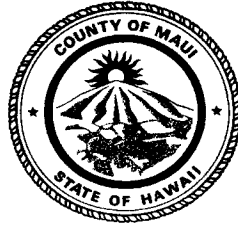


ALAN M. ARAKAWA
Mayor
STEWART STANT
Director
MICHAEL M. MIYAMOTO
Deputy Director



MICHAEL P. RATTE
Solid Waste Division
ERIC NAKAGAWA, P.E.
Wastewater Reclamation Division

**COUNTY OF MAUI
DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT**
2050 MAIN STREET, SUITE 2B
WAILUKU, MAUI, HAWAII 96793

April 21, 2016

Mr. Sananda K. Baz
Budget Director, County of Maui
200 South High Street
Wailuku, Hawaii 96793

Honorable Alan M. Arakawa
Mayor, County of Maui
200 South High Street
Wailuku, Hawaii 96793

For Transmittal to:

Honorable Riki Hokama
Chair, Budget and Finance Committee
Maui County Council
200 South High Street
Wailuku, Hawaii 96793

Dear Chair Hokama:

SUBJECT: FISCAL YEAR ("FY") 2017 BUDGET (EM-7) (BF-1)

The County is in receipt of the above Budget and Finance (BF) Committee requested information dated April 15, 2016. Your questions and the corresponding answers are provided below by the Department of Environmental Management (DEM).

Provide a breakdown of the Countywide CIP proposed for FY 2017, including the following: a) project title; b) description; c) project cost; d) timeline; and e) factors that may impact the project.

1. CBS-1119 Countywide Environmental Protection Agency (EPA) Consent Decree Wastewater Reclamation Facility Renovation Projects, page 724 of the Program Budget.

No.	a) Project Name	b) Description	c) Project Cost	d) Timeline	e) Factors
1	WWRF Electrical System Upgrades	Design the replacement of major electrical equipment at the Lahaina and Kahului WWRFs.	\$300,000	Complete design by 5/2017 and bid out in 6/2017	Permitting process

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Alan Arakawa 4/21/16

No.	a) Project Name	b) Description	c) Project Cost	d) Timeline	e) Factors
2	Kihei WWRF Painting Project	Paint all buildings at the Kihei WWRF.	\$100,000	Complete by 1/2017	Contractor's schedule
3	Kahului WWRF Headworks and Chlorine Building Renovations	Design and Construct repairs to headworks and chlorine mixing room buildings	\$950,000	Complete design by 2/2017 and bid out in 3/2017	Permitting process and contractor's schedule
4	Kihei Pump Station Seven Revetment Study	Investigate possible solutions to maintain pump station integrity in the face of undermining erosion.	\$75,000	Complete study by 12/2016	None
5	Kahului WWRF Membrane Discs Installation	Replace aeration basin ceramic fine discs with membrane discs.	\$175,000	Complete by 1/2017	None

2. *CBS-1128 Countywide Wastewater System Modifications, page 726 of the Program Budget.*

- a) Project Title: County Wastewater System Modifications
- b) Description: Bid overruns, have become common in recent years due to the recent construction boom.
- c) Project Cost: \$1,000,000
- d) Timeline: Encumbered by 6/2017
- e) Factors: This may not be fully used if bids come within projected budget.

3. *CBS-1132 Countywide Environmental Protection Agency (EPA) Compliance Projects, page 727 of the Program Budget.*

- a) Project Title: EPA Compliance Projects
- b) Description: Underground sewerline replacement throughout the Wailuku/Kahului area that was identified through the CCTV project
- c) Project Cost: \$500,000
- d) Timeline: Completed by 12/2016
- e) Factors: Right-of-Entry Agreements into private property and permitting process.

4. *CBS-2732 Countywide Satellite Recycled Water Facilities, page 728 of the Program Budget.*

- a) Project Title: Countywide Satellite Recycled Water Facilities
- b) Description: Study that looks at the feasibility and possibility of constructing facilities near areas that can use recycled water throughout the County of Maui
- c) Project Cost: \$200,000
- d) Timeline: Completed by 12/2016
- e) Factors: None

5. *CBS-2734 Countywide WWRF Chlorination System Upgrade, page 738 of the Program Budget.*

- a) Project Title: Countywide WWRF Chlorination System Upgrade

- b) Description: Construct new chlorination systems at all wastewater treatment facilities due to chlorine gas being unavailable on Maui.
- c) Project Cost: \$2,000,000
- d) Timeline: Under design. Bid out in 12/2016
- e) Factors: Construction schedule

6. *CBS-3213 Countywide Permit Compliance Projects, page 730 of the Program Budget.*

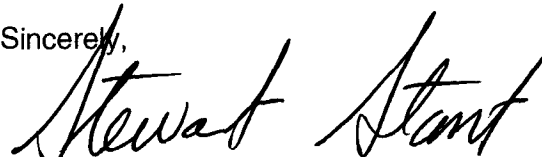
- a) Project Title: Countywide Permit Compliance Projects
- b) Description: Study to determine the cost and testing procedures required to comply with the new Federal and State permit requirements.
- c) Project Cost: \$150,000
- d) Timeline: Completed by 1/2017
- e) Factors: None

7. *CBS-2722 Countywide Landfill PV /Wind Turbine Lighting, page 722 of the Program Budget.*

- a) Project Title: PV/Wind Turbine Security Lighting
- b) Description: Design and install Solar/Wind Turbine operated lighting at Solid Waste Division Landfills in areas where no electric power is available for safe access and site security.
- c) Project Cost: \$250,000
- d) Timeline:

Q1&2 FY17:	Design and placement of equipment and permitting
Q3 FY17:	Procure equipment
Q4 FY17:	Receipt and install of equipment
Q1 FY18:	Complete installation at remaining outer landfills
Q2 FY18:	Project close-out
- e) Factors: Equipment Lead-time, Construction Contractor Workload, Weather, permitting approval

Sincerely,



STEWART STANT, Director
Department of Environmental Management

cc: Eric Nakagawa
Michael Ratte
James Peat