

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

**January 17, 2023
Agenda item VII**

1. LEGISLATIVE UPDATE

1. County Council (Since last report posted on 10/20/22)

ITEM	DESCRIPTION	CURRENT STATUS
<i>Completed items</i>		
Comm. 1034 (20-22 term)	Nominates Dell Otsuka of District 3 to the EMC	10/19: Pos. rec. RAWEEEMC 11/02: Approved by Council
Bill 223 (20-22 term)	Amends Capital Budget to add \$17 million appropriation to capital budget for "Hilo WWTP Upgrades – SRF"	10/18 – Positive recommendation from FC. 11/02 11/16: Approved by Council. Ord. 22-123
Bill 225 (20-22 term)	Authorizes agreement for State Water Pollution Control Revolving Fund Loan of \$17 million and authorizing issuance of G.O. bonds for Hilo WWTP Upgrades.	10/18 – Positive recommendation from FC. 11/02 11/16: Approved by Council. Ord. 22-125
Bill 245 (20-22 term)	Initiates Charter Amendment relating to the qualifications of the DEM Director	11/15: Postponed to 1/04 1/04: Postponed to call of PCCCRA Chair
<i>Active items</i>		
Res. 35-23	Authorizes payment of funds for a multi-year lease of one sewer cleaning truck	1/04: Positive recommendation from FC.

2. Legislature

The 2023 regular session of the Legislature will convene on January 18, 2023. DEM will closely track bills that are introduced and will submit testimony as hearings are scheduled. Priorities will include but are not limited to: Legislation relating to the recommendations of the Cesspool Conversion Working Group; Extended Producer Responsibility; waste reduction; and public-private partnerships.

2. SOLID WASTE DIVISION

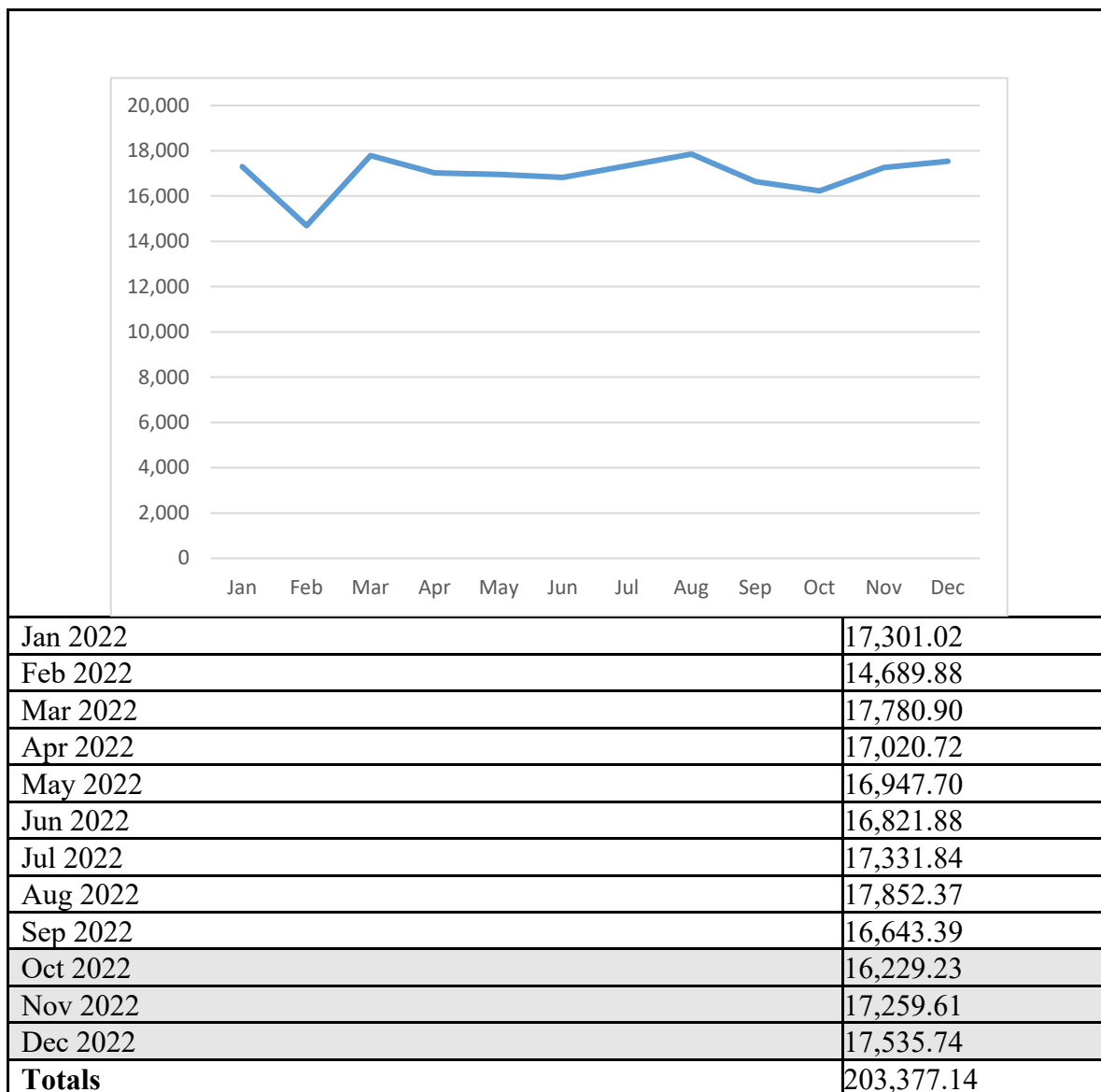
RELOAD FACILITY UPDATE (new data shaded in gray)

Month/Year	Total Tons Taken to Sort Station
Jan 2022	4,119.67
Feb 2022	3,910.66
Mar 2022	4,312.99
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
Totals	49,325.51

When time permits, SWD staff removes the corrugated cardboard from the trash and places it in a roll-off for recycling.

WHSL MONTHLY LANDFILL TONNAGES



MONTHLY TRANSFER STATION TONNAGES

Month/Year	EHRSS	WHSL
Jan 2021	3,276.92	9,312.59
Feb 2021	3,086.50	7,125.42
Mar 2021	3,376.69	8,878.20
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
Totals	38,413.44	71,515.01

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

1. Wai‘ōhinu Recycling and Transfer Station updates – January 2023

- Concrete has been poured on the sides of the pad. The middle portion is to be poured when the chute is installed. This will minimize damage to the new concrete pad when installing the chute.
- Asphalt is to be ready to be installed in mid-January on the roadway, etc.
- Railings on the west side to be installed and recycling bins can be moved to the new station.
- Tanks are installed, roadway is graded and ready for asphalt; slopes are shaped
- Still waiting for trailers

2. Life Cycle Analysis status

The LCA is in the final draft stage. Comments were submitted after an initial review with a report due soon.

3. Recycling and Landfill Diversion updates

E-Waste Program – The Solid Waste Division has been holding special electronics recycling collection events at Mr. K’s Recycle & Redemption on December 10 and January 14 (815 Kino‘ole Street, Hilo), and at the Kona Crossroads Shopping Center parking lot on December 17 and January 21.

All events are from 8:30 a.m. to 4:30 p.m. These free events are open to households, businesses, government agencies and non-profits.

The Solid Waste Division's contractor is collecting computers (desktops, tablets and laptops), printers/fax machines, computer peripherals (keyboards and mice), TVs and monitors (CRT, plasma, LCD & LED), uninterruptible power supply systems (UPS), mobile and landline phones, digital cameras, VCRs/DVD players and stereo components (no speakers). No other types of electronics will be accepted.

Businesses, nonprofit organizations and agencies must make a scheduled appointment and detail the electronic devices they want to recycle at the event. There is a strict limit of one pallet load per business, nonprofit or agency customer. Businesses, nonprofits or agencies without a scheduled appointment, or with electronics quantities that exceed the limit will be disallowed. To schedule an appointment please call Mr. K's Recycle & Redemption at 808-969-1222.

4. SWD Accomplishments 2020-2022

- 196,631 tons at West Hawai'i Sanitary Landfill in FY 2021
- 203,872 tons received in FY 2022 (3.6% increase YOY)
- Closed Miloli'i Transfer Station in accordance with state law
- Opened Ocean View Transfer Station
- South Hilo Sanitary Landfill completed first year of Post Closure
- Second Expansion of the GCCS system was completed at WHSL
- Opened Second Scale at West Hawai'i Sanitary Landfill
- Scrap Metal Yard in Kona is near completion
- Design for remediation of Scrap Metal Yard in Hilo was initiated
- Completed lower entry into Hilo TS chute area
- Secured owner's signature on the DOH permit for Waiea Transfer Station to enable continued operations; Survey and appraisal moving forward to pursue purchase
- Kea'au structure study was completed
- E-waste collection revamped and new locations.
- Working with the other counties to press Legislature to improve state Extended Producer Responsibility law for electronics. Starting January 2023 manufacturer-funded electronics collections much more convenient for island residents and removed from County management. New Kona business, agency & non-profit collections to start in January 2023.
- Food Waste Reduction education.
- Coordination with BSH for compactor removal at Hawi TS and contaminated soil clean up
- Hilo Reuse Parking Restriping
- UMO collection sites remained open during covid / updated UMO informational handouts.
- Non-mineral sunscreen ordinance; Admin Rules, Warning Letter and Inspection Form waiting to go into the amendment process for the entire departmental rules.
- Ensured the timely removal of derelict/abandoned vehicles from public property and private ungated roadways open to the public.
 - o *FY 20-21 Reports Received: 2,827 Total Towed: 1,713*
 - o *FY 21-22 Reports Received: 4,026 Total Towed: 2,573*
- Worked with Hawai'i County Police Department (HPD) Community Police Officers to conduct derelict/abandoned vehicle community cleanup projects.

- Assisted HPD with towing and notification to owners for vehicles towed from accidents and Aliyah's Law.
- Worked with the Department of Hawaiian Homelands to remove derelict /abandoned vehicles from Hawaiian Homes property.
- Offered year-round vehicle disposal assistance programs to the public.
 - o *FY 20-21 Total Disposed: 270*
 - o *FY 21-22 Total Disposed: 357*
- Coordinated a rural area junk vehicle collection event that assisted Ocean View residents with the disposal of unwanted vehicles.
- Provided vehicles for the Hawaii County Fire Department to conduct vehicle extrication trainings for new recruits and refreshers for current firefighters.
- Conducted multiple auctions for the sale of abandoned vehicles that have met State mandated holding and notification periods.
- Worked on a bill to allow free towing and disposal of up to two (2) unwanted vehicles per calendar year. **Start date pending until staffing and contract needs are met.*
- Attended meetings within the community to educate the public on derelict/abandoned vehicles.

3. WASTEWATER DIVISION

1. Pāhala and Nā'ālehu AOC

The cesspool closures remain on track and in compliance with deadlines. Four options have been found to be legally and financially feasible: 1) Package plants and new collection systems; 2) package plants connected to the existing collection systems; a maintenance contract model individual wastewater system program; and 4) an operating permit model individual wastewater system program for both communities.

The County has contracted an engineering firm to study each of the four options and provide preliminary engineering reports, which will be due for Pāhala on May 6, 2023, and for Nā'ālehu on September 3, 2023. **The next public informational meeting is tentatively scheduled for February 23, 2023, at the Pāhala Community Center, beginning at 6 p.m.**

See Appendix

- 2. West Hawai'i wastewater projects - (To be delivered orally)
- 3. Hilo WWTP upgrades

The engineering contractor has conducted a two-day design workshop in Hilo on January 11 and 12. Phase 1 of the project remains on track for bids to be advertised in February 2023, with bid opening anticipated in April 2023. The Phase 1 construction contract is anticipated to be awarded in June 2023. Design of Phase 2 has begun. See also Appendix.

- 4. Puna wastewater projects - See Appendix
- 5. South Kohala wastewater projects – See Appendix

6. WWD Accomplishments 2020-2022

- Finalizing Hilo WWTP design plans for phase I and initiated Phase II design
- Completed Kapu'e Stream Bridge sewer pipe replacement
- Completed the Hilo WWTP bio-tower arm and feed pump replacement
- Installation of two new pumps at Pua SPS
- Completed installation of two new pumps at Kealakehe SPS
- Completed Kealakehe R-1 USBR Feasibility Study
- Completed Lono Kona Sewer ID Project
- Completed Lanihau SPS Force Main Project
- Kapehu WWTP Perimeter Security Fence - Design, Bid, and currently Under construction
- Ulu Wini WWTP (Kaloko) – Secured HUD CDBE Grant, Completed Design-Build Package, and pending award
- Secured FEMA (HIEMA) Grant for WWTP/SPS Emergency Generators
- Secured HUD CDBG Grant for Ulu Wini WWTP Pumper Truck
- Kealakehe SPS Roof Replacement – Completed In-house Design, Bid, and currently under construction
- Completed Kapehu WWTP Manhole cover replacement
- Design of the Pua Force main Installation and Rehabilitation and Hale Hālāwai Force Main replacement projects were initiated and currently at 30% conceptual design phase.
- Utilizing the corrective action Work Orders from the Asset Management System that has been in operation for less than two years, the maintenance branch with help from the operations branch has completed 1,064 work orders.
- More than 80 percent of the completed work orders were performed by the east side working crew. The west side has only one mechanic and no electricians so they have been relying on the east side for help.
- Created and filled the Sewer Maintenance Supervisor II position providing focus for the sewer collection team.
- Implementation of the Asset Management System for maintenance and warehouse modules
- Employees obtained NASSCO certification for collection system condition assessments
- Division wide CCTV video access to streamline decision making for maintenance
- Continue to work with private investors/developer to inspect the newly installed sewer systems and provide documentation to accept subdivision and private development.
- Lanlhau Properties; East and West DHHL; plumbers; "A" license contractor
- Started a comprehensive maintenance program of cleaning, CCTV, and manhole inspections in all applicable districts.
- Procured piping and parts in preparation for emergencies to ensure continued operation, repair and maintenance of the islandwide sewer collections system during emergencies.
- Increased the line crew staff to accomplish more cleaning and CCTV maintenance can be done on the collection system.
- Raised manholes on Kino'ole Street fronting Central Fire Station to make traveling more comfortable for motorists.
- Successfully worked through the challenges of cleaning the 60-year-old Kapu'e Stream Bridge gravity line replacement.

- Investigated exposed pipes in our collection system and documented condition as part of the Division’s asset management program.
- Completed video of exterior and interior of 60-year-old gravity line on the Wailuku Bridge (aka “Singing Bridge”) in East Hawaii to better assess next steps for repair.
- Pretreatment Program Development and AOC compliance
- Naalehu and Pahala AOC compliance

4. **INFORMATION REQUESTS FROM COMMISSIONERS**

1. (Adams) Capacity of the West Hawai’i Sanitary Landfill

1. Current estimates of the remaining capacity and options to extend the lifetime in the short term and the long term¹

As of January 4, 2023, the landfill is nearing capacity in Cell 13 with 10 Cells remaining. The Cells are reaching capacity with materials every 2.31 years. At the current rate of operation (and no changes) and fill sequencing, the landfill will reach full capacity in approximately 23.1 years. The downturn in recycling markets, COVID pandemic and consumer bulk purchasing have had significant impacts on recent landfill consumption of airspace. Approximately, 40% of the materials received at WHSL can be diverted. With legislation, mandates and ordinances removing most of the 40% from landfilling can add about 10 years to the capacity/life of WHSL. Operational Efficiencies, Education and outreach throughout the Island can further help increase diversion from the 60% of trash presently being disposed daily, again increasing life expectancy at WHSL. The importance of source reductions, community outreach on reducing packaging, reuse will have significant impacts on increasing capacity and airspace at WHSL.

2. Feasibility of establishing a Construction & Demolition landfill

The WHSL accepts about 65 tons per day of C&D for disposal. Justification for a landfill for C&D would be challenging to justify for the Island. Legislation/Ordinance to ban C&D from landfilling with mandates for recycling of construction and demolition would be more beneficial and cost effective.

3. Current status and contracts for county recycling

RFP4024 – Drop Off Recycling (Collect, Haul & Process) at 19 recycling & transfer stations

- **Contractor:** Business Services Hawai’i
- **Purpose:** diverts cardboard & non-HI5 glass recyclables from the landfills.
- **Contract Status -**
 - Year 1, July 1, 2021 thru June 30, 2022
 - Option Yr, July 1, 2022 thru June 30, 2023, with 3 remaining options years.
- **Plan –**
 - Continue operations
 - Outreach & Education to prevent contamination

RFP4068 – Operate Reuse Centers at 7 County Transfer Stations

¹ VII.2.1.1: Landfill options (Adams): <https://records.hawaiicounty.gov/weblink/DocView.aspx?dbid=1&id=119838>

- **Contractor:** Transfer Station Thrift Store, LLC
- **Purpose:** diverts reusable items from the landfill.
- **Contract Status -**
 - Year 1, May 1, 2021 thru April 30, 2022
 - Option Yr 1, May 1, 2022 thru April 30, 2023, with 3 remaining options years.
 - **Plan –**
 - Continue operations
 - Kea’au Reuse; replace tent structures or cover and 3 year plan.
 - Hilo Reuse; raise the area that’s ponding and move water away from site.
 - Pāhoa Reuse; base coarse or wood pallet chips to fill low lying area, trim the palms and replace the bamboo fence.
 - Kealakehe Reuse; possibly relocate HI5 tent next to reuse tent.

IFB4346 – Provide and Operate Electronic Recycling Collection Events

- **Contractor:** Mr. K’s Recycle and Redemption Center, Inc.
- **Purpose:** Collect, Transport and Recycle Electronics via Certified Electronics End Destination Recyclers
- **Contract Status -**
 - Year 1, December 7, 2022 thru November 30, 2023
 - **Plan –**
 - Collection Events (4)
 - December 10, 2022; Hilo Event
 - 200 – 250 customers
 - Approx. 33,000 lbs. collected.
 - December 17, 2022; Kona Event
 - 300+
 - Approx. 42,000 lbs. collected.
 - January 14, 2022; Hilo Event
 - January 21, 2022; Kona Event
 - Transition to Manufacturer-Funded ([Act 151](#)), electronics recycling collections in January/February 2023. Managed through DOH and they are responsible for compliance with the state law.

- **County of Hawai’i Manufacturer-Funded free drop off locations:**

- **Mr. K’s Recycle & Redemption Center Inc.**
815 Kino’ole Street, Hilo 96720
Hours: Daily 10:00 am – 3:00 pm
 - Kona location & hours of operation To Be Determined
 - Collection [pick-up] service cost: \$1.65/pound *\$200 minimum charge (call (808) 969-1222 to schedule a pick-up)

IFB3847 – Collect Residential HHW at 6 Collection Events Annually

- **Contractor:** EnviroServices & Training Center, LLC
- **Purpose:** diverts household hazardous materials from the landfills, prevents unsafe disposal at Transfer Stations.
- **Contract Status -**
 - Year 1, August 1, 2019 thru July 31, 2020
 - Option Yr 3 currently, one option year remaining,
 - **Plan –**
 - Continue operations
 - Additional Outreach & Education to promote events and encourage safe disposal of HHW.
 - Remaining Collection Events
 - February 4, 2023, Saturday; West Hawai'i Civic Center 7:30a to 2:30p
 - February 11, 2023, Saturday; Waiākea High School parking lot B 7:30a to 2:30p
 - March 4, 2023, Saturday; Waimea District Park 8:30a to 3:30p
 - March 5, 2023, Sunday; Pahoa Recycling & Transfer Station 8:30a to 3:30p

IFB4328 - Collection/ Transportation and Disposal Of Used Motor Oil For Various Locations And Volunteer Sites

Contractor: Unitek Solvent Services

- **Purpose:** divert Hazardous Materials from the landfill and bring public awareness
- **Contract Status:** November 25, 2022, thru December 31, 2023
- **Plan –**
 - Continue services

IFB4233 – Provide Certified Redemption Center Services at Hāwī, Honoka`a and Puakō Recycling & Transfer Stations

Contractor: HMP, Business Services Hawai'i

- **Purpose:** divert HI5 bi-metal, glass, plastic 1 & 2 and aluminum from the landfill.
- **Contract Status:**
 - Year 1, July 1, 2021, thru June 30, 2022
 - Option Yr 1, June 1, 2022, thru July 1, 2023, with 3 Option Yrs
- **Plan –**
 - Continue services

IFB4233 – Provide Certified Redemption Center Services at Kea'au, Keauhou, Wai'ōhinu Recycling & Transfer Stations

Contractor: Atlas Recycling

- **Purpose:** divert HI5 bi-metal, glass, plastic 1 & 2 and aluminum from the landfill.
- **Contract Status:**
 - Year 1, July 1, 2021 thru June 30, 2022
 - Option Yr 1, June 1, 2022 thru July 1, 2023, with 3 Option Yrs
- **Plan –**
 - Continue services

IFB4233 – Provide Certified Redemption Center Services at Ocean View Recycling & Transfer Stations

Contractor: Atlas Recycling

- **Purpose:** divert HI5 bi-metal, glass, plastic 1 & 2 and aluminum from the landfill.
- **Contract Status:**
 - Year 1, July 1, 2021 thru June 30, 2022
 - Option Yr 1, June 1, 2022 thru July 1, 2023, with 3 Option Yrs
- **Plan –**
 - Continue services

IFB4331, Provide Certified Redemption Center Services at Volcano Recycling & Transfer Stations

- No bid received; 3rd time Volcano has gone back out to Bid. Problem for no bid is due to staffing shortage/ finding dependable staff and the theft/ break in problems occurring their again.
- **Plan –**
 - Will send back out to Bid.

IFB4245 – Provide Mixed Metal and White Goods/Appliance Recycling Services

Contractor: Big Island Scrap Metal

- **Purpose:** divert mix metals and white goods/appliances from the landfill.
- **Contract Status:**
 - Year 1, June 23, 2022 thru June 22, 2023
 - 2 Option Yrs
- **Plan –**
 - Continue services

IFB4369 – Provide Recycling of Used Propane Tanks

Contractor: Big Island Scrap Metal

- **Purpose:** properly recycle propane tanks illegally dumped at Solid Waste Facilities
- **Contract Status:**
 - Bid closed January 5, 2023
- **Plan –**
 - Continue services

RFP 3298 - Organics Diversion Program in East Hawai`i and West Hawai`i

- **Contractor:** Hawaiian Earth Products
- **Purpose:** Diverts green waste from the landfill by processing green waste into mulch.
- **Contract Status;** ends 12/31/2036
- **Plan –**
 - Continue operations.

IFB3958 – Provide Recycling of Used Tires

Contractor: Big Island Scrap Metal

- **Purpose:** properly recycle vehicle tires illegally dumped at Solid Waste Facilities
- **Contract Status:**
 - Year 1, April 12, 2020 thru April 11, 2021
 - Option Yr 2 currently, April 12, 2022 thru April 11, 2023, no options remaining
- **Plan –**
 - Continue services
 - Signs currently posted at all Recycling & Transfer Stations advising customers to properly dispose of used tires.

Hawaiizerowaste.org

- **Professional Services:** Kilauea WebWorks
- **Purpose:** provide web hosting and maintenance for Hawaiizerowaste.org
- **Contract Status:** annual contract ends 12/31/2023
- **Plan –**
 - Continue services

Recycling Outreach and Education

- **Professional Services:** Out of the Sea Media Arts, Inc.
- **Purpose:** Recycling Education Program Development
- **Contract Status:** Contract extended to June 7, 2023.
- **Plan –**
 - Continue services

NON-MINERAL SUN SCREEN ORDINANCE

- Draft of Admin Rules, Warning Letter and Inspection Form at Corp Counsel and awaiting to be added to the SWD Admin Rules.

EPA Solid Waste Infrastructure for Recycling Grant Program

- **REUSABLE FOODWARE PROJECT, currently in progress.**
 - **Partners:** DEM is working with Zero Waste Hawaii Island and Perpetual Reusable Foodware Project. Perpetual is a non-profit that is providing free consulting to four US cities, including Hilo.
 - **Grant Writer:** Perpetual will be writing the grant and DEM will be submitting it.
 - **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.
 - The Solid Waste Infrastructure for Recycling Program provides grants to implement the National Recycling Strategy to improve post-consumer materials

management and infrastructure; support improvements to local post-consumer materials management and recycling programs; and assist local waste management authorities in making improvements to local waste management systems.

- Zero Waste Hawaii Island recently received funding from the EPA to do a project in Hilo for reusable cutlery and survey businesses about reusable container program.

- **RESOURCE RECOVERY PARK, not in progress due to reasons underlined below.**

- **Partners:** DEM working with Recycle Hawai'i.
- **Grant Writer:** grant writer selected.
- **Purpose:** Expand the capabilities of four existing solid waste and recycling facilities (Hilo, Kealakehe, Waimea and Kea'au) to create Resource Recovery Parks (RRPs), that are geographically distributed for ease of access by communities around Hawai'i Island including those in rural areas and population centers. Such parks would provide a one-stop place for individuals and businesses to drop off materials for reuse or recycling and divert these materials from landfilling. Through the development of these parks, entrepreneurs and existing small-business owners provide the means by which current but limited end-markets are more fully utilized and new ones created.

- Hilo Recycling & Transfer Station; currently does not have the room for this project.
- Kea'au Recycling & Transfer Station; does not have the acreage.
- Kealakehe Recycling & Transfer Station; does not have the acreage.
- Waimea Recycling & Transfer Station; does not have the acreage.
 - ❖ 3-4 acres of land needed for each Resource Recovery Park facility.
 - ❖ Ideally could be sited on county transfer station land, many benefits including DOH permitting
- Covered warehouse space/large facility that can be built out later into resource recovery park –
 - ❖ Space could possibly be leased to ecopreneurs or contractors to deal with specific waste types.
 - ❖ Cost per site; \$12 million for the built-out Resource Recovery Park with equipment. That does not include land or rent.
 - ✓ \$4 million available through EPA Solid Waste Infrastructure for Recycling Grant.
 - ✓ \$8 million will/could be through private investors and Closed Loop Partner's loan/fund.
 - ❖ EPA will most likely not fund due to \$8 million is not guaranteed to complete the project.
- Processing equipment for glass, containerized composting machines for organics (including paper and cardboard), as well as improving collection bins for clean stream marketable recyclable plastics (#1 and #2) and other materials at smaller transfer stations, and improved signage.

- ❖ Resources targeted but all need to be CLEAN (i.e., no tape or adhesives, no labels, residues or caps)
 - ✓ Corrugated Cardboard and Newsprint (no glossy inserts)--will be sorted into two categories:
 - 1) Mobile composter for farmers, backyard farmers;
 - 2) Large pieces to be perforated for weed mat for farmers, backyard farmers, landscapers.
 - ✓ There may be legal issues for corrugated cardboard due to current contract.
- ❖ Office Paper (no “windowed” envelopes or glossy paper), boxboard (cereal boxes, toilet paper rolls, etc.)--to be added to mobile composter for farmers, backyard farmers.
- ❖ PET (#1) plastics (non-HI5) – organization or company would like to have the plastics.
- ❖ Glass Bottles and Jars only (no window glass, dishes, plate glass, porcelain, etc.). If glass is clean, can be used for landscaping, glass mulch, sand; or for artists, gardeners.
 - ✓ There may be legal issues for non-HI5 glass due to current contract.
- ❖ Green Waste (as is currently collected; no painted pallets, no Christmas trees with flocking, etc.) can be added to in-vessel composters for farmers, landscapers, backyard farmers.
 - ✓ There may be legal issues due to current contract.
- ❖ Who will be cleaning the recyclables?
- ❖ Number of County employees needed to increase staffing at Resource Recovery Parks with objective of opening more hours to increase access, etc.

U.S. Department of Agriculture - Rural Development

• HOME COMPOSTING UNITS TO COMMUNITIES LOCATED IN RURAL AREAS

- **Partners:** DEM Recycling and possibly others TBA.
- **Grant Writer:** Craig Kawaguchi
- **Purpose:** to provide home composting units to communities located in rural areas, where no green waste, mulch or composting services are provided or would have to drive to get to those services. The County of Hawai`i, Recycling Section will be providing training to residents on home composting, food scraps and yard trimmings generated at home can be turned into a healthy soil amendment and diverted from the on landfill on Hawai`i Island.
 - Solid Waste Management Grant (SWMG) program is designed to assist communities through technical assistance and training provided by grant recipients to qualified organizations. SWMG program funds can be used to help reduce or eliminate pollution of water resources in rural areas and improve planning and management of solid waste sites in rural areas
- The communities that the County will be applying the grant for home composters are:
 - Wai`ōhinu, Hawai`i County, HI

- Nā'ālehu, Hawai'i County, HI
- Pāhala, Hawaii County, HI
- Services will be provided at workshops or community events and outreach & education for the community. County staff, Volunteers or a non-profit group will provide the Technical Assistance or Training.

2. Update on report and final recommendations of the Cesspool Conversion Working Group
(https://health.hawaii.gov/wastewater/files/2022/11/ccwg_final_report.pdf)

A. Recommendations for Cesspool Conversion Prioritization and Timeline

The working group recommends, based on greater understanding of impacts cesspools have on nearshore water quality and human health, that the deadline by which cesspools in the State must be converted should be adjusted to a staggered timeline that would accelerate the mandatory conversion date for cesspools that pose the highest risk of harming human or environmental health, as determined by the Hawai'i Cesspool Prioritization Tool and supporting water quality data. The working group further recommends the adoption of policies and mechanisms that will facilitate this acceleration and the need for an iterative process as new findings are established.

A1. Replace the 2050 deadline, from Act 125 Session Laws of Hawaii (SLH) 2017, for cesspool conversion as follows:

- Priority 1 zones (13,821 cesspools) converted by 2030
- Priority 2 zones (12,367 cesspools) converted by 2035
- Priority 3 zones (55,237 cesspools) converted by 2050

Approximately 35%, 7%, 21%, and 37% of cesspools in the Priority Level 1 group are located on O'ahu, Maui, Kaua'i, and Hawai'i Island, respectively. Refer to Section 2.3 of the report for priority zone definitions.

A2. Adopt and implement policies and mechanisms to accelerate cesspool conversions statewide, prioritizing the highest risk areas. Recommendations include:

- Point-of-sale conversion requirements
- Require a seller's disclosure form for any property sold that has a cesspool
- Financial incentives including grants, tax credits, and loans to offset the cost of conversion

A3. Priority areas and/or timelines of cesspool conversion should be updated/evaluated when significant information, policy, and/or data changes arise. For example, use a higher resolution map (census blocks or block-groups, rather than larger census tracts) to better assist managers in identifying urgent problem areas.

B. Recommendations for Cesspool Conversion Financing

The high upfront costs associated with onsite wastewater system replacement are not affordable for many Hawaii residents and are the biggest obstacle to cesspool conversion among all income levels. The working group recommends developing robust funding and financing options to assist low- and moderate-income homeowners to finance conversions, as well as incentives for cesspool conversion for all homeowners. The working group further recommends maximizing the use of available federal funding, which has been a missed opportunity in the past. There will be a need for a corresponding increase in capacity at both the state and county levels to effectively access and spend more federal dollars. Additionally, both the state and counties will need to consider options for either reallocating resources or generating new revenue to supplement other financing programs and homeowners' dollars.

B1. Maximize use of available Federal funds such as the Infrastructure Investment and Jobs Act funds, Inflation Reduction Act and American Rescue Plan Act for State and Counties to implement cesspool conversion. Conversion solutions may include, but are not limited to, options for onsite replacement, connections to sewers, and local cluster wastewater treatment systems. Where appropriate, State, County and local governments should pursue congressionally designated spending requests for cesspool conversions.

B2. The State and Counties should develop a long-term, low-interest loan program for low and moderate-income homeowners.

B3. Partner with private lending institutions to integrate financing for cesspool conversions into private lending applications. Explore the feasibility of financing cesspool conversions within existing loan programs such as the Department of Veterans Affairs, the US Department of Housing and Urban Development, and Fannie Mae.

B4. Maximize use of all available federal, State and local funding, including grant, rebate, and revolving loan programs. Analyze existing models set up by places like Suffolk County, New York. Even with federal funding, it is likely that local financing will still be needed to achieve cesspool conversions by 2050. Another option is to consider fees for homeowners with cesspools to generate funds to finance or fund cesspool conversions. Special Assessment Districts (Chapter 12) or Improvement Districts (Chapter 32) could allocate property tax to finance improvements.

B5. Provide tax credits and rebates for upgrades or connection costs and allow these incentives to be claimed by a third party on behalf of the homeowner.

B6. Increase personnel capacity at the State and County level to apply for and manage Federal loans, grants, and other financial assistance programs.

B7. Enact policies to enable nonprofits and community development financial institutions to help cesspool owners access available funding through the Clean Water State Revolving Funds.

B8. Create an entity within the State to help administer and provide federal funding to

Counties, nonprofits, and community development financial institutions for cesspool conversions.

C. Recommendations for Public Outreach for Cesspool Conversions

Public outreach and education are essential components of a cesspool conversion program. Wastewater upgrade programs in other jurisdictions found that robust public outreach was necessary for the success of their efforts.

C1. Establish paid public outreach personnel for cesspool conversion at State and/or County levels and work with non-profits to educate homeowners about why cesspools need to be converted, what the due dates are, options and resources available to help with conversions, and other relevant information.

C2. Fund the development of a comprehensive outreach strategy for cesspool conversions that educates homeowners on conversion options and resources. Work with existing nonprofits and institutions that support conversions.

C3. Support the development of a web page to serve as an informational clearinghouse with resources needed for homeowners and wastewater industry professionals. Include information about priority zones, cesspool impacts, links to priority zone web maps, and other relevant information.

D. Recommendations for Cesspool Conversion Technology Considerations

Supporting access to certified technology that addresses nutrient pollution reduction and public health protection is essential for Hawai'i's unique geology, climate, and land use practices. The working group seeks to promote the certification and adoption of novel wastewater treatment and disposal technologies and policies to allow tailored solution.

D1. The Hawaii Department of Health should develop and maintain an online comprehensive resource of approved technology options, including advantages and disadvantages of approved technology options for given locations and site conditions (including onsite systems, sewerage systems, and cluster systems).

D2. Collaborate with national onsite wastewater testing centers (like Stony Brook University Center for Clean Water Technology and Massachusetts Alternative Septic System Test Center) for onsite wastewater testing, training, and education to test and approve new alternative wastewater treatment solutions.

D3. The Hawaii Department of Health should update minimum treatment standards (i.e., reduction of nutrients) for onsite wastewater technology for ecologically sensitive areas (high water table, proximity to ocean/streams, prone to sea level rise).

D4. Establish a pilot program to provide matching funding for trialing wastewater technologies in coordination with the Department of Health.

D5. The Hawaii Department of Health should develop an online map and database inventory of all onsite wastewater treatment systems within the state for management and maintenance tracking.

E. Recommendations for Cesspool Conversion Planning/Program Administration

Undertaking a massive infrastructure project such as converting 80,000 or more cesspools requires proper planning and administration across stakeholders and governmental institutions. The working group seeks to set up the State and Counties for successful implementation of its conversion plan through the following recommendations.

E1. Require each County to develop a comprehensive integrated wastewater management plan to include where connections to centralized (public and private) treatment systems are planned, where individual treatment systems will continue to be needed, and where smaller scale “cluster” treatment systems might be utilized. Include financial strategies.

E2. Establish a cesspool section within the Hawaii Department of Health’s Wastewater Branch to include at least three to four staff to work on cesspool conversions planning, implementation, permitting, and regulatory framework.

E3. Increase administrative capacity as needed for cesspool conversion on State lands. Include Department of Hawaiian Home Lands, Department of Land and Natural Resources, Department of Agriculture, Hawaii Community Development Authority, and Hawaii House Finance and Development Corporation.

E4. Prioritize environmental justice principles for disadvantaged community needs (i.e. Department of Hawaiian Homelands), including identifying funding and position(s) to promote equitable outcomes related to the entire cesspool conversion process.

F. Recommendations for Cesspool Conversion Workforce Development

Converting 80,000+ cesspools will require many professionals in the wastewater field. By investing in education and workforce development targeted at residents of Hawai’i, it may enable the State’s economy to grow by offering well-paying jobs while meeting its environmental goals.

F1. Assess and identify the workforce needs for upgrading all cesspools, including but not limited to State and County workers, contractors, engineering, permitting and public engagement. Include research and work already in progress with the community colleges.

F2. Re-evaluate current public sector salaries and whether they are sufficient to attract the needed workforce. Streamline the hiring process to facilitate filling needed positions.

F3. Allocate funding to support existing (i.e. the Workforce-4-Water program) and/or the creation of new workforce training program(s) such as education, certification, on the job training, partnerships with other agencies, the University of Hawaii system, labor unions, non-profits, or other entities as appropriate.

Wai'ōhinu Transfer Station Construction



Naalehu and Pahala Large Capacity Cesspool AOC

PROJECT OVERVIEW

SAT 7/1/17 -- WED 10/20/27

% COMPLETE

21%

AOC DEADLINES

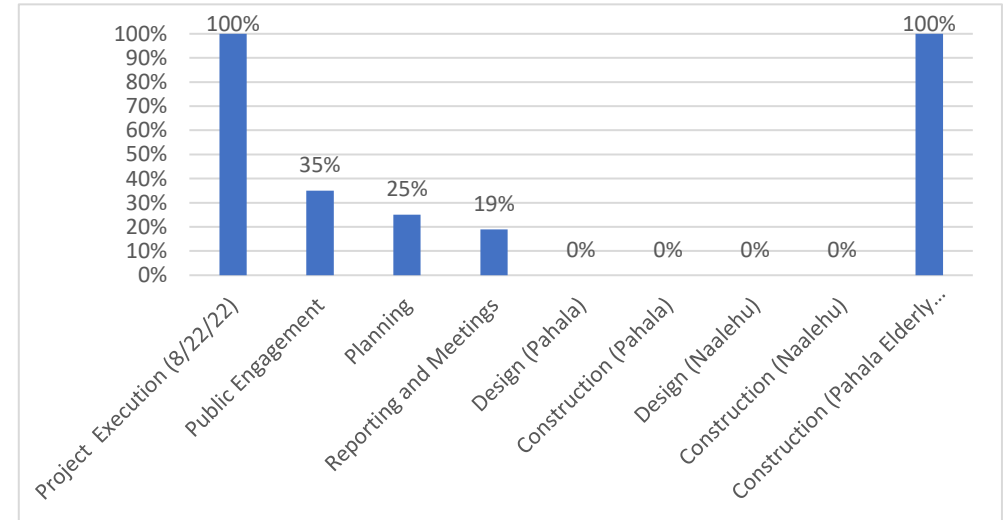
3 Month Outlook for AOC Deadlines

Name	Deadline	Deadline Details	% Complete
Submit PER for Pahala	Sat 5/6/23	Within 180 days of EPA's Approval of the Feasibility Report	0%
Provide Notice of February Public Outreach Meeting	Wed 2/15/23	At Least 14 Days in Advance	0%
February Public Outreach Meeting	Thu 2/23/23	At Least Once in February (scheduled 2/23/23)	0%

APPENDIX

% COMPLETE

Status for All Top-Level Tasks



LATE TASKS

Tasks that are Past Due

Name	Start	Finish	Duration	% Complete
Final Draft - RFP Package	Mon 12/19/22	Mon 1/16/23	20 days	75%

PROJECT MILESTONES

Major Milestones for this Project Include Contract Execution, Tasks and Deliverables

Name	Finish	% Complete
Construction (Pahala Elderly Apartments)	Thu 7/14/22	100%
Pahala Elderly Apartments Cesspool Replacement Project	Thu 7/14/22	100%
Implement the Pahala Elderly Apartments Compliance Plan	Thu 7/14/22	100%
Design (Pahala)	Wed 5/15/24	0%
Pahala Community Cesspool Closure Project	Wed 5/15/24	0%
Implement the Pahala Community Cesspool Closure Project	Wed 5/15/24	0%
Planning	Mon 1/13/25	25%
Feasibility Evaluation Report (Pahala)	Mon 11/7/22	100%
Submit Feasibility Evaluation Report (Pahala)	Fri 10/21/22	100%
EPA Review & Approval of Feasibility Report (Pahala)	Mon 11/7/22	100%
Feasibility Evaluation Report (Naalehu)	Mon 11/7/22	100%
Submit Feasibility Evaluation Report (Naalehu)	Fri 10/21/22	100%
EPA Review & Approval of Feasibility Report (Naalehu)	Mon 11/7/22	100%
Preliminary Engineering Report (PER)	Fri 9/29/23	39%
Submit PER for Pahala	Sat 5/6/23	0%
Submit PER for Naalehu	Sun 9/3/23	0%
Pahala Pahala Community Cesspool Closure Implementation Plan	Thu 2/15/24	0%
Submit Pahala Implementation Plan	Fri 1/26/24	0%
Environmental Review	Fri 10/25/24	6%
Submit an Environmental Information Document (EID) for Pahala	Wed 11/29/23	0%
Submit an Environmental Information Document (EID) for Naalehu	Sat 9/28/24	0%
Naalehu Pahala Community Cesspool Closure Implementation Plan	Mon 1/13/25	0%
Submit Naalehu Implementation Plan	Tue 12/24/24	0%
Construction (Naalehu)	Wed 2/19/25	0%
LCC Closure	Wed 2/19/25	0%
Close Naalehu Community Cesspool	Wed 2/19/25	0%
Construction (Pahala)	Tue 7/21/26	0%

LCC Closure	Tue 7/21/26	0%
Close Pahala Community Cesspool	Tue 7/21/26	0%
Public Engagement	Wed 7/21/27	35%
Create Public Webpage and Submit Address to EPA	Thu 9/22/22	100%
Public Meeting to Explain AOC Requirements	Thu 10/6/22	100%
Public Engagement (Pahala Project Options & EID)	Fri 3/1/24	0%
Commence Solicitation of Public Comment on the Project Options and EID for Pahala	Sat 1/27/24	0%
Provide Notice of all Public Meetings and Opportunities for Public Engagement & Instructions for Submitting Comments	Sun 1/28/24	0%
Hold At Least One Public Meeting within the Community Where the Project will Take Place	Mon 1/29/24	0%
Submit a Summary Response Document & Post on the Website	Fri 3/1/24	0%
Public Engagement (Naalehu Project Options & EID)	Sun 12/29/24	0%
Commence Solicitation of Public Comment on the Project Options and EID for Naalehu	Mon 11/25/24	0%
Provide Notice of all Public Meetings and Opportunities for Public Engagement & Instructions for Submitting Comments	Tue 11/26/24	0%
Hold At Least One Public Meeting within the Community Where the Project will Take Place	Wed 11/27/24	0%
Submit a Summary Response Document & Post on the Website	Sun 12/29/24	0%
Maintain Public Webpage and Submit Address to EPA	Wed 7/21/27	37%
Update Webpage (Monthly)	Wed 7/21/27	37%
Reporting and Meetings	Wed 10/20/27	19%
Semiannual Reports	Thu 7/1/27	20%
January Semiannual Reports	Sat 1/2/27	34%
July Semiannual Reports	Thu 7/1/27	4%
Semiannual Public Outreach Meetings	Tue 8/31/27	9%
February Public Outreach Meetings	Sun 2/28/27	0%
August Public Outreach Meetings	Tue 8/31/27	17%
Quarterly Meetings with EPA	Wed 10/20/27	17%
January Quarterly Meetings	Wed 1/20/27	0%
April Quarterly Meetings	Tue 4/20/27	17%
July Quarterly Meetings	Tue 7/20/27	17%
October Quarterly Meetings	Wed 10/20/27	29%

Hilo Wastewater Treatment Plant Upgrade

PROJECT OVERVIEW

FRI 9/24/21

WED 5/23/29

% COMPLETE

8%

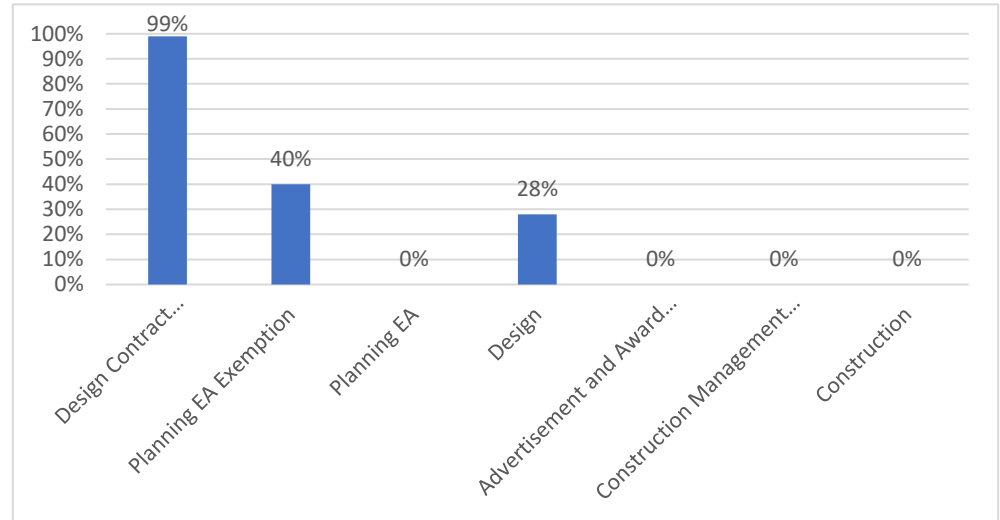
MILESTONES DUE

Milestones that are Coming Soon

Name	Finish
Consultant Notice to Proceed (NTP)	Thu 9/1/22
Draft EA Exception	Mon 9/19/22
EA Exemption	Wed 11/30/22
Complete SHPD Clearance for HRS 6E-8	Fri 12/30/22
Complete Section 106 Clearance	Fri 12/30/22
Complete Section 7 Clearance	Fri 12/30/22
Draft Environmental Assessment	Tue 11/21/23
Final Environmental Assessment	Tue 2/13/24
Final Design Submittal Workshop	Thu 1/12/23
Conceptual Design Workshop	Wed 1/11/23
50% Design Submittal Workshop	Wed 6/7/23
Final Design Submittal Workshop	Thu 12/14/23
Advertise for Bidding	Tue 5/30/23
Notice of Award	Tue 5/30/23
Advertise for Bidding	Tue 1/2/24
Notice of Award	Tue 4/30/24
Notice to Proceed	Mon 7/31/23
Notice to Proceed	Mon 7/1/24

% COMPLETE

Status for All Top-Level Tasks



LATE TASKS

Tasks that are Past Due

Name	Start	Finish	Duration	% Complete
Consultant Selection Approved by Management	Thu 5/26/22	Thu 5/26/22	1 day?	97%
Consultant Notice to Proceed (NTP)	Thu 9/1/22	Thu 9/1/22	0 days	0%
Draft EA Exception	Wed 6/1/22	Mon 9/19/22	79 days	40%
EA Exemption	Wed 6/1/22	Wed 11/30/22	131 days	40%
Complete SHPD Clearance for HRS 6E-8	Wed 6/1/22	Fri 12/30/22	153 days?	40%
Complete Section 106 Clearance	Wed 6/1/22	Fri 12/30/22	153 days?	40%
Complete Section 7	Wed 6/1/22	Fri 12/30/22	153 days?	40%

Clearance					
Final Design Submittal/Bid Documents	Wed 8/31/22	Mon 1/30/23	109 days	15%	
Phase 1 Permitting Process	Mon 8/1/22	Fri 3/31/23	175 days	25%	
Conceptual Design	Thu 9/1/22	Tue 11/22/22	59 days	0%	
Complete Consultant Selection	Wed 9/7/22	Wed 9/7/22	1 day	50%	
Submit Consultant Selection for Approval	Thu 9/8/22	Thu 9/8/22	1 day?	0%	
Develop Scope of Contract with Consultant and Evaluate Proposal	Mon 10/3/22	Fri 10/14/22	10 days	0%	
Complete Fair and Reasonable Analysis	Mon 10/17/22	Mon 10/17/22	1 day?	0%	
Complete Draft Contract	Tue 10/18/22	Tue 10/18/22	1 day?	0%	
Submit to Draft Contract to BSS Review and Finalization	Wed 10/19/22	Tue 11/1/22	10 days	0%	
Route Contract Externally for Signature	Wed 11/2/22	Wed 11/2/22	1 day?	0%	
Receive Certification of Funds from Finance Dept.	Wed 11/2/22	Tue 1/31/23	65 days?	0%	

PROJECT MILESTONES

TASKS STARTING SOON

Major Milestones for this Project Include Contract Execution, Tasks and Deliverables

Status of Tasks Starting in the Next 3 Months

Name	Finish	% Complete
Planning EA Exemption	Fri 12/30/22	40%
Draft EA Exception	Mon 9/19/22	40%
EA Exemption	Wed 11/30/22	40%
Complete SHPD Clearance for HRS 6E-8	Fri 12/30/22	40%
Complete Section 106 Clearance	Fri 12/30/22	40%
Complete Section 7 Clearance	Fri 12/30/22	40%
Design Contract Development c.009652	Fri 3/31/23	99%
Phase 1 Contract	Wed 1/26/22	100%
Consultant Notice to Proceed (NTP)	Wed 1/26/22	100%
Phase 2 Supplemental Agreement	Thu 9/1/22	99%
Consultant Notice to Proceed (NTP)	Thu 9/1/22	0%
Planning EA	Tue 2/13/24	0%
Permit Cooling Period	Tue 11/21/23	0%
Draft Environmental Assessment	Tue 11/21/23	0%
Final Environmental Assessment	Tue 2/13/24	0%
Advertisement and Award of Construction Project	Tue 4/30/24	0%
Phase 1 Bid/Award Period	Tue 5/30/23	0%
Advertise for Bidding	Tue 5/30/23	0%
Notice of Award	Tue 5/30/23	0%
Phase 2 Bid/Award Period	Tue 4/30/24	0%
Advertise for Bidding	Tue 1/2/24	0%
Notice of Award	Tue 4/30/24	0%
Design	Tue 12/10/24	28%
Phase 1 Design	Tue 5/30/23	55%
Complete Conceptual Design	Fri 6/3/22	100%

Name	Start	Finish	% Complete
Design Contract Development c.009652	Fri 9/24/21	Fri 3/31/23	99%
Phase 2 Supplemental Agreement	Fri 2/25/22	Thu 9/1/22	99%
Consultant Selection Approved by Management	Thu 5/26/22	Thu 5/26/22	97%
Consultant Notice to Proceed (NTP)	Thu 9/1/22	Thu 9/1/22	0%
Planning EA Exemption	Wed 6/1/22	Fri 12/30/22	40%
Draft EA Exception	Wed 6/1/22	Mon 9/19/22	40%
EA Exemption	Wed 6/1/22	Wed 11/30/22	40%
Complete SHPD Clearance for HRS 6E-8	Wed 6/1/22	Fri 12/30/22	40%
Complete Section 106 Clearance	Wed 6/1/22	Fri 12/30/22	40%
Complete Section 7 Clearance	Wed 6/1/22	Fri 12/30/22	40%
Design	Wed 1/26/22	Tue 12/10/24	28%
Phase 1 Design	Wed 1/26/22	Tue 5/30/23	55%
Complete Final Design Submittal/Bid Documents	Wed 8/31/22	Mon 1/30/23	15%
Final Design Submittal Workshop	Thu 1/12/23	Thu 1/12/23	0%
Final Design Submittal/Bid Documents	Wed 8/31/22	Mon 1/30/23	15%
Phase 1 Permitting	Mon 8/1/22	Fri 3/31/23	25%

Complete Conceptual Design Submittal	Fri 6/3/22	100%
Solids Conceptual Design	Tue 5/31/22	100%
Headworks Conceptual Design Workshop	Fri 6/3/22	100%
Complete 50% Design Submittal	Tue 8/30/22	100%
50% Design Submittal Workshop	Tue 8/30/22	100%
Complete Final Design Submittal/Bid Documents	Mon 1/30/23	15%
Final Design Submittal Workshop	Thu 1/12/23	0%
Phase 2 Design	Tue 4/30/24	0%
Complete Conceptual Design Submittal	Wed 1/11/23	0%
Conceptual Design Workshop	Wed 1/11/23	0%
Complete 50% Design Submittal	Wed 6/7/23	0%
50% Design Submittal Workshop	Wed 6/7/23	0%
Complete Final Design Submittal/Bid Documents	Fri 12/29/23	0%
Final Design Submittal Workshop	Thu 12/14/23	0%
Construction	Thu 12/30/27	0%
Phase 1 Construction	Fri 7/31/26	0%
Notice to Proceed	Mon 7/31/23	0%
Phase 2 Construction	Thu 12/30/27	0%
Notice to Proceed	Mon 7/1/24	0%

Phase 1 Permitting Process	Mon 8/1/22	Fri 3/31/23	25%
Phase 2 Design	Thu 9/1/22	Tue 4/30/24	0%
Complete Conceptual Design Submittal	Thu 9/1/22	Wed 1/11/23	0%
Conceptual Design	Thu 9/1/22	Tue 11/22/22	0%
Conceptual Design Workshop	Wed 1/11/23	Wed 1/11/23	0%
Advertisement and Award of Construction Project	Mon 1/30/23	Tue 4/30/24	0%
Phase 1 Bid/Award Period	Mon 1/30/23	Tue 5/30/23	0%
Bid Period	Mon 1/30/23	Fri 3/31/23	0%
Construction Management Contract Development	Wed 9/7/22	Tue 4/4/23	0%
Complete Consultant Selection	Wed 9/7/22	Wed 9/7/22	50%
Submit Consultant Selection for Approval	Thu 9/8/22	Thu 9/8/22	0%
Develop Scope of Contract with Consultant and Evaluate Proposal	Mon 10/3/22	Fri 10/14/22	0%
Complete Fair and Reasonable Analysis	Mon 10/17/22	Mon 10/17/22	0%
Complete Draft Contract	Tue 10/18/22	Tue 10/18/22	0%
Submit to Draft Contract to BSS Review and Finalization	Wed 10/19/22	Tue 11/1/22	0%
Route Contract Externally for Signature	Wed 11/2/22	Wed 11/2/22	0%
Receive Certification of Funds from Finance Dept.	Wed 11/2/22	Tue 1/31/23	0%
Route Contract Internally for	Wed 2/1/23	Tue	0%

Signature

3/14/23

Consultant Notice to Proceed
(NTP)

Wed 3/15/23

Tue 4/4/23

0%

Pahoa Wastewater Feasibility and Cost Study

PROJECT OVERVIEW

SUN 7/17/22 - THU 10/19/23

% COMPLETE

67%

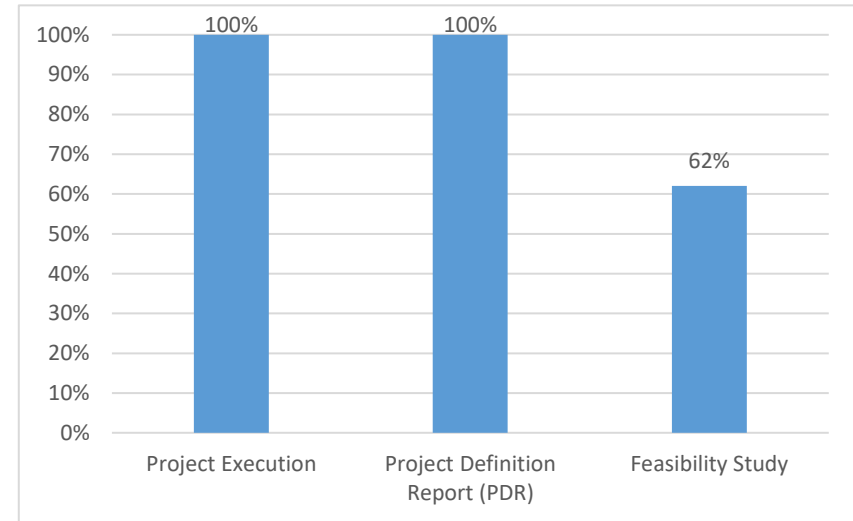
MILESTONES DUE

Milestones that are Coming Soon

Name	Finish
Complete Draft Feasibility Study	Wed 1/18/23
Complete Pre-Final Feasibility Study	Wed 4/19/23
Complete Final Feasibility Study	Thu 10/19/23

% COMPLETE

Status for All Top-Level Tasks



LATE TASKS

Tasks that are Past Due

Name	Start	Finish	Duration	% Complete
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THERE ARE NO LATE TASKS FOR THIS PROJECT

PROJECT MILESTONES

Major Milestones for this Project Include Contract Execution, Tasks and Deliverables

Name	Finish	% Complete
Project Execution	Wed 8/24/22	100%
Notice to Proceed with Contract (c009862)	Sun 7/17/22	100%
Project Definition Report (PDR)	Fri 11/18/22	100%
Complete Draft PDR	Fri 11/4/22	100%
Complete Final PDR	Fri 11/18/22	100%
Feasibility Study	Thu 10/19/23	62%
Complete Draft Feasibility Study	Wed 1/18/23	0%
Complete Pre-Final Feasibility Study	Wed 4/19/23	0%
Complete Final Feasibility Study	Thu 10/19/23	0%

TASKS STARTING SOON

Status of Tasks Starting in the Next 3 Months

Name	Start	Finish	% Complete
Feasibility Study	Mon 10/3/22	Thu 10/19/23	62%
Complete Draft Feasibility Study	Wed 1/18/23	Wed 1/18/23	0%
Feasibility Workshop	Thu 2/2/23	Thu 2/2/23	0%

Puna Wastewater PEIS and Facility Plan

PROJECT OVERVIEW

MON 3/14/22 · FRI 9/8/23

% COMPLETE

65%

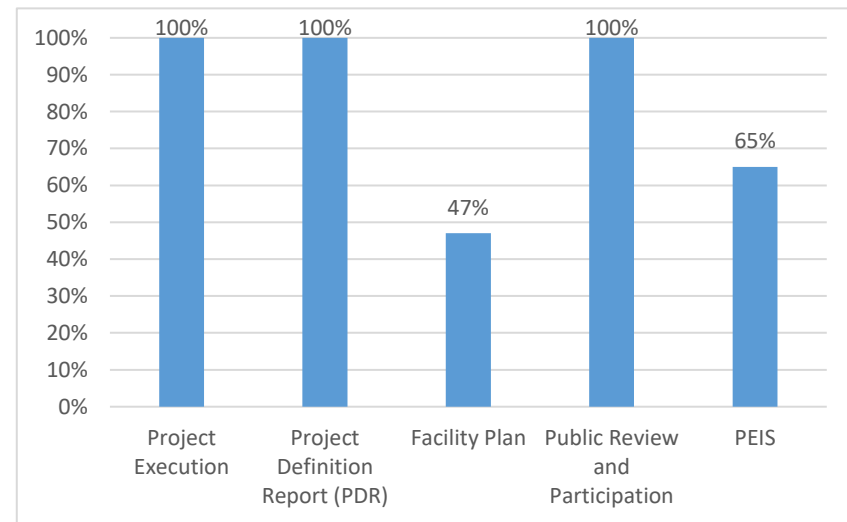
MILESTONES DUE

Milestones that are Coming Soon

Name	Finish
Complete Draft Facility Plan	Fri 2/24/23
Complete Final Facility Plan	Sat 8/26/23
File Draft PEIS Publication	Mon 3/6/23
Final PEIS Publication	Fri 9/8/23

% COMPLETE

Status for all top-level tasks.



LATE TASKS

Tasks that are Past Due

Name	Start	Finish	Duration	% Complete
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THERE ARE NO LATE TASKS FOR THIS PROJECT

PROJECT MILESTONES

Major Milestones for this Project Include Contract Execution, Tasks and Deliverables

Name	Finish	% Complete
Project Execution	Mon 3/14/22	100%
Notice to Proceed with Contract (c009727)	Mon 3/14/22	100%
Project Definition Report (PDR)	Tue 9/13/22	100%
Complete Final PDR	Tue 9/13/22	100%
Public Review and Participation	Mon 10/24/22	100%
PEIS Public Scoping Meeting	Wed 10/12/22	100%
Facility Plan	Sat 8/26/23	47%
Complete Draft Facility Plan	Fri 2/24/23	0%
Complete Final Facility Plan	Sat 8/26/23	0%
PEIS	Fri 9/8/23	65%
Programmatic EISPN	Mon 10/24/22	100%
PEISPN Publication	Fri 9/23/22	100%
Draft PEIS	Mon 2/27/23	85%
Complete Draft PEIS	Mon 1/9/23	100%
File Draft PEIS	Mon 5/8/23	0%
File Draft PEIS Publication	Mon 3/6/23	0%
Final PEIS	Fri 9/8/23	0%
Final PEIS Publication	Fri 9/8/23	0%

TASKS STARTING SOON

Status of Tasks Starting in the Next 3 Months

Name	Start	Finish	% Complete
Facility Plan	Tue 6/28/22	Sat 8/26/23	47%
Prepare Draft Facility Plan	Tue 6/28/22	Fri 2/24/23	90%
Complete Draft Facility Plan	Fri 2/24/23	Fri 2/24/23	0%
HDEM Review	Mon 2/27/23	Fri 4/7/23	0%
PEIS	Fri 4/15/22	Fri 9/8/23	65%
Draft PEIS	Tue 8/2/22	Mon 2/27/23	85%
HDEM Review	Tue 1/10/23	Mon 1/30/23	10%
PEIS Workshop	Fri 1/27/23	Fri 1/27/23	0%
Revise and Submit Final PDEIS	Tue 1/31/23	Mon 2/27/23	0%
File Draft PEIS	Mon 3/6/23	Mon 5/8/23	0%
File Draft PEIS Publication	Mon 3/6/23	Mon 3/6/23	0%

Puako & South Kohala Regional Wastewater Master Plan

PROJECT OVERVIEW

FRI 7/15/22 -- SUN 1/19/25

% COMPLETE

14%

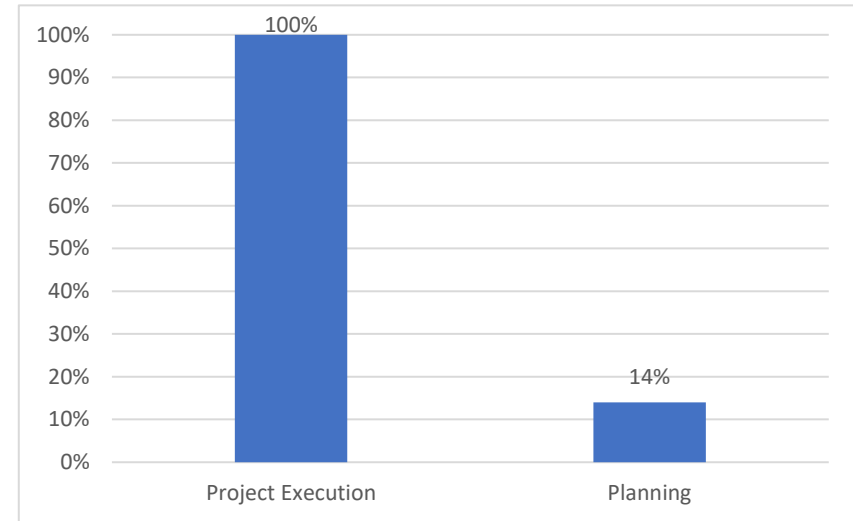
MILESTONES DUE

Milestones that are Coming Soon

Name	Finish
Complete Draft PDR	Sat 4/8/23
Complete Final PDR	Wed 7/19/23
Complete Pre-Final Wastewater Master Plan	Mon 8/19/24
Complete Final Wastewater Master Plan	Sun 1/19/25

% COMPLETE

Status for All Top-Level Tasks



LATE TASKS

Tasks that are Past Due

Name	Start	Finish	Duration	% Complete
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THERE ARE NO LATE TASKS FOR THIS PROJECT

PROJECT MILESTONES

Major Milestones for this Project Include Contract Execution, Tasks and Deliverables

Name	Finish	% Complete
Project Execution	Tue 8/30/22	100%
Notice To Proceed with Contract c.009861	Sun 7/17/22	100%
Planning	Sun 1/19/25	14%
Project Definition Report (PDR)	Sat 1/18/25	44%
Complete Draft PDR	Sat 4/8/23	0%
Complete Final PDR	Wed 7/19/23	0%
Wastewater Master Plan	Sun 1/19/25	0%
Complete Pre-Final Wastewater Master Plan	Mon 8/19/24	0%
Complete Final Wastewater Master Plan	Sun 1/19/25	0%

TASKS STARTING SOON

Status of Tasks Starting in the Next 3 Months

Name	Start	Finish	% Complete
Planning	Mon 8/1/22	Sun 1/19/25	14%
Project Definition Report (PDR)	Mon 8/1/22	Sat 1/18/25	44%
Collect Background Data	Mon 8/1/22	Fri 4/7/23	75%
Gather Info, including info on private WWTPs from DOH	Mon 8/1/22	Fri 4/7/23	75%
Description of Study Areas	Mon 8/1/22	Fri 4/7/23	75%
Wastewater Infrastructure Options	Mon 8/1/22	Fri 4/7/23	75%
Complete Draft PDR	Sat 4/8/23	Sat 4/8/23	0%