

# 5-Year (FY22/23-FY26/27) Capital Improvement Program

Board of Directors Meeting June 22, 2022



## 5-Year Capital Improvement Program (CIP) Development Schedule



#### **Board Meeting**



 Board received a report regarding major factors impacting the development of the new 5-year CIP



 Board reviews proposed SSC adjustments, considers setting public hearing and approving distribution of Prop. 218 notices



 Board reviews key operating budget assumptions, draft 5-year CIP (FY22/23-FY26/27)

June 22, 2022

- CIP Public Hearing, Board considers CIP approval
- SSC Public Hearing, Board considers SSC approval and authorizing collection on tax roll
- Board considers approval of FY22/23 Budget appropriations

## District Strategic Plan (Aug 2021)



#### **Goal Infrastructure Investment**

Ensure the long-term effectiveness and reliability of critical District infrastructure through prioritized, cost-effective capital investment and maintenance

#### **Key Highlights**

- Ensure effective capital project delivery (engagement, lifecycle costs, risk assessments, lessons learned, defined roles and responsibilities)
- Conduct and integrate infrastructure condition assessment, master planning, and CIP prioritization
- Develop strategic, risk-based Asset Management Program



### **Overview**

### **5-Year CIP Development Process**



Update Existing Project Scopes, Budgets, and Schedules

Solicit New Project Ideas to Address New Issues

Develop Scopes, Budgets, Schedules for Selected New Projects

Prioritize Existing and New Projects based on Key Criteria

Develop Funding Plan and Assess Rate Impacts



- Critically review operating budget each year to identify budget adjustment needs and opportunities
- Ensure effective prioritization of a CIP that addresses critical infrastructure needs
- Utilize a 5-year rate model to identify SSC revenue needed to meet cost projections without sharp rate increases
- Maximize cash funding of CIP (vs. debt financing) to ensure lowest overall costs for District customers
- Meet District policy to maintain minimum reserve balance
- Factor growth into SSC calculation each year to ensure equitable cost allocation across customers
- Reserve future debt capacity for long-term nutrient management treatment plant upgrades
- Maintain SSCs below average relative to peer agencies

### 5-Year CIP Overview



- Proposed 5-year CIP (FY22/23-FY26/27) = \$135.9M
  - Supporting Strategic Plan implementation
  - 2 Investing in existing wastewater infrastructure renewal
  - **3** Addressing new infrastructure needs
  - Adapting to shifting project priorities and changes
  - Integrating key asset management principles
  - Oriving organizational improvement
  - Planning for the future
- Current 5-year CIP (FY21/22-FY25/26) = \$127.0M
  - Proposed 5-year CIP = +\$8.9M increase
- FY22/23 CIP Budget Request
  - Required FY22/23 CIP budget appropriation = \$10.8M
  - Estimated carryover budget for FY22/23 = \$6.0M
  - Estimated FY22/23 CIP expenditures = \$16.8M

### 5-Year CIP Overview (cont'd)



Focus Areas	Key Actions
2 Investment in Existing Wastewater Infrastructure Renewal	√ 78% of the total CIP total is allocated to rehabilitation and/or replacement of critical wastewater infrastructure
3 Addressing New Infrastructure Needs	<ul> <li>✓ CIP includes seven new, prioritized projects totaling \$3.0M</li> <li>✓ \$1.5M for Recycled Water Facility and WWTP interconnection to support regulatory compliance objectives during potential WWTP process upset events</li> <li>✓ \$0.4M for overhaul of existing cogeneration engine to support resource recovery via on-site power generation (meets ~60% of WWTP needs)</li> </ul>
Planning for the Future	✓ CIP includes five master plans totaling \$1.8M to identify strategic considerations and guide prioritized infrastructure investment in recycled water, process control, electrical, and biosolids focus areas

## Major Infrastructure Investment Drivers Impacting CIP Development



Wastewater Collection System

- Most of Bay Point system is in "fair to good" condition
- Address infrastructure needs via Bay Point Sewer Repair Phase 5 Project (\$3.0M) for ongoing compliance with 2013 River Watch Settlement Agreement

Wastewater Conveyance System

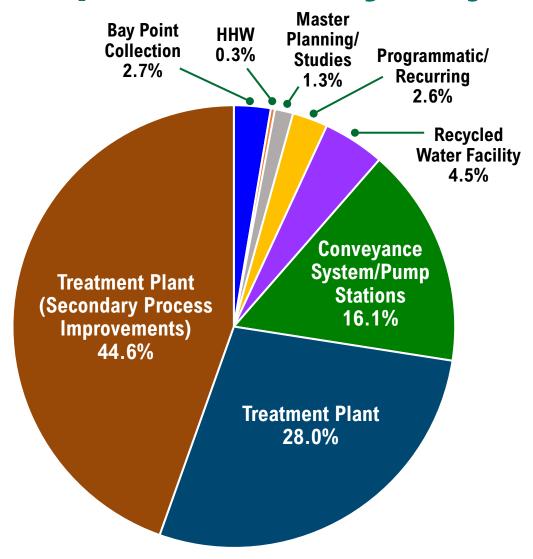
- Intensifying focus on gravity sewer rehabilitation
- Significant cost increase for Antioch PS and Conveyance System Improvements (\$18.5M, +\$9.5M increase)
- Manhole, Gravity Interceptor, Easement Roadway
   Improvements (\$1.5M)—includes condition assessment
- Bridgehead Pipeline Replacement (\$3.5M)

Wastewater Treatment Plant

- Complete Switchgear Replacement Project (\$6.0M)
- Initiate Digester Gas Handling and Cogeneration Engine Improvements (\$7.0M)
- Address significant regulatory compliance vulnerability via Secondary Process Improvements (\$60M)

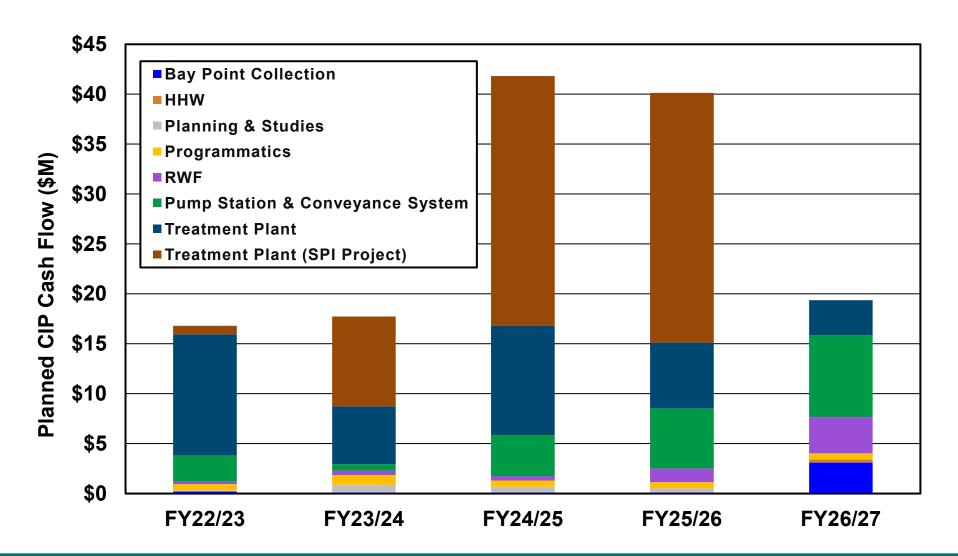
## 5-year CIP Overview Planned Expenditures by Major Area





## 5-year CIP Overview Planned Expenditures by FY





#### **Recommended Actions**



- Conduct a Public Hearing on FY22/23-FY26/27 CIP
- After receiving public comments, consider:
  - Approving FY22/23-FY26/27 CIP, and
  - Authorizing General Manager to file a California Environmental Quality Act (CEQA) Notice of Exemption

