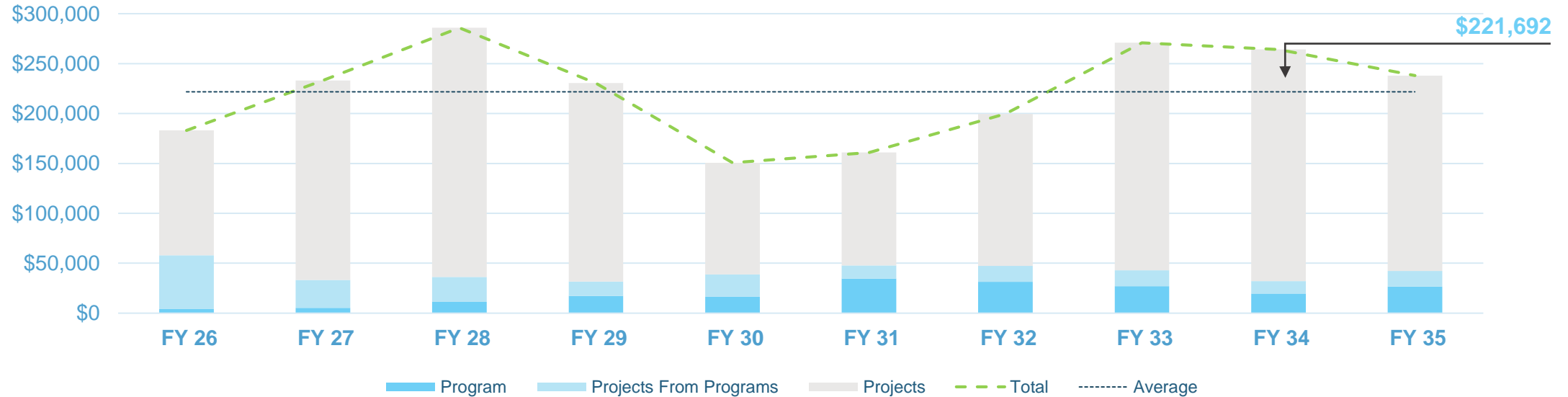
***5 NEW PROJECTS FROM PROGRAMS**

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



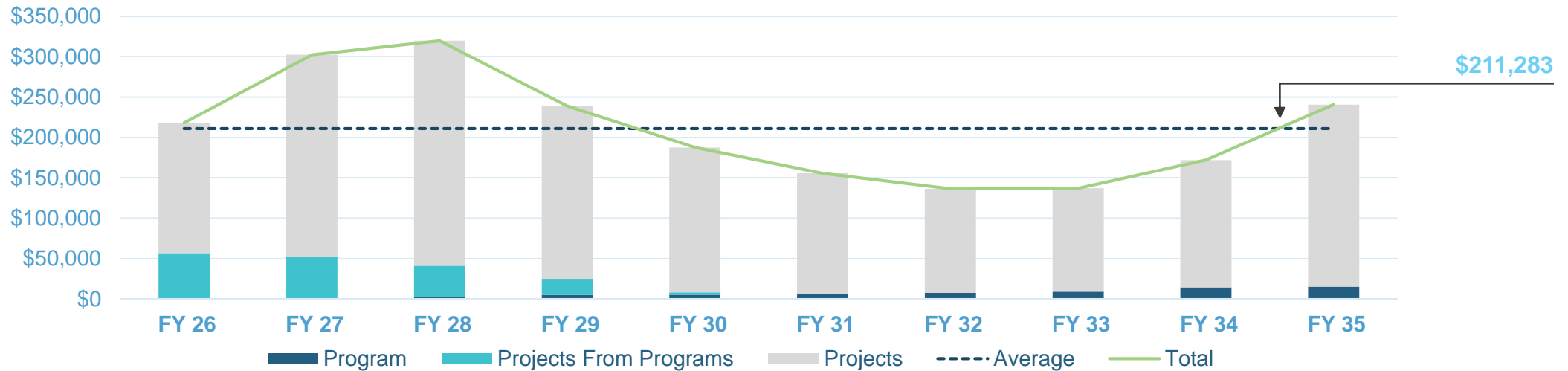
Financial figures in \$1,000s and rounded

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

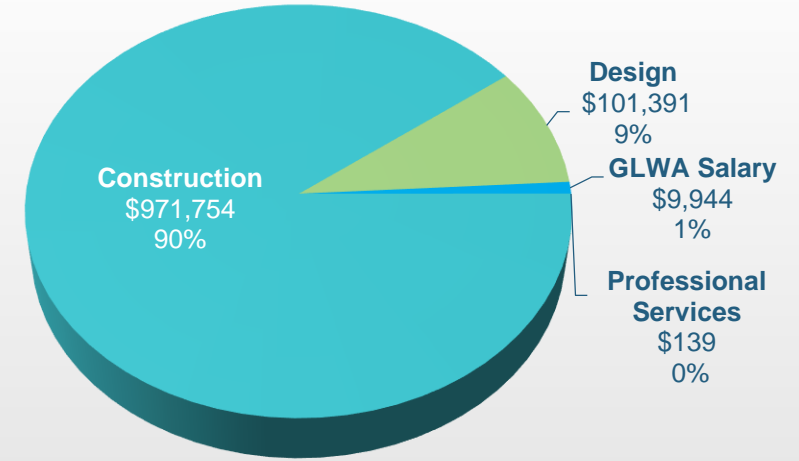
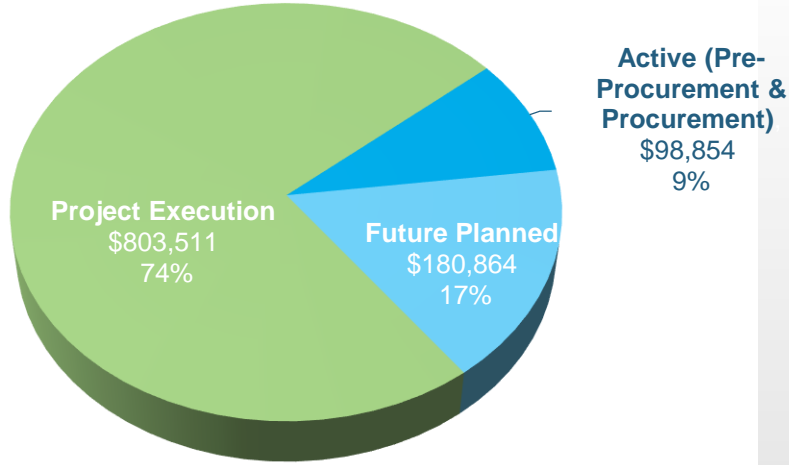
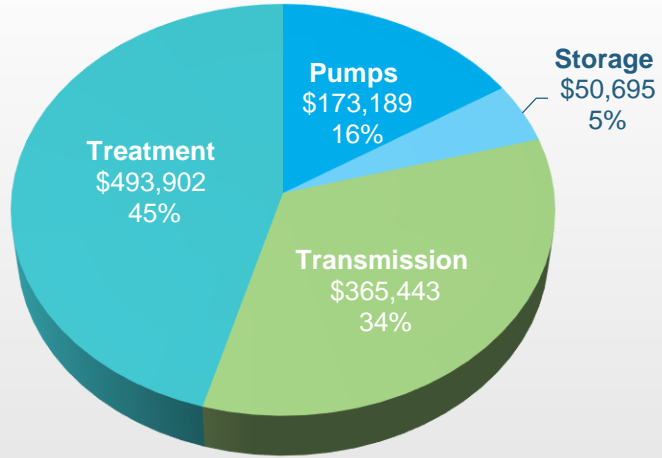
10-Year Wastewater CIP Outlook



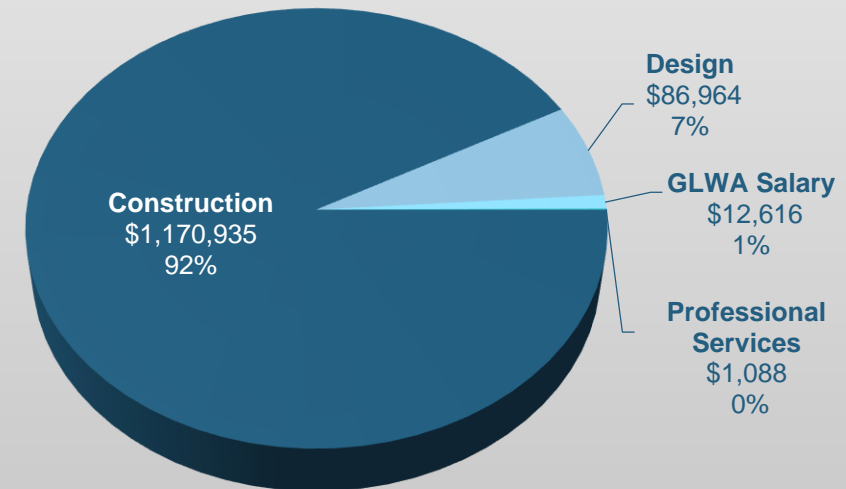
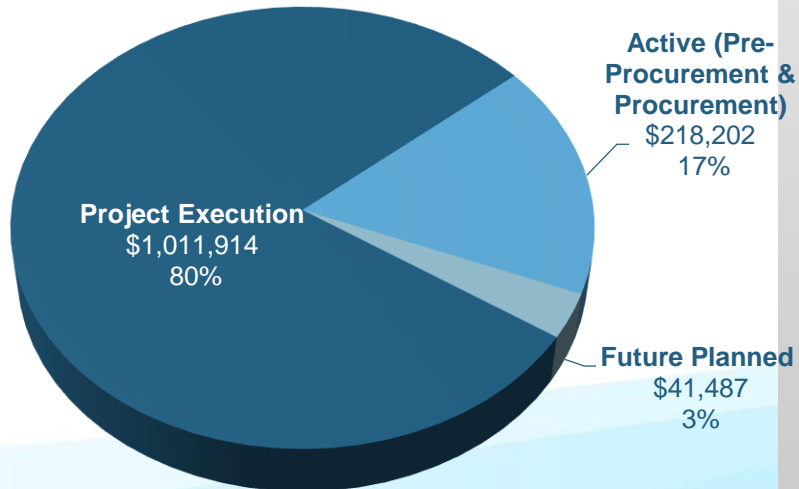
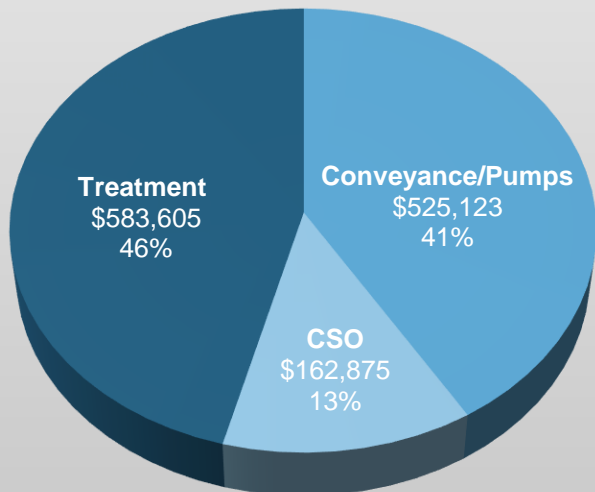
Financial figures in \$1,000s and rounded

FY 2026-2030 CIP STATISTICS AND RECAP

WATER



WASTEWATER



Financial figures in \$1,000s and rounded

RECAP & NEXT STEPS

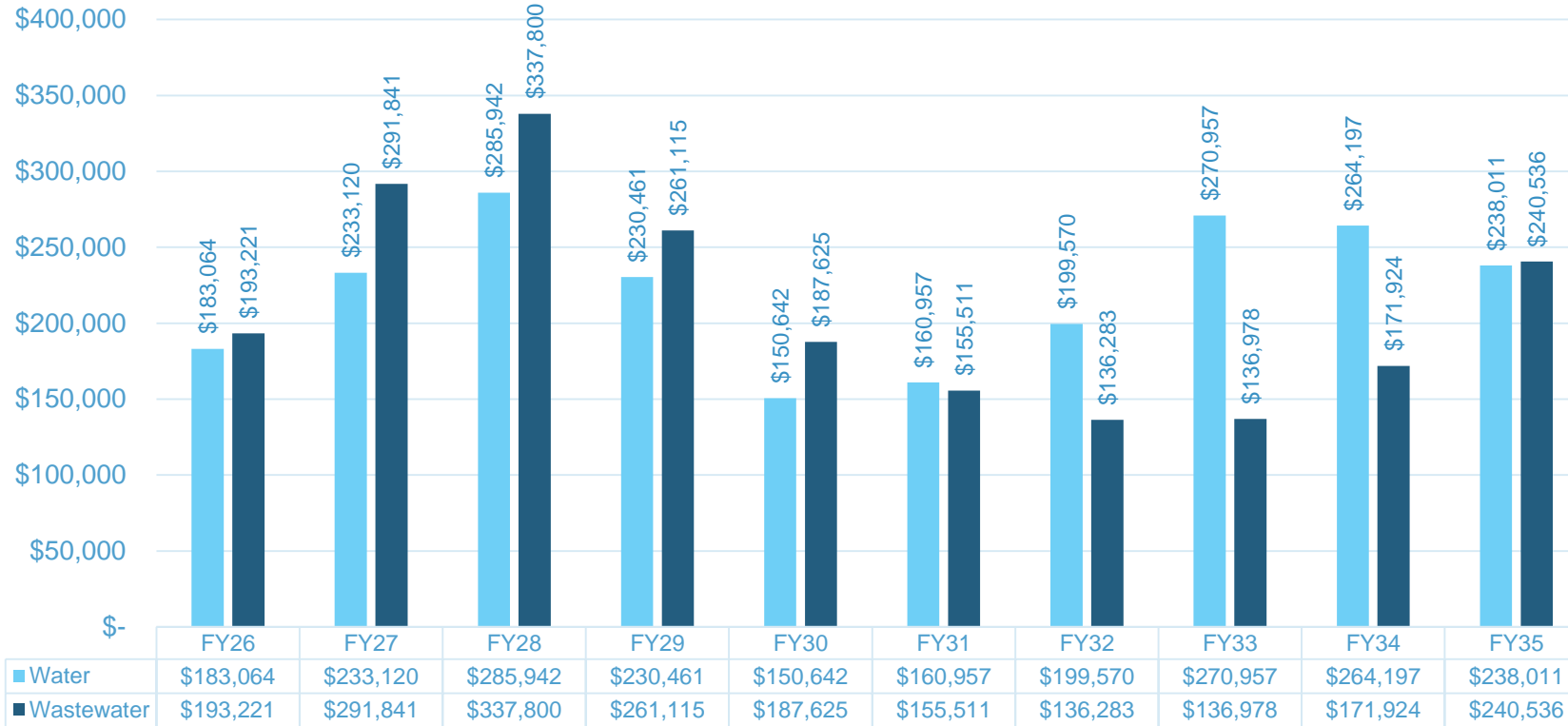


CIP Delivery Team

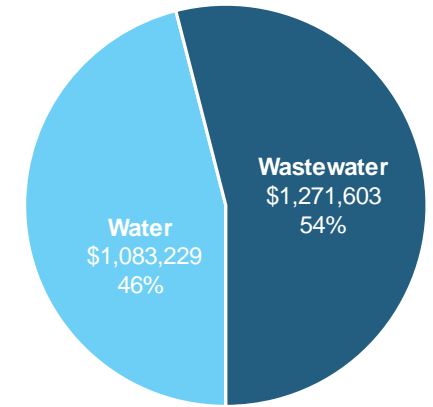
WATER & WASTEWATER CIP FY 2026 - 2035

(10 YEAR PROJECTIONS)

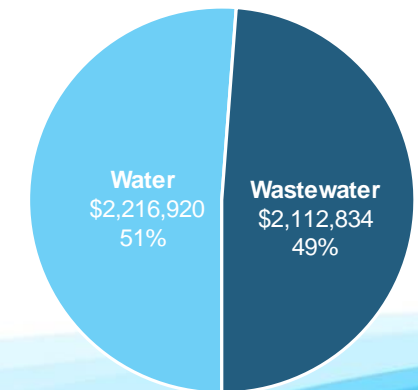
10 Year CIP



CIP FY 26-30 (5 Year) Business Unit



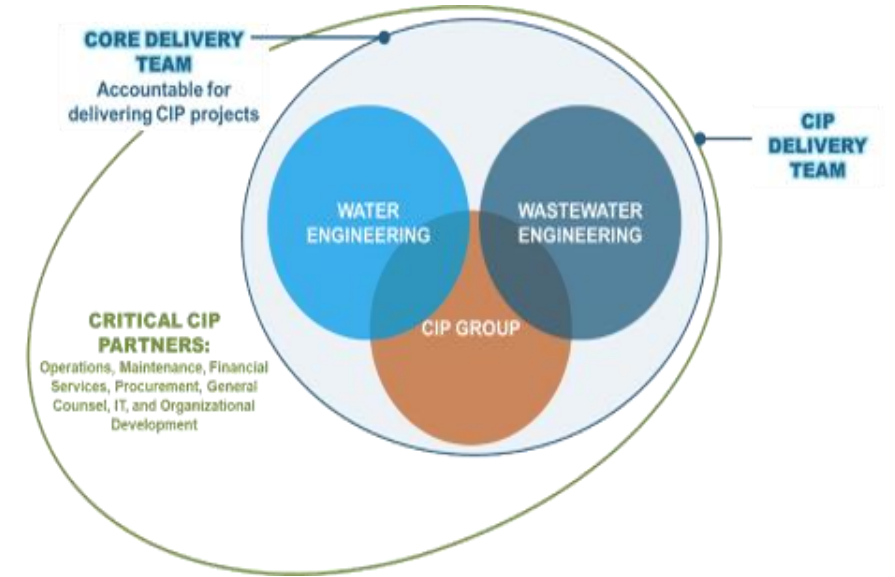
CIP FY 26-35 (10 Year) Business Unit



Financial figures in \$1,000s

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QUESTIONS & THANK YOU



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