











# 5-Year (FY23/24-FY27/28) Capital Improvement Program

Board of Directors Meeting June 14, 2023

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



#### March 8, 2023

Board received a staff report on Major Factors Impacting 5-year CIP Development

#### May 10, 2023

Board reviewed draft FY23/24-FY27/28 CIP

#### June 14, 2023

CIP Public Hearing and Board Considers Final 5-year CIP Adoption

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

## District Strategic Plan (Aug 2021)



### **Goal 1** 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 Proposed 5-year CIP



- Ensuring effective prioritization of capital investment to address critical aging infrastructure, regulatory compliance needs in wastewater collection, conveyance, and treatment, and recycled water systems
- Proposed 5-year CIP = \$139.1M
  - +\$3.2M from current CIP (\$135.9M)
- FY23/24 Budget Appropriation Need Required FY23/24 CIP Budget Appropriation = Estimated FY23/24 Carryover Expenditures = Estimated FY23/24 CIP Expenditures =





**\$12.0M** <u>\$4.8M</u> \$16.8M

## Major Drivers Impacting Proposed 5-yr CIP Development (Mar 2023 Update)



#### Secondary Process Improvements

- Project schedule has been delayed by approximately two years (completing master planning work)
- Original Project scope (\$60M) did not include nutrient removal (renew infrastructure, address service area growth)
- Algal blooms in SF Bay in summer 2022 may accelerate implementation of nutrient removal requirements

# APS and Conveyance System Improvements

- Project schedule has been delayed by approximately two years (significant planning/predesign efforts to determine best project approach)
- Significant cost increase (\$18.5M, +\$9.5M increase)

#### Cogeneration System Improvements

- Project schedule has been delayed by approximate one year (provided opportunity to access federal funding)
- Staff is pursuing accelerated design schedule to meet federal tax credit requirement under Inflation Reduction Act (in construction by December 31, 2024)
- \$10M construction cost w/assumed \$3M tax credit

# **Ensuring Infrastructure Renewal Planned Expenditures by Major Area**



### Addressing Aging Infrastructure Needs

 ~78% of CIP supports rehabilitation and/or replacement of existing critical wastewater infrastructure

### Prioritizing New Capital Investment Needs

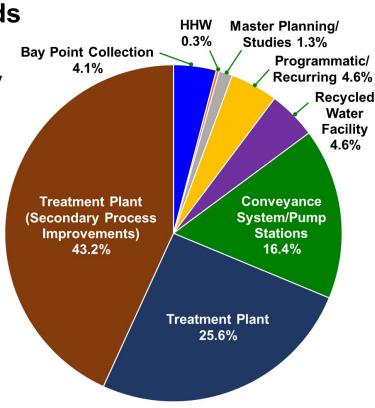
- Ten new projects (\$6.0M)
- \$3.6M in FY23/24 including Manhole, Gravity Interceptor, and Easement Improvements Phase 2 (\$2.0M) and Conveyance System Assessment (\$0.7M)

### Ensuring Integrity of BP Collection

 Near- and long-term efforts to repair prioritized segments (\$5.8M)

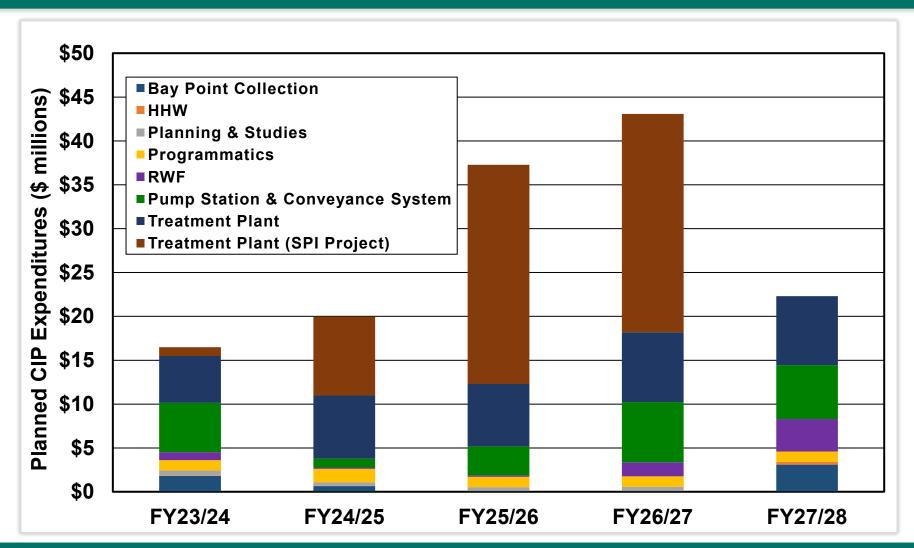
### Planning for the Future

 CIP includes \$1.8M for five master planning efforts to guide future investments



# Significant Capital Projects on Horizon Planned Expenditures by Fiscal Year





### **Recommended Board Actions**



- Conduct and close public hearing on FY23/24-FY27/28 CIP, and consider testimony received
- Adopt a Resolution approving FY23/24-FY27/28 CIP
- Authorize General Manager to file a California
   Environmental Quality Act (CEQA) Notice of Exemption

