

**File No. 250208:
Specialized & Technical As-Needed Services for
Operations and Maintenance Support, Amendment No. 1**

**Budget and Finance Committee
April 9, 2025**

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PRO.0231.A-D Contract Background

Awarded June 13, 2023, by SFPUC Commission Resolution No. 23-0114

Four contracts (A-D) each with an amount not-to-exceed \$7,500,000 and a duration of five years

Provide as-needed services that consists of:

Water Services: Water supply, storage, delivery, conveyance, water quality, water treatment, wastewater treatment, engineering planning

Power Services: Powerhouse equipment, controls/communication systems, transmission and distribution, engineering planning

Operations: Asset management, condition assessments, project prioritization, environmental and regulatory compliance

Hetch Hetchy Water and Power System

\$15 billion in assets

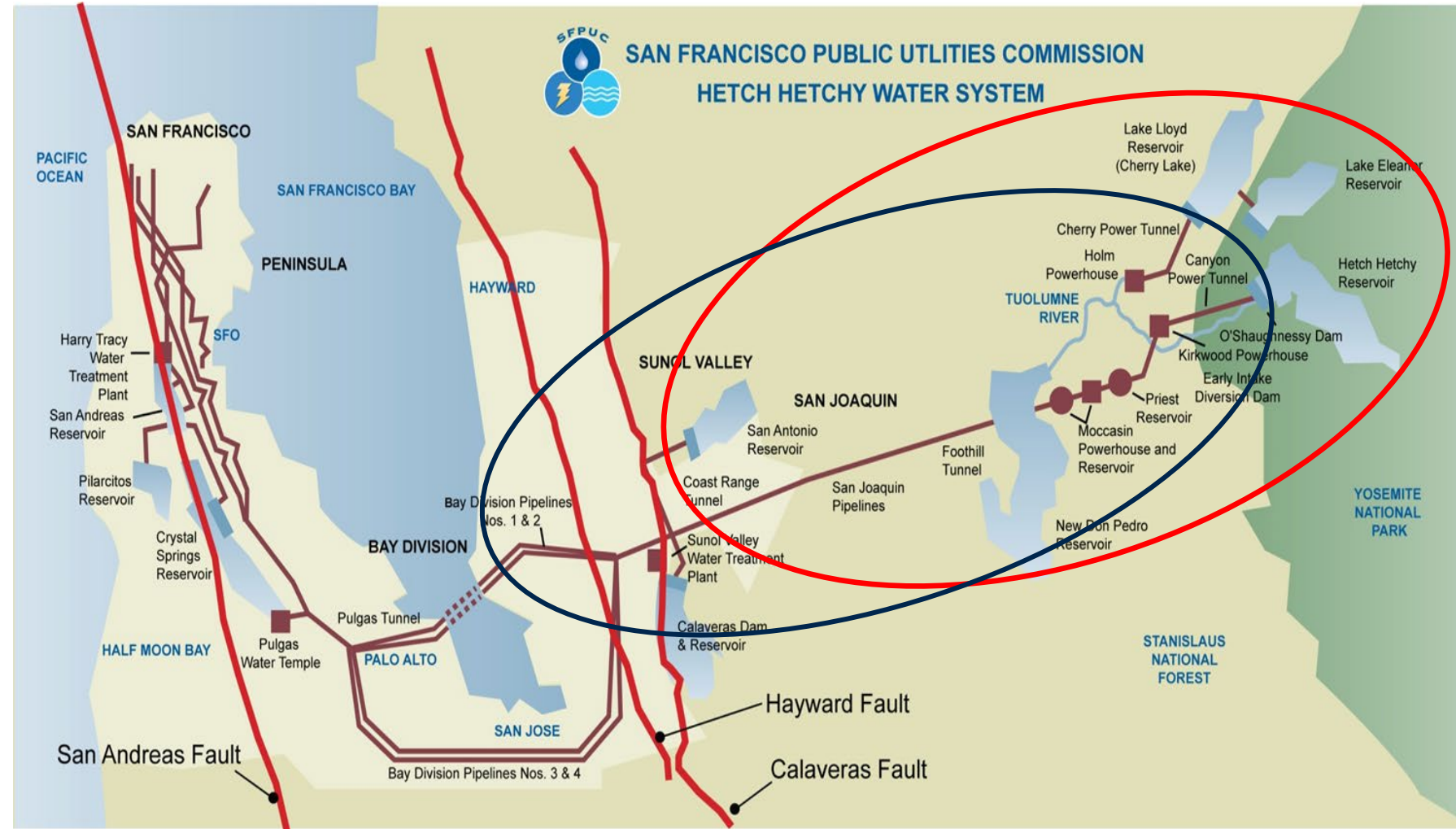
2.7M water customers

400 MW of GHG-free capacity

Territory covers over 150 miles

Much of the system is over 100 years old

Majority of assets have surpassed their useful life





PRO.0231.A-D Amendment No. 1 Request

Increase each of the four PRO.0231 contracts by \$5,500,000

New total not-to-exceed amount of \$13,000,000 per contract

No change to the contract durations of five years

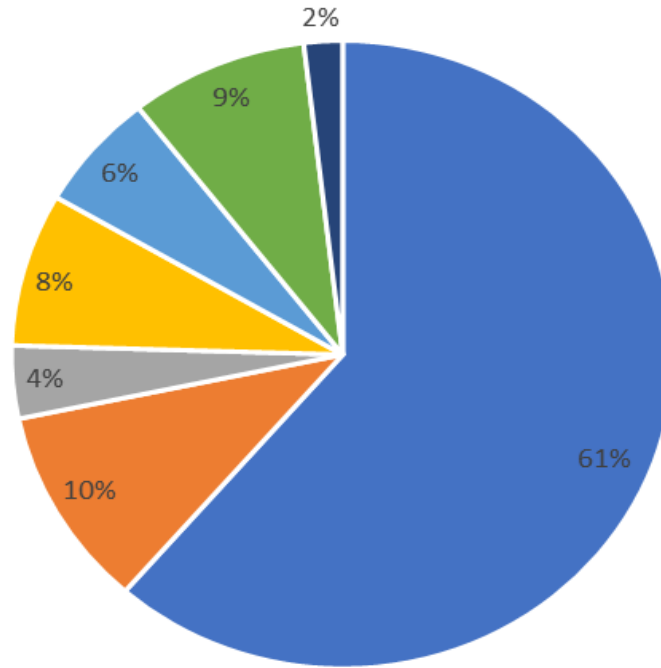
Contracts:

- A. Stantec/JHCE JV
- B. MMD JV
- C. AECOM/WRE JV
- D. Lee Incorporated



How We Are Using This Contract

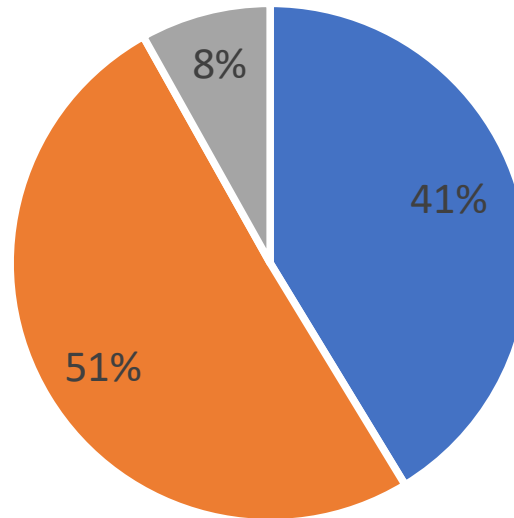
PRO.0231 Contract by Use



- Capital
- Regulatory (environmental, wildfire, power, cultural)
- Records Management
- Engineering and Surveying
- Operations
- Asset Management
- Other

How We Are Using This Contract

PRO.0231 Capital Work Breakdown



- Capital Planning, Risk Management and Financial Services
- Rehabilitation & Repair Management (Job Managers, Project Controls)
- Strategic Asset Management Planning, including Hierarchy Development

Why Are We Requesting This Amendment

Higher than anticipated contract usage rate:

Significant increase in capital plan spending to address aging infrastructure

Planning, risk management, and prioritization

Environmental and cultural resources

Pace of regulatory changes:

Power regulations

Wildfire mitigation

California Air Resources Board

Skill and resource gaps created by new technology introduced in rehabilitated infrastructure

Transmission System Condition Assessment (\$2.06M)

Age ranges from 60 to 100 years

Recently rehabilitated Lines 7/8:

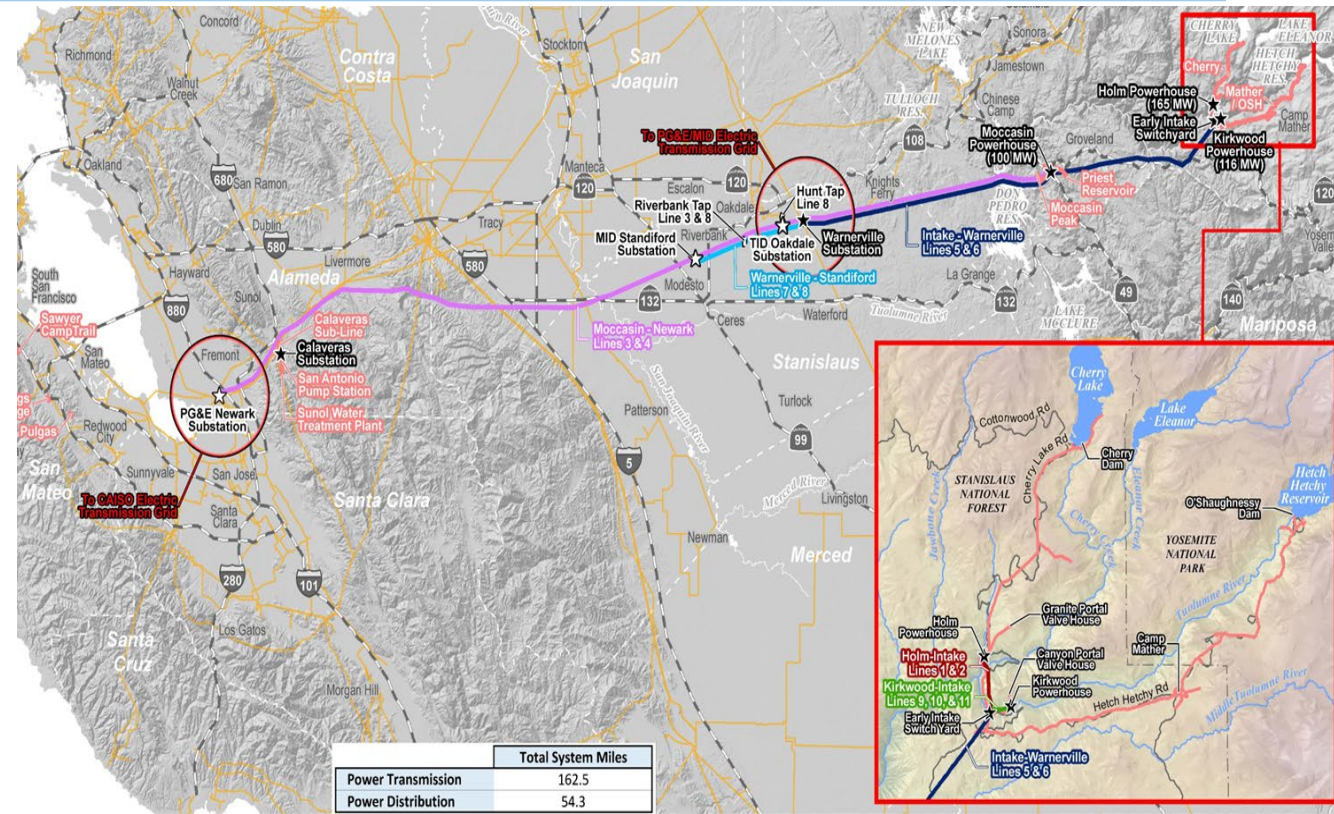
Total project costs \$33M

\$29.6M collected from renewable developers (YTD)







Last condition assessment 2009, about 7% of towers inspected

Overhead electrical lines are one of our largest risks, with about 45 miles within High Fire Threat Tiers 2 and 3

Replacement value of our transmission assets are over \$2B. Current effort to determine future work on these assets is less than 1% of replacement value

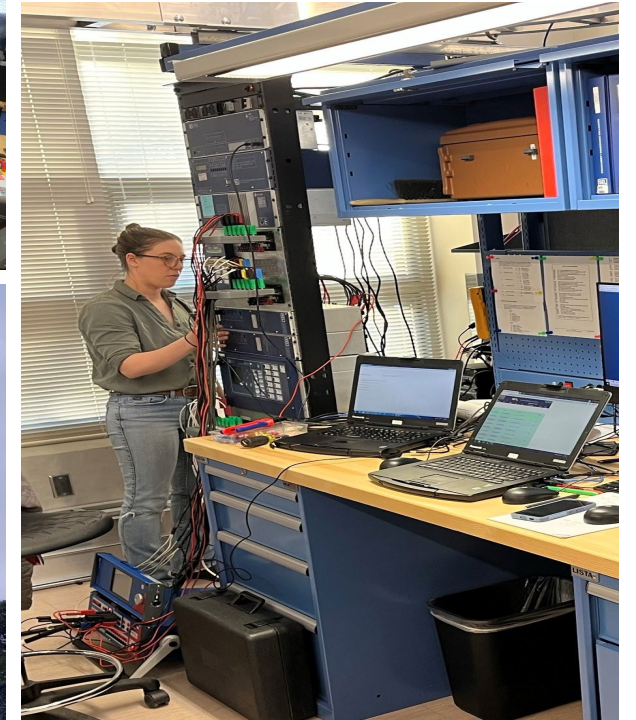


Hetch Hetchy Water and Power Transmission System

-  Holm - Intake Lines 1 & 2 (Holm Powerhouse to Early Intake Switchyard)
-  Kirkwood - Intake Lines 9-11 (Kirkwood Powerhouse to Early Intake Switchyard)
-  Intake - Warnerville Lines 5 & 6 (Holm Powerhouse to Warnerville Substation)
-  Warnerville - Standiford Lines 7 & 8 (Warnerville Substation to Standiford Substation)
-  Moccasin - Newark Line - Circuits 3 & 4 (Moccasin Powerhouse to Newark)
-  SFPUC Power Distribution System

Electrical Maintenance Plan Development (\$1.5M)

Electronic Maintenance Technicians perform a wide variety of highly skilled technical work including the trouble-shooting, maintenance, testing, repair, calibration, fabrication, installation and modification of a wide variety of electronic equipment.



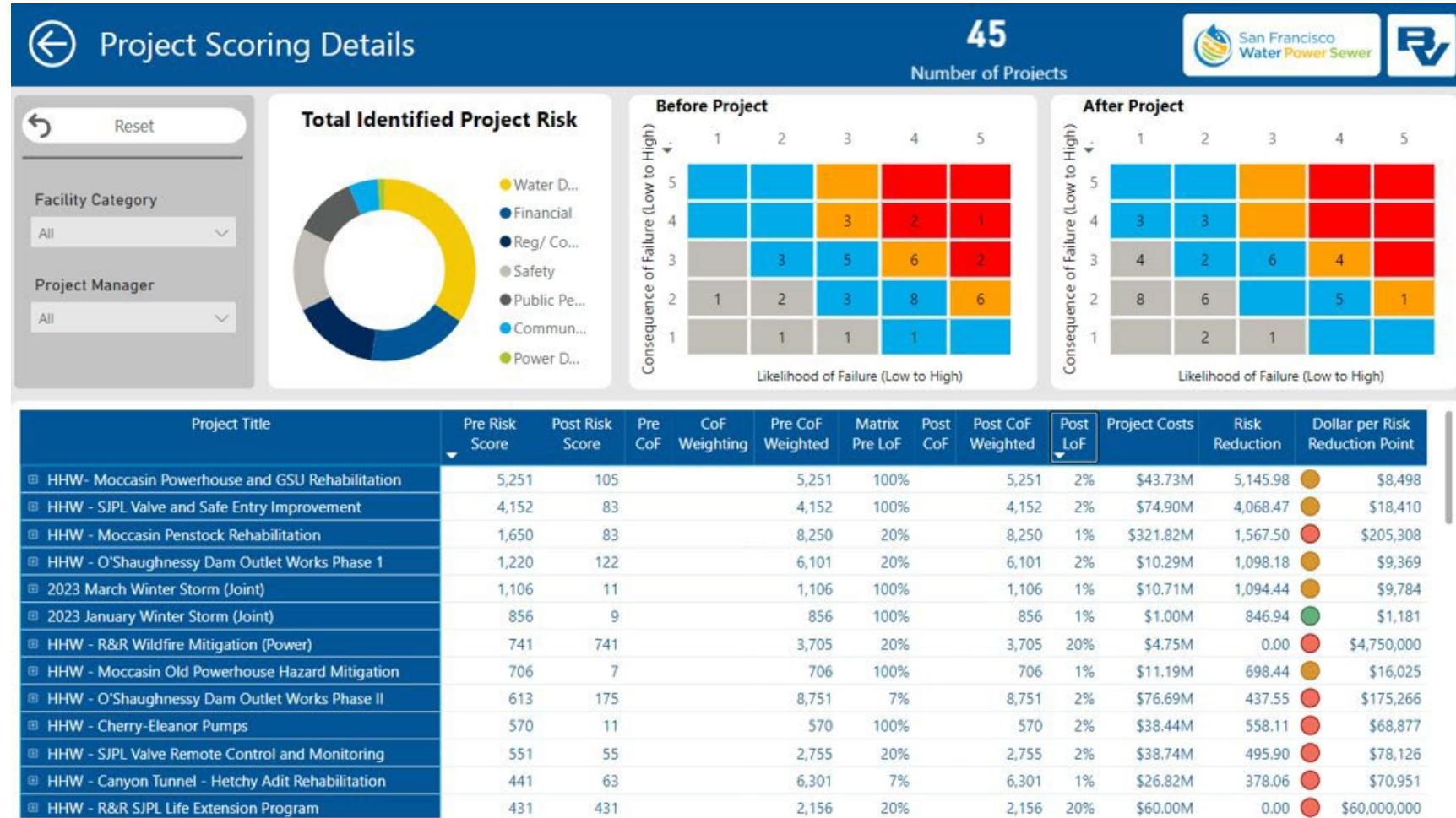
Risk Tool Development (\$300k Annually)

Risk-based capital planning used for targeted capital investments

Quantifiable approach to likelihood and consequence of failure of assets

Used to prioritize capital project spending

As we complete projects, the risk profile adjusts to show progress



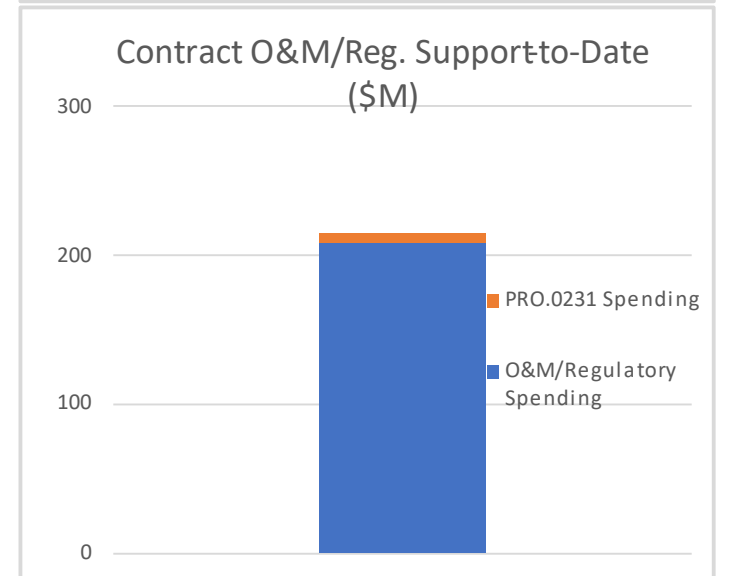
Financial Context

Contract expended/encumbered: \$17.9M /\$30M contract capacity

Capital Program Funding: \$11.2M or 4% of capital program expenditures

Operating/Maintenance/Regulatory Funding: \$6.7M or 3% of Operating and Programmatic budgeted expenditures

Contract allows us to prioritize limited funding and address resource gaps for successful implementation of capital, regulatory, and facilities maintenance programs



Thank you!
Questions?



**San Francisco
Water Power Sewer**
Services of the San Francisco Public Utilities Commission