General Contractors Association Membership Meeting
October 8, 2019
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Capital Projects Division

Building our future with thoughtful, collaborative solutions
Oahu’s Water System

Serving 145 million gallons of water per day to 1 million people

Water Sources
- 13 Tunnels
- 5 Shafts
- 194 Groundwater Wells and Source Pumps
- 13 Treatment Facilities
- 171 Potable Water Reservoirs
- 192 Booster Pumps

170,000 Services
21,000 Fire Hydrants
2,100 miles of Pipeline
30-Year CIP by Category

- Research & Development: 3%
- Capacity Expansion: 39%
- Renewal & Replacement: 58%
FY 2020 CIP

• Supports the BWS vision and mission of Water For Life: Safe, dependable and affordable water now and into the future
• Aligned with the BWS Strategic Plan 2018-2022, Divisions’ Goals & Objectives and the Six-Year Capital Improvement Program
Project Category Highlights

Research and Development ($6.25 million)

- Construction Management for Various BWS Construction Projects
- Halawa Valley Groundwater Monitoring Wells, Phase II
- Waialae Nui Well Test
- Waiawa 228 Reservoir Environmental Assessment
Project Category Highlights

Renewal and Replacement ($116.85 million)

- Mililani Wells II: Replacement of Pumping Units
- Waipahu Wells I Renovation
- Hoaeae Wells Pump Replacement and Electrical Upgrades
- Pump Renewal and Replacement
Project Category Highlights

Renewal and Replacement (continued)

- Main replacement construction in Kamehameha Heights, Pupukea, Kaneohe, Makakilo and Pauoa – **8.3 miles**
- Main replacement design in various location including Ewa Beach, Waipahu, Kuliouou, Kaneohe, Ahuimanu, and Hauula – **15.6 miles**

13.3 miles of pipeline currently under construction
Project Category Highlights

Renewal and Replacement (continued)

- Moanalua and Quarry Pipeline Tunnel repairs
- Service lateral replacements
- Granular Activated Carbon (GAC) water treatment facility renovations and improvements
Project Category Highlights

Renewal and Replacement (continued)

- Water Meter Transponders Replacements, Phase II
- Security Improvements at Various Locations
- Beretania Public Service Building Exterior Improvements
- Facility Reroofing, Repair and Renovations
Project Category Highlights

Capacity Expansion ($20.85 million)

- Kalawahine 180 2.0 MG Reservoir
- Waialae West Well
- Mililani 994 Booster
Working together

Water for Life:
Safe, dependable and affordable water now and into the future
WATER FOR LIFE
Safe, dependable, and affordable water now and into the future

ENTRUED TO US TO
PRESER FOR FUTURE GENERATIONS

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