

APT Committee

From: Wendy Taomoto <Wendy.Taomoto@co.maui.hi.us>
Sent: Monday, March 1, 2021 1:00 PM
To: APT Committee
Cc: Helene Kau; Holly Ho; Jeff Pearson; Linda Kimura; Michele Sakuma
Subject: OPERATIONAL AND BUDGETARY REVIEW OF THE DEPARTMENT OF WATER SUPPLY (APT-26)
Attachments: COUNCIL12.31.20STATUS rev 3-1-2021 WKT.pdf

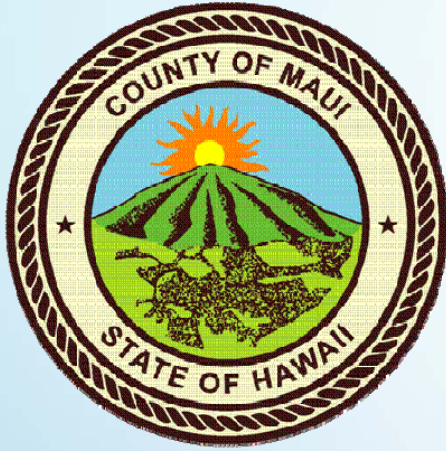
APT Committee:

Please find attached PDF of DWS presentation for tomorrow's meeting.

Thanks,

Wendy Taomoto, P.E.
Engineering Program Manager

Engineering Division
Department of Water Supply
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DEPARTMENT OF WATER SUPPLY

OPERATIONAL AND BUDGETARY REVIEW FISCAL YEAR 2021

Presentation to:
AGRICULTURE AND PUBLIC TRUST COMMITTEE
MAUI COUNTY COUNCIL
MARCH 2, 2021

By Water All Things Find Life

DEPARTMENT PROGRAMS

ADMINISTRATION

OFFICE OF THE DIRECTOR
WATER RESOURCES & PLANNING
FISCAL/CUSTOMER SERVICE
ENGINEERING

73 PERSONNEL

0 EXPANSION

OPERATIONS

FIELD OPERATIONS
PLANT OPERATIONS
WATER TREATMENT PLANT
OPERATIONS

151 PERSONNEL

1 EXPANSION

DEPARTMENT EXPENSES

FIXED COSTS

POWER

PAYROLL

DEBT SERVICE

COUNTY OVERHEAD CHARGES

DEPARTMENT-WIDE EXPENSES

TELEPHONE

GASOLINE/DIESEL

WATER CHARGES

GRANT FUNDS

DISCRETIONARY COSTS

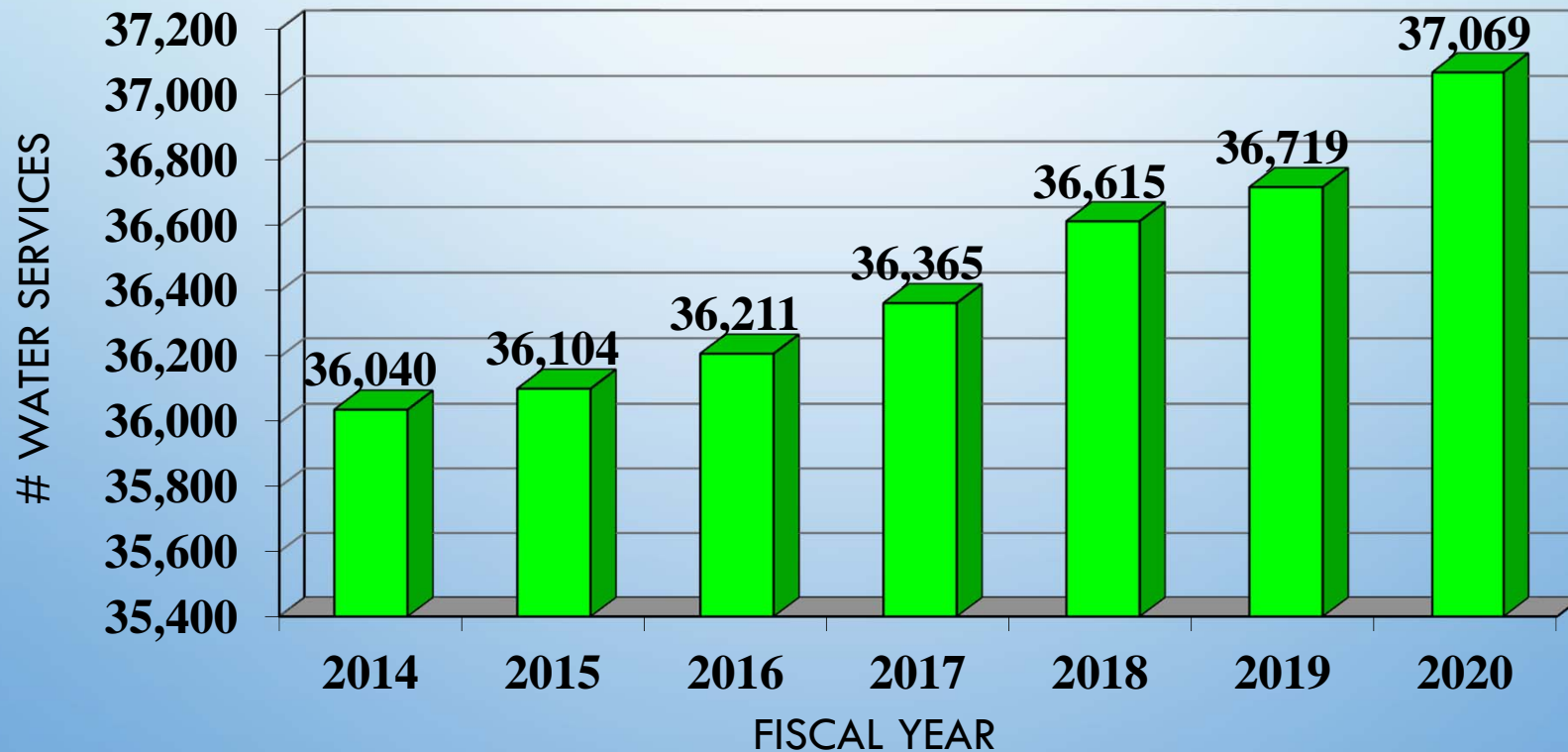
PROFESSIONAL SERVICES

METER REPLACEMENT PROGRAM

EQUIPMENT PURCHASES

WATER SERVICES AS OF 1/31/2021

37,103 Water Services



FY2021 ADOPTED BUDGET

REVENUE: \$90.8 MILLION

EXPENSES: \$71.2 MILLION OPERATIONS

\$19.6 MILLION CIP

\$90.8 MILLION

STATUS AS OF 1/31/2021

REVENUE: \$39,990,996

EXPENSES: \$32,122,964 OPERATIONS

\$3,064,489 CIP

\$35,187,453

MAJOR EXPENSES AS OF 1/31/2021

ELECTRICITY:	\$6.7 MILLION
PAYROLL:	\$8.3 MILLION
PROFESSIONAL SERVICES:	\$4.6 MILLION
GRANTS:	\$4.1 MILLION

COVID IMPACTS

- REVENUE IS DOWN 6% COMPARED TO THE SAME TIME LAST YEAR
- DELINQUENT ACCOUNTS GREATER THAN 120 DAYS ARE UP TO 12% OF ACCOUNTS RECEIVABLE
- THROUGH CARES ACT FUNDING, THE COUNTY WAIVED THE CONVENIENCE FEES FOR CREDIT CARD PURCHASES THROUGH JANUARY

SMALL METER REPLACEMENT PROGRAM

YEAR 1 (JULY 2020-APRIL 2021)

PROPOSED METERS: 10,016

METERS COMPLETED: 8,280 (82.6%)

AREAS COMPLETED: WAILUKU & LOWER KULA

AREA REMAINING: PAIA

YEAR 2 (JULY 2021-APRIL 2022)

PROPOSED METERS : 8,000

AREAS: KAHULUI & LAHAINA

CAPITAL IMPROVEMENT PROGRAM



Well Sites



Storage Tanks



**Waterlines &
Fire Hydrants**



**Water Treatment
Facilities**



Reservoirs



**Booster Pump
Stations**

CAPITAL IMPROVEMENT PROGRAM AS OF 1/31/2021

**FY2021
APPROVED:**

\$19,603,329

**FY2021
ENCUMBERED:**

\$3,064,489

7 CIVIL ENGINEERS

IN-HOUSE DESIGN

CONTRACT ADMINISTRATION

CAPITAL IMPROVEMENT PROGRAM AS OF 1/31/2021

APPROVED FY2021:

\$19,603,329

ENCUMBERED:

\$3,064,489

CAPITAL IMPROVEMENT PROGRAM

\$19,603,329

COUNTYWIDE RELIABLE CAPACITY: \$1,500,000

COUNTYWIDE FACILITY IMPROVEMENTS: \$4,800,000

COUNTYWIDE UPGRADES & REPLACEMENTS: \$10,443,329

COUNTYWIDE WATER SYSTEM MODIFICATION: \$500,000

KAHULUI TANK II: \$860,000

WEST MAUI RELIABLE CAPACITY: \$1,500,000

COUNTYWIDE RELIABLE CAPACITY

\$1,500,000

PROJECT DESCRIPTION

Countywide Reliable Capacity project support source, transmission, and storage expansion countywide.



PROJECTS

Development of Source for the Central Maui Water System
Feasibility Study for the East Maui Source Development

COUNTYWIDE FACILITY IMPROVEMENTS

\$4,800,000

PROJECT DESCRIPTION

The Countywide Facilities Improvements project addresses critical infrastructure and facility issues at water treatment plants (WTP), well sites, water tank sites, booster pump station sites, and other DWS facilities.



COUNTYWIDE FACILITY IMPROVEMENTS

PROJECTS

Kahakapao WTP - 50 MG Reservoirs Re-Lining

Mahinahina WTP - Filter #4 Basin Repairs

Kamole WTP - Structural Repairs

Piiholo WTP - Filter Basin Refurbishment

Olinda WTP - Clearwell Roof Replacement

Mahinahina WTP - Controls Upgrade

NASKA Baseyard Electrical Upgrade



COUNTYWIDE UPGRADES & REPLACEMENTS

\$10,443,000

PROJECT DESCRIPTION

The Countywide Upgrades and Replacements project supports improvements that will sustain the reliable operation of existing water infrastructure or mitigate inadequacies of the water system for existing and future demand with projects at water treatment plants (WTP), well sites, booster pump stations, tank sites, and waterlines.



COUNTYWIDE UPGRADES & REPLACEMENTS

PROJECTS WATERLINE REPLACEMENTS

North Kihei Road Waterline Replacement

Hana Waterline Replacement

Holowai Waterline Replacement

Kailua Stream Bridge Waterline Realignment



COUNTYWIDE UPGRADES & REPLACEMENTS

PROJECTS

MOTOR CONTROL CENTER & ELECTRICAL UPGRADES

Mokuhau Wells

Kanoa Well Site

Koali Booster Pump Station

Malaihi Booster Pump Station

Kalae Booster Pump Station



COUNTYWIDE UPGRADES & REPLACEMENTS

PROJECTS WELL PUMP & MOTOR REPLACEMENT

Haiku Well

Kawela Well Shafts #1 and #2

Maui Lani Well #5

Ualapue Well Shafts #1 and #2

Waihee 577 Well



COUNTYWIDE UPGRADES & REPLACEMENTS

PROJECTS BOOSTER PUMP & MOTOR REPLACEMENT

Koali Boosters #1 and #2

Kalae Booster

Haleakala Acres Boosters #1 and #2

Wailea Booster #1

Kula Ag Park Reservoir A Booster #1

Kula Ag Park Reservoir B Booster #1

Lower Kula Booster #2

Kaupakalua Booster #2



COUNTYWIDE UPGRADES & REPLACEMENTS

PROJECTS

WATER TREATMENT PLANT UPGRADES

Mahinahina WTP – Disinfection Upgrades



COUNTYWIDE WATER SYSTEM MODIFICATIONS

\$500,000

PROJECT DESCRIPTION

The Countywide Water System Modification supports all CIP projects, including prior fiscal year, ensuing fiscal year, and emergency projects to efficiently provide clean and safe drinking water to customers. An effective CIP program demands an ability to respond to unanticipated planning, design, permitting, and construction issues in a timely manner.



KAHULUI TANK II

\$860,000

PROJECT DESCRIPTION

**Construction of new 2 million gallon storage tank.
This is a joint project with Maui Lani.**

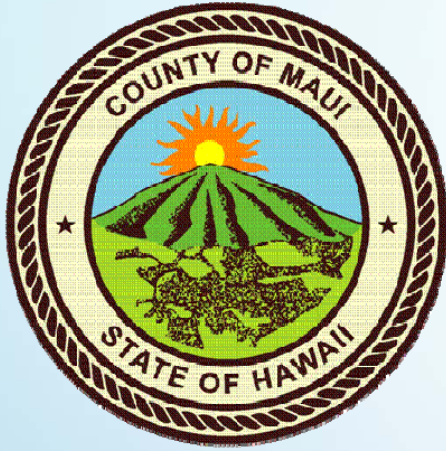


WEST MAUI RELIABLE CAPACITY \$1,500,000

PROJECT DESCRIPTION

The West Maui Reliable Capacity project will support source, transmission, and storage expansion for the West Maui Water system. Projects include design and construction for Launiupoko Well #1 and Launiupoko Well #2.





DEPARTMENT OF WATER SUPPLY

MAHALO

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