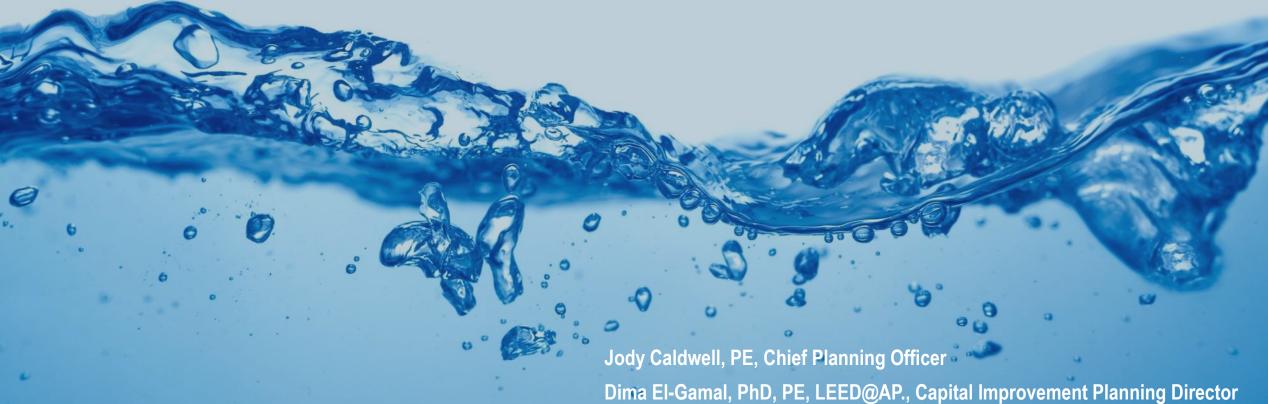
# CIP Program Update Capital Planning Committee



March 14, 2023



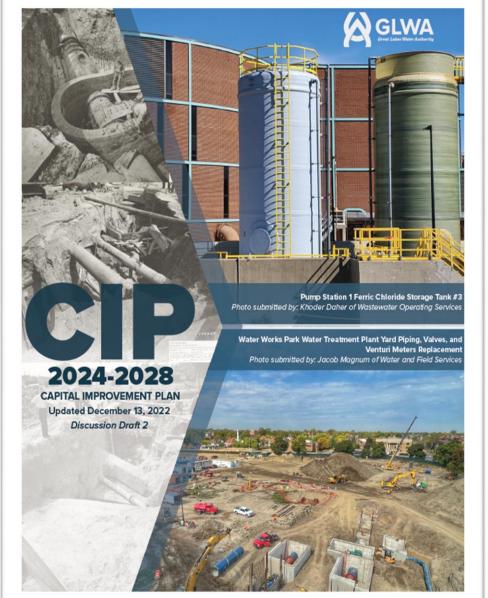


# **AGENDA**

- CIP FY24–FY28 Board Approved
- FY 23 January 2023 KPIs
- FY 23 & FY 24-28 Forecast
- FY 25-29 CIP Next Steps
- CIP Delivery Teams are Growing
- CIP Program Management Updates







### WATER

Category	Amount
5-Year Total	\$986,616
5-Year Average	\$197,323
10-Year Total	\$1,957,610
10-Year Average	\$195,761

\*Financial figures are in thousands of dollars (\$1,000s)

### WASTEWATER

Category	Amount
5-Year Total	\$798,176
5-Year Average	\$159,635
10-Year Total	\$1,560,661
10-Year Average	\$156,066

<sup>\*</sup>Financial figures are in thousands of dollars (\$1,000s)

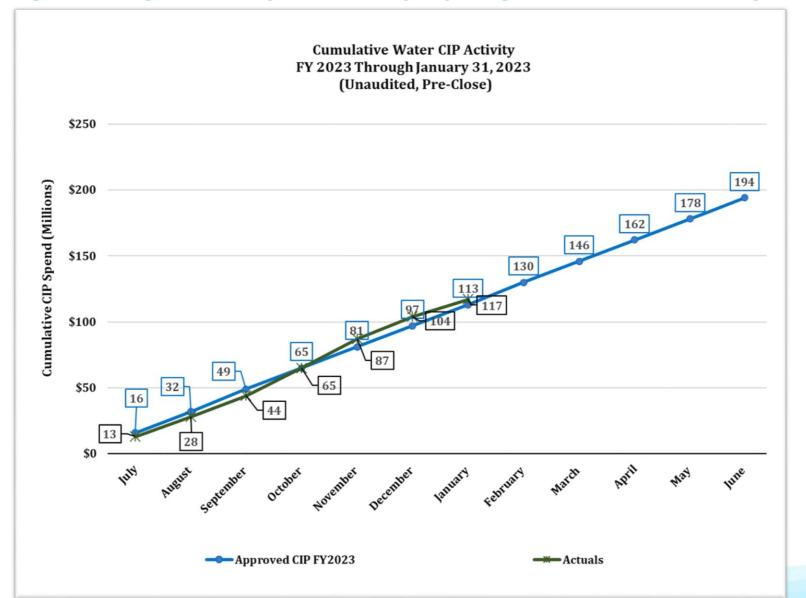
### **PLAN SPENDING SUMMARY**

5-Year Total	10-Year Total
\$1.78 Billion	\$3.52 Billion
5-Year Annual	10-Year Annual
Average	Average
\$356 Million	\$352 Million





# ENTERPRISE RESILIENCY FY 2023 TOTAL WATER CIP SPEND





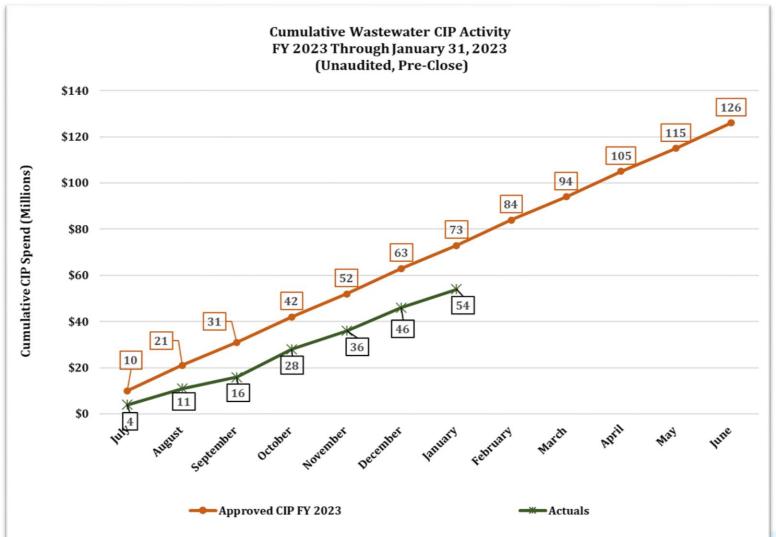
### **Current Status:**

The water system incurred \$117 million of CIP costs through January 2023.

This is 104% of the FY 2023 monthly prorated *Approved FY 23-27 CIP.* 



# **ENTERPRISE RESILIENCY FY 2023 TOTAL WASTEWATER CIP SPEND**



### **Current Status:**

The wastewater system incurred \$54 million of CIP costs **through January 2023.** 

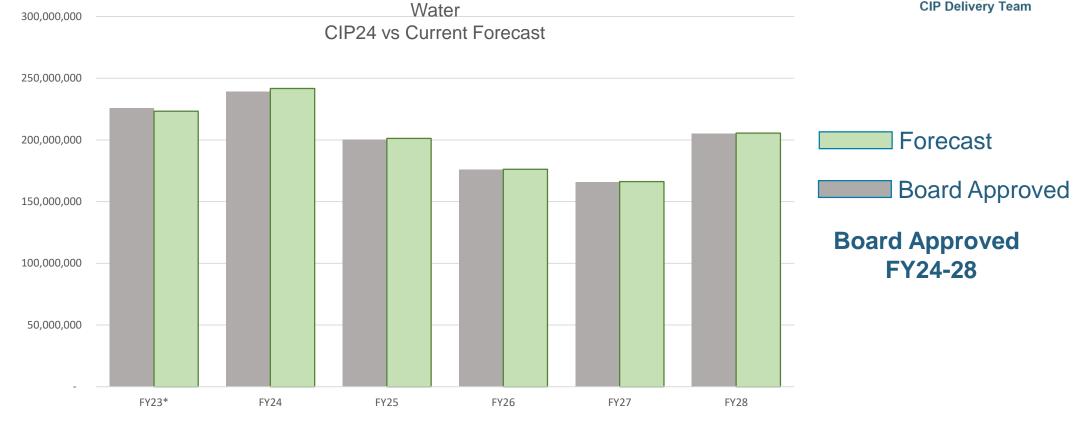
This is 74% of the FY 2023 monthly Prorated *Approved FY 23-27 CIP.* 



Note: The Capital Spend Rate Assumption for the Water System was initially budgeted at 75%. With the FY 2023 first quarter budget amendments, that percentage was revised to 100.0% to align the budget with revised CIP spending forecasts.

# FY 23 & FY 24-28 FORECAST SUMMARY-WATER

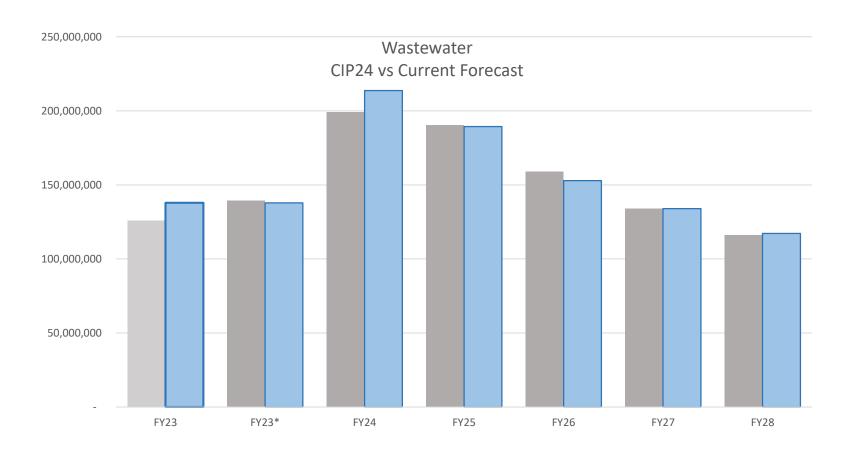




-	FY23*	FY24	FY25	FY26	FY27	FY28
BA CIP2024-2028	225,790,000	239,259,562	200,422,321	176,033,524	165,813,445	205,087,045
Forecast	223,299,954	241,663,625	201,189,962	176,240,512	166,252,941	205,494,258
	-,,	, ,	- //	-, -,-	, - ,-	

# FY 23 & FY 24-28 FORECAST SUMMARY-WASTEWATER







**Board Approved** 

FY24-28

-	FY23*	FY24	FY25	FY26	FY27	FY28
CIP2024-2028	139,442,000	199,061,145	190,158,901	159,043,928	133,731,792	116,179,979
Forecast	137,908,817	213,715,756	189,377,158	152,870,508	133,947,105	117,226,338

# **CIP DELIVERY TEAMS ARE GROWING**

will be filled in the future

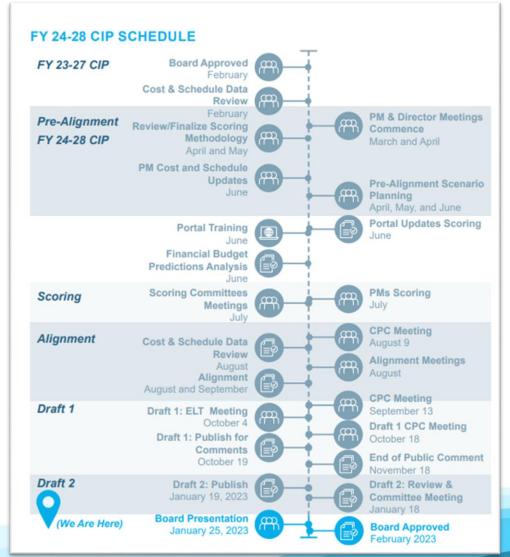
CIP Water & Wastewater **CIP Delivery Team CHIEF PLANNING OFFICER DIRECTOR of PLANNING Chief Operating Officer Director of Engineering** Cross Program Program **Functional** Controls **Assurances** Manager Manager Support Lifecycle PM (Manager) Planning Management Professional **Lifecycle PMs** Quality /lanagĕment PAA lanagement Management Professional rofessiona Professiona Professional ...... ............. **Technical Management Leaders** Risk Budget Document **PMIS** Schedule *l*lanagĕment Management Management lanagemen **Analyst** Professional rofessiona Professional rofessional Safety Management Professional\* Roles outlined in solid green have been filled COLOR EXISTING NEW NEW CONTROL ASSURANCE \*This is an Enterprise Safety ROLE role Roles outlined in solid red are in the process of being filled Roles outlined in dotted red



# WHAT'S NEXT -FY 25-29

CIP Delivery Team

- Improve Cost and Schedule Updates
- Improve the Portal Experience
- Train PMs
- Streamline Alignment with Financial Plan
- Improve CIP Document Layout
- Develop FY 25-29 Schedule











# PROGRAM MANAGEMENT UPDATE



March 14, 2023







Donal Baron, AECOM Michael McClure,, AECOM

# Agenda

- 1. Team Member Introduction
- 2. Task Budget
  3. Task Accomplishments





# **Team Member Introduction**

# **Michael McClure**



Proven leader for major infrastructure improvement programs. Planned, developed and lead organizations to build capital improvements for multiple projects.

Led program organizations in diverse industry areas including vertical construction, water, wastewater, transportation and environmental for clients both private (water, power, oil & gas, mfg.), and public sector (DOD, DOE, USACE) around the world.





Michael (Mike) McClure Principal Program Manager, AECOM







# **Task Budget Updates**



Task#	Task Description	Туре	Total Contract Budget (post MOU)	Total Billed thru 12/23/22 (Inv. 37B)	% Complete
1	CIP Business Process Improvements	LS	\$1,043,816	\$1,043,816	100%
2	CIP Delivery Standard Operating Procedure (SOP) Development	LS	\$1,181,756	\$903,510	77%
3	CIP Delivery Resource Evaluation	LS	\$676,847	\$676,847	100%
4	Project Management Information System (PMIS) Selection	LS	\$1,493,744	\$743,885	50%
5	Project Controls and Reporting Support	T&M	\$17,127,520	\$14,220,116	83%
6	CIP Validation	LS	\$2,121,024	\$1,970,034	93%
7	Engineering and Construction Staff Augmentation (Booked)	T&M	\$20,976,251	\$15,232,465	73%
7	Engineering and Construction Staff Augmentation (Not booked)	T&M	\$4,773,513	N/A	0%
8	Advanced Facilities Planning (Hold)	LS	\$2,006,563	\$75,787	4%
9	Staff Augmentation other than Construction or Engineer	T&M	\$2,834,100	\$1,086,251	38%
	Grand Total		\$54,235,134	\$35,952,710	
	Balance Remaining		\$18,282,424		

**Key| LS – Lump Sum, T&M – Time and Materials** 



# **Task 1 CIP Business Process Improvements**



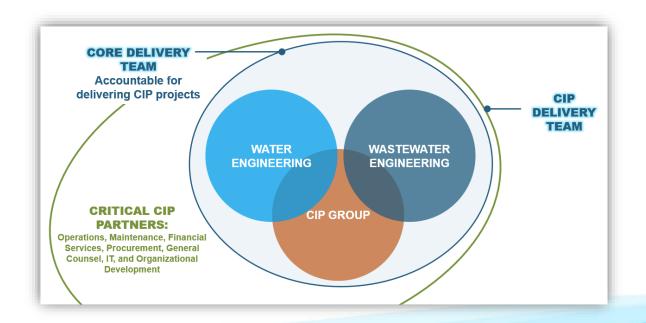
### **Key achievements:**

- ✓ Completed mapping of existing GLWA business processes
- Developed recommendations on key CIP delivery models

# GLWA Vision/ Guiding Principles I Managed Printing Secretary Assistance Secretary Secretary Assistance Secretary Secretary Assistance Secretary S

### **Key Recommendations:**

- ✓ Project lifecycle approach versus contracts
- ✓ Accountable and empowered Lifecycle Project Managers (LPM) responsible for delivery outcomes throughout project lifecycle









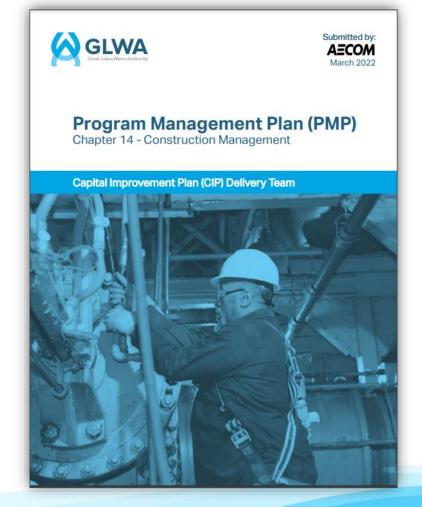
# Task 2 CIP Delivery Standard Operating Procedure (SOP) Development

### **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 07 Quality Management
- PMP 08 Risk Management
- PMP 09 Engineering & Design Mgt
- PMP 10 Procurement & Contracts
- PMP 11 Permitting and Regulatory
- PMP 14 Construction Mgt

### **Chapters in progress:**

- PMP 03 Communications Management
- PMP 04 Document Management
- PMP 12 Health & Safety Management
- PMP 13 Public Information & Stakeholder Management
- PMP 15 CIP Planning & Development











# **Task 3 CIP Delivery Resource Evaluation**

**CIP Delivery Team** 

- Resource Development Plan final delivery July 2021
- Defined CIP Delivery Model, CIP Delivery Roles (Competencies and Responsibilities)
- Included CIP Delivery FTE Resource Forecast Model



### LIFECYCLE PROJECT MANAGER

### RESPONSIBILITIES

- Manages scope, budget, and schedule
- Allocates project resources
- Collaborates cross-functionally

A Lifecycle Project Manager (LPM)

- Engages stakeholders
- · Reports to program leadership ·

- involvement, motivation, and support
- Promotes team environment of
  - high performance (trust, conflict, cohesiveness, encouragement) Is accountable for project delivery
  - · Addresses adversity with objectivity

can persuade, convince, influence, or encourage others to obtain support or deliver on objectives. Existing GLWA team members have the opportunity to fulfill this role if they meet the required competencies and role responsibilities. The LPM positively manages and overcomes resistance to change between team members or groups of team members in order to minimize or amplify the impact on CIP delivery. These competencies imply the ability to work in an environment of organizational change adoption of behaviors demonstrating interpersonal

relationships, the pursuit of excellence and leading by example. Being able to identify interdependencies between various projects. LPMs know when to involve key stakeholders in order to achieve CIP or portfolios, LPMs seek and identify opportunities for action and propose and implement solutions with managerial

### **TALENT** MANAGEMENT

### PROJECT MANAGEMENT

### Manages resources to project constraints scope, schedule, and Collaborates cross-functionally with all disciplines RESPONSIBILITIES Identifies and engages stakeholders, contributing successful Manages resources to project constraints Reports project status, quality, risk, and safety Implements communication plan that includes all stakeholders Reports project performance to program leadership and project **SERVICES** Updates issues log and monitors issues until closure Maintains project stakeholder involvement COMPETENCIES Is accountable for project delivery and displaying sound judgment Addresses adversity with objectivity Collaborates with stakeholders Aligns requirements to the project scope ROLE Designs manual and technical guidelines Provides mentorship for junior level LPMs

delivery strategic objectives and effectively promote communication at various levels **OPERATIONS AND** within GLWA. Demonstrating strengths in MAINTENANCE INTERACTION the ability to plan, organize, standardize, assess, and monitor the management of task accomplishments of projects ROLE IN CIP DELIVERY

SUCCESS

Provides lifecycle project management Controls scope creep

Considers O&M implications in decision-making Communicates solution value to key stakehi

Checks daily on the status of resources meeting deadlines budget, risk, and quality compliance

Reviews project status gate process and checklist



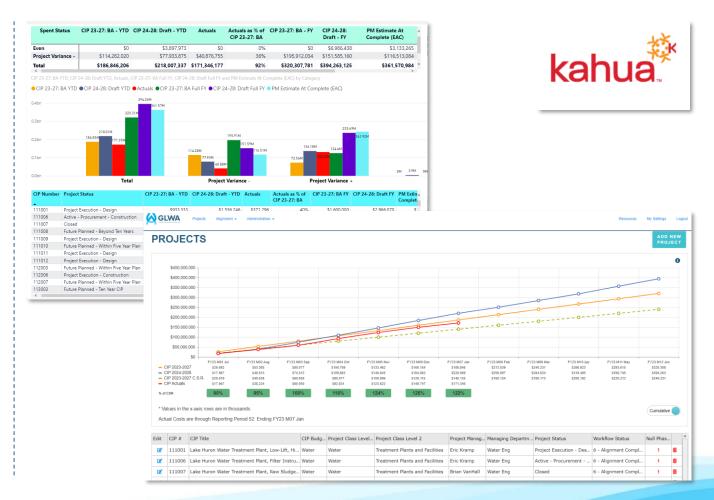
CIP DELIVERY RESOURCE DEVELOPMENT PLAN

# Task 4 Project Management Information System (PMIS) Selection



- Developed comprehensive RFP for PMIS procurement
- Supported GLWA through proposal reviews and selection, including proposal and demonstration scoring
- ✓ Selected Kahua as the PMIS for GLWA
- Developed and managed an "interim PMIS" to support basic critical program delivery needs

<sup>\*</sup>Task 4 was put on hold prior to the conclusion of contract negotiations. This task will be revisited in March of 2024.





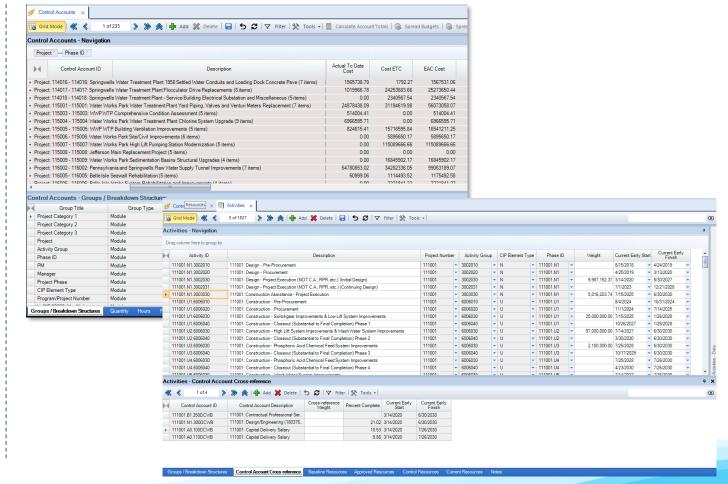




# **Task 5 Project Controls and Reporting Support**



- ✓ CIP Development cycle completed
- ✓ Working with PMs on inputting data
- Developed tool and step-by-step guide to align
   PMs' project data
- ✓ Working on roles transition and knowledge transfer
- Developing project cost and schedule information flow protocols









## **Task 6 CIP Validation**



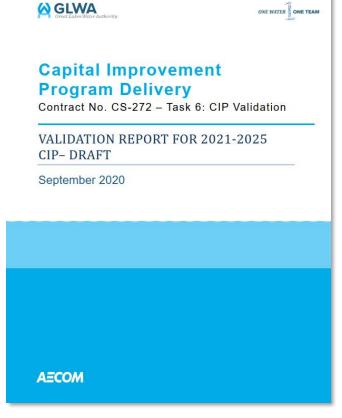
### **CIP Validation summary:**

Year	Projects Validated
1	30
2	90
3	6

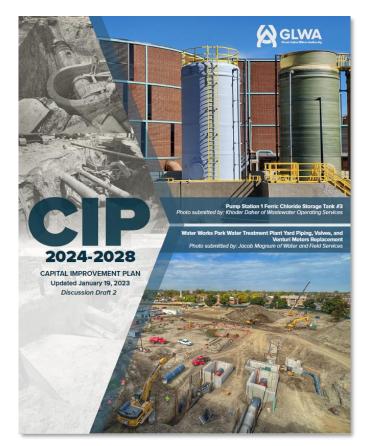
### **CIP** summary:

CIP successfully completed	
FY' 2022-26	
FY' 2023-27	
FY' 2024-28	

- •CIP for FY 24-28 was approved by the Board and will be in effect from Jul 1, 2023
- Automated the CIP document delivery from Portal to document







CIP FY' 24-28 Approved





# **Task 7 Engineering and Construction Staff Augmentation**



# Highlights

- ✓ BODR for the CSO project Hubbell Southfield
   CSO Facilities
- ✓ Alternatives Analysis and BODR Springwells
   WTP Header and Yard Piping Project
- ✓ BODR Aeration Basin 1 and 2
- ✓ Place 4 WW augmented LPMs
- ✓ Place 1 WW augmented Design Manager
- Successfully managed Wick Road Pipeline project

Task 7 or 9	Water/Sewer	Status 💌	# of Tasks	T	otal Budget	Total Cost to Date	% Spent
<b>≡</b> 7	∃Water	1 - Active	26	\$	7,667,841	4,859,280	63.4%
		2 - Completed	3	\$	601,267	575,582	95.7%
		3 -Close	33	\$	2,550,330	2,550,192	100.0%
	Water Total		62	\$	10,819,439	7,985,054	73.8%
	<b>∃</b> Sewer	1 - Active	38	\$	4,928,372	3,169,668	64.3%
		2 - Completed	37	\$	2,716,387	1,621,365	59.7%
		3 -Close	41	\$	2,770,185	2,770,102	100.0%
	Sewer Total		116	\$	10,414,944	7,561,135	72.6%
7 Total			178	\$	21,234,382	15,546,189	73.2%
<b>≡</b> 9	∃Water	1 - Active	4	\$	1,207,892	527,921	43.7%
		2 - Completed	2	\$	29,012	25,062	86.4%
		3 -Close	5	\$	367,397	367,397	100.0%
	Water Total		11	\$	1,604,301	920,379	57.4%
	<b></b> Sewer	1 - Active	2	\$	52,421	30,915	59.0%
		2 - Completed	3	\$	122,020	118,069	96.8%
		3 -Close	5	\$	91,260	91,260	100.0%
	Sewer Total		10	\$	265,701	240,244	90.4%
9 Total			21	\$	1,870,002	1,160,624	62.1%
Grand Total			199	\$	23,104,384	16,706,813	72.3%



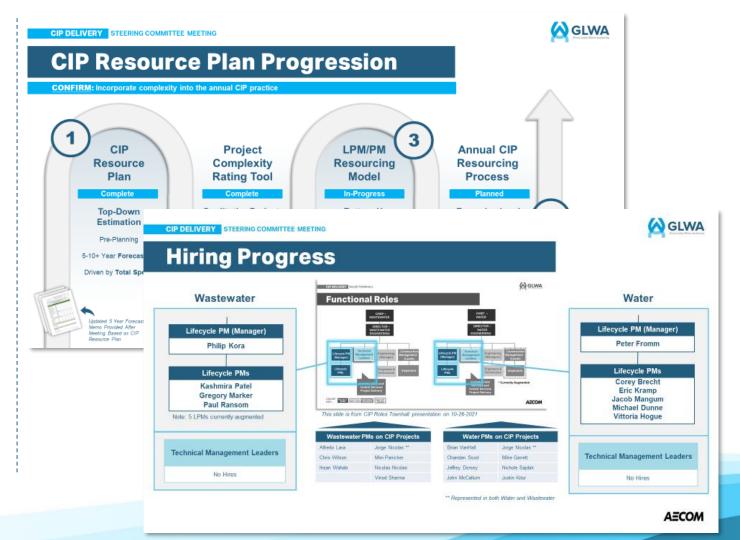


# Task 9 Staff Augmentation other than Construction or Engineer



### ORGANIZATIONAL CHANGE MANAGEMENT

- ✓ Updated CIP Delivery FTE 5-Year Forecast Model
- ✓ Complexity Rating Tool Developed for Water and Wastewater Project Portfolio Resourcing
- ✓ LPM Manager and LPM Hiring Progress to date in Water and Wastewater
- ✓ Skills Training Plan in Support of PMP Implementation









# THANK YOU

