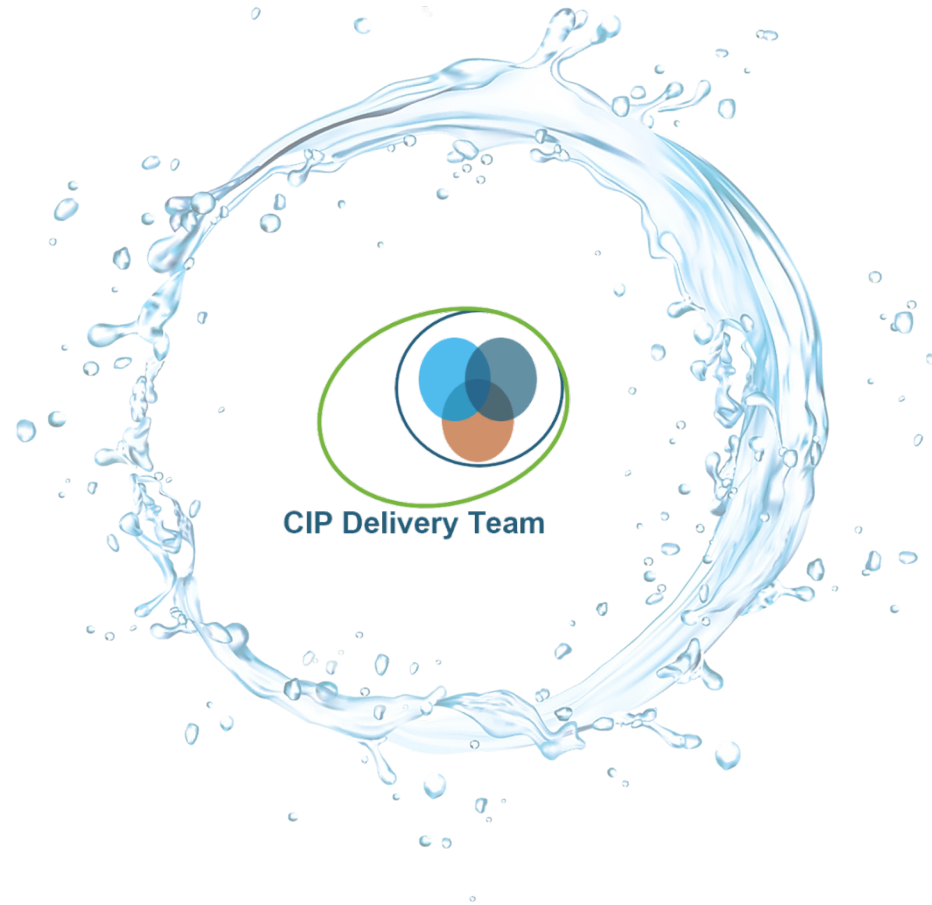


# CAPITAL IMPROVEMENT PLANNING UPDATE

August 6<sup>th</sup>, 2025

# AGENDA

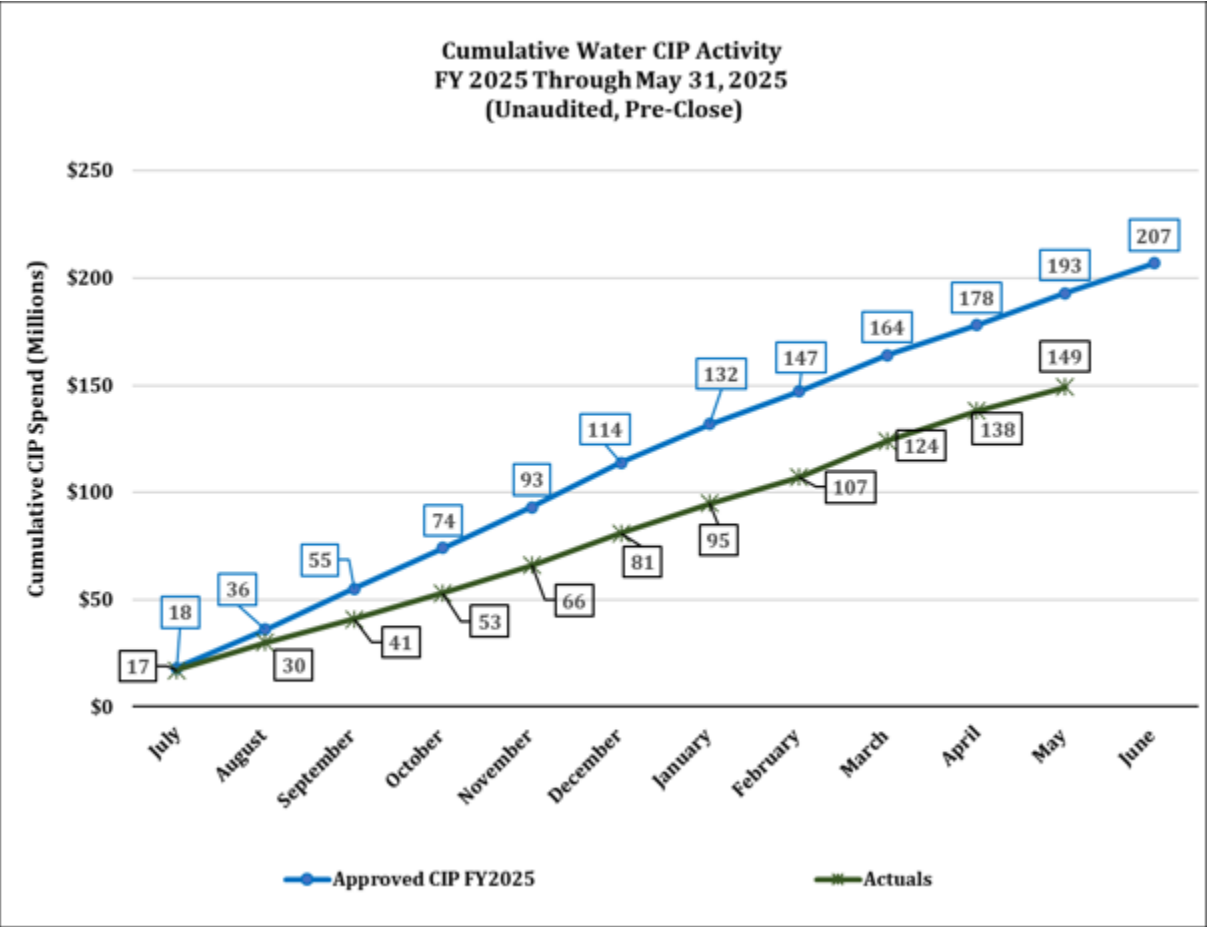
- FY 25 Initial Key Performance Indicators
- Board Approved CIP FY2026–FY2030
- Projects within the City of Detroit
- FY 27-31 CIP Update





# FY 25 INITIAL KEY PERFORMANCE INDICATORS

# FY25 KEY PERFORMANCE INDICATORS - WATER CUMULATIVE

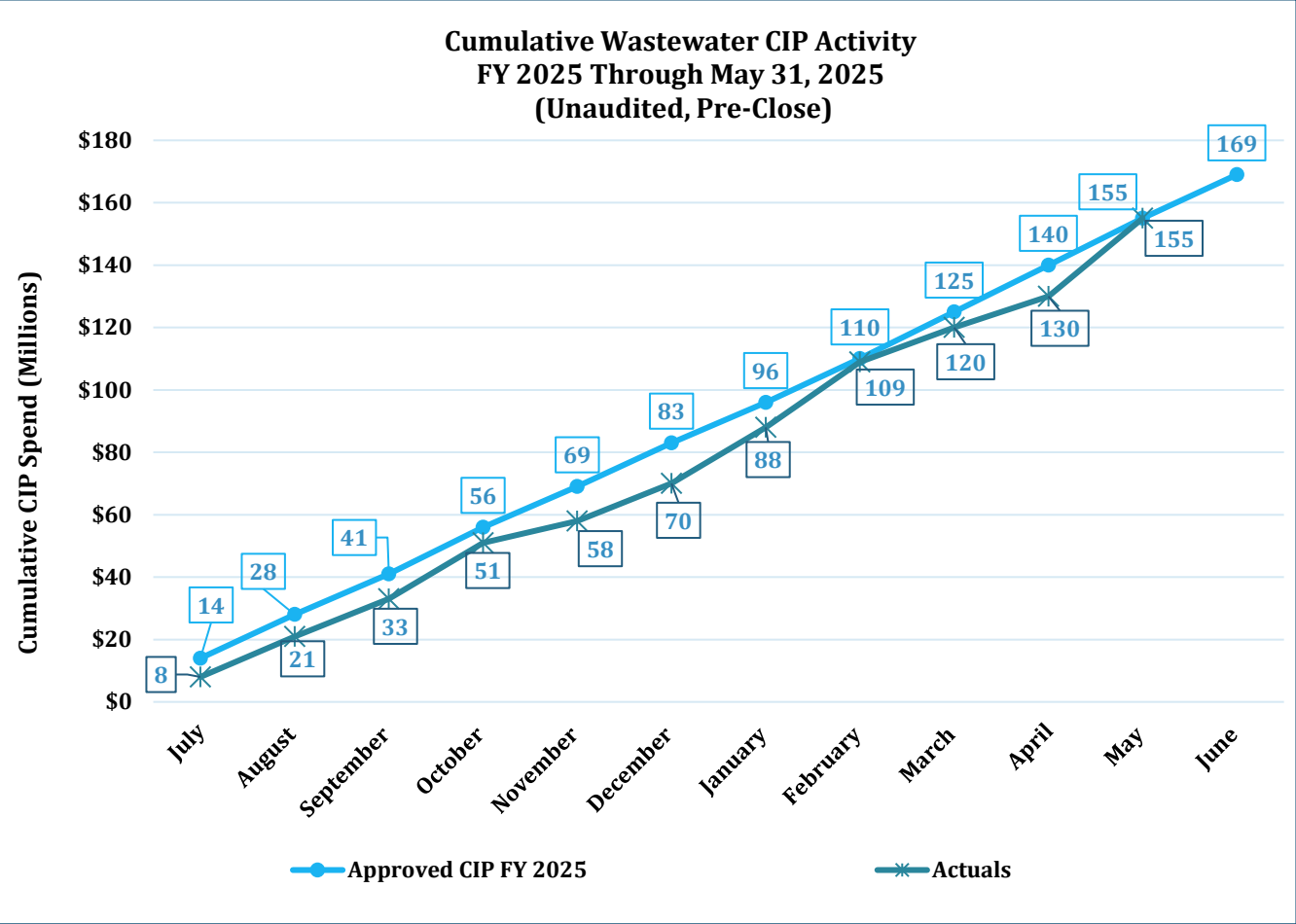


### Current Status:

The water system incurred \$149 million of CIP costs through May 2025. This is 77% of the FY 2025 monthly *Approved CIP2025-2029*.

Water System is underspending due to delayed start of major projects. The underspend is primarily driven by **22019: Jefferson Main Replacement Project**: This project is currently paused due to coordination with the City of Detroit. **122016: Downriver Transmission Main Loop**: and **111012: LHWTP-Flocculation Improvements** started late due to design challenges. These projects account for **\$45M** underspend

# FY 25 KEY PERFORMANCE INDICATORS - WASTEWATER CUMULATIVE



**Current Status:**  
The wastewater system incurred \$155 million of CIP costs through May 2025.  
This is 100% of the FY 2025 monthly *Approved CIP2025-2029*.



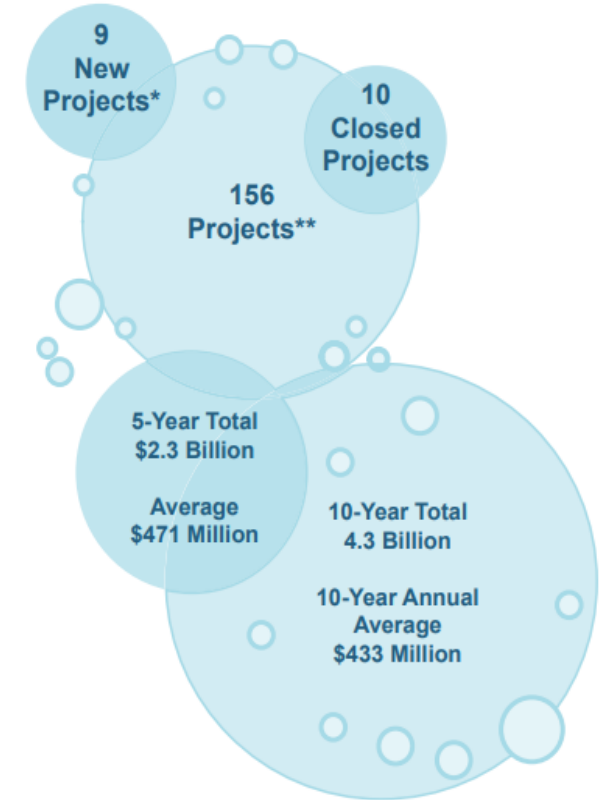
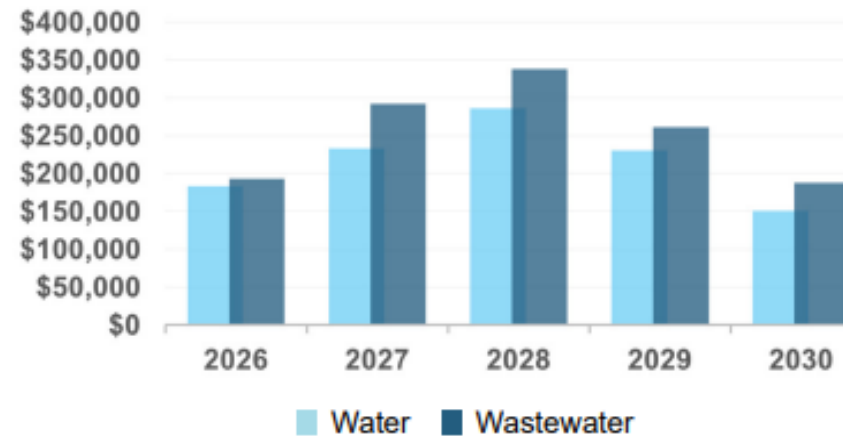
# BOARD APPROVED CIP FY26- FY30

# FY 26-30 CIP AT A GLANCE

Board Approved Feb 26, 2025

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

## 5-YEAR OUTLOOK



Note: \*Six new projects from program  
 \*\* In addition to the 156 projects, there are:  
 +No reclassified projects  
 +No canceled project

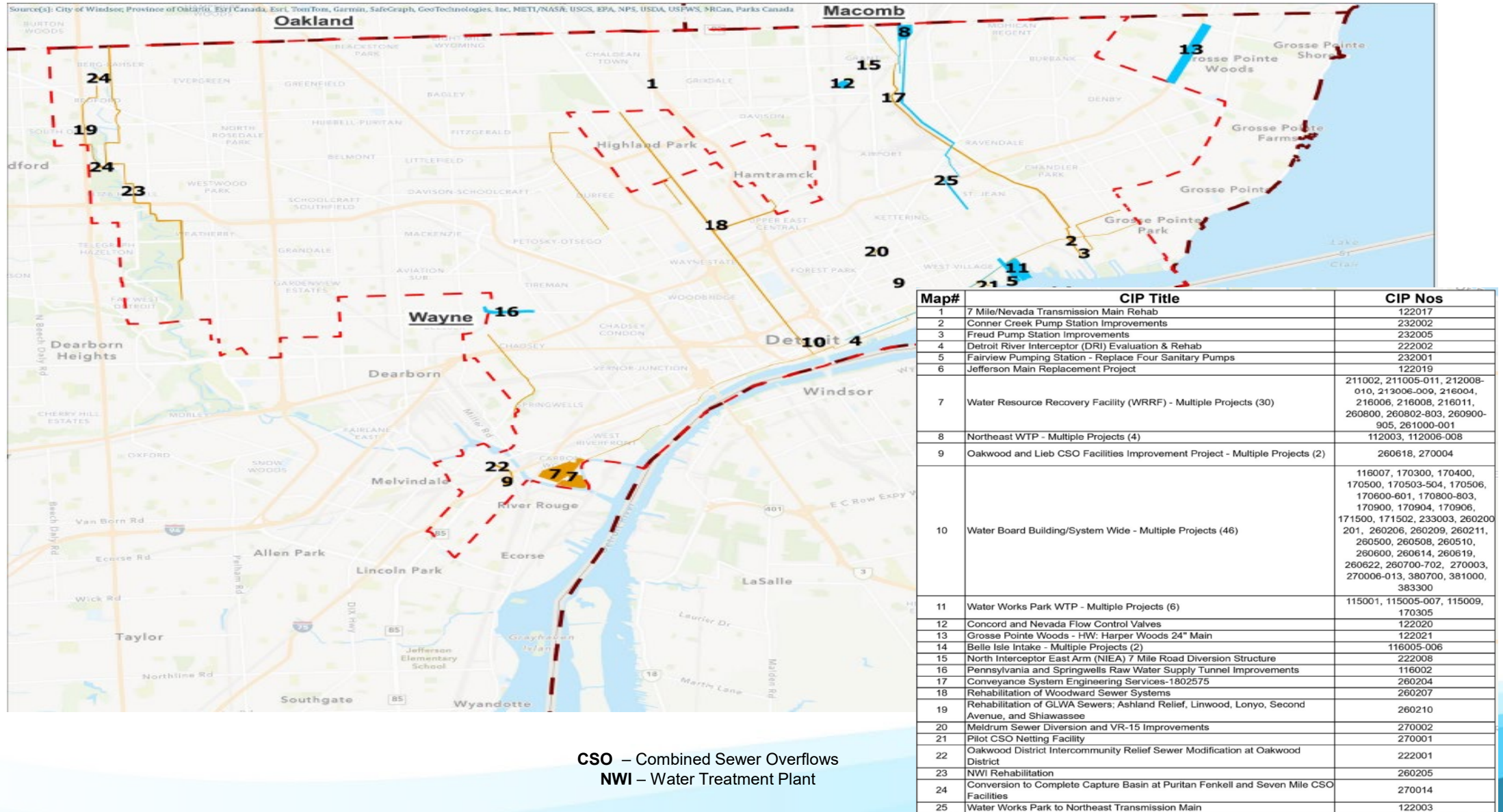
Note : Figures are shown in \$1,000's.



# PROJECTS WITHIN THE CITY OF DETROIT



# PROJECTS WITHIN THE CITY OF DETROIT - LIST



CSO – Combined Sewer Overflows  
NWI – Water Treatment Plant

# PROJECTS WITHIN THE CITY OF DETROIT - WATER

CIP Number	Title	Project Status	Start Date	End Date	FY 26-30 Forecast
112006	Northeast Water Treatment Plant Flocculator Replacements	Project Execution - Construction	1/24/2022	3/18/2027	\$ 13,462,755.00
115001	Water Works Park Water Treatment Plant Yard Piping, Valves and Venturi Meters Replacement	Project Execution - Construction	6/26/2017	9/18/2025	\$ 56,073,060.00
115005	WWP WTP Building Ventilation Improvements	Project Execution - Construction	9/29/2020	8/29/2025	\$ 16,999,461.00
<b>116002</b>	<b>Pennsylvania and Springwells Raw Water Supply Tunnel Improvements</b>	<b>Project Execution - Construction</b>	<b>1/29/2018</b>	<b>6/30/2026</b>	\$ 98,756,636.00
<b>116005</b>	<b>Belle Isle Seawall Rehabilitation</b>	<b>Project Execution - Construction</b>	<b>9/1/2022</b>	<b>3/26/2025</b>	\$ 2,190,619.00
<b>122019</b>	<b>Jefferson Main Replacement Project</b>	<b>Project Execution - Design</b>	<b>9/1/2021</b>	<b>6/30/2030</b>	\$ 43,135,982.00
<b>122020</b>	<b>Concord and Nevada Flow Control Valves</b>	<b>Project Execution - Design</b>	<b>7/1/2025</b>	<b>6/30/2028</b>	\$ 8,593,500.00
<b>122021</b>	<b>Grosse Pointe Woods - Harper Woods 24" Main</b>	<b>Project Execution - Design</b>	<b>7/1/2025</b>	<b>6/30/2028</b>	\$ 7,077,000.00

CIP Number	Title	Project Status	Start Date	End Date	FY 26-30 Forecast
112007	NEWTP-Structural Repairs	Active - Procurement - Construction	7/1/2023	10/1/2027	\$ 6,685,115.00
112008	Northeast Water Treatment Plant Filter Replacement	Active - Procurement - Negotiation Phase - Design	7/1/2025	6/30/2030	\$ 94,631,390.00

CIP Number	Title	Project Status	Start Date	End Date	FY 26-30 Forecast
115009	Water Works Park Sedimentation Basins Structural Upgrades	Future Planned - Within Five Year Plan	8/4/2027	5/2/2031	\$ 16,845,902.00
<b>116006</b>	<b>Belle Isle Intake System Rehabilitation and Improvements</b>	<b>Future Planned - Within Five Year Plan</b>	<b>7/1/2026</b>	<b>6/30/2028</b>	\$ 2,221,841.00
170305	WWP SCADA Network Upgrade	Future Planned - Within Five Year Plan	7/1/2028	2/4/2030	\$ 7,542,009.00
170803	Reservoir Inspection, Design, and Construction Management Services Phase III	Future Planned - Within Five Year Plan	7/1/2026	6/30/2032	\$ 78,849,172.00
112003	Northeast Water Treatment Plant High-Lift Pumping Station Improvements	Future Planned - Ten Year CIP	7/1/2030	6/30/2039	\$ 171,675,596.00
115006	Water Works Park Site/Civil Improvements	Future Planned - Ten Year CIP	7/1/2030	6/30/2034	\$ 5,895,650.00
115007	Water Works Park High Lift Pumping Station Modernization	Future Planned - Within Five Year Plan	7/1/2030	6/30/2039	\$ 115,089,667.00

**Bold & Highlighted Text – Outside GLWA Facilities**

**WWP** – Water Works Park | **WTP** – Water Treatment Plant | **NEWTP** – Northeast Water Treatment Plant  
**FY** – Fiscal Year | **CIP** – Capital Improvement Plan

# PROJECTS WITHIN THE CITY OF DETROIT - WASTEWATER



CIP Number	Title	Project Status	Start Date	End Date	FY 26-30 Forecast
211009	WRRF Rehabilitation of the Circular Primary Clarifier Scum Removal System	Future Planned - Within Five Year Plan	3/4/2022	3/3/2033	\$ 23,230,394.00
211010	Rehabilitation of Sludge Processing Complexes A and B	Future Planned - Within Five Year Plan	7/1/2027	6/30/2033	\$ 14,104,222.00
212009	WRRF Aeration Improvements 3 and 4	Future Planned - Ten Year CIP	5/2/2032	6/29/2043	\$ 271,545,226.00
212010	WRRF Conversion of Disinfection of all Flow to Sodium Hypochlorite and Sodium Bisulfite	Future Planned - Within Five Year Plan	7/1/2028	12/31/2036	\$ 6,231,557.00
213008	WRRF Rehabilitation of the Ash Handling Systems	Future Planned - Within Five Year Plan	11/14/2025	2/28/2033	\$ 7,188,909.00
260803	WRRF Roof Improvements - Phase II	Future Planned - Within Five Year Plan	3/8/2026	6/30/2029	\$ 3,531,631.00
260900	WRRF Facility Optimization Program	Future Planned - Within Five Year Plan	1/1/2029	6/30/2038	\$ 85,935,000.00
261000	WRRF Rehabilitation of the Secondary Clarifiers	Future Planned - Ten Year CIP	7/1/2028	6/30/2037	\$ 39,337,242.00
<b>270002</b>	<b>Meldrum Sewer Diversion and Valve Remove (VR) Improvements</b>	<b>Future Planned - Within Five Year Plan</b>	<b>7/1/2026</b>	<b>7/1/2031</b>	<b>\$ 9,353,793.00</b>
270008	Flushing System Improvements at Conner Creek and St. Aubin CSO Facilities	Future Planned - Within Five Year Plan	4/25/2027	4/28/2034	\$ 7,070,077.00
270011	HVAC Improvements at Conner Creek and Belle Isle CSO Facilities	Future Planned - Ten Year CIP	4/23/2031	4/26/2034	\$ 5,803,759.00
270013	Facility Improvements at Puritan Fenkell and Seven Mile CSO Facilities	Future Planned - Within Five Year Plan	4/21/2028	12/24/2032	\$ 902,132.00
270014	Conversion to Complete Capture Basin at Puritan Fenkell and Seven Mile CSO Facilities	Future Planned - Within Five Year Plan	4/22/2028	4/25/2035	\$ 4,482,478.00

CIP Number	Title	Project Status	Start Date	End Date	FY 26-30 Forecast
261001	WRRF Rehabilitation of the Secondary Clarifiers Phase 1	Active - Procurement - Design	11/1/2024	11/1/2029	\$ 35,256,278.00
270001	Pilot CSO Netting Facility	Active - Procurement - Negotiation Phase - Design	7/1/2024	6/30/2033	\$ 37,936,599.00
270010	HVAC Improvements at Puritan Fenkell and Seven Mile CSO Facilities	Active - Procurement - Negotiation Phase - Design	4/1/2025	7/17/2029	\$ 6,629,046.00

**Bold & Highlighted Text – Outside GLWA Facilities**

**CSO** - Combined Sewer Overflows | **HVAC** - Heating, Ventilation, and Air Conditioning  
**FY** – Fiscal Year | **CIP** – Capital Improvement Plan



# PROJECTS WITHIN THE CITY OF DETROIT - WASTEWATER



CIP Number	Title	Project Status	Start Date	End Date	FY 26-30 Forecast
211002	WRRF PS No. 2 Pumping Improvements - Phase 1	Project Execution - Construction	8/11/2010	12/31/2025	\$ 4,002,287.00
211005	WRRF PS No. 2 Improvements Phase II	Project Execution - Construction	2/21/2022	6/3/2040	\$ 86,034,446.00
211006	WRRF PS No. 1 Improvements	Project Execution - Construction	5/7/2019	5/8/2031	\$ 114,107,522.00
211007	WRRF PS #2 Bar Racks Replacements and Grit Collection System Improvements	Project Execution - Construction	10/20/2020	10/14/2033	\$ 243,125,368.00
211008	WRRF Rehabilitation of Ferric Chloride Feed System in PS-1 and Complex B Sludge Lines	Project Execution - Construction	7/1/2018	11/16/2026	\$ 13,416,110.00
211011	PS 1 Rack and Grit HVAC System Upgrade	Project Execution - Construction	8/21/2020	4/30/2041	\$ 307,732,086.00
212008	WRRF Aeration Improvements 1 and 2	Project Execution - Construction	4/8/2024	3/27/2032	\$ 213,744,633.00
213007	WRRF Modification to Incinerator Sludge Feed Systems at Complex -II	Project Execution - Construction	10/17/2022	11/16/2026	\$ 25,523,817.00
216006	Assessment and Rehabilitation of WRRF yard piping and underground utilities	Project Execution - Construction	12/28/2020	6/30/2029	\$ 38,010,419.00
216008	Rehabilitation of Screened Final Effluent (SFE) Pump Station	Project Execution - Construction	1/22/2019	1/10/2029	\$ 106,554,482.00
216011	WRRF Structural Improvements	Project Execution - Construction	9/16/2022	7/18/2027	\$ 13,977,502.00
<b>222002</b>	<b>Detroit River Interceptor (DRI) Evaluation and Rehabilitation</b>	<b>Project Execution - Construction</b>	<b>7/1/2017</b>	<b>1/30/2036</b>	<b>\$ 119,602,517.00</b>
<b>222008</b>	<b>North Interceptor East Arm (NIEA) 7 Mile Road Diversion Structure</b>	<b>Project Execution - Construction</b>	<b>11/1/2023</b>	<b>11/30/2025</b>	<b>\$ 4,549,500.00</b>
232002	Conner Creek Pump Station Improvements	Project Execution - Construction	9/1/2023	12/31/2036	\$ 348,098,596.00
232005	Freud Pump Station Improvements	Project Execution - Construction	6/7/2017	4/30/2030	\$ 150,983,098.00
<b>260206</b>	<b>Conveyance System Repairs (Sewers)</b>	<b>Project Execution - Construction</b>	<b>6/7/2021</b>	<b>5/15/2029</b>	<b>\$ 39,836,925.00</b>
<b>260207</b>	<b>Rehabilitation of Woodward Sewer Systems</b>	<b>Project Execution - Construction</b>	<b>10/14/2019</b>	<b>7/1/2025</b>	<b>\$ 22,924,569.00</b>
<b>260211</b>	<b>Emergency and Urgent Sewer Repair II</b>	<b>Project Execution - Construction</b>	<b>2/1/2024</b>	<b>1/31/2028</b>	<b>\$ 6,066,000.00</b>
<b>260510</b>	<b>Conveyance System Repairs (Outfalls)</b>	<b>Project Execution - Construction</b>	<b>6/7/2021</b>	<b>6/30/2027</b>	<b>\$ 25,251,949.00</b>

**Bold & Highlighted Text – Outside GLWA Facilities**

**SFE** - Screened Final Effluent | **HVAC** - Heating, Ventilation, and Air Conditioning  
**FY** – Fiscal Year | **CIP** – Capital Improvement Plan

# PROJECTS WITHIN THE CITY OF DETROIT - WASTEWATER



CIP Number	Title	Project Status	Start Date	End Date	FY 26-30 Forecast
260802	2022 WRRF Roof Improvements Project	Project Execution - Construction	5/11/2022	4/30/2027	\$ 4,751,071.00
260901	Rehabilitation of HAZMAT Facility at WRRF	Project Execution - Construction	7/24/2020	2/28/2025	\$ 3,856,922.00
260903	WRRF Front Entrance Rehabilitation	Project Execution - Construction	4/5/2021	6/30/2026	\$ 7,582,772.00
260905	WRRF Plumbing Shop Renovation - 260905	Project Execution - Construction	8/15/2022	8/31/2025	\$ 2,687,726.00
213006	WRRF Improvements to Sludge Feed Pumps at Dewatering Facilities	Project Execution - Design	4/14/2023	6/13/2029	\$ 21,514,422.00
213009	WRRF Biosolids Processing Improvements	Project Execution - Design	11/4/2024	1/31/2042	\$ 908,269,564.00
260904	WRRF 3rd Floor Renovation	Project Execution - Design	9/5/2022	1/1/2028	\$ 9,390,331.00
270004	Oakwood and Leib CSO Facilities Improvement Project	Project Execution - Design	9/16/2022	1/31/2032	\$ 59,536,399.00
<b>260205</b>	<b>Northwest Interceptor (NWI) Rehabilitation</b>	<b>Project Execution - Pending Closeout</b>	<b>6/1/2020</b>	<b>10/1/2025</b>	<b>\$ 9,347,793.00</b>

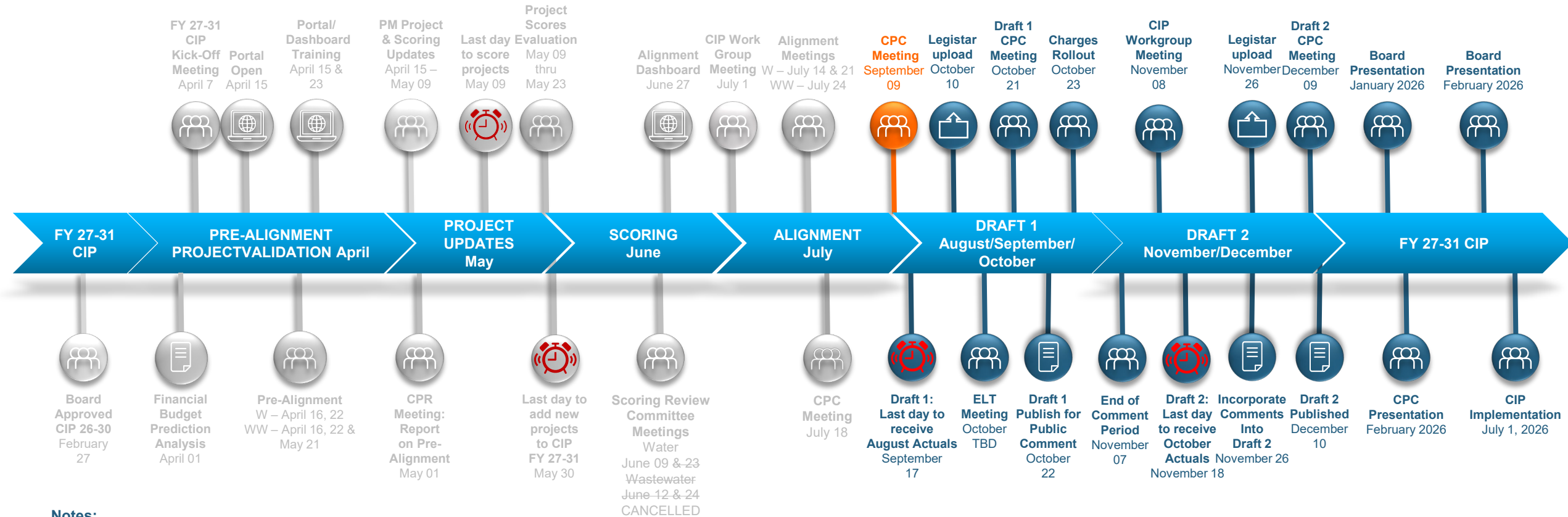
**Bold & Highlighted Text – Outside GLWA Facilities**

**CSO** – Combined Sewer Overflows | **NWI** – Northwest Interceptor  
**FY** – Fiscal Year | **CIP** – Capital Improvement Plan

# FY 27-31 CIP UPDATE



# CIP FY 27-31 ROAD MAP



## Notes:

**Draft 1 Actuals Cut-Off:** August 31

**Draft 2: Actuals Cut Off:** October 31

# FY 2027-2031 PROCESS OPTIMIZATION – SCORING

## PROJECT SCORED / RESCORED

- New Project
- Future Planned
- Active – Procurement
- Projects from Programs
- Project Execution-Design & Project Delivery Method = DBB

## PROJECTS NOT RESCORED

- Programs
- Project Phase Status
- Project Execution Construction
- Project Execution Pending Closeout
- Project Execution Design & Project Delivery Method = CMAR, DB, or PDB



# PROJECT SCORING - EXAMPLE

**Project Manager Weighted Score: 93**

Criteria Name	Score	Comment
Condition	5	A. Asset has immediately breakdown
Performance (Service Level/Reliability)	5	D. Canceling and/or reliability service level performance obsolete/ext OOS 50% of significant c
Regulatory (Environmental/Legal)	5	F. Compliance impact, E. D violations, regional or ecosystem, Unregulated permit/regu
Operations and Maintenance	4	C. Repairs to keep in serv
Health and Safety	2	B. Project li concerns ad
Public Benefit	3	F. Canceling relationships (\$100K-\$49
Financial	3	C. Moderate years, D. C repair/rest
Efficiency and Innovation	3	A. Project revenue/sav



Project Title: Northeast Water Treatment Plant Flocculator Replacements

Project Status: Project Execution - Construction

CIP Type: Project

Class Lvl 1: Water

Class Lvl 2: Treatment Plants and Facilities

Class Lvl 3: Northeast

☐ Project New to CIP

☒ Useful Life > 20 Yrs

☐ Multiple Phases

☐ Innovation

☐ WW Master Plan

☐ Water Master Plan Right Sizing

☐ Wet Weather Resiliency

☐ Redundancy

☐ NE WTP Repurposing

☐ Predecessor Project(s)

☐ Linear Assets Outside of Facilities

☐ CSO

☐ Pumps

☐ Storage

☒ Treatment



Page 1

CIP Number: 112006

Project Score

**82.4**

Project Manager: Brian VanHall

Director: Tim Kuhns

Managing Dept.: Water Eng

Date Original Business Case Prepared: 10/1/2018

Year Project Added to CIP: 2018

CIP Budget: Water

Project Jurisdiction: City of Detroit

Lookup Location: Northeast Water Treatment Plant

Funds and Cost Center: Water - 5519-882111 (Water Treatment Plants (WTP))

**Review Committee Weighted Score: 82.4**

Criteria Name	Score	Comment
Condition	5	Scores carried over from previous year
Performance (Service Level/Reliability)	5	Scores carried over from previous year
Regulatory (Environmental/Legal)	4	Scores carried over from previous year
Operations and Maintenance	4	Scores carried over from previous year
Health and Safety	4	Scores carried over from previous year
Public Benefit	2	Scores carried over from previous year
Financial	3	Scores carried over from previous year
Efficiency and Innovation	4	Scores carried over from previous year



# PROJECT SCORING - REVIEW COMMITTEE

- All New Projects
- +/- 10 variance from previous score

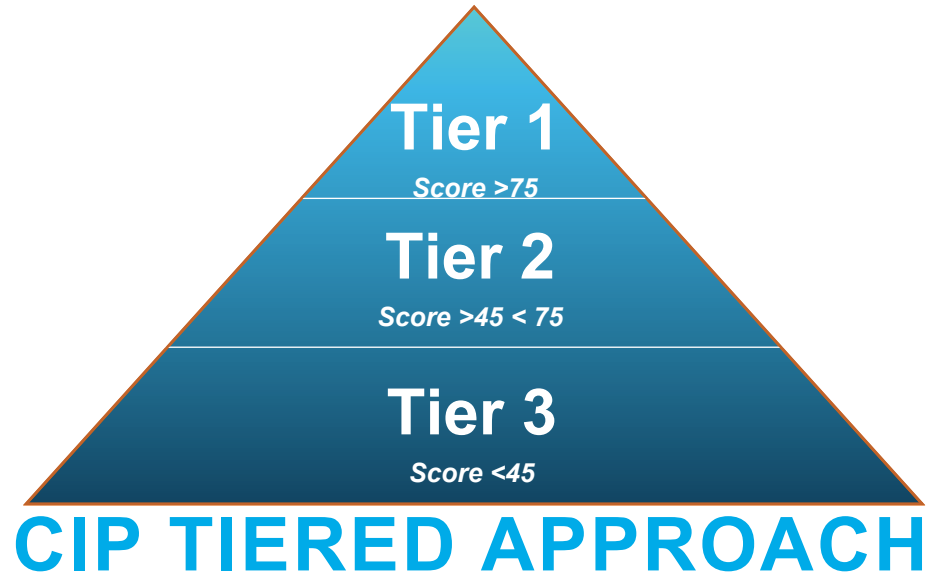
WATER
Cheryl Porter, Chief Operating Officer - Water Services
Terry Daniel, Deputy Chief Operating Officer
Biren Saparia, Director - Systems & Resiliency
Chandan Sood, Director - Water Analytics, Planning & Metering
*John Danci, City of Dearborn Heights
Michael Dunne, Manager Life Cycle Project Management
Peter Fromm, Director - Water Transmission
Ronald Hayes, Director - Water Operations
Steven Dutschke, Director - Enterprise Asset Management
Timothy Kuhns, Director - Water Engineering
**Eric Kramp, Life Cycle Project Manager (Scoring Alternate)
**Erich Klun, Life Cycle Project Manager (Scoring Alternate)

WASTEWATER
Navid Mehram - Chief Operating Officer - Wastewater Services
Christopher Nastally - Director - Wastewater Engineering
Philip Kora - Manager - Wastewater Life Cycle Project Management
Kevin Jankowski - Director - Wastewater Analytics, Planning & Metering
Majid Khan - Director - Wastewater Operations
Steven Dutschke - Director - Enterprise Asset Management
Mini Panicker – Director – Energy and Resiliency
Vincent Genco - Manager - Wastewater Engineering
*Michael Way, Grosse Pointe Shores
**Kashmira Patel - Life Cycle Project Manager (Scoring Alternate)
**Greg Marker - Life Cycle Project Manager (Scoring Alternate)

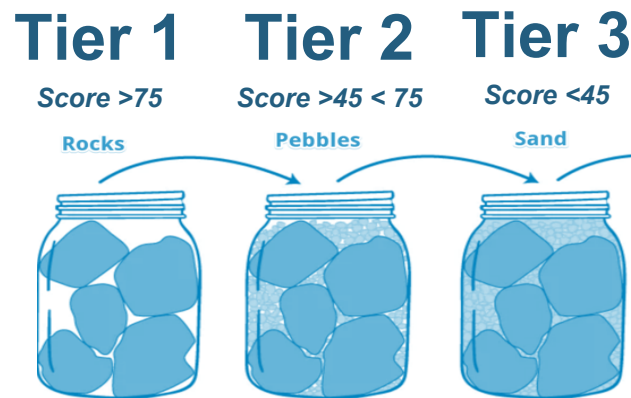
\* Member Partners Representative  
 \*\* Alternate Members

Thank you!

# PROJECT SCORING - EVALUATION



- Holistic Decision Factors
  - Predecessor Projects
  - Delivery Flexibility
  - Funding Source
  - Financial Plan
  - Proactive Planning
  - Constructability
  - Operational Considerations
  - Efficient Resource Allocation
  - Integrated Asset Management



# PROPOSED NEW PROJECTS / PROGRAMS

## FY 27-31 CIP

### WATER (\$118 million Total Budget)

1. 112009 – Northeast Sedimentation Basins Sludge Processing Facility. *PM Score 94.6 / RC Score 74.4*
2. 114019 – Springwell Sedimentation Basins Sludge Processing Facility. *PM Score 92.7 / RC Score 74.4*
3. **116101 – Design/Inspection of Raw Water Tunnels** *PM Score 78.4 / RC Score 59.4*
4. **122024 – Central Post Beard Transmission Main Renewal** *PM Score 90.1 / RC Score 75*
5. **122025 – Morang Transmission Main Replacement** *PM Score 62.7 / RC Score 63.9*
6. **170507 – Water Transmission, Valve, Emergency and Other Urgent Repairs** *PM Score 100 / RC Score 100*
7. 170605 – 42", Squirrel, Auburn Hills *PM Score 77.7 / RC Score 58.4*
8. 170606 – 120-inch Renewals *PM Score 80.7 / RC Score 77.5*
9. 170607 – 42" Tyler-North, Van Buren Twp *PM Score 72.6 / RC Score 57.5*
10. 170700 – Transmission Pump Station Mechanical/Structural/Architectural Improvements Program. *No Score\**

### WASTEWATER

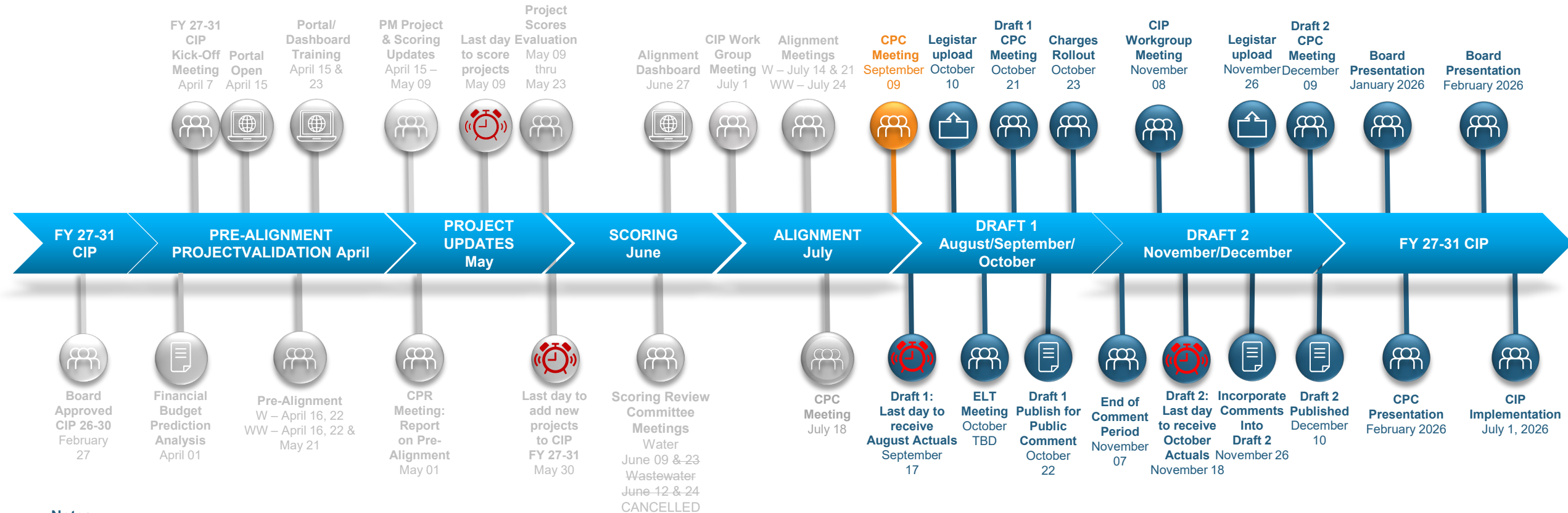
No New Projects Added

Notes:  
 Bold– Outside GLWA Facilities  
 \* Programs are not scored

CIP – Capital Improvement Plan | DWSD – Detroit Water and Sewerage Department | RC – Review Committee | PM – Project Manager



# CIP FY 27-31 - WHAT'S NEXT



## Notes:

**Draft 1 Actuals Cut-Off:** August 31

**Draft 2: Actuals Cut Off:** October 31

# THANK YOU!