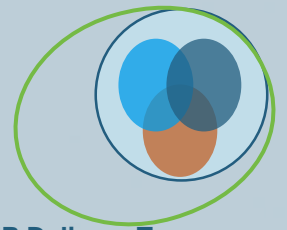


CIP Program Update CAPITAL PLANNING COMMITTEE

September 13, 2022



CIP Delivery Team



Jody Caldwell, Chief Planning Officer

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

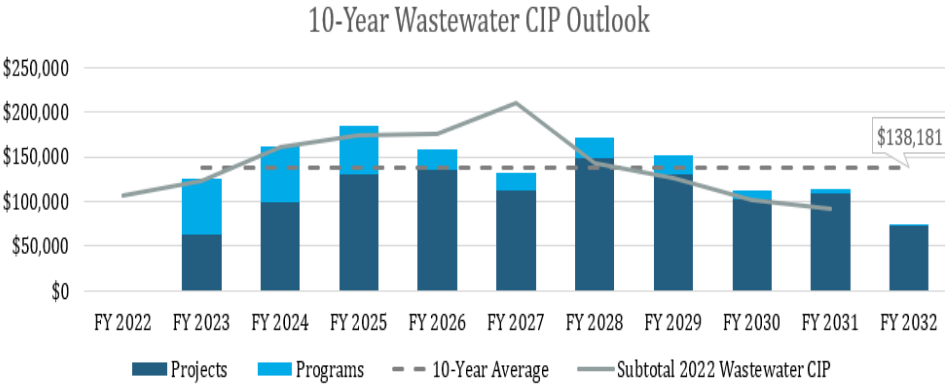
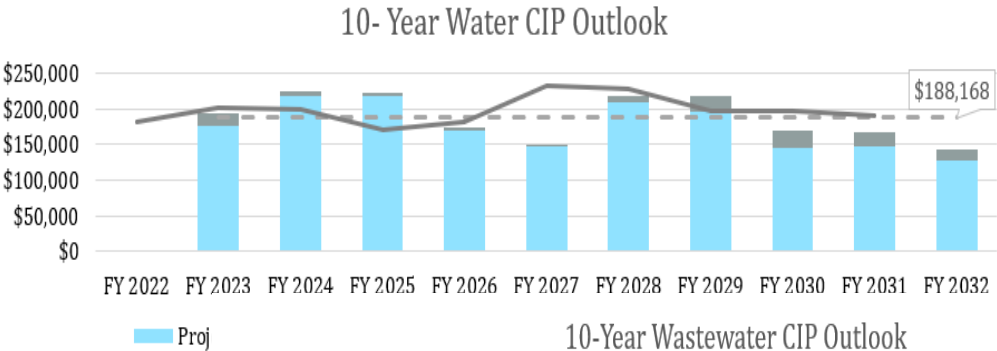
AGENDA



💧 CIP Update

- 💧 FY 2022 KPIs
- 💧 Milestone Schedule
- 💧 Alignment Update

💧 Program Management Updates

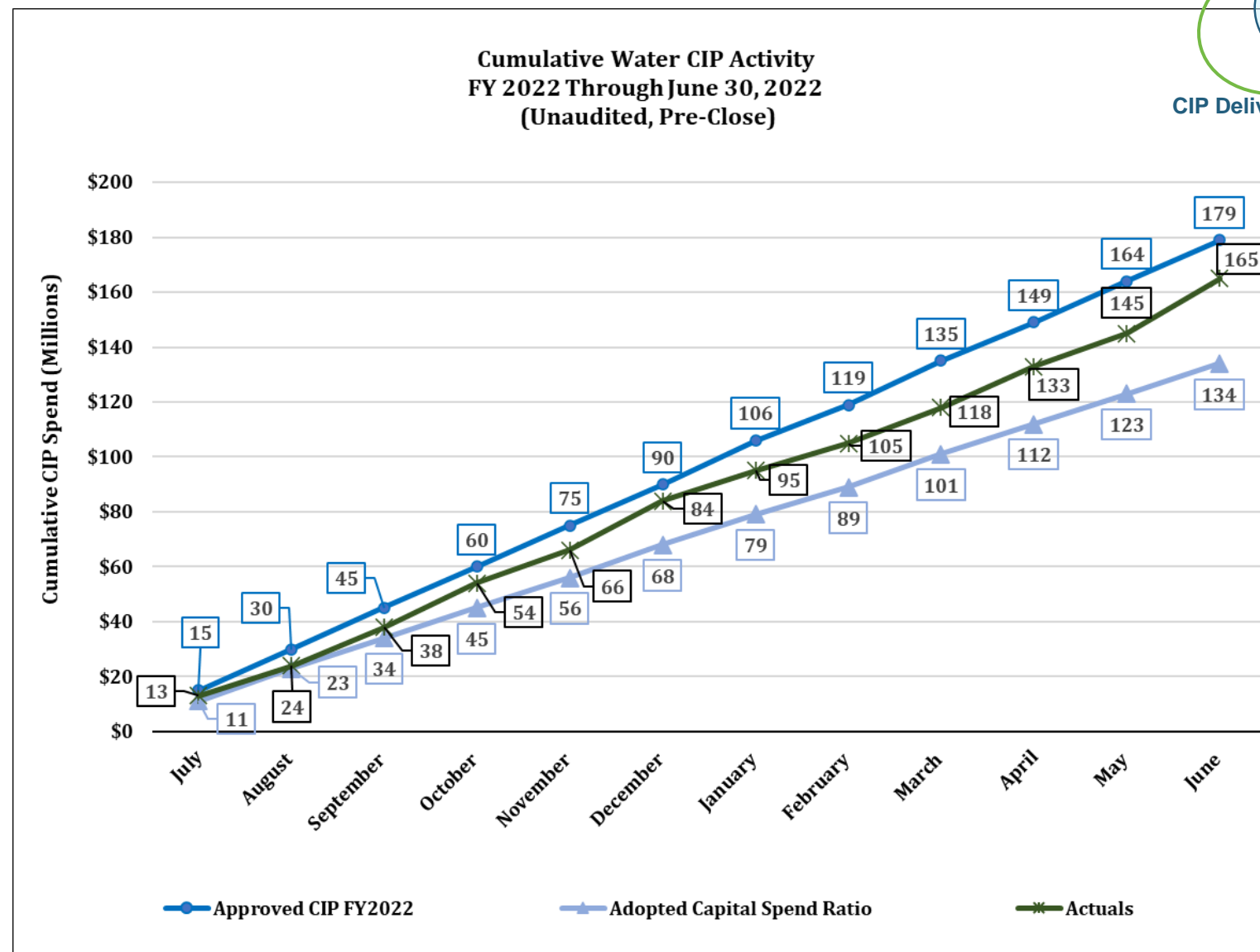


Enterprise Resiliency FY 2022 Total Water CIP Spend

Current Status:

The water system incurred \$165 million of CIP costs through June 2022.

This is 92% of the FY 2022 monthly prorated Approved CIP and 123% of the Adopted Capital Spend Ratio amount.

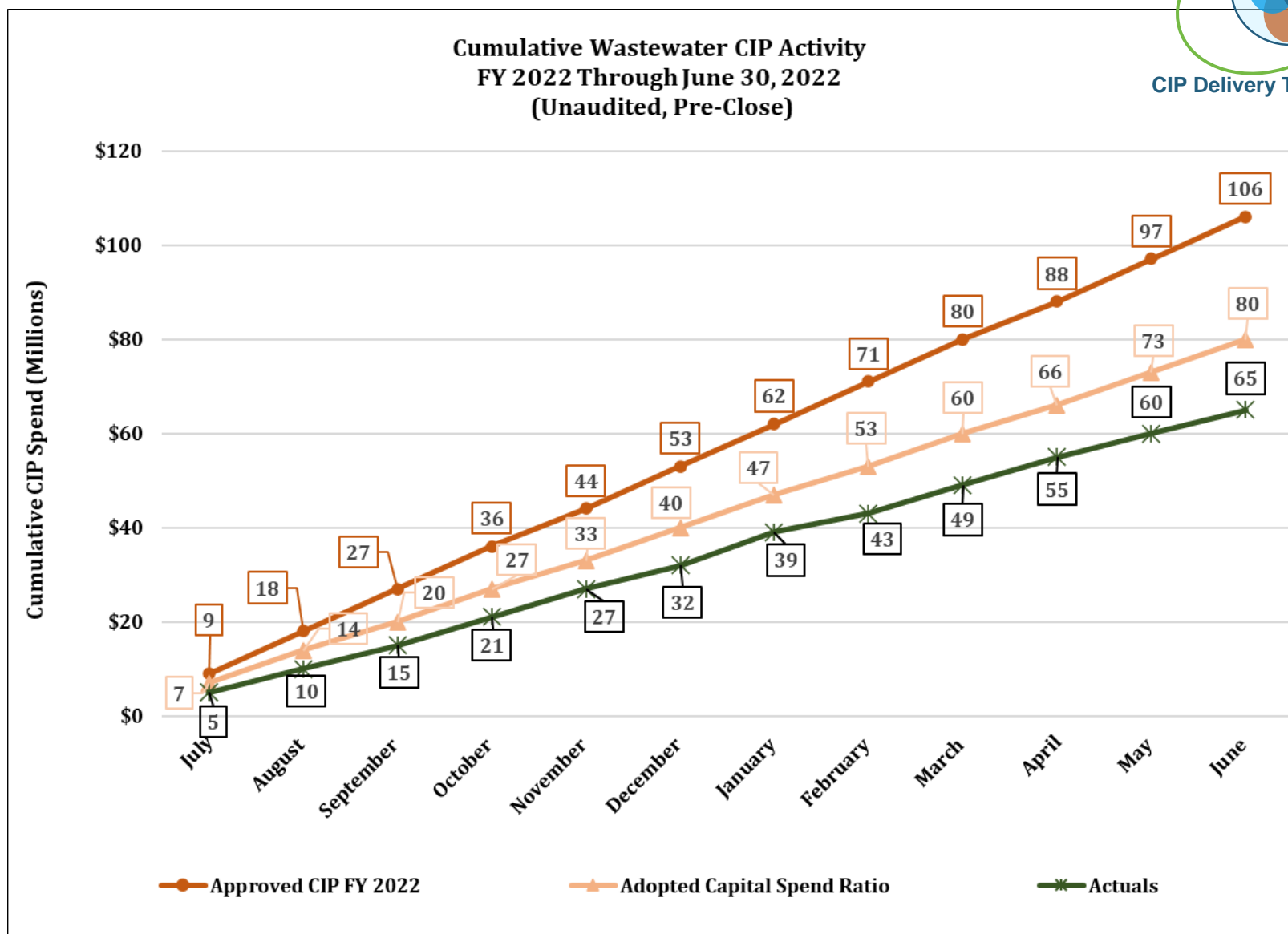


Enterprise Resiliency FY 2022 Total Sewer CIP Spend

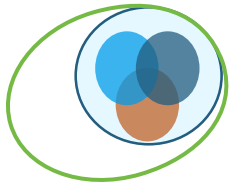
Current Status:

The sewer system incurred \$65 million of CIP costs through June 2022.

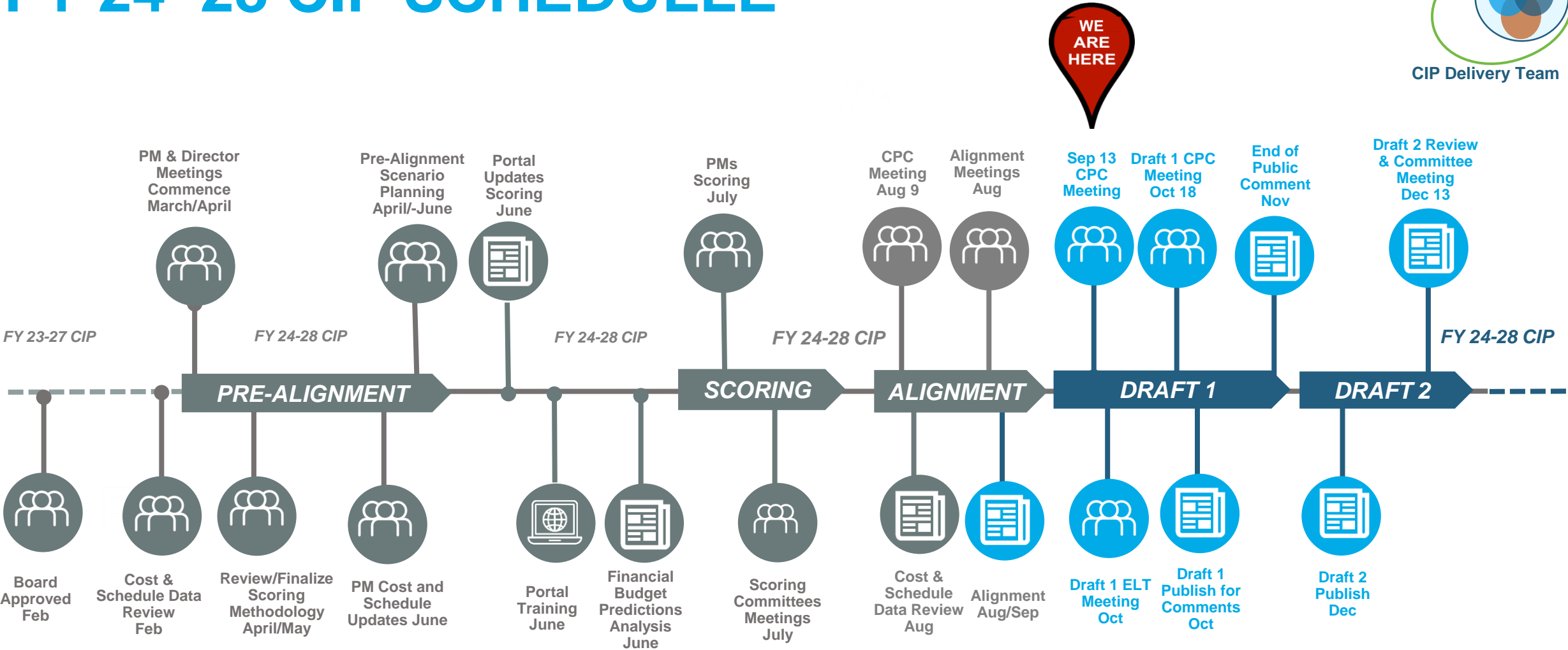
This is 61% of the FY 2022 monthly Prorated Approved CIP and 81% of the Adopted Capital Spend Ratio amount.



FY 24–28 CIP SCHEDULE



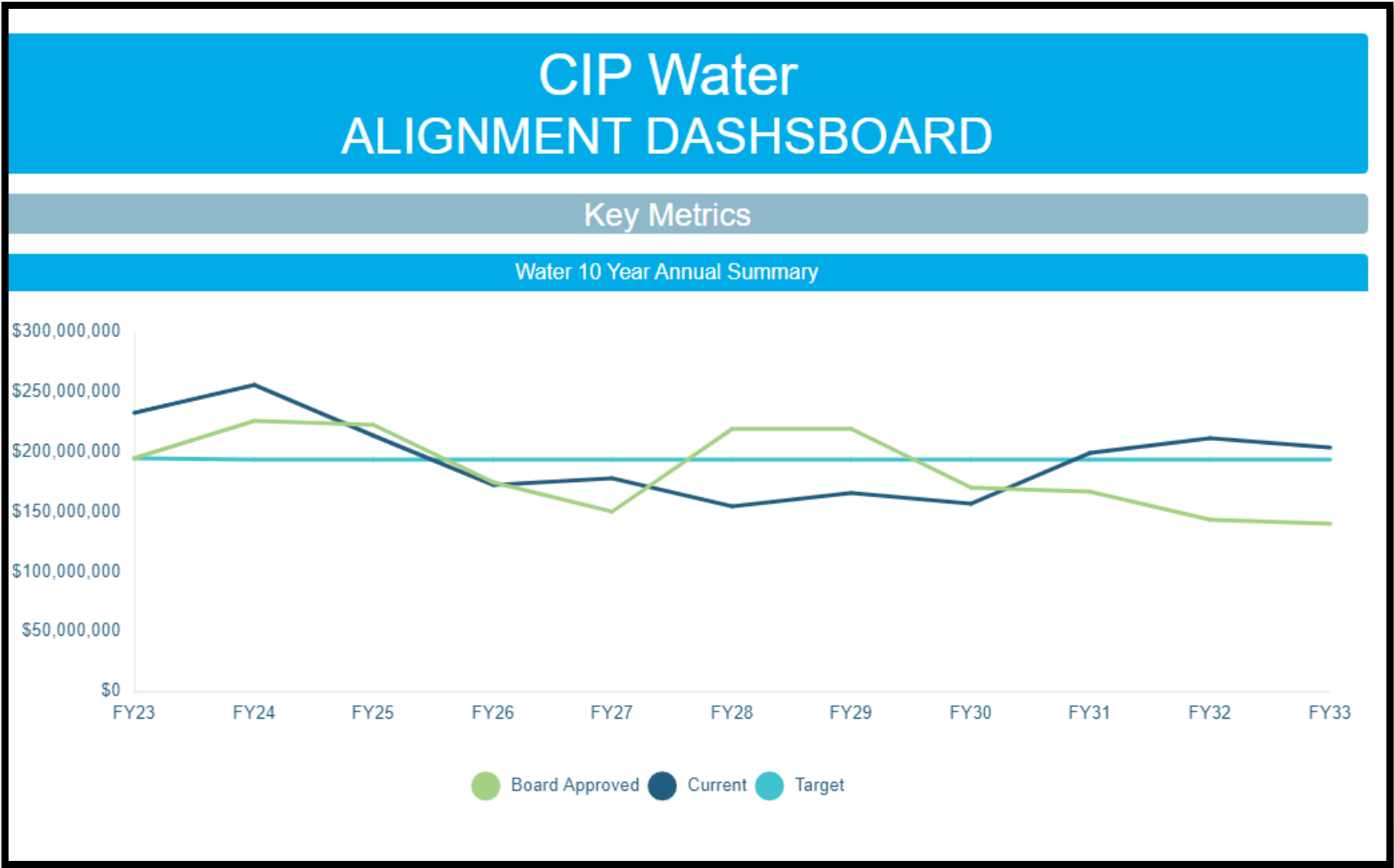
CIP Delivery Team



CIP PROCESS OPTIMIZATION



💧 Alignment Dashboard



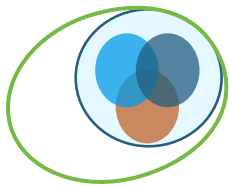
ALIGNMENT PROGRESS



💧 FY 24-28 Alignment

	Target Budget FY 24-28	Current Planning Scenario FY 24-28
Water	\$ 965 M	\$ 972 M
Wastewater	\$ 760 M	\$ 761 M

ALIGNMENT PROGRESS

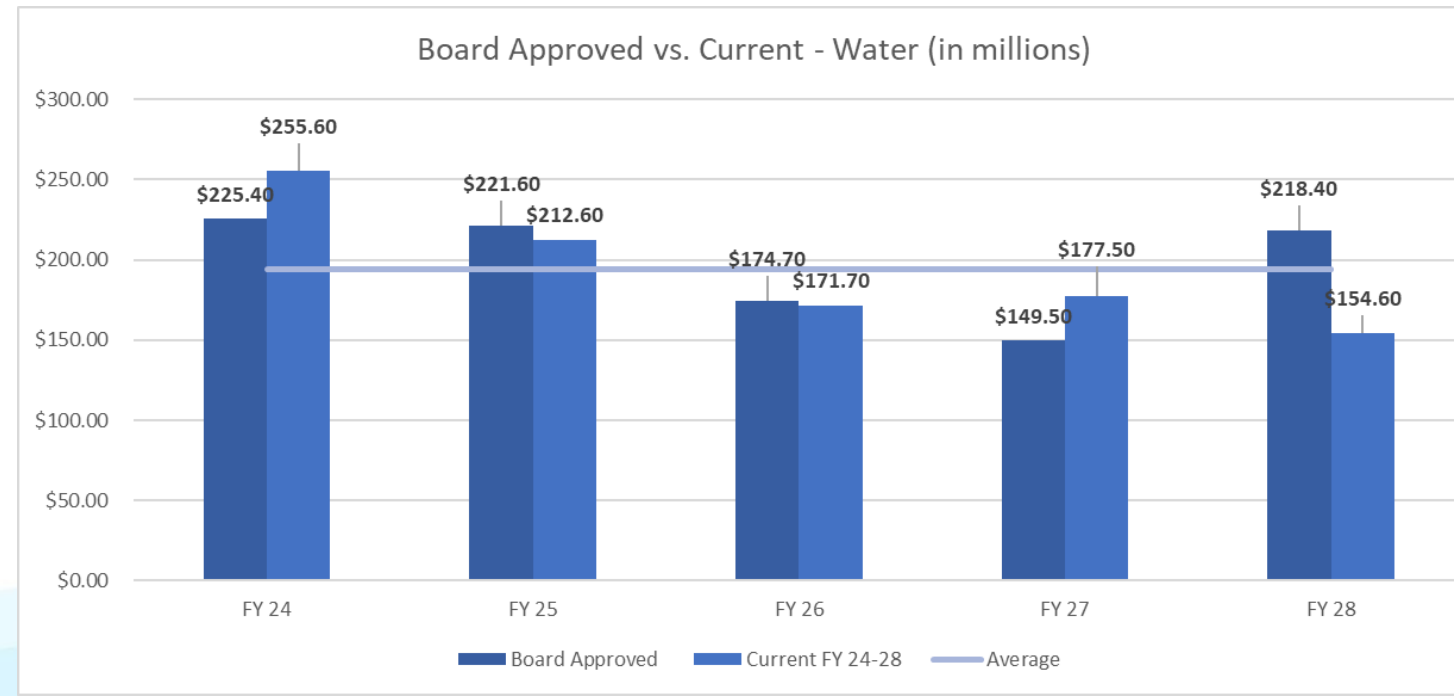


CIP Delivery Team

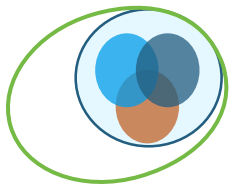
💧 FY 24-28 Alignment-Water Overview

FY 24-28	Water					Total	Average
	FY 24	FY 25	FY 26	FY 27	FY 28	FY 24-28	FY 24-28
Board Approved*	\$225.4 M	\$221.6 M	\$174.7 M	\$149.5 M	\$218.4 M	\$989.6 M	\$198 M
Current Planning Scenario	\$255.6 M	\$212.6 M	\$171.7 M	\$177.5 M	\$154.6 M	\$972 M	\$194 M

* As of August 8, 2022, PMs cost and schedule update



ALIGNMENT PROGRESS

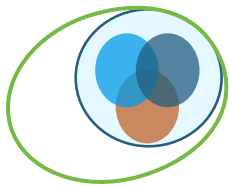


CIP Delivery Team

💧 FY 24-28 Alignment–Water **Examples** and Impacts

CIP#	Title	Variance from Board Approved		Impacts	Comments
		Yrs. *	Budget \$M		
111001	Lake Huron Water Treatment Plant, Low-Lift, High Lift and Filter Backwash Pumping System Improvements		\$69	Funding Timeline Other	This CIP is split into five (5) construction contracts currently. To minimize interruptions to the plant, the construction contracts start and finish at different times.
114002	Springwells Water Treatment Plant, Low-Lift and High-Lift Pumping Station Improvements	2	\$20	Funding Timeline Other	The construction contract for the low and high lift pump replacement phase has been moved out to start at the end of the electrical contract. This provides the best coordination option for when both contracts are in the construction phase. The electrical needs to be complete prior to replacement of the pumps.
114008	Springwells Water Treatment Plant 1930 Sedimentation Basin Sluice Gates, Guides & Hoists Improvements	3		Regulatory	To address items on our most recent sanitary survey, we extended this contract finish date to complete the items directly related to the 1930 mixing chamber.

ALIGNMENT PROGRESS

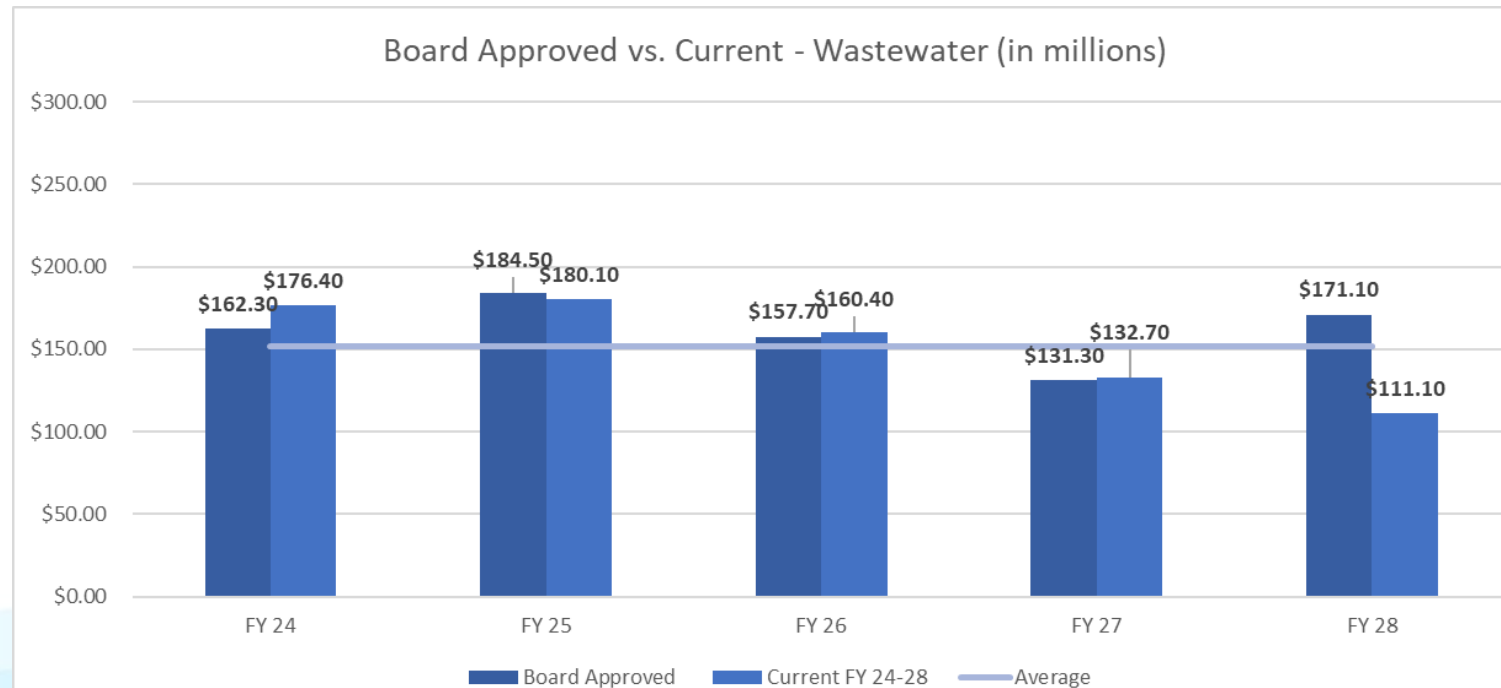


CIP Delivery Team

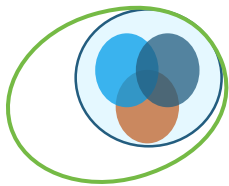
💧 FY 24-28 Alignment-Wastewater Overview

FY 24-28	Wastewater					Total	Average
	FY 24	FY 25	FY 26	FY 27	FY 28	FY 24-28	FY 24-28
Board Approved*	\$162.3 M	\$184.5 M	\$157.7 M	\$131.3 M	\$171.1 M	\$806.9 M	\$161 M
Current Planning Scenario	\$176.4 M	\$180.1 M	\$160.4 M	\$132.7 M	\$111.1 M	\$760.7 M	\$152 M

* As of August 8, 2022, PMs cost and schedule update



ALIGNMENT PROGRESS



CIP Delivery Team

💧 FY 24-28 Alignment–Wastewater **Examples** and Impacts

		Variance from Board Approved			
CIP#	Title	Yrs. *	Budget \$M	Impacts	Comments
211009	WRRF Rehabilitation of the Circular Primary Clarifier Scum Removal System	4	\$1 (Million)	Increased O&M, Regulatory, Water Quality	Not having efficient scum removal from the primary clarifiers allows an overflow of scum into the aeration deck. This allows for development of Nocardia in the secondary system that could lead to permit violation.
270001	Pilot CSO Netting Facility	10	\$29 (Million)	--	--

**Delay /Accelerate, start or end dates*

WHAT'S NEXT ?

- Finalize Alignment Scenarios
- Draft 1, October 18, 2022
- Comment Period Oct. 19, 2022-Nov. 18, 2022
- Draft 2, December 13, 2022

WHAT
NEXT ?

PROGRAM MANAGEMENT UPDATE

September 13, 2022



CIP Delivery Team



Donal Baron, AECOM

Program Management

Current Status	
Task 2 and 5 <ul style="list-style-type: none"> ▪ Published PMP Chapters 00, 01, 02, 06, 09, 10 and 14 ▪ Developing PMP Chapter 15 ▪ Completed Draft PMP Chapters 07 and 09 ▪ Completed scoring and alignment workshops ▪ Workings with PMs on inputting and refining data in the portal using forms ▪ Developed tool and step by step guide to align PMs with projects ▪ Working on roles transition and recruitment strategies ▪ Developing project cost and schedule information flow protocols 	Tasks 7 and 9 <ul style="list-style-type: none"> ▪ Refining scope of work for next phase of Change Management ▪ Completing Basis of Design Report (BODR) for Springwell WTP Header and Yard Piping Project underway ▪ Developing preliminary design for electrical improvements at Northeast WTP Pumping Station ▪ Developing engineering study for Secondary Clarifier Rehabilitation ▪ Front end document support progressing ▪ Bringing schedulers on board to work with PMs ▪ Assigning PM for 96" Pipeline Relocation Project

Program Management

What's Next

Task 2 and 5

- Complete PMP Chapter 15 (Planning and CIP Development) toward the end of this planning cycle
- Complete PMP Chapters 11 (Permitting & Regulatory), 13 (Public Information & Stakeholders) and 12 (E, H & S)
- Detailed training on PMP
- Fill LPM and TML staff positions

Task 7 and 9

- Complete current assignments
- Support interim staff needs

PMP Progress and Upcoming

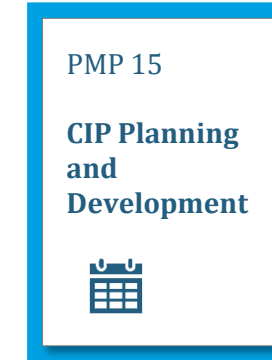
Chapters published:

PMP 00 – **PMP Overview**
PMP 01 – **CIP Program Overview**
PMP 02 – **Org. & Governance**
PMP 05 – **Schedule and Budget Mgt**
PMP 06 – **Contract Change Mgt**
PMP 09 – **Engineering & Design Mgt**
PMP 10 – **Procurement & Contracts**
PMP 14 – **Construction Mgt**

Completed in Draft:

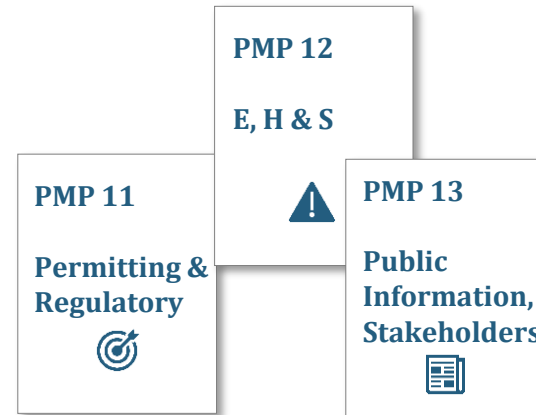


Chapters being developed:

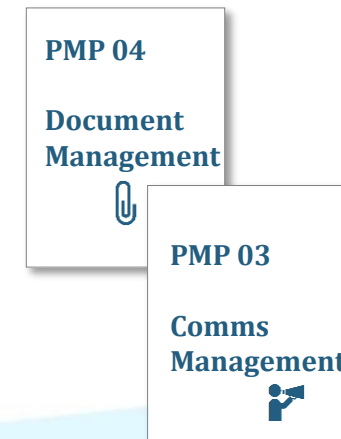


Note: The PMP is a living document that will be updated periodically

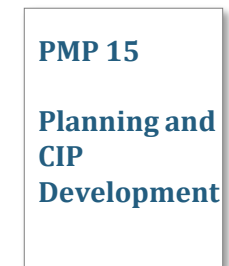
Next planned:

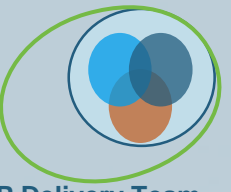


Coordinate with PMIS



After FY 2023 Plan Complete





CIP Delivery Team

THANK YOU

