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

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COUNTY COUNCIL

April 9, 2019

Ms. Michele M. Yoshimura 
Budget Director, County of Maui
200 S. High Street
Wailuku, HI 96793

Honorable Michael P. Victorino
Mayor, County of Maui
200 S. High Street
Wailuku, HI 96793

For Transmittal to:

Honorable Keani Rawlins-Fernandez
Chair, Economic Development and Budget Committee
Maui County Council
200 S. High Street
Wailuku, HI 96793

Dear Chair Rawlins-Fernandez:

SUBJECT: FISCAL YEAR ("FY") 2020 BUDGET (EM-7) (EDB-1)

The County is in receipt of the above Economic Development and Budget (EDB) Committee requested information dated April 4, 2019. Your request and the corresponding answer is provided below by the Department of Environmental Management (DEM).

1. **An increase of \$50,000 in premium pay is being requested for the Wastewater Administrative Program for FY 2020 (Budget Details, page 5-10).**
 - a. **Explain the need for the increase. (MM)**

The number size, scope and complexity of CIP projects has been at a high level for the past few years and will continue into the future. This is requiring extra man-hours

APPROVED FOR TRANSMITTAL


Mayor 4/11/19
Date

in our design and construction section to complete, but not necessarily enough to warrant another position at this time.

Similarly, the number of reviews for the planning and permitting section is at an unprecedented level during this extended economic growth period and the section has expanded the scope of its reviews. The hours required is expected to continue until the MAPPS project is on line when a significant amount of paperwork, customer interaction and documentation is reduced through the expected efficiencies and automations being incorporated.

b. What efforts is your Department implementing to get premium pay under control? (MM)

We are fully cooperating with the MAPPS project in order to get the new permitting system up and running as we believe this will reduce much of the overtime now expended.

2. For the Wastewater Operations Program, over \$5.2 million is being requested for electricity for the Wailuku/Kahului, Lahaina, and Kihei Wastewater Treatment Plants alone (Budget Details, pages 5-34, 5-35, and 5-37, sub-object code 6132). What is the Department doing to implement alternative sources of energy to reduce dependence on electricity? (MM)

Treating wastewater to the high standards adopted by Maui County and distributing recycled water to customers is energy intensive by nature. The flow volumes experienced at our facilities (wastewater inflow and recycled water outflow) increase over the years and tend to diminish any energy reductions or efficiencies already adopted.

In order to keep energy cost lower, over the past few years photo voltaic panels were installed at the Kihei and Lahaina Wastewater Reclamation Facilities (WWRFs) and some small wind turbines are in place for lighting at the Kihei Facility as well. In addition, we continue to optimize the biological treatment process to reduce blower usage and equipment replacements are done with models having higher energy efficiency.

As we move forward we will continue to investigate/implement new treatment technologies that are more energy efficient and attempt to embrace cost effective alternative energy sources when they are feasible.

3. Relating to the Wastewater Operations Program (Budget Details, page 5-43, Index Code 919040B, Sub-Object Code 6132, Professional Services), \$200,000 is being requested for a Wastewater Study for Waikapu. Is this study for the benefit of the Waikapu Country Town project? If so, will the funds for this study be reimbursed to the County? Please explain. (MM)

No it is not for the benefit of Waikapu Country Town development as they have decided to build their own facility to meet their project timeline.

The project is to evaluate the possibility of a new satellite plant in the Waikapu region that could provide wastewater service for the Wai'ale project, Pūlehunui (DHHL AND DNLR), Waikapu Country Town (possibly), unsewered portions of Waikapu and redirect flows from some existing Wailuku area developments away from the Kahului WWRF. The County is taking the lead in investigating this opportunity in the initial stages and will require contributions from developers if it reaches the construction stages.

4. Relating to the Solid Waste Operations Program (Budget Details, pages 5-57 and 5-58), six equivalent personnel expansion positions are proposed for Sunday landfill operation. Two positions are for landfill operators, three for landfill attendants, and one for a laborer.

a. How many of the equivalent personnel will work on a given Sunday?

All six of these positions will work the Sunday shift. The landfill hours are 6:00am to 3:00pm but staff are scheduled from 5:00am to 5:30pm. All of the above expansion positions will be necessary in order to adequately staff the landfill, in compliance with safety and all other regulatory requirements for a seven day per week schedule.

NOTE: A forced change in the Central Maui Landfill employees work week would need to take place from four, 10 hour days to five, 8 hour days in order for the seven day schedule to yield the necessary manpower coverage per day. Landfill staff would lose a day off should this be enacted. This would represent a major change in the manpower schedule for all Central Maui Landfill and would require a Union Consultation.

b. Explain other responsibilities the positions will be assigned.

The expansion positions will be assigned responsibilities within their respective position descriptions. The Solid Waste Division will continue to utilize all staff as efficiently as possible. Additional responsibilities could include work that has historically been outsourced or that has had a lack of staff to address. Examples: Closed landfill inspection/maintenance, grounds maintenance, repair/maintenance of landfill roads and drainage structures, etc.

c. How will the positions help with efficiency for the operation of the landfill? (MM)

These added positions are needed to provide the one Sunday per month only and the opportunity to assign the additional work to staff as described in "b" above.

Note: The current FY 20 Mayor proposed budget is based on only one Sunday per month. In order for CML to be open 7 days per week, throughout the month, would

require additional staff and a much greater increase in operations (B) budget to allow for maintenance and repair to be accomplished at night, etc.

5. Relating to the Solid Waste Operations Program (Budget Details, page 5-75, Index Code 919521B, Sub-Object Code 6035, Miscellaneous Supplies), proposing a \$251,000 expansion request, there is no explanation for the increase. Please provide details for the expansion. (MM)

The expansion amount 3,000 carts requested will be for our new additional 3 automated routes.

Please refer to page 184, ENVIRONMENTAL MANAGEMENT, Solid Waste Operations Program, Expansion Budget Request from FY 2019 Adopted Budget, Explanation of Budget Changes, Operations, Materials and Supplies, 919521B-6035 Miscellaneous Supplies”, for the following explanation: “. . . 3,00 (should read 3,000) for new expansion carts for the 3 expansion refuse collection automated routes. We apologize for the typo.

6. Relating to CBS-1183 and 1184, Kuau Nos. 3 and 4 Force Main Replacements (Program Budget, pages 681 through 684):

a. Identify when these projects will commence and how long the projects will take to complete.

It is anticipated that construction will probably commence sometime in the second or third quarter of FY2020. Each will take approximately three months to complete.

b. What will be done to minimize traffic disruption?

The Kuau No.4 force main was rerouted during the design phase to be completely off of the highway so traffic disruption will not an issue. The Kuau No.3 force main is located near the shoulder of the roadway so traffic control will be required. If absolutely necessary, actual hours could be limited to miss peak drive times.

c. Can these projects be completed at night, without disruption to the residents? (MM)

Working at night typically results in the area being in construction for a longer duration, will require a nighttime noise variance as complaints from nearby residents will occur and ultimately construction costs would be about 50% higher.

7. Please detail the total annual cost and cost per day to operate the landfill on Sundays, broken down by Sub-Object. Have the appropriate unions been notified of this change in the work week? (YLS)

The Mayor submitted FY 20 budget has an increase of \$596,789 for the expansion of services at Central Maui Landfill beginning in January 2020 for the 6 months in FY 2020.

DETAILED SUNDAY INCREASES

INDEX CODE	SUB OBJECT	DESCRIPTION	COST
919509 A	5501	Regular Pay	\$241,002
919509 A	5215	Premium Pay	\$30,000
919500 A	multiple	Fringe and Overhead Est.	\$187,668
919509 B	6022	Gas/Diesel	\$6,549
919509 B	6034	Medical & Safety supplies	\$18,000
919509 B	6057	Tires & Tubes	\$963
919509 B	6059	Traffic Signs	\$1,000
919509 B	6138	R&M Services/Contracts	\$9,379
919509 B	6139	Repair and Maintenance other	\$5,968
919509 B	6275	Landfill Cover Costs	\$84,868
GO BOND		GO Bond - Dozer Debt Service	\$11,392
TOTAL FOR 6 MONTHS (6 SUNDAYS) IN FY 2020			\$596,789
TOTAL INCREASE IN COST PER SUNDAY (6 SUNDAYS), IN FY 2020			\$99,465
TOTAL ANNUAL FOR FY 2021 AND BEYOND			\$869,798
TOTAL INCREASE IN COST PER SUNDAY, (12 SUNDAYS IN FY 2021) MOVING FORWARD			\$72,483

Note:

Current average Saturday customer count for trash drop off is: 635

It is assumed that opening on one Sunday per month will not appreciably increase the total customer count - about half will come on Saturday and half on that Sunday for the same total of 635. (The same tons of trash per resident is assumed come to the landfill regardless of number of days landfill is open). Accordingly, the total revenue collected has not been increased in the proposed budget.

In addition, EKO would cost \$2,600-\$3,000 per month to open the landfill every Sunday or \$600-\$800 per month for one Sunday a month.

Have the appropriate Unions been notified of this change in the work week? (YLS)

The Administration has had preliminary discussions with the affected Unions regarding adding the Sunday shift, however a formal Union consultation has not occurred. This typically would be scheduled after the final budget approval of any impactful changes to union members such as this. (i.e. after July 1st, 2019). The addition of the one Sunday

shift, would constitute a significant change to all UPW staff at the landfill migrating from a four day (10 hr. shift) week to a five day (8hr) work week.

8. Please explain the \$627,217 increase in Special Revenue Funds (Program Budget, pages 188 and 189) under the Environmental Protection and Sustainability Program and describe the Program's plans for the funds in FY 2020. (YLS)

\$4,942,252 is the total revenue collected and managed by the Solid Waste Division and provided to EP&S. The \$627,217 represents revenue amount due back to SWD for this management and services provided to EP&S including revenue collection, invoicing, statement production, money collection, debt service, cashiering, landfill attendants, monitoring recycling bins at CML and Hana and managing Olowalu Transfer station. Also included is reimbursement for landfilling services provided to EP&S for their recycling and landfill diversion contract landfill waiver allowances. These charges were implemented when the EP&S Fund was established last year, effectively separating EP&S from the Solid Waste Fund; so, payment for these services now must be appropriated as inter-divisional charges in FY2020.

9. Please provide a breakdown of the deposits to the Environmental Protection and Sustainability Fund, pursuant to Section 3.55.040, Maui County Code. (SS)

"Maui County Code 3.55.040 - Deposits to the fund."

"There shall be deposited into the environmental protection and sustainability fund:

1. *Monies transferred from the Wastewater Reclamation Division of the Department of Environmental Management related to the processing, handling, or disposal of sewage sludge."*

Year to Date through March \$1,887,962

2. *"Any fees or portions thereof as set forth in the annual budget ordinance."*

Revenue is collected by the Solid Waste Division and transferred to the EP&S Fund at month end and includes the \$10 recycling fee and base fee for commodities for greenwaste, fats, oil, grease and biosolids.

Year to Date through February \$1,496,981

3. *"Supplemental transfers as set forth in the annual budget ordinance."*

This includes General Fund subsidy

Year to Date through February \$2,624,921

4. *"Disposal of vehicles fees as set forth in the annual budget."*

Includes a \$25 vehicles registration fee for Abandoned Vehicle Program funding.

Year to Date through March \$2,660,475

Total deposits to EP&S Fund, for FY 2019 per above schedule: **\$8,670,339**

"(Ord. No. 4850 , § 3, 2018; Ord. No. 4820 § 2, 2018)"

10. The Anaergia contract for landfill operations services has been renewed repeatedly. Contracting out these services was supposed to reduce costs, so why is there a proposed appropriation for County employees to staff the planned Sunday Landfill operations, instead of having Anaergia provide these services? (KK)

The Anaergia contract, in essence, is a waste diversion services contract similar to the existing contract with EKO, which receives and processes greenwaste, Fats/Oils/Grease ("FOG"), and sewage sludge. When the Anaergia project becomes operational, it is anticipated to divert a broader category of waste materials from the landfill. In the future, this may result in reorganizing how County assets and labor are allocated at the landfill.

The current budget request is in response to community desire for expanded landfill services on Sunday, which requires the expenditure of additional County funds and labor.

Thank you for the opportunity to provide you with information on this matter. Should you have any questions or concerns, please feel free to transmit them to the Department of Environmental Management via transmittal through the Office of the Mayor.

Sincerely,



ERIC A. NAKAGAWA, Acting Director
Department of Environmental Management