

**DIRECTOR’S QUARTERLY INFORMATIONAL REPORT  
TO THE ENVIRONMENTAL MANAGEMENT COMMISSION**

**April 25, 2023  
Agenda item VII**

**1. LEGISLATIVE UPDATE**

1. County Council (Since last report posted on 1/11/23)

| ITEM                   | DESCRIPTION  | CURRENT STATUS   |
|------------------------|--|--|
| <i>Completed items</i> |  |  |
| Res. 35-23             | Authorizes payment of funds for a multi-year lease of one sewer cleaning truck   | 1/25: Approved by Council  |
| Res. 44-23             | Authorizes agreement with DOH to receive \$49,600 in federally derived funds to complete a Wastewater Service Area Expansion Feasibility Study                   | 2/7: Positive recommendation<br>FC 2/22: Approved by Council                       |
| Res. 47-23             | Authorizes lease agreement for a multi-year lease of six semi-tractors for SWD   | 2/7: Positive recommendation<br>FC<br>2/22: Approved by Council                    |
| Res. 48-23             | Authorizes agreement for a multi-year lease of four walking floor trailers for SWD   | 2/7: Positive recommendation<br>FC<br>2/22: Approved by Council                    |
| Res. 49-23             | Authorizes lease agreement for a multi-year lease of four compacting refuse trailers for SWD   | 2/7: Positive recommendation<br>FC<br>2/22: Approved by Council                    |
| Bill 20                | Amends Operating Budget to receive \$49,600 in federally derived funds to complete a Wastewater Service Area Expansion Feasibility Study                         | 2/7: Positive recommendation<br>FC<br>2/22, 3/8: Approved by Council<br>Ord. 23-30 |
| Bill 21                | Authorizes issuance of G.O. bonds: \$100 million for Hilo WWTP and other facilities; \$2 million for sewer pipe replacement on Kilauea and Keawe Streets in Hilo | 2/7: Positive recommendation<br>FC<br>2/22, 3/8: Approved by Council<br>Ord. 23-31 |
| Comm. 94               | Presents the findings of the Cesspool Conversion Working Group   | 2/21: Presented to CRCOC   |
| Comm. 117              | Nominates Laura Acasio, Council District 2, to EMC for a term ending 12/31/25  | 3/7: Pos. recommendation<br>GOEAC<br>3/22: Confirmed                               |
| Res. 73-23             | Reaffirms COH’s commitment to divert waste sustainably   | 3/8: Approved by Council   |
| Res. 75-23             | Agreement with State DHS for Low-Income Home Water Assistance Program  | 3/21: Positive recommendation<br>FC  |

|                     |   |  |
|---------------------|---|--|
|                     |   | 4/5: Approved by Council   |
| <i>Active items</i> |   |  |
| Bill 34             | Amends Ord. No. 22-125, separates Hilo WWTP project into two phases   | 3/21: Positive rec. FC<br>4/5, 4/19: Approved by Council               |
| Bill 35             | Amends Op. Budget, appropriates \$22,709 to Beverage Container Deposit Program Acct   | 3/21: Positive rec. FC<br>4/5, 4/19: Approved by Council               |
| Bill 30 & 31        | Operating and Capital budgets for FY 23-24  | 4/13: Presentation to FC   |
| Res. 119-23         | Authorizes agreement for a multi-year lease of a Super Duty 4x4 truck with utility cabinets, including auto crane, for SWD to perform repair/maint on heavy equipment | 4/18: Positive recommendation FC                                       |
| Res. 120-23         | Authorizes agreement for a multi-year lease of a Super Duty 4x4 truck with utility cabinets, including auto crane, for WWD to perform repair/maint on pumps and WWTPs | 4/18: Positive recommendation FC                                       |
| <i>Future items</i> |   |  |
| Comm. 259           | Nominates Dot Norris, Council District 8, to EMC for a term ending 12/31/27   | 5/2: GOEAC   |
| Bill __             | Revisions to Chapter 21, Sewer Code   | Under development in Wastewater Division prior to submittal to Council |

2. Legislature

The 2023 regular session of the Legislature is winding down and will adjourn *sine die* on May 4. The following bills remain active as of April 19 and are facing conference committee hearings to reconcile differences between the House and Senate versions, followed by a final vote of approval in each legislative chamber, and then transmittal to the Governor:

| <b>Bill No.</b>    | <b>Current description</b>   |
|--------------------|--|
| HB 192<br>HD2 SD1  | Prohibits the sale of certain fluorescent lamps as a new manufactured product, with certain exemptions. Effective 7/1/2050. (SD1)  |
| SB 504<br>SD1 HD3  | Prohibits the manufacture, sale, offer for sale, distribution for sale, and distribution for use of any food packaging, food service ware, cosmetic, or personal care product that contains intentionally added perfluoroalkyl and polyfluoroalkyl substances, with certain exceptions. Effective 6/30/3000. (HD3) |
| HB 1396<br>HD2 SD2 | Part I: Establishes and appropriates funds for a county cesspool pilot program in the Department of Health to work with each county to identify a priority area to   |

|               |  |
|---------------|--|
|               | <p>expand the county sewage system or other centralized treatment system to connect individual properties in the priority area and reduce or eliminate cesspools in the identified area.</p> <p>Part II: Creates a cesspool conversion section in the Department of Health to facilitate the conversion of cesspools within the State. Establishes and appropriates funds for positions.</p> <p>Part III: Requires the Department of Health to retain qualified consultants to identify necessary public outreach and education resources and tools, and develop a comprehensive public outreach strategy and educate homeowners regarding the State's cesspool upgrade, conversion, and connection requirements and deadlines.</p> <p>Part IV: Establishes, for all taxable years after December 31, 2023, an income tax credit for the cost of upgrading or converting a qualified cesspool to a Director of Health-approved wastewater system or connecting to a sewerage system. Requires that, effective 11/1/23, certain information regarding cesspools on real property be included in seller mandatory disclosures for real property transactions. Effective 6/30/3000. (SD2)</p> |
| SB 966<br>HD1 | Subjects to forfeiture any vehicle used in the commission of felony disposal of solid waste or petty misdemeanor disposal of solid waste. Effective 6/30/3000. (HD1)   |

The following concurrent resolutions remain active as of April 19:

|                |  |
|----------------|--|
| SCR 64<br>SD1  | REQUESTING THE DEPARTMENT OF HEALTH'S SOLID WASTE SECTION TO DEVELOP A PLAN OF INITIATIVES FOR IMPROVED WASTE DIVERSION BY WORKING WITH THE COUNTIES TO ADDRESS EACH COUNTY'S UNIQUE NEEDS ACCORDING TO ITS GEOGRAPHY, POPULATION, AND INDUSTRY MAKE-UP. |
| SCR 135        | REQUESTING THE LEGISLATURE TO CONVENE A WORKING GROUP WITH REPRESENTATION FROM ALL LEVELS OF GOVERNMENT TO DEVELOP A PROGRAM TO PHASE OUT THE USE OF PERFLUOROALKYL AND POLYFLUOROALKYL SUBSTANCES (PFAS) IN THE STATE.                                  |
| HCR 208<br>HD1 | REQUESTING EACH COUNTY TO DEVELOP A COMPREHENSIVE INTEGRATED WASTEWATER MANAGEMENT PLAN AND FINANCIAL STRATEGY TO UPGRADE, CONVERT, OR CONNECT CESSPOOLS LOCATED WITHIN ITS RESPECTIVE JURISDICTION BY 2050.   |
| HCR 102<br>HD1 | REQUESTING THE UNIVERSITY OF HAWAII WATER RESOURCES RESEARCH CENTER TO CONDUCT A FEASIBILITY STUDY ON NEW TECHNOLOGIES RELATED TO CESSPOOL WATER REMEDIATION, WHICH MAY INCLUDE ORGANIC BIODEGRADABLE WATER CLARIFIERS.                                  |

**2. BUDGET**

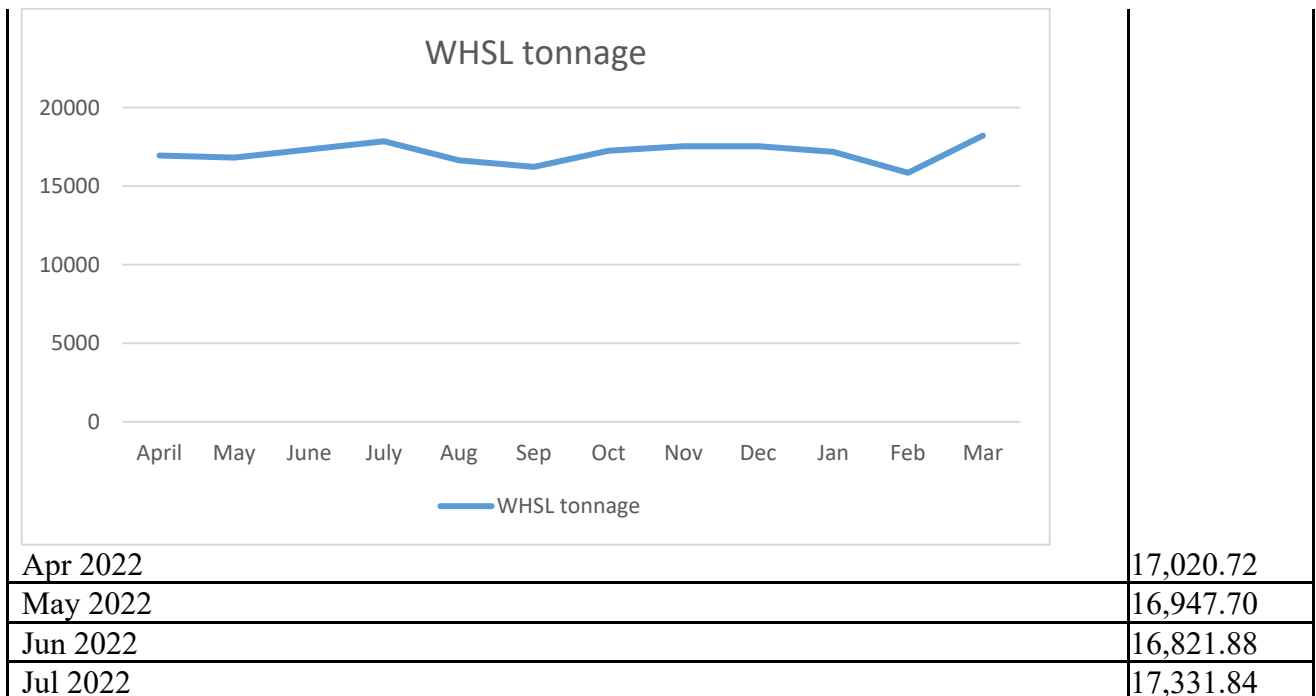
See appendix for presentation delivered to Special Meeting of the Finance Committee of the Hawaii County Council on April 13, 2023

**3. SOLID WASTE DIVISION PROJECTS AND UPDATES**

**RELOAD FACILITY UPDATE (new data shaded in gray)**

| Month/Year    | Total Tons Taken to Sort Station |
|---------------|----------------------------------|
| Apr 2022      | 4,066.66                         |
| May 2022      | 4,316.79                         |
| Jun 2022      | 4,141.05                         |
| Jul 2022      | 4,109.14                         |
| Aug 2022      | 4,041.56                         |
| Sep 2022      | 3,721.44                         |
| Oct 2022      | 4,091.66                         |
| Nov 2022      | 4,131.77                         |
| Dec 2022      | 4,362.12                         |
| Jan 2023      | 4,221.43                         |
| Feb 2023      | 3,827.83                         |
| Mar 2023      | 4,173.38                         |
| <b>Totals</b> | <b>49,204.83</b>                 |

**WHSL MONTHLY LANDFILL TONNAGES**



|               |                   |
|---------------|-------------------|
| Aug 2022      | 17,852.37         |
| Sep 2022      | 16,643.39         |
| Oct 2022      | 16,229.23         |
| Nov 2022      | 17,259.61         |
| Dec 2022      | 17,535.74         |
| Jan 2023      | 17,186.60         |
| Feb 2023      | 15,849.21         |
| Mar 2023      | 18,217.83         |
| <b>Totals</b> | <b>204,896.12</b> |

## MONTHLY TRANSFER STATION TONNAGES

| Month/Year    | EHRSS            | WHSL             |
|---------------|------------------|------------------|
| Apr 2022      | 3,158.53         | 8,183.80         |
| May 2022      | 3,382.30         | 8,416.06         |
| Jun 2022      | 3,232.58         | 7,559.68         |
| Jul 2022      | 3,170.79         | 8,631.04         |
| Aug 2022      | 3,072.41         | 8,320.43         |
| Sep 2022      | 2,837.48         | 7,769.79         |
| Oct 2022      | 3,183.58         | 3,481.96         |
| Nov 2022      | 3,184.00         | 3,619.62         |
| Dec 2022      | 3,451.66         | 3,775.82         |
| Jan 2023      | 3,345.50         | 3,840.45         |
| Feb 2023      | 2,975.84         | 3,350.62         |
| March 2023    | 3,239.10         | 3,939.63         |
| <b>Totals</b> | <b>38,233.77</b> | <b>70,888.90</b> |

The above table includes data on the waste disposed in the landfill (not the greenwaste or recycling data).

### 1. Recycling and Landfill Diversion updates

#### **Outreach and Education**

- “We Can Do It” outreach campaign; To educate about Reduce, Reuse and Recycling, emphasis placed on Reduce. How Reducing waste helps address climate change will encourage people to participate. Reinforce proper recycling procedures at Transfer Stations. Campaign started on Monday April 17, 2023; radio, tv, newspapers/ magazines, internet, banners for events.

#### **Household Hazardous Waste Collection Events**

- All completed and very successful. Now securing locations for the next round of HHW events starting in August.

#### **E-Waste Collection**

- State mandated manufacturer-sponsored program started in January 2023. Permanent Kona monthly collection site opened in March.

### **EPA, Solid Waste Infrastructure for Recycling Grant Program**

- **Award Date Announcement** – April or May 2023.
- **Total Grant Budget Requested:** \$1.5 million.
- **Purpose:** design and implementation of a city-scale reusable foodware system in Hilo. In such a system, restaurants are supplied with reusable foodware for a low per-use fee, comparable to what they currently pay for disposables. Customers receive food and drinks in reusables at no net cost to them, then they drop them in one of many conveniently located bins when they're done. Service providers collect, clean & inspect the items before restocking them.

2. East side landfill options being explored by EMC  
(To be discussed orally)

3. Life Cycle Analysis study  
The Life Cycle Analysis study has been completed and may be viewed at:

<https://records.hawaiicounty.gov/weblink/DocView.aspx?dbid=1&id=122724>

4. Trailer study  
The trailer study has been completed and may be viewed at:

<https://records.hawaiicounty.gov/weblink/DocView.aspx?dbid=1&id=122722>

Solid Waste Division is reviewing the recommended conditions that 1) No reversing of trailers, only parallel will be allowed; and 2) fulltime personnel for traffic control must be employed for trailers to be allowed at Glenwood, Hilo, Honoka'a, Kea'au, Kealakehe, Ocean View, Pāhoa, Volcano, Waimea, and eventually Wai'ōhinu.

5. Administrative rule proposal update  
The Director, having fully considered all public testimony, has approved the changes and the rules are being circulated for signatures.

Duly noticed hearings on proposed changes to the administrative rules of practice and procedure for DEM were held on April 10 in Hilo and April 11 in Kona. At the April 10 hearing, approximately 10 people attended in person and four on Zoom. At the April 11 hearing, one person who had previously appeared in person in Hilo attended by Zoom.

The amendments will take effect 10 days after a copy is filed with the Office of the County Clerk, projected in early May. However, the increased tipping fees will not take effect until July 1.

#### **4. WASTEWATER DIVISION PROJECTS AND UPDATES.**

##### 1. Pāhala and Nā'ālehu AOC

The Preliminary Engineering Report for Pāhala was submitted in a timely manner to the Environmental Protection Agency on April 19, 2023, and will be shared with the public upon approval by EPA. The PER for Nā'ālehu remains in development.

The next public meeting on the closure of the large capacity cesspools is tentatively scheduled for August 24 in Naalehu, although other public meetings may be called prior to this meeting.

DEM appreciates those who have attended previous meetings and encourages all residents who have received a letter regarding these regularly scheduled meetings to attend and to share information with their neighbors, family, and friends.

##### 2. West Hawai'i wastewater projects

(To be discussed orally)

##### 3. Hilo WWTP upgrades

(To be discussed orally)

##### 4. Wastewater plans

(The requested information is unavailable in written form by the deadline to publish this report)

#### **5. INFORMATION REQUESTS FROM COMMISSIONERS**

1. Further information on a countywide sewer district concept for managing public and private facilities. (Adams)

2. How are new rules and proposals communicated to potentially affected parties? (Adams)

# Department of Environmental Management FY 23-24 Budget and Programs

Presentation to the Special Finance Committee meeting  
of the Hawai'i County Council

April 13, 2023



## Our Mission

- To maintain a clean, healthy island environment
- And promote stewardship and sustainability
- By managing
  - Wastewater and solid waste services,
  - Waste reduction and resource recovery
- In a comprehensive, responsive, safe and efficient manner.

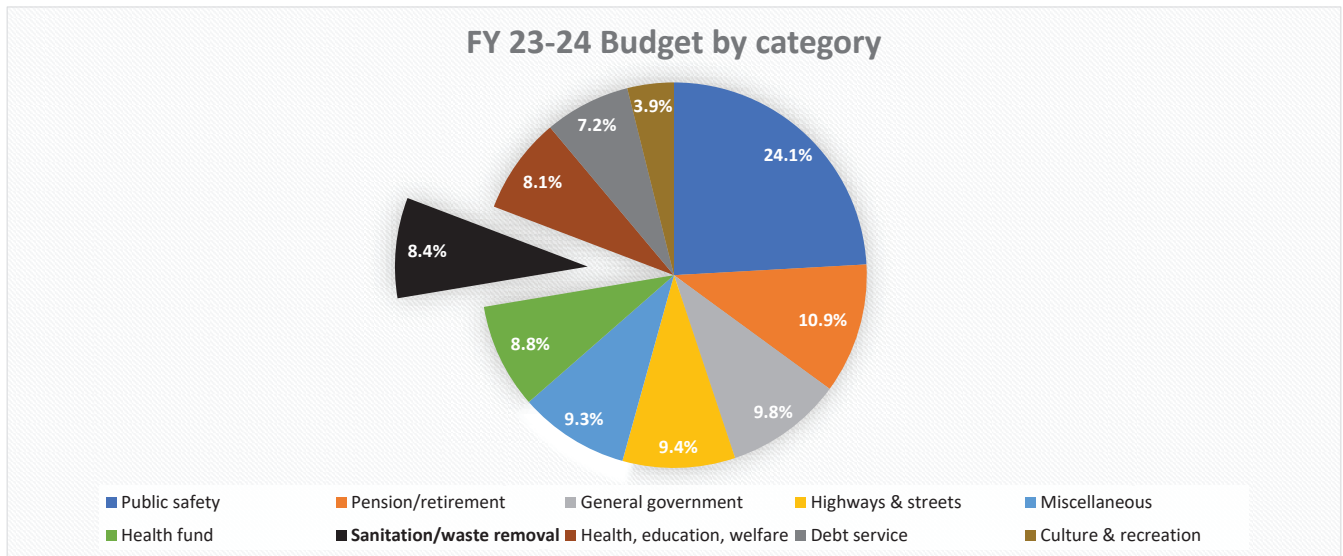
# DEM organizational structure

- Administration & Business Services (**General Fund and grant funding**)
  - Director, Deputy, Secretary, Planner, Safety Coordinator, PIO, Accounting, HR, Payroll
  - The administrative expenses are reflected in the General Fund but are funded by charges to the three special funds.
- Solid Waste Division (**Solid Waste Fund and Vehicle Disposal Fund**)
  - SWD administration, operations, compliance, design, construction, recycling and landfill diversion, Derelict and Abandoned Vehicle Program
  - Tipping fees and the general fund cover staff and operations of the Solid Waste Division, except DAV
  - Vehicle disposal fees, towing charges, storage fees, and auctions fund staff and expenses of the DAV program (does not rely on the General Fund)
- Wastewater Division (**Sewer Fund**)
  - WWD administration, engineering, compliance, construction, wastewater collection, wastewater treatment
  - Sewer fees and the general fund cover staff and operations of the Wastewater Division

# DEM functions

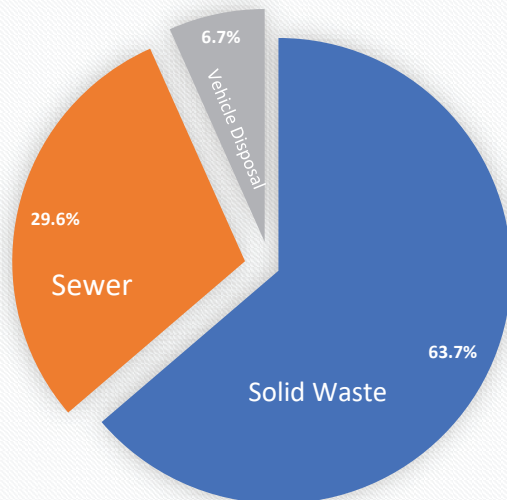
- Accept 200,000 tons per year of solid waste for disposal in the West Hawai'i Sanitary Landfill at one of 21 conveniently located SWD facilities
- Accept 5.3 million gallons of wastewater for treatment per day
- Clean 20 miles of sewer lines per year
- Video inspect 20 miles of sewer lines per year
- Remove 2,000-3,000 abandoned and derelict vehicles per year
- Accept 2,375 tons of cardboard for recycling per year
- Accept 1,280 tons of non HI-5 glass for recycling per year
- Accept 36,750 tons of greenwaste to convert into mulch per year
- Also: HI-5 redemption centers, Reuse Centers, appliance drop off sites, household hazardous waste collection events

8.4% of budget goes to sanitation and waste removal



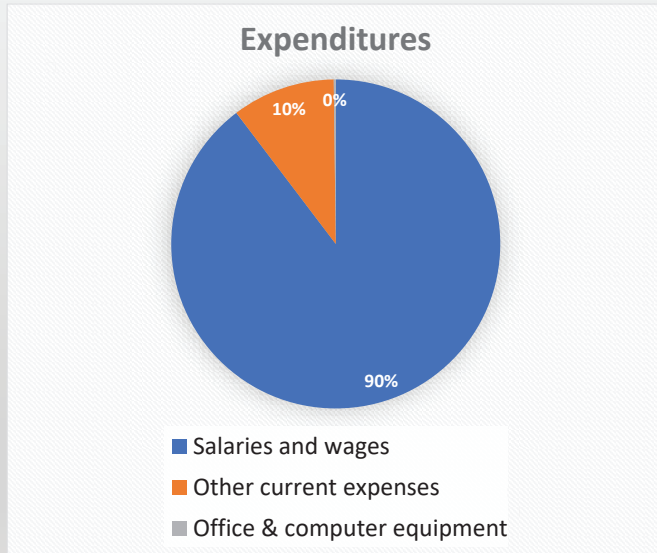
## Allocation of DEM's three special funds

FY 23-24 Environmental Management special funds

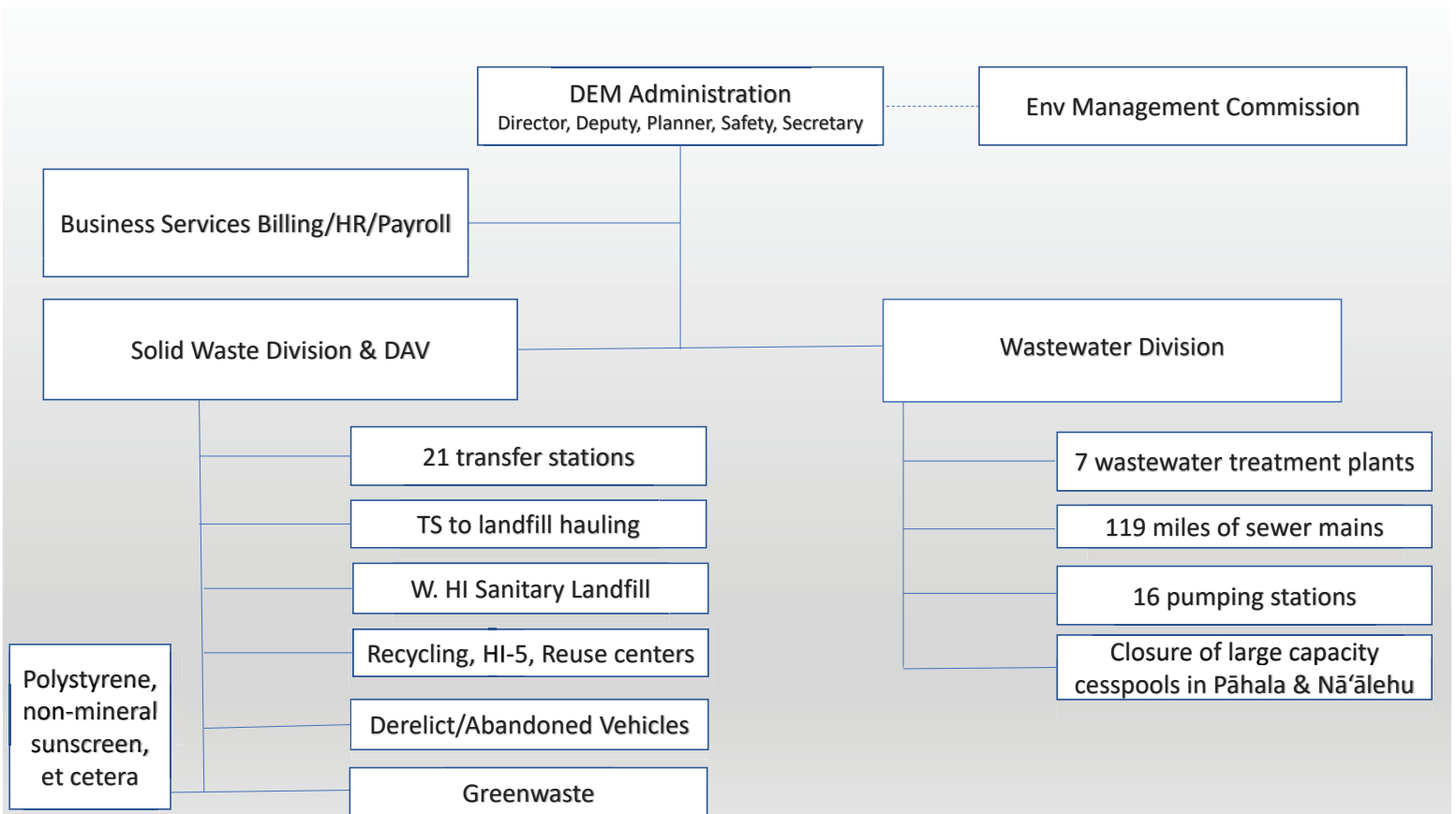


■ Solid Waste Fund \$47.5M ■ Sewer Fund \$22.1M ■ Vehicle Disposal Fund \$4.99M

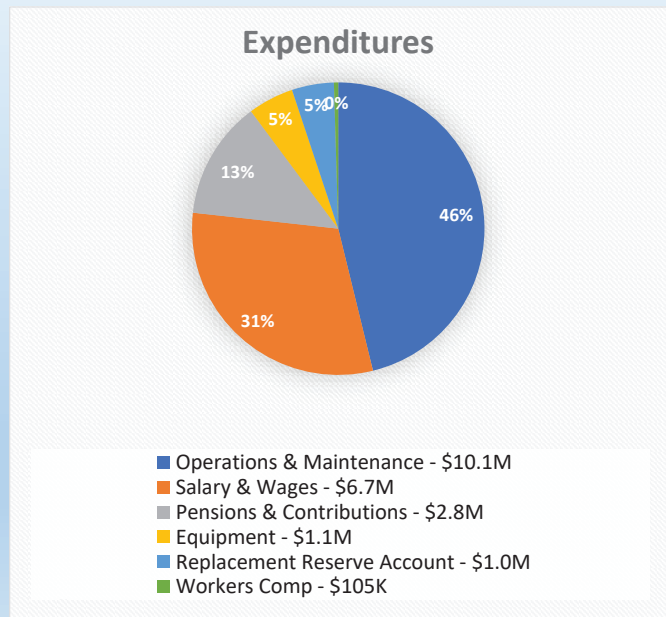
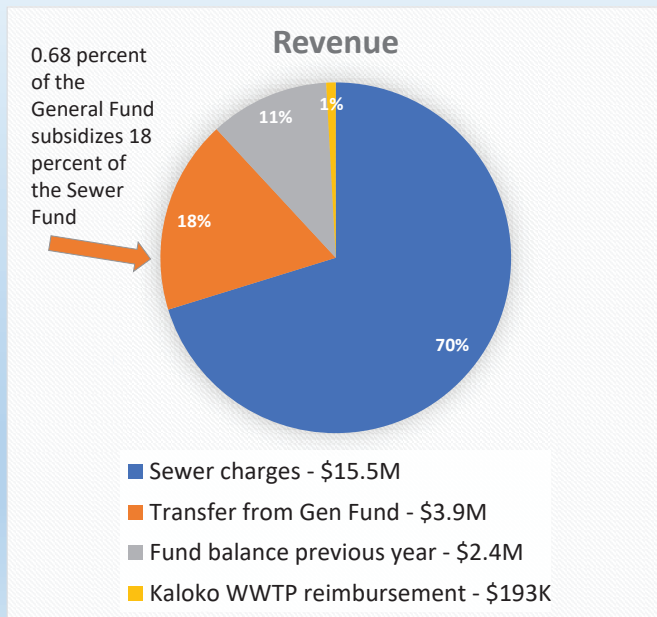
# DEM Admin budget: \$1,889,752



- Salaries and wages: \$1,694,567
- OCE: \$191,535
- Equipment: \$3,650
- Charged to the special funds



# Sewer Fund budget: \$22,068,179



## Wastewater Division – 6-month objectives

- Issue Notice to Proceed (NTP) for Hilo WWTP Rehabilitation - Phase I
- Complete Preliminary Engineering Report (PER) for Pua Sewage Pump Station (SPS)
- PER for Kealakehe WWTP headworks, odor control and R-1 recycled water sand filter
- Meet Administrative Order on Consent deadlines regarding closure of large capacity cesspools in Pāhala and Nā'ālehu
- Secure EDA grant for North Kona SPS via federal cross cutters submittal
- Procure consultant to develop Cesspool Conversion Master Plan
- Recruit adequate staffing to meet operational needs
- Work with academia to navigate creation of a wastewater master plan

## Wastewater Division – 12-month objectives

- Complete EA and design documents for Hilo WWTP Rehabilitation - Phase II
- Finalize Pua SPS design in collaboration with HDOT-Airports
- Complete bid document for Kealakehe WWTP headworks, odor control and R-1 recycled water sand filter
- Meet Administrative Order on Consent milestones regarding closure of large capacity cesspools in Pāhala and Nā'ālehu
- Procure consultant for design of North Kona SPS
- Cesspool Conversion Master Plan development and continue the public outreach

## Wastewater Division – Long-term objectives

- Complete Hilo WWTP Fac Plan and roadmap to sewer the Hilo community within the sewer service area
- Finalize Pua SPS Force Main bid document and issue NTP during Phase I of Hilo WWTP construction
- Issue NTP for Kealakehe WWTP Headworks, Odor Control, and R-1 Sand Filter Project to produce high-grade recycled water.
- Close large capacity cesspools in Pāhala and Nā'ālehu in full compliance with Administrative Order on Consent deadlines
- Complete construction of North Kona SPS
- Create an easily accessible online data portal for public viewing of cesspool conversion and sewer line connection requirements

# Wastewater Division positions and vacancies

| Total Funded Positions | Current Vacancies          |
|------------------------|----------------------------|
| 91                     | 17 + 12 pending allocation |

Draft 1 includes no new positions; however, there is a need for additional staff to meet the increase in services.

## One-time Contracts

- Wastewater Pretreatment: Consultant to help/advise on the development of the pretreatment program until the compliance sections are staffed with a manager.
- Integrated wastewater management plan

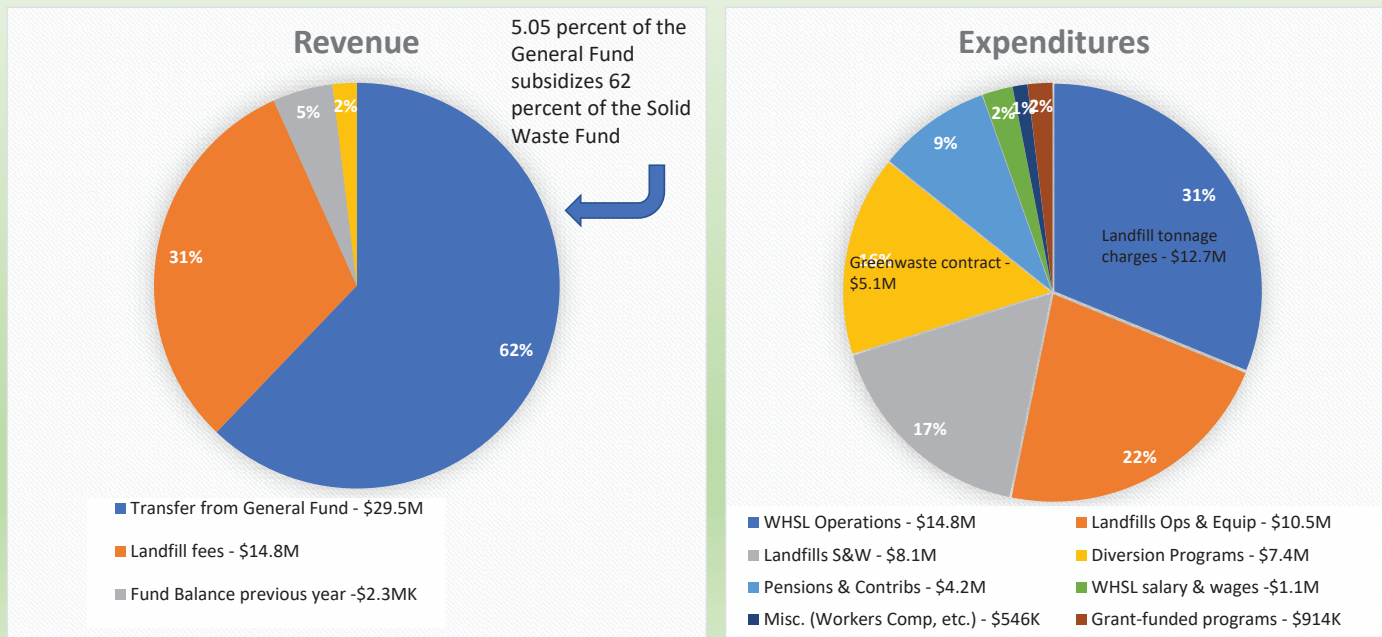
The following are new training contracts that are intended to teach staff safe, efficient, or consistent practices/use of universal language in their jobs.

- National Association of Sewer Service Companies - Pipeline Assessment Certification Program
- Safety Training
- Instrumentation & Control Training

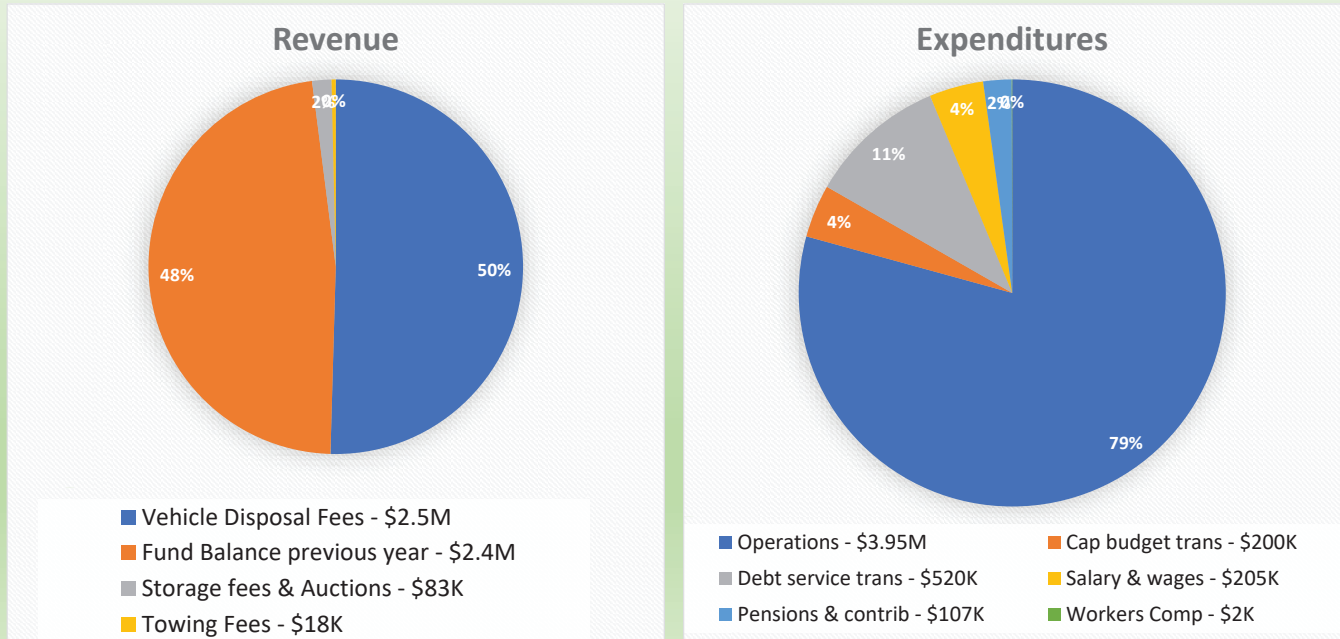
# Wastewater grants being pursued

- North Kona SPS - \$19M – U.S. EDA
- Puna wastewater - \$2.25M for Programmatic Environmental Impact Statement and Facility Plan
- Wailoa Sewer Pump Station - Pump flow matcher control system
  - \$2.5M - Congressionally Directed Spending (CDS) request - Replacement of pump flow matcher control system
- Onekahakaha Sewer Pump Station Rehab
  - \$7.8M - CDS request - Rehabilitation of dilapidated sewage pump station
- Kolea Sewer Pump Station
  - \$8.2M - CDS request - 50-year-old pump station needs to be replaced
- Hilo WWTP – Building Resilience in Communities grant program
  - Application in process

# Solid Waste Fund budget: \$47,545,541



# Vehicle Disposal Fund budget: \$4,985,003



## DAV objectives

- Seek an increase in registration fees from the current \$12 per year per vehicle - unchanged since 2003
  - Increase is needed to generate sufficient revenues to cover the projected increase in expenditures due to the expansion of the Vehicle Disposal Assistance Program and other cost increases.
- Implement VDAP to assist with private towing and disposal
- Fill vacancies within DAV program

# DAV positions and vacancies

| Total Funded Positions | Current Vacancies |
|------------------------|-------------------|
| 4                      | 2                 |

Draft 1 includes no new positions; however, there is a need for additional staff to meet the increase in services.

## Solid Waste Division – 6-month objectives

- Complete construction and announce the reopening of the newly constructed Wai'ōhinu Transfer Station
- Request resolution to authorize the purchase of budgeted equipment to replace equipment that has reached the end of its useful life
- Issue a Request for Information to explore the possibility of waste diversion and recycling options pursuant to Resolution No. 73-23
- Finalize site assessments that will allow trailers to return to certain transfer station sites.
  - Consultant's recommends traffic control personnel at each of the seven potential sites; further discussion is recommended.

## Solid Waste Division – 12-month objectives

- Solicit a consultant to assess current Solid Waste Division operational plans and recommendations
- Receive equipment ordered in FY 21-22 and assign to facilities
- Complete the bid document for the reload facility in Hilo
- Complete the design of the Laupāhoehoe TS retaining wall
- Put out for bid the Derelict/Abandoned Vehicle (DAV) building in Hilo
- Begin acquisition process for the Waiea TS
- Create a long-term operational maintenance and monitoring plan for closed municipal solid waste landfills.

## Solid Waste Division – Beyond 12 months

- Explore a reorganization of Recycling Section to emphasize maximizing waste diversion and recycling
- Implement findings of operational study
- Introduce policies to divert construction/demolition material from the landfill

# Solid Waste Division positions and vacancies

| Total Funded Positions | Current Vacancies         |
|------------------------|---------------------------|
| 126                    | 11 + 7 pending allocation |

Draft 1 includes no new positions; however, there is a need for additional staff to meet the increase in services.

## Solid Waste grants being pursued

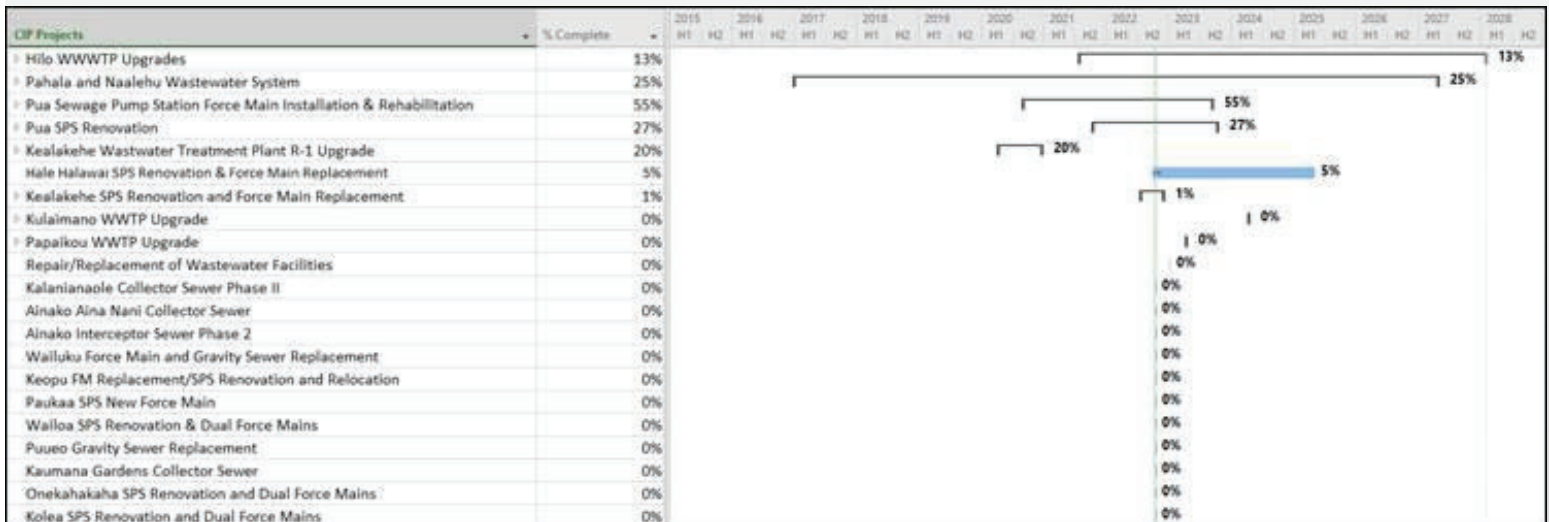
- **\$3.7 million – Congressionally Directed Spending** - Rehabilitation of East Hawaii Reload and Sort Station – Submitted to Sens. Schatz and Hirono
- **\$74,000 - Solid Waste Management Grant (SWMG) Program – USDA Rural Development** - Provide home composting units to communities located in rural areas where no green waste, mulch or composting services are provided and would have to drive to get to those services. Three applications submitted
- **\$1.5 million - Solid Waste Infrastructure for Recycling program** – EPA – Design and implementation of a city-scale reusable foodware system in Hilo. In such a system, restaurants are supplied with reusable foodware for a low per-use fee, comparable to what they currently pay for disposables. Customers receive food and drinks in reusables at no net cost to them, then they drop them in one of many conveniently located bins when they're done. Service providers collect, clean & inspect the items before restocking them.

(DEM is also in contract review with a selected grant writer to assist with acquiring grants funds that are designed to implement the County of Hawai'i's 2019 Integrated Solid Waste Management Plan of upgrading and creating programs and infrastructure with climate change in mind)

# CIP priority projects 2023-2024

- Hilo WWTP upgrades
- Pāhala/Nā’ālehu Wastewater System
- Kealakehe Wastewater Treatment Plant R-1 Upgrade
- Pua SPS Renovation
- Hale Hālāwai SPS Renovation & Force Main Replacement
- Repair/Replacement of Wastewater Facilities
- Kalaniana’ole Collector Sewer Phase II
- ‘Āinakō ‘Āina Nani Collector Sewer
- ‘Āinakō Interceptor Sewer Phase 2
- Rural Transfer Station Repairs and Enhancements

# CIP priority projects – Status



# Critical pathways to address for success

- General obligation bonds
- State Revolving Funds
- Staffing shortage and reorganization
- Equipment shortage and replacement
- Strategies on how to fund studies versus actual construction projects.
- 10-year forecast
- Finalize Master Schedule
- Identify and track capital improvement projects
- Preventative maintenance

## DEM Accomplishments FY 22-23: Info Tech

### Microsoft Project

- **Project Planning** - Define the scope of the project, identify key milestones, and estimate the duration and costs of each task. Create a project schedule, allocate resources, and establish dependencies between tasks.
- **Resource Management** - Manage and track the availability of resources, such as people, equipment, and materials. Ensure that you have the necessary resources to complete each task on time and within budget.
- **Risk Management** - Identify and assess project risks and develop contingency plans to mitigate them. Track risks over time to ensure that they are being properly managed.
- **Collaboration** - Collaborate in real-time, share project data, and communicate project status. Ensure everyone is working toward the same goals and can help identify issues and risks early on.
- **Reporting** - Monitor project progress, identify issues, and communicate project status to stakeholders. Generate reports on project timelines, resource usage, task completion, and budget status.

### Website Upgrade to an Independent Subsite

- **AOC Compliance** – The EPA requires DEM to make project information publicly available on its website, and to update it monthly. The independent subsite allows DEM to have a project section, where all project information will be maintained.
- **Improved brand identity** - Establish a unique brand identity, to help the department better communicate its goals, mission, and accomplishments.
- **Greater control** - More control over the design, content, and functionality of the website. Tailor online presence to the specific needs and preferences of the audience.
- **Enhanced functionality** - Specialized functionality tailored to the needs of the department.
- **Increased engagement** - Optimized for user engagement, making it easier for visitors to find relevant information, connect with the department, and engage with its content.
- **Improved analytics**: More granular analytics and tracking of user behavior, to help the department better understand its audience and optimize its online presence for maximum impact.

# DEM Accomplishments FY 22-23: Projects

- Hilo Wastewater Treatment Plant Rehabilitation Phase 1 - construction document completed and bid process started
- Negotiated revised agreement to closure of large capacity cesspools in Pāhala and Nāālehu
- Negotiated agreement to establish a pretreatment program
- Complete construction of the reload scale facilities
- Household hazardous waste and electronic waste collection events
- Solid waste administrative rules amendments – under review
- Studies completed for Life Cycle Analysis and trailer maneuvering at transfer stations
- Condition assessment completed for Kea‘au Reuse Center
- Puna, Pāhoa, and Puakō/South Kohala wastewater treatment feasibility study contracts executed
- Contract executed for Kealakehe WWTP R-1 Sand Filter and site upgrades
- Improved sewer main along Ali‘i Drive to prevent infiltration
- Completed GIS mapping of county-wide sewer collection system and cesspools.



Mahalo

[Hawaiiwastewaste.org](http://Hawaiiwastewaste.org)

