



CIP Delivery Team

# GLWA FY 2026 - 2030 CAPITAL IMPROVEMENT PLAN

## GLWA CAPITAL PLANNING COMMITTEE Meeting February 20, 2025

The letters 'CIP' in a large, white, bold, sans-serif font, set against a dark, textured background that appears to be a close-up of a concrete structure.

**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

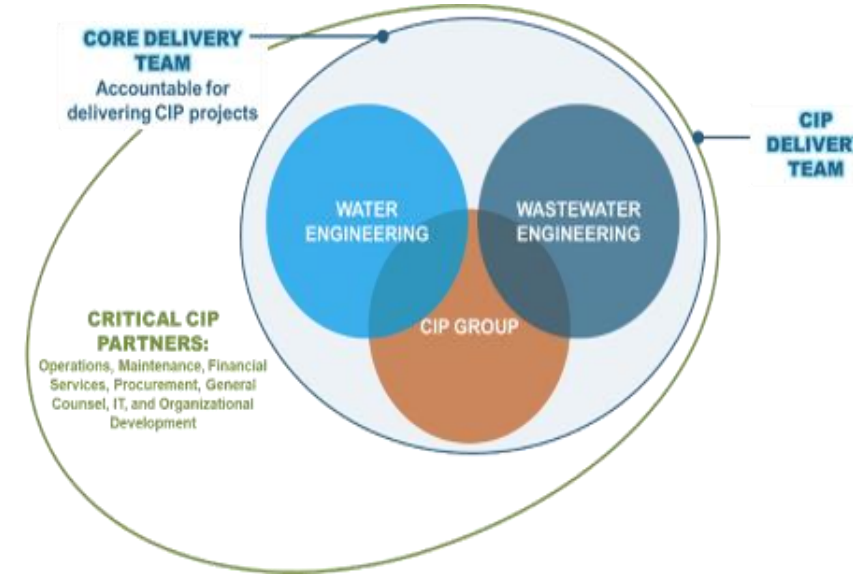
- 💧 **FY 26-30 CIP ROADMAP**
- 💧 **FY 26-30 CIP HIGHLIGHTS**
- 💧 **RECAP AND QUESTIONS**

AGENDA

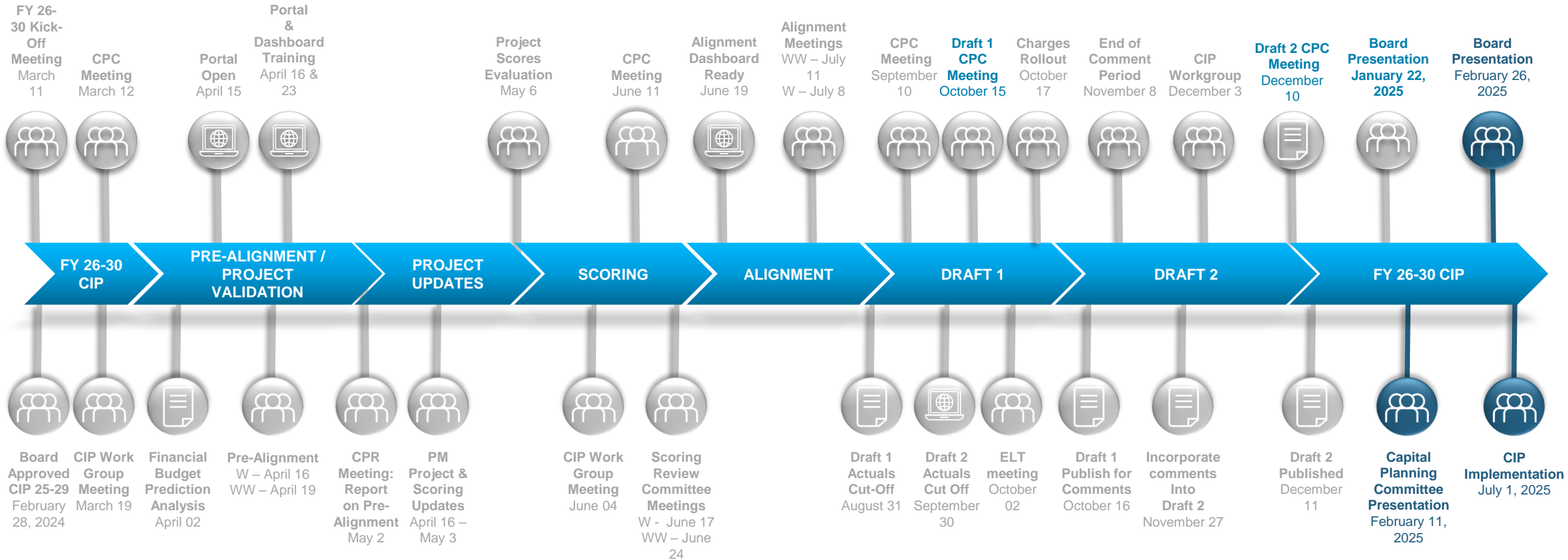


# KEY TAKEAWAYS

- 💧 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)



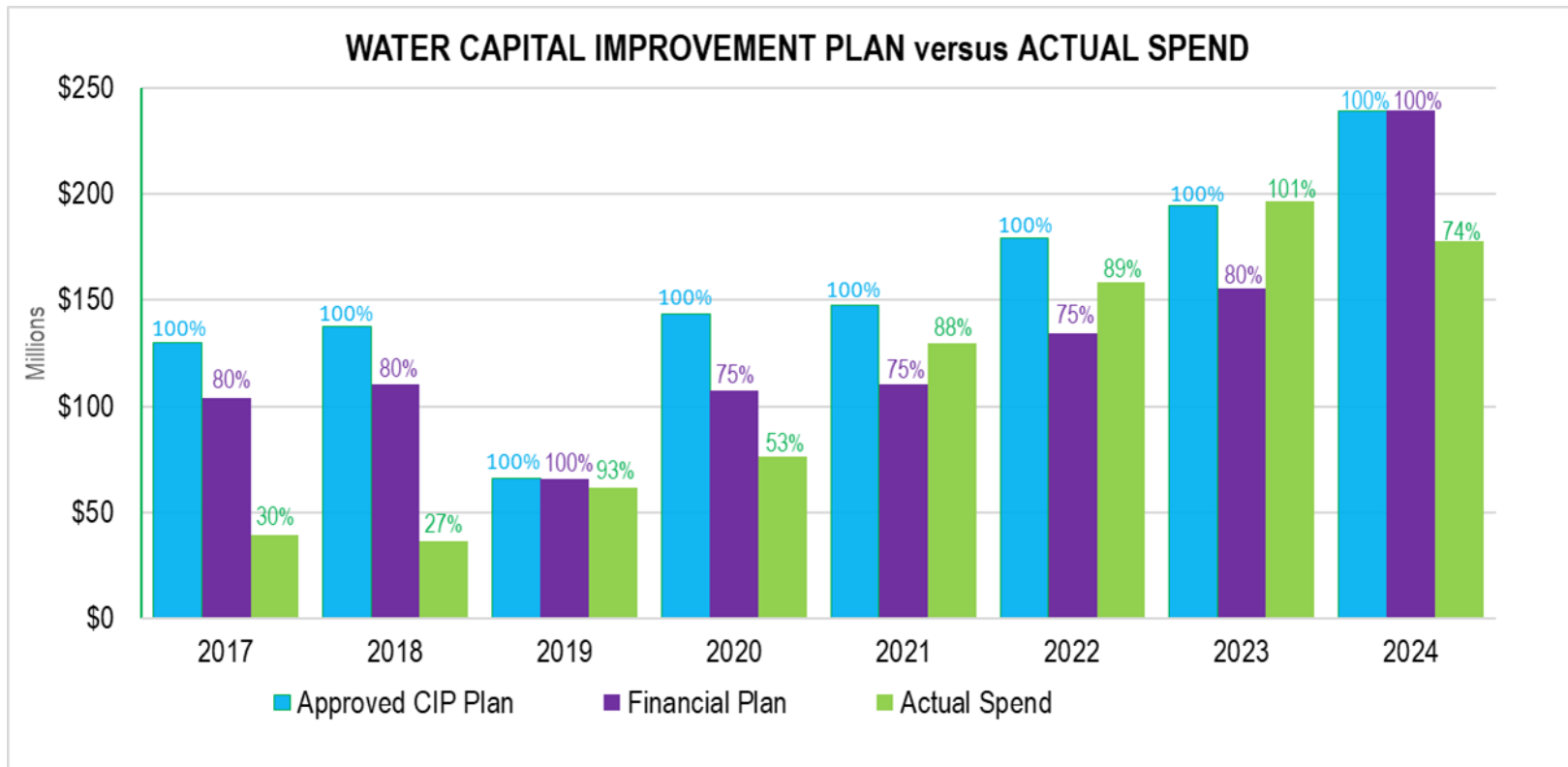
# FY 2026-2030 ROADMAP- HOW WE GOT HERE



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

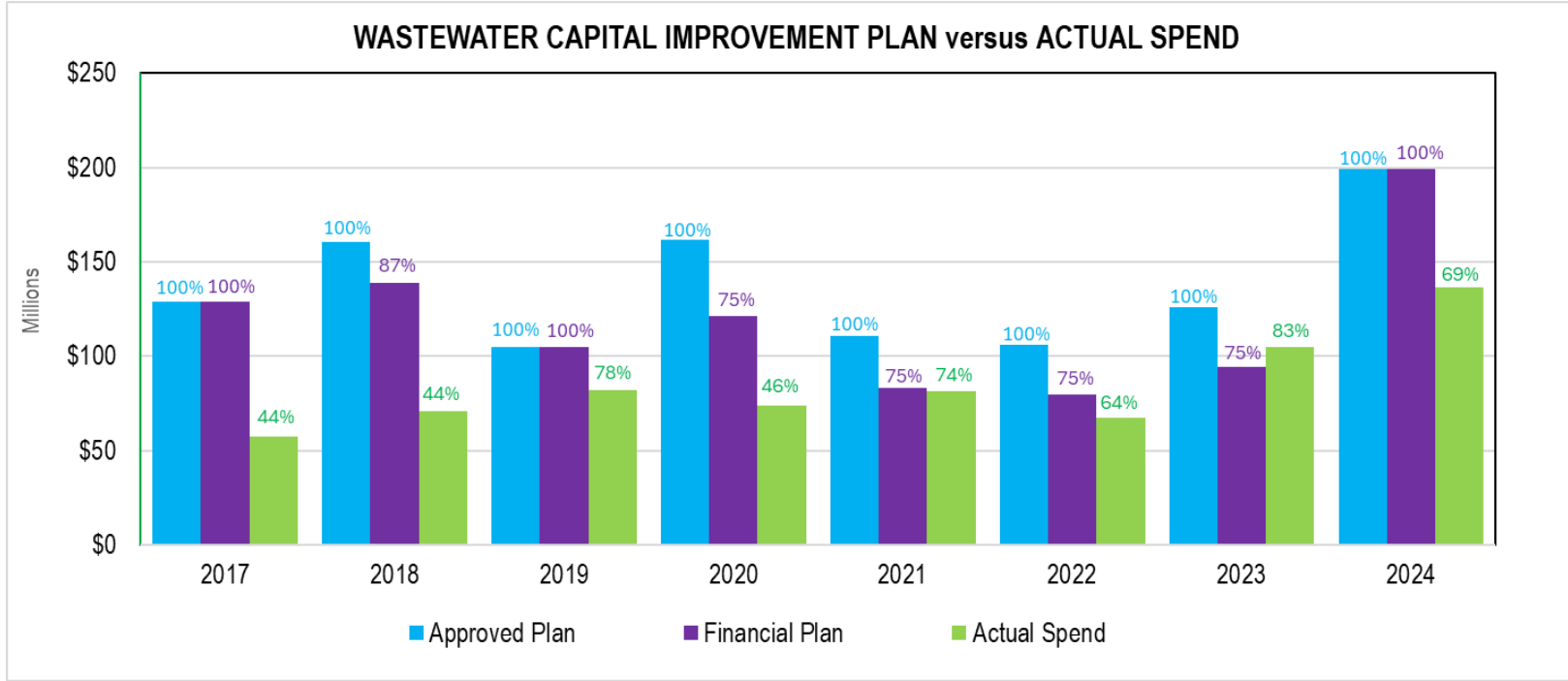


## FY 2017 thru FY 2024 Budget Analysis

- 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.

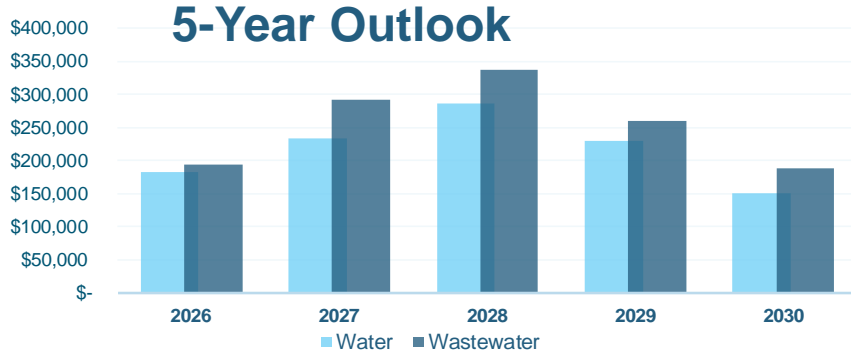
# FY 2026-2030 CIP HIGHLIGHTS



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**



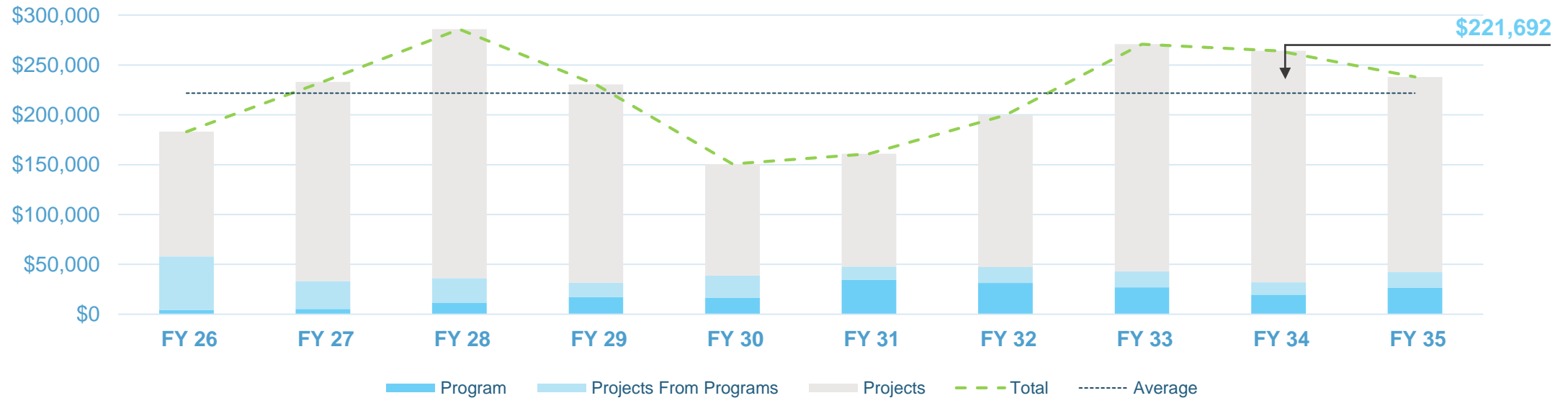


# WATER FY 2026 - 2035 10-YEAR CIP OUTLOOK



|                        | 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         |
| <b>Total</b>           | <b>\$179,407</b> | <b>\$183,064</b> | <b>\$233,120</b> | <b>\$285,942</b> | <b>\$230,461</b> | <b>\$150,642</b> | <b>\$160,957</b> | <b>\$199,570</b> | <b>\$270,957</b> | <b>\$264,197</b> | <b>\$238,011</b> |

### 10-Year Water CIP Outlook



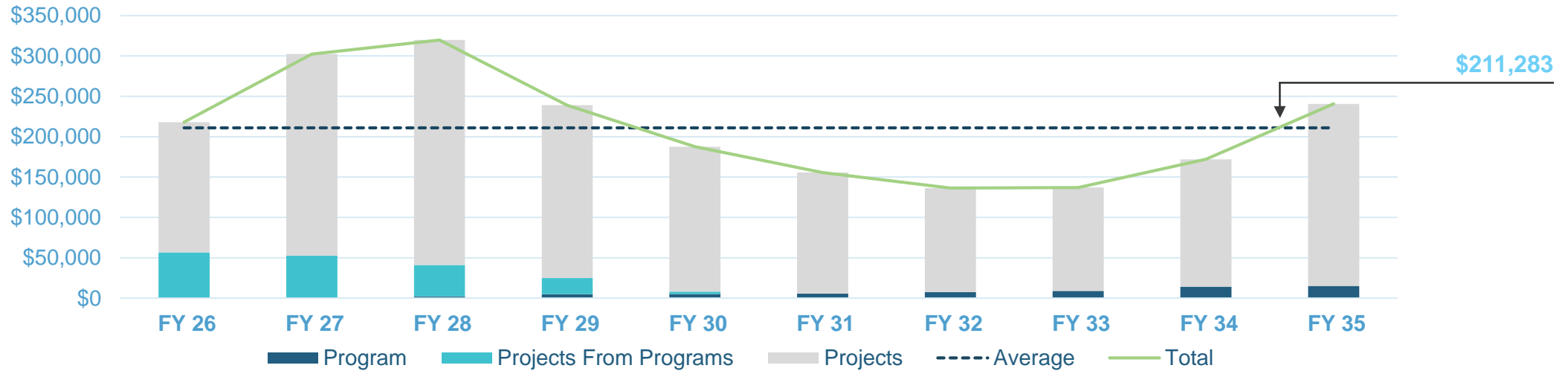
Financial figures in \$1,000s and rounded

# 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              |
| <b>Total</b>           | <b>\$163,269</b> | <b>\$193,221</b> | <b>\$291,841</b> | <b>\$337,800</b> | <b>\$261,115</b> | <b>\$187,625</b> | <b>\$155,511</b> | <b>\$136,283</b> | <b>\$136,978</b> | <b>\$171,924</b> | <b>\$240,536</b> |

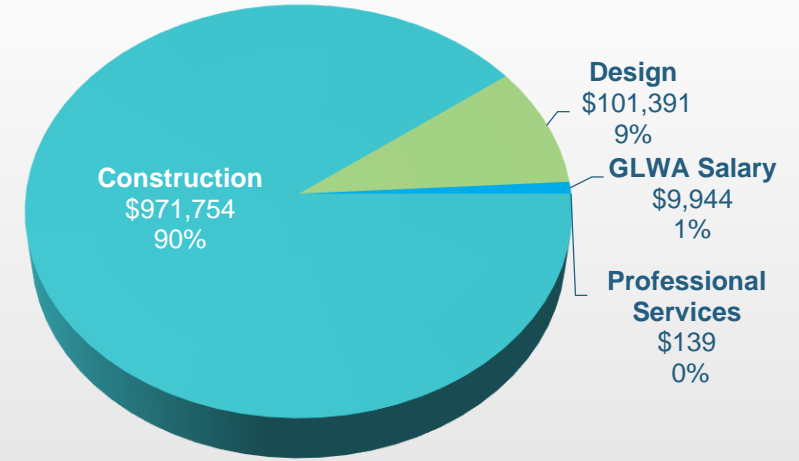
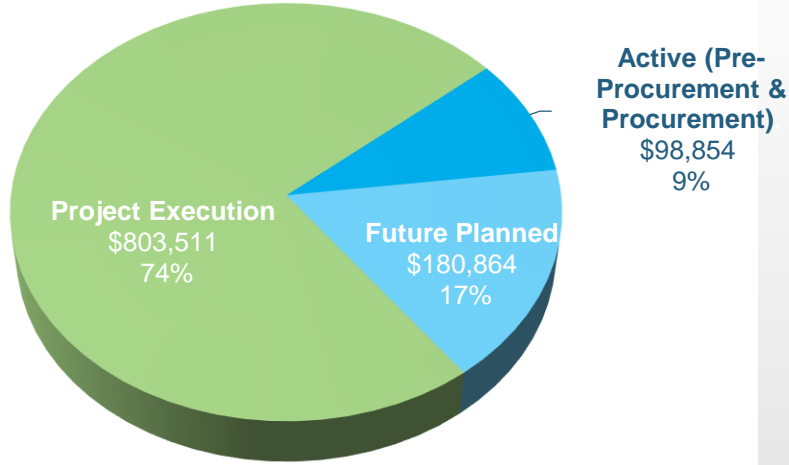
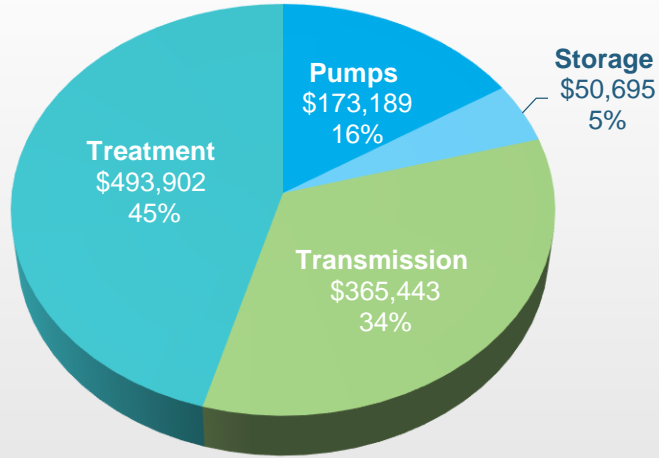
## 10-Year Wastewater CIP Outlook



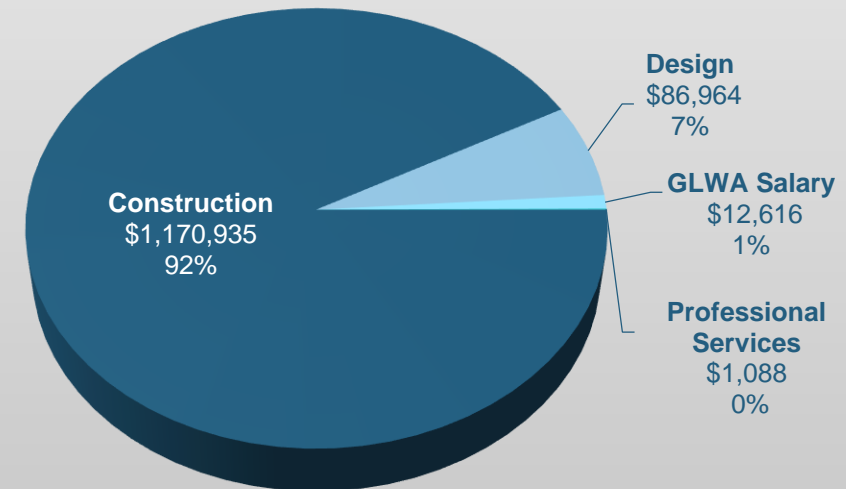
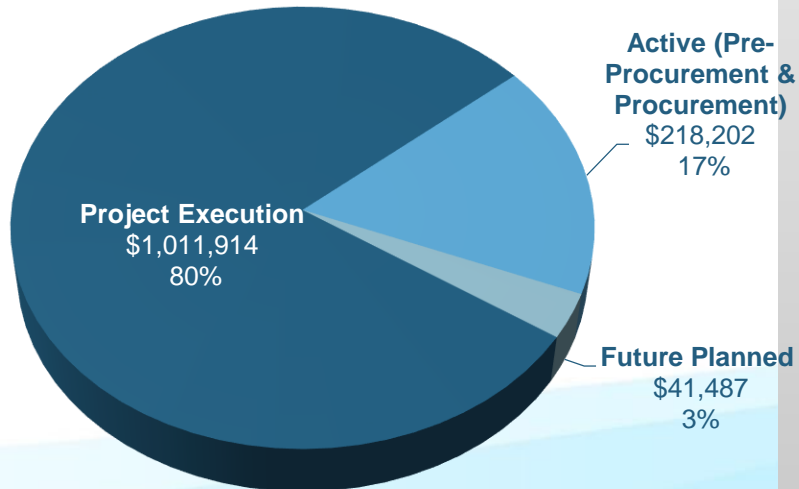
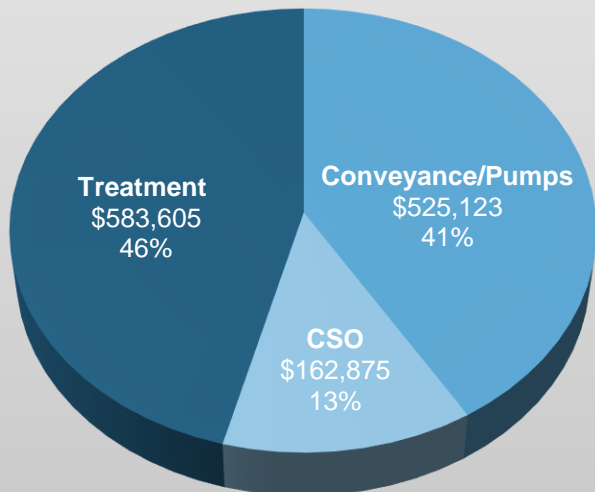
Financial figures in \$1,000s and rounded

# FY 2026-2030 CIP STATISTICS AND RECAP

## WATER



## WASTEWATER



Financial figures in \$1,000s and rounded

# RECAP & NEXT STEPS

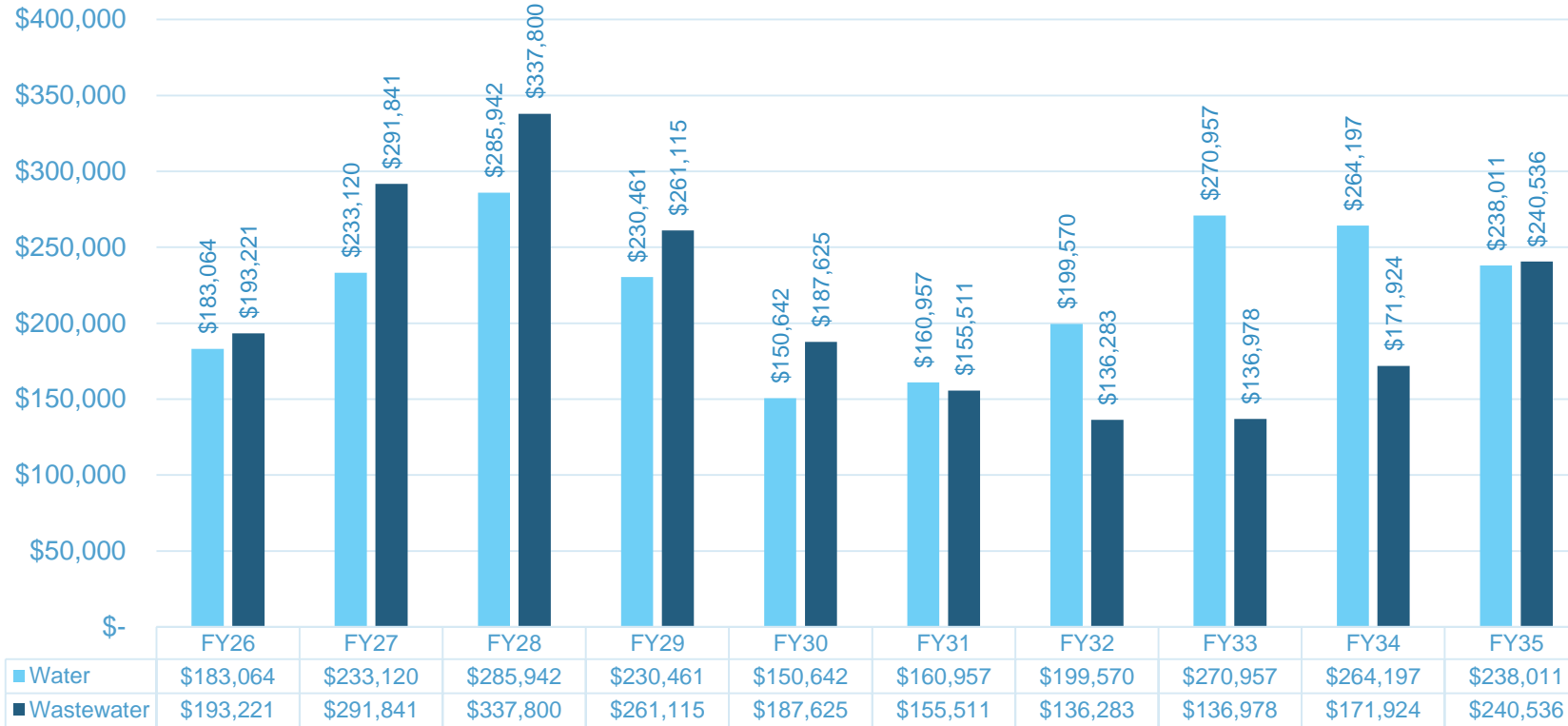


CIP Delivery Team

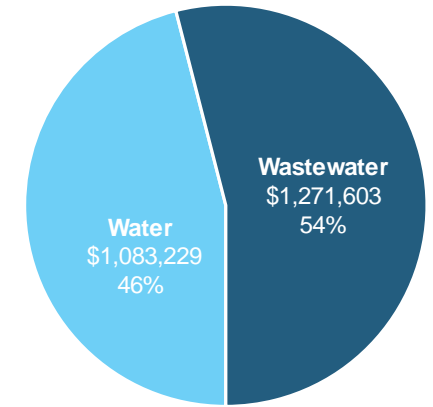
# WATER & WASTEWATER CIP FY 2026 - 2035

## (10 YEAR PROJECTIONS)

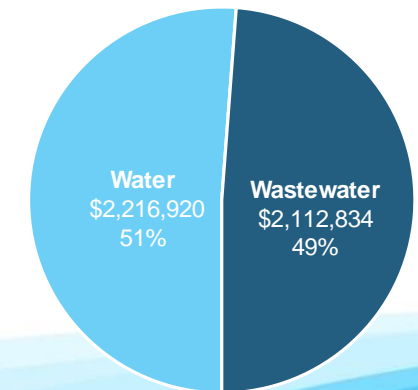
10 Year CIP



CIP FY 26-30 (5 Year) Business Unit



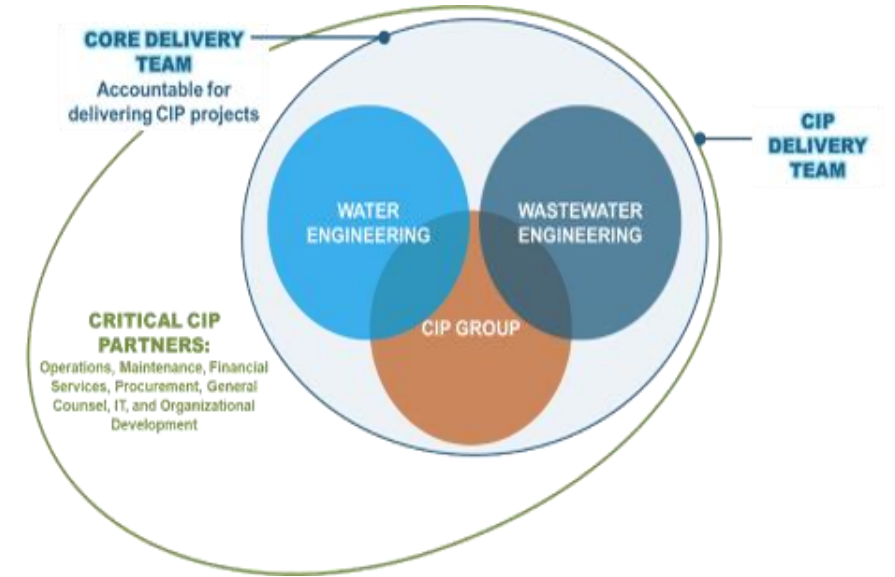
CIP FY 26-35 (10 Year) Business Unit



Financial figures in \$1,000s

# KEY TAKEAWAYS

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# QUESTIONS & THANK YOU



CIP Delivery Team