


Annual Report
for
Fiscal Year 2021
Kuleana Wai



*“Together, we
provide safe,
affordable and
sufficient drinking
water through wise
management of our
resources and with
excellent customer
service for the people
of Kaua’i”*



BOARD OF WATER SUPPLY

GREGORY KAMM, CHAIR
KURT AKAMINE, VICE CHAIR

JULIE SIMONTON, SECRETARY
LAWRENCE DILL, MEMBER
KA'AINA HULL, MEMBER
TROY TANIGAWA, MEMBER
ELESTHER CALIPJO, MEMBER

Honorable Derek S. K. Kawakami
Mayor of the County of Kaua'i
And Chairperson and Members of the
County Council, County of Kaua'i
Līhu'e, HI 96766

Ladies and Gentlemen:

The Board of Water Supply, County of Kaua'i (BWS, Board) is proud to present the annual report for the 2021 fiscal year ending June 30, 2021. This report includes a description of each program, objectives, and accomplishments of the Department of Water (DOW), projects completed and in progress, operations reports, the DOW's financial status, and changes in physical assets.

During the COVID-19 pandemic outbreak in early 2020, measures were taken to monitor and prevent the effects of COVID-19 within the DOW. As an essential utility, the DOW experienced limited impact on the services to the public and remained flexible as policies continue to change as the virus progresses.

The total water service sales revenue as of June 30, 2021, was \$27.7M which was about 9% more than the DOW's projection. The DOW receives its revenue from water service sales and has no direct subsidies or contributions from the Kaua'i County General Fund.

In FY 2021, the DOW maintained operations, managed over \$19 million Water Plan 2020 projects and one-hundred twelve (112) private projects, and continues to leverage the Build America Bond (BAB) fund. Construction is ongoing for the Drill and Test Kapa'a Well No. 4 and Drainage Improvements Project, as well as the Kaumuali'i Highway 16-Inch Main and Emergency Booster Pump Connection Project and the Hanapēpē Road 6" Replacement Project which is estimated to be completed by quarter 4 of 2021.

In Fiscal Year 2022, we anticipate construction will commence for the following two projects: Rehabilitate Paua Valley 0.5-million-gallon Concrete Tank No. 1 Project and the Kapaia Haul Cane Road 18" Transmission Line Project, although this project is currently being litigated in the Hawaii Supreme Court.

The Department has awarded nine (9) contracts and executed various memorandum of agreements between state and the county agencies. Together, with each water county department in the state, the DOW submitted the request for federal aid to assist with the economic impacts from the corona virus pandemic on water and wastewater systems. The DOW continues to work on an island-wide vulnerability and resiliency assessment and an emergency response plan. This assessment will identify and prioritize mitigation actions to enhance our preparedness for hurricanes and extreme events, as well as our recovery capabilities.

While following the various policies and directives of the County, Governor and our counterparts, the DOW continues to strive for excellence and continuous improvement to provide safe, affordable, and sufficient drinking water to the people of Kaua'i in the best and safest way possible.

Sincerely,

A handwritten signature in blue ink, appearing to read "G. Kamm".
Greg Kamm (Sep 7, 2021 20:49 PDT)

Gregory Kamm
Chairman
Board of Water Supply, County of Kaua'i



**ANNUAL REPORT
FISCAL YEAR 2020-2021
(July 1, 2020 – June 30, 2021)**

I. MISSION STATEMENT

The following mission statement serves as the guiding principle for the Department of Water (DOW). The mission statement was established in 1998.

Department of Water – Mission Statement

“Together, we provide safe, affordable and sufficient drinking water through wise management of our resources and with excellent customer service for the people of Kaua’i”

II. ORGANIZATION (County Charter, §17.01)

There shall be a Department of Water Supply consisting of a Board of Water Supply (“BWS, COK” or “Board”), a Manager and Chief Engineer and the necessary staff.

The DOW is a self-supporting entity of the County of Kaua’i. The DOW’s revenue is derived from water service sales with no direct subsidy from, or contributions to the County General Fund. The DOW’s water service revenue is used for the operation and maintenance of each water system. In efforts to provide adequate funding in the future, the DOW will periodically study its water service rates and Facilities Reserve Charge (FRC). The FRC is a fee paid by new developers or customers requesting additional water supply from the DOW’s water system.

A. BOARD OF WATER SUPPLY: (County Charter, §17.02)

The BWS shall consist of seven (7) members, four (4) of whom shall be appointed by the mayor, with the approval of the Council; one (1) of whom shall be the State District Engineer of the Department of Transportation; and two (2) of whom shall be the County Engineer and the Planning Director.

By unanimous vote, Kurt Akamine was appointed as Board Chair for calendar year 2020. The BWS also appointed Julie Simonton as Vice-Chair and Elesther Calipjo as Board Secretary.

	<u>Term Expires</u>
Gregory Kamm , Chair	12/31/22
Kurt Akamine , Vice-Chair	12/31/21
Julie Simonton , Secretary	12/31/22
Elesther Calipjo , Member	12/31/21
Lawrence Dill (State District Engineer)	(ex-officio)
Troy Tanigawa (County Engineer)	(ex-officio)
Ka’aina Hull (Planning Director & Board Secretary)	(ex-officio)

Power & Duties of the Board (County Charter, §17.03)

The Board shall manage, control, and operate the waterworks of the County and all property thereof, for the purpose of supplying water to the public and shall collect, receive, expend, and account for all other moneys and property provided for the use or benefit of such waterworks.

- a. The Board shall maintain accounts to show its complete financial status and the results of management and operations.
- b. The Board may provide for a reserve fund, issue revenue bonds, provide for payment of bonds, expend bond funds and other funds, establish rates and charges, acquire property, sue, and be sued, and engage in and undertake all other activities as provided for in Chapter 145-A, Revised Laws of Hawaii 1955, and as may be hereafter provided for by law.
- c. The Board may make and, from time to time, alter, amend, and repeal rules and regulations relating to the management, control, operation, preservation and protection of the waterworks. Such rules and regulations shall have the force and effect of law. Penalties for the violation of any rule or regulation shall be set forth in the rules and Regulations.

B. STAFF (County Charter, §17.04)

On December 8, 2020, County Charter was amended to state:

The manager and chief engineer shall be appointed and may be removed by the board of water. Said person shall be the head of the Department. The manager and chief engineer may but is not required to be an engineer duly registered under Hawai'i state laws pertaining to registration of engineers and shall have a minimum of five years of training and experience in an engineering related position, at least three years of which shall have been in a responsible administrative capacity. Said person shall have the powers and duties prescribed by the Board. (Amended 1980)

The Board created a permitted interaction group to recruit, receive and screen applications for the manager and chief engineer position.

For FY21, the DOW funded one hundred fourteen (114) positions, including positions that were partially funded and six (6) summer interns. There were ten (10) new hires. Included in these personnel activities, there were nine (9) promotions, two (2) demotions, two (2) transfers, one (1) re-described position, three (3) retirements, and one (1) resignation, four (4) separations. At the end of FY21, the Department had ninety-one (91) positions filled.

The DOW recognized its 2020 Employees of the Year, Lenny Camat and Amy Kiyotsuka from the DOW's Operations team.

Previously, there were eight (8) divisions under the management of the Manager and Chief Engineer. After the reorganization for Engineering in May of 2020, combining Water Resources and Planning, Engineering, Construction Management and Water Quality, there are five (5).

1. ADMINISTRATION DIVISION

Under the Manager and Chief Engineer, the administrative staff included sixteen (16) positions of which fifteen (15) were budgeted for FY21. The Administration Division is responsible for the day-to-day management of the Department and coordination between the DOW and the public, including customers, governmental organizations, and public inquiries; personnel management; contract management; management of Board affairs; and providing service to, and oversight of the operation of each of the five (5) divisions.

Staff in Administration ending June 30, 2021: 7

Program Description

Administration leads, directs and manages the activities of the Department and provides administrative support for all divisions including personnel services, clerical support, legal support, community relations, training and safety; intergovernmental coordination with Federal, State and County agencies; and coordination of long-range planning and Department programs and activities among the divisions.

Program Objectives

- a. Provide support for the BWS, COK in its role to manage, control, and operate the waterworks of the County, and all property thereof; adoption of the DOW's budget and establishment of water service rates and charges; and facilitate development and implementation of administrative rules and Board policies.
- b. Administer the Department's staff and provide support for the operating divisions, through provision of clerical, personnel, legal and information and educational services; coordination of Department-wide programs; establishing goals, objectives, and assignments for the operating divisions; and providing operational financial and procurement oversight for the Divisions.
- c. Provide leadership for the Department's community relations and intergovernmental coordination with other federal, state, and county agencies.
- d. Coordinate Department-wide initiatives and programs, including long range planning, development of business and capital improvement program strategies, staff and organizational development, water system security and adoption, and integration of new technologies.
- e. Communicate internal outreach to employees during staff meetings and weekly leadership meetings to ensure all employees are aware of new or amended rules and regulations as well as various matters that require staff attention.
- f. The Department's Administrative support team is comprised of the Private Secretary, Secretary, Commission Support Clerk, Program Support Technician, and Senior Clerk, along with Public Relations and Human Resources. This team implements cross training and provides clerical or administrative support throughout all divisions.

Program Highlights

- a. The DOW continues to work on Water Plan 2020 (WP2020) projects. Public outreach to promote water conservation and environmental education, including sponsoring Project WET (Water Education for Teachers), and coordinating of the Make-A-Splash Festival (MAS).
- b. The DOW continues to work with and support the Kaua'i Watershed Alliance (KWA), an organization for mauka landowners dedicated to watershed conservation and management. The KWA has hired The Nature Conservancy of Hawai'i (TNC) as the coordinator for the Alliance. The Department, while not a landowner, is a member of the Alliance and continues to support the conservation goals and efforts of this group in recognition of the critical importance of the watershed for maintenance and enhancement of the water resources of the island.
- c. The Department also continues the work with and support the United States Geological Survey's (USGS) Groundwater Monitoring Program to continue to collect data and evaluate the status and trends of water levels in selected wells on the island.

The following summary is an overview of some of the key Department-wide accomplishments for FY21.

Board of Water Supply

- a. Approved funding requests in support of training efforts and staff reorganization.
- b. The Board approved the DOW's FY21 operating budget of \$34.7M contracting nine (9) new contracts and the following agreements:
 - Use and Occupancy Agreement No. 362 and 362-A with the State of Hawai'i, Director of Transportation, for the Highways Division Regarding Parcels for Kūhi'ō Highway, intersection of Ehiku Street at TMK (4) 3-8-9 (Portion)
 - Federal Assistance Request with Honolulu Board of Water Supply, County of Hawai'i, Department of Water Supply and County of Maui.
 - Memorandum of Agreement with the Department of Public Works, County of Kaua'i for the Līhu'e Town Core Mobility and Revitalization Project Federal-Aid Project No. TGR 0700 (073) (*Līhu'e Water System*)
 - Amendment 1 to Memorandum of Agreement with the Department of Public Works, County of Kaua'i for the Reconstruction of Weke Road and Reinstallation of Damaged Water Main and Appurtenances (*Hanalei Water System*)
- c. Rule Changes
 - None
- d. Water Service Rates
 - The last water rate increase occurred in fiscal year 2015 (implemented July 1, 2014). There were no scheduled water service rate increases thereafter. In August 2020, the Board cancelled rate study agreement with Raftelis because the long-term impacts of COVID-19 could not be adequately assessed through

the study, The Department plans to execute an agreement to complete a Financial Management Planning and Water Rate Analysis for the next five (5) years in fiscal year 2022.

Departmental Programs

- a. The DOW is a member of the American Water Works Association (AWWA). This is a non-profit organization that benefits the DOW to improve public health with dedication to managing and treating the world's most precious resource with standards and applications of resource and training to the DOW staff.
- b. The DOW is also a member of the Hawai'i Water Works Association (HWWA). HWWA is a locally based non-profit organization and a branch of AWWA. HWWA provides the DOW as the initial point of contact concerning water system standards and the improvement of practice in operating and management of the water works and government policies to the stewardship of water.
- c. Tracking American Water Works Association (AWWA) Performance Indicators in areas of finance, customer service, operations, and system replacement.
- d. The DOW continues to strive towards reducing operational costs by filling vacant positions and reducing overtime. This process is incremental but continues to be a priority. Overtime will continue to be needed to cover essential functions during weekends, holiday and after hour emergencies.
- e. The DOW continues to provide leadership in emergency preparedness through its participation in the Utility Disaster Preparedness and Response Group which is comprised of twenty-one members of electric utility, communications, fuel and gas representatives, private water agencies, hospital representatives including Federal, State, and County Agencies, in order to provide support for the maintenance, repair, and/or restoration of all public utilities serving the County during any emergency or disaster.
- f. Training that was postponed/cancelled due to the COVID-19 pandemic in FY21:
 - Project WET Conference
 - Hawai'i Rural Water Association Conference Training
 - Pacific Water Conference Training
 - American Waterworks Association Conference Training
 - Skillpath Workshops and Webinars continued virtually throughout the year.

Public Relations Section

Program Description

The Public Relations (PR) Section, within the Administration division, performs a wide range of public informational activities relating to departmental functions and programs. PR's main objective is to develop, manage and perform the DOW's public information, conservation programs and community outreach initiatives. This involves detailed coordination of community events, presentations and advertising platforms that highlight the DOW in a positive and professional way. PR provides recommendations for the Department's communication methods for divisional and

Department-wide announcements. PR programs also include educational presentations to promote the Department's water conservation programs and general water service operations. PR achieves its main objective through the careful development and dissemination of accurate and timely public information to customers regarding DOW's complex water systems and hosting a variety of outreach campaigns. PR coordinates and conducts its successful programs participation from all divisions at the DOW.

Program Highlights

The PR activities of note during FY21 include the following:

a. Project Water Education for Teachers (WET) Program

The Project WET program continues to provide valuable curriculum and advancement opportunities for the DOW's PR programs. PR utilizes the Project WET curriculum as a supplement to its water educational presentation, displays and community outreach efforts. The DOW continues to serve as the state's host institution for Project WET in Hawaii and the Information and Education Specialist position is the program's state coordinator. The state coordinator is responsible for fulfilling the Project WET host agreement and includes overseeing a network of certified Project WET Facilitators, coordinating training, and helps organize local and neighbor island requests for Project WET presentations.

Due to the COVID-19 pandemic, in-person training workshops were suspended starting April 2020. Over the course of the fiscal year, as restrictions and educational outreach programs were slowly reopening, our Facilitator team on Oahu was able to host our first virtual Educator training in March 2021. Training continues to be offered virtually in a self-service capacity but has not been successful due to the lack of interactive, hands-on learning component teachers and attendees' desire. In-person workshops are being planned for FY21 year, pending the safety protocols.

b. Community Outreach & Education

Imagine a Day Without Water – PR coordinated a drive-thru water education resource kit pick-up event and social media campaign in honor of Imagine a Day Without Water and celebrated nationally, on October 21, 2020. The events celebrated water agencies, industry professionals and the importance of water resource management. A drive-thru pick-up of free water education kits were offered to the community on October 6, 2021, at the Vidinha stadium parking in Lihue. Over 520 kits were distributed. The social media campaign, which ran from Oct. 1-21, 2020, via the Department's Facebook page, was a success, receiving an increase of 57% in followers when compared to the same period last year. The campaign included public testimonials of residents and health center workers sharing their opinions of why clean water is so important.

EPA's Fix a Leak Week – PR coordinated the DOW's annual Fix a Leak Week (FALW) campaign on March 15-19, 2021. Free leak detection and repair kits were offered at the Department to coincide with the Department's main lobby reopening. A total of 72 kits were distributed and an informational lobby display was set up to

allow customers to participate in the FALW activities. Educational awareness during Fix a Leak Week was also published online, via promotional messaging on Facebook page, newspaper banner ads and radio advertisement.

Educational Presentations – PR provided 2 educational presentations on water conservation and water quality at a local charter school in Kīlauea in April 2021.

c. Media Campaigns

PR renewed the annual contracts with KFMN-FM97 Radio Station and KONG Radio Group, Inc. to conduct consistent radio advertising when public announcements are needed (i.e., water shutdowns, road closures, emergency water conservation, workshops, festival, and general water information). Contracted radio announcements ensure that notices are read on air frequently, and at a moment's notice, when emergencies arise. The DOW also used radio advertisements to promote conservation tips and other promotional advertising that benefited the DOW.

PR expanded its “Wise Water Wednesdays” campaign in November 2020 to include weekly newspaper advertisements and Facebook posts. The weekly Wednesday campaign aims to promote DOW's water conservation initiatives, Department services and special announcements. The simultaneous radio and newspaper ad, combined with Facebook post helps to expand weekly messaging to increase awareness in our communities.

PR promotes water conservation through half page advertisements in the Kaua'i Family Magazine. The publication's target demographic is Kaua'i families with children and has a distribution list that includes schools, shopping centers and resource centers. The DOW's quarterly advertisements included water conservation tips, leak detection, water education through Project WET, seasonal water saving tips and promotes the Department's available customer services.

d. Community Support

East and West Kaua'i Soil Water Conservation Districts (SWCD) – PR continued to work with the East and West Kaua'i SWCD to support environmental and conservation education and participated in their annual Conservationist of the Year Awards. It was held virtually in January. The award recognizes Water Conservationists and their efforts and is aligned with the Department's conservation programs goals.

e. Employee Relations

PR supports positive employee relations through the participation of interoffice and community event opportunities throughout the year. Efforts include invitations to attend and speak at community outreach events such as career day, Make a Splash Festival, and other volunteer opportunities. This year, volunteer opportunities for outreach volunteer were minimal due to safety guidelines during the pandemic.

PR publishes a monthly newsletter highlighting staff achievements, internal updates, share special appreciation and acknowledgement message from customers and promote upcoming employee events, etc. In addition to Departmental emails,

the employee newsletter plays a key role in staff communications within the Department.

PR staff serves as a department representative on the County of Kaua'i's Employee Council committee.

f. Media Features

The DOW received multiple features in the Garden Island Newspaper and other local, state news stations throughout the year. PR continues to command media attention for important water related topics, such as: water conservation, water quality, emergency preparedness and water service announcements. DOW has also received media recognition for PR's outreach and educational efforts in the community.

The DOW was featured in Trade Publishing's Construction Preview 2021 Magazine. A list of expected projects for 2021 and a synopsis of DOW's 2021 construction projects were featured. Construction Preview 2021 was published in mid-January 2021.

The DOW was awarded the 2019-2020 Hawai'i GREEN Business Award for the eco-friendly revamp of its annual Make a Splash with Project WET Festival in 2019. The state recognized award was celebrated in a virtual ceremony on December 4, 2020, and DOW received acknowledgements from the Department of Business, Economic Development and Tourism, Governor David Ige, and other participating agencies. DOW also received local media acknowledgement for this award in the Garden Island Newspaper.

g. Increased Social Media Presence

PR continues to utilize DOW's social media pages for public notices and service announcements. FY21 ending, there were 2,498 followers on the DOW's Facebook page, resulting in an approximate 48% increase of followers compared to last year. Based on the likes and shares received on Facebook, followers continue to utilize the DOW's page to monitor and comment on water service notices, such as scheduled and emergency service shutdowns, etc.

In FY21, PR included video spots in its weekly posts to provide a visual appeal on its page. Video audio includes the weekly radio spots and related clips or photos to visually support the topic. PR's Wise Water Wednesday campaign also provides weekly awareness of the Department's services, conservation awareness and other customer-related topics to keep information fresh and followers engaged. PR has also participated in joint social media campaigns with other national water-related agencies through use of campaign hashtags and shared content.

2. INFORMATION TECHNOLOGY DIVISION

Program Description

The Information Technology (IT) Division coordinates with its consultant services and

maintains databases for the Department's Financial (Great Plains), Billing (CC&B), and Maintenance Management Systems (M-PET); and is responsible for maintaining and updating software applications utilized to support Division and Departmental functions. The IT Division maintains, supports, and oversees security of the Department's local and internet network systems. Additionally, the Division maintains, supports, updates, and troubleshoots the Department's website, Voice over IP Phone System (VoIP), and assists with the Geographic Information System (GIS) program.

Staff in Information Technology ending June 30, 2021: 3

Program Highlights

The IT Division continues to assist with the support of the Customer Care and Billing System (CC&B) with the review and maintenance of a dedicated (encrypted) virtual private network (VPN) connection. Continual improvements are ongoing to provide secure connectivity and resource availability to Department staff.

During the FY21, the Department has advanced IT in ways, including but not limited to migrating on-prem Exchange/SharePoint environments to Office Online (O365), implemented fiber connectivity between County of Kaua'i, and upgraded to Beacon AMA, allowing us to take advantage to cellular meter reading data.

To enhance security measures when the DOW network, MFA (Multi-Factor Authentication), and procured CrowdStrike Complete to provide real-time antivirus/malware protection for our business network.

5-year IT Strategic Plan

A 5-year I.T. Strategic Plan (ITSP) was adopted in May of 2019. The ITSP identified 12 initiatives to improve efficiency of the Department:

1. Replace M-PET with a GIS-based Work Management System
Migration to the improved cloud-based version of M-PET work management system has been reviewed and meets the intent of the ITSP. Migration to the cloud with the improved M-PET software has been completed in the 2nd quarter of FY20.
2. Review and Align Billing System Configuration
Review of the billing system has started as of FY20 and is currently ongoing.
3. Upgrade SCADA and Replace Servers
SCADA server upgrade work was completed in August of 2020.
4. Upgrade Financial Information System
A review of the Financial Information System has been conducted and the Department has decided to upgrade to a cloud-based system. Anticipated start is in the 3rd quarter of FY20.
5. Develop GIS Technologies and Processes
6. Maintain and Support Hydraulic Model Software

7. Core I.T. Infrastructure Upgrades
Accelerated by COVID needs, IT infrastructure upgrades have been initiated and are continually being improved as the needs arise.

Migration to O365 which includes cloud-based email (Exchange) and Document Library (SharePoint) was completed in FY21.

Server/Infrastructure upgrades slated for Q2 FY22.

8. Procure Emergency Communication Equipment
Procurement of the equipment was completed in June of 2019.
9. SOPs and Proficiency Testing Program
10. Improve use of SharePoint
Improvements are ongoing with the assistance of professional services consultant.
11. Expand the I.T. Section into a Division to Support DOW's growing needs
Board approved the creation of the IT Division and an additional I.T. position in FY19.
12. Develop User Groups

Vision for the New I.T. Strategic Plan

The Department intends to use information technology to improve its efficiency, maintain good customer service, plan for future needs, and provide reliable safe drinking water, while being fiducially responsible. The vision for IT Division over the planning horizon is as follows:

- Manage our work, assets, projects, and materials professionally and collaboratively
- Provide excellent customer service, internally and externally to the Department
- Use technology to operate efficiently and effectively with evidence-based decisions
- Understand and improve our technologies to best support our processes
- Build partnerships between users and IT staff to work as a team
- Develop an IT organization with the resources needed to provide valued advice and great support

3. ENGINEERING DIVISION

Program Description

The Engineering Division was recently re-organized internally, to include the following sections, Water Resources and Planning, Environmental, and Project Management. The Division is responsible for the planning, outreach, design,

construction, and water quality needed to provide current and future customers with high quality service in alignment with the Department's Mission. The program conducts research and analytical assessment, investigation, analysis, and review of the Department's water system infrastructure and provides guidance to proposed developments' (subdivision, zoning, and land use amendments, resorts, hotels, and hotels, etc.) planning, design construction and water quality to ensure compliance with applicable laws, rules, regulations, policies, and its Water System Standards.

The Division is responsible for the oversight of the Department's Capital Improvement and Capital Replacement program. The Division prepares and administers professional services and construction contracts for water infrastructure improvement projects of the Department.

In addition, the program maintains the engineering records and provides mapping/drafting services to support the Department.

Staff in Engineering ending June 30, 2021: 16

Program Objectives

- a. Conducts long-range planning, research, and analytical studies of water usage to monitor and forecast the anticipated water supply needs for the island of Kaua'i.
- b. Conduct condition assessment, investigation, analysis, and review of the Department's water systems infrastructure.
- c. Provides guidance and reviews proposed developments' water system planning (subdivisions, zoning and land use amendments, resorts, hotels, water service request, etc.) to ensure compliance with the Department's Rules and Regulations and Water System Standards.
- d. Determine and evaluate hydraulic criteria in the development of an efficient water system distribution network.
- e. Provide information and criteria to Federal, State and County agencies, stakeholder groups and the public to assist with the management and protection of the island's water sheds and water resources.
- f. Provides engineering services (planning, environmental, design and construction) to ensure that water infrastructure improvements and expansion follow applicable laws, rules and regulations, policies, and standards of the Department.
- g. Maintain maps and records of the Department's water infrastructure.
- h. Conduct water system compliance testing to certify that the Department's water systems and water quality complies with Environmental Protection Agency (EPA) and the State of Hawai'i Department of Health (DOH) safe drinking water standards.

Program Highlights

The Engineering Division continues to utilize the \$60 million Build America Bond (BAB) from March 2010 along with State Aid and Grant funds to deliver infrastructure projects. The Division manages infrastructure improvement funding from DOW sources, as well.

Water Resources and Planning Section

In FY21, the Water Resources and Planning (WR&P) section has reviewed and processed the following:

Subdivisions, Zoning, Use Permit, Land-Use, GPA/Z, ADU Clearance*	133
Water Service Inquiries/Water Meter Requests*	229
Building Permits*	1806
Backflow Prevention Devices Tested**	1971

*The numbers are consistent with prior year totals.

**Increase of approximately 15% compared to the previous year.

WR&P continued to review and update the Department’s Rules and Regulations, Part 5, Facilities Reserve Charge (FRC) Section III to assess reasonable impact fees for facilities connecting to the Department’s water system.

- The annual backflow device test program continues to be refined and expanded. WR&P continues to review and approve backflow device construction plans as well as maintain an inventory and status of each of the backflow devices. As of June 30, 2021, there were 1,971 approved backflow devices installed and tested island-wide.
- WR&P continued to engage with various water resource management and stakeholder groups to assist with wise management of Kauai’s water resources.
- WR&P continued with compliance testing of each of the Department's water systems to ensure compliance with the Environmental Protection Agency (EPA) and Hawaii Department of Health (HDOH) safe drinking water standards.

Project Management Section

Capital Improvement Projects of note:

- HE-14 – Hanapēpē-‘Ele‘ele Booster Pump Replacements - nearing completion
- HE-1 – Reorganize Water System; Pipeline Connecting Hanapēpē and ‘Ele‘ele - nearing completion
- HE-10 – Hanapēpē Road 6” Water Main Replacement – nearing completion
- K-01 & K-12 – Kalaheo Water System Improvements (Yamada 0.5 MG Storage Tank, Clearwell 0.5 MG Storage Tank, 8” Water Main, Yamada Well) - Preparing to bid.
- KW-07 – Rehabilitate Paua Valley Tank #1, 0.5 MG Concrete. - construction re-evaluation in progress.

Līhu’e District

- PLH-35b – Kapaia Cane Haul Road 18” Water Main – construction on hold
- PLH-27 – Kūhi‘ō Hwy (Hardy-Oxford) 16” Main Replacement - in design



Kawaihau District

- WK-23 – Wailua Homesteads 0.25 MG Storage Tank (U.H. Experimental Station Site) - Negotiations ongoing with UH College of Tropical Agriculture and Human Resources.
- WK-08 – Kapa‘a Homesteads Two 0.5 MG Storage Tanks (1.0 MG Total) Package B - preparing for construction.
- WK-08 - Kapa‘a Homesteads Two 0.5 MG Storage Tanks Drain Line Package A – Design completed. Project in construction
- WK-39 – Kapa‘a Homesteads Well #4 – Project in construction;
- Job No. 18-09 – Rain18 Makaleha Tunnel Water Line Repairs

Hanalei District

- WKK-15 – Kīlauea (Pu‘u Pane) 1.0 MG Storage Tank and Connecting Pipeline
- HW-11 – Hā‘ena 0.2 MG Storage Tank
- HW-12 – Drill and Test Wainiha Well #4
- WKK-03 – MCC, Chlorination Facilities, Kīlauea Wells No. 1 & No. 2 – Preparing for re-bid.
- WKK-2 – Drill and Develop New Kīlauea Well No. 3 - Land negotiation ongoing

General

- Job No. 19-01 – Island Wide Vulnerability and Resiliency Assessment
- Job No. 18-02 – Island Wide Rehabilitation of Tanks

Private development projects of note include:**Waimea District**

- Waimea Huakai Affordable Housing (S-2019-10)
- Lima Ola Subdivision, Phase I
- State Highway Hanapepe Bridge Replacement and Temporary Bridge (DOT)

Kōloa District

- County of Kaua‘i Work Force Housing
- COK – Maluhia and Kōloa Road Improvements

Līhu‘e District

- COK – Rice Street Improvements Tiger Project

Kawaihau District

- Kulana subdivision
- COK – Opaekaa Bridge Replacement changes

Hanalei District

- Wainiha Bridges Replacement (DOT)

The Project Management Section has received seventy-five (75) new private development projects for review in addition to ongoing private development and other government agency projects.

4. OPERATIONS DIVISION

Program Description

The Operations Division is responsible for repairing, maintaining, and operating the DOW's water distribution network, water storage facilities and water producing sources. As water is an essential commodity, emergency repairs and trouble calls are provided round-the-clock on an as-needed basis with Operations personnel on standby duty to respond to emergencies and requests for assistance from both internal and external customers. To accomplish its mission, the Operations Division maintains and stocks a complete inventory of materials and supplies for assurances that repairs are completed in a timely manner.

Along with the responsibilities of providing potable water, Operations Division provides the DOW facilities maintenance and fleet management functions and is responsible for the maintenance, repairs and replacement of DOW owned facilities, vehicles, and equipment.

Operations Division prepares bid documents and solicitations, procures, and administers repair and construction contracts for projects included in the Division's budget for the fiscal year but not included in the Water Plan 2020 projects; procures and manages professional services contracts as well as maintenance, and goods and services contracts.

In addition to providing external customer service in responding to water related emergency calls from the public, Operations Division personnel also provides internal customer service by assisting and helping other Divisions, Departments and Agencies in need of manpower assistance within the expertise of Operations personnel.

Under the direction of the Chief of Operations, the Operations Division team of fifty-seven (57) personnel are with the Plant Operations Section, the Field Operations Section, and the Administration Section

Staff in Operations ending June 30, 2021: 48

Program Objectives

The Operations Division daily activities are centered along the following:

- a. Operating, monitoring, and maintaining 52 deep-well pumping stations, 19 booster pumping stations along with its associated electrical motor control centers and chlorination disinfection equipment, four tunnel sources, 60 storage tanks, and 75 control valve stations.
- b. Maintaining, repairing, and replacing mechanical and electrical malfunctioning components, equipment, and infrastructure to maintain water service.
- c. Maintaining and repairing the DOW's fifty-five (55) vehicles, two (2) backhoes, two (2) skid steer loaders along with their various attachments, five (5) mini-excavators, one (1) portable air compressor, 11 trailers, 17 trailer-mounted generators ranging in sizes from 70 KW to 400 KW, two light towers, and numerous motorized hand-operated construction equipment.

- d. Operating, monitoring, maintaining, and repairing more than 400 miles of pipeline, 22,400 consumer water service connections, 4,000 valves, and 2,600 hydrants and standpipes.
- e. Installing new service connections and meters including the replacement of defective meters and those in service for 20 years. Providing temporary water services through hydrant meter connections for construction activities like dust control and landscaping.

Program Highlights

Field Operations Section Statistics

- Various leak repairs (laterals, transmission, and distribution lines).....404
- Meters and appurtenances.....695
- Live Taps27
- Waterline Shutdowns due to contractor tie-in19
- One Call Center Tickets (requests for markings)347
- Fire Hydrant Maintenance268

Plant Operations Section

Water Produced from water systems operated by DOW in million gallons (MG):

- Kekaha-Waimea 455.891 MG
- Eleele-Hanapēpē 285.296 MG
- Kalāheo-Po'ipū 1,185.026 MG
- Puhi-Kapa'a 1,231.484 MG
- Anahola 81.830 MG
- Kīlauea 241.505 MG
- Hanalei 60.131 MG
- Wainiha-Hā'ena 47.247 MG

Water imported from private water systems in Million Gallons (MG):

- Puhi-Kapa'a 550.743 MG
- 'Anini 18.129 MG
- Kīlauea 0.914 MG
- Hanalei 0.984 MG

- a. Auto mechanics performed routine troubleshooting and repairs as well as preventive maintenance of vehicles and equipment.
- b. Electricians performed electrical routine troubleshooting and repairs at various island wide remote sites.
- c. Water Plant Operators performed routine maintenance of all remote sites as well as maintenance of pumps and motors. Water Plant Operators performed routine daily check of island-wide water disinfection and storage systems.
- d. Construction, Welding, Maintenance Workers performed routine construction, repair, maintenance works at island wide remote facilities.
- e. Sodium Hypochlorite on-site generation project at Kapilimao Well Site, contract

executed. Installation complete, testing on-going.

- f. Completed and submitted the Water Audits for calendar year 2020 to Commission on Water Resources Management (CWRM) in compliance with Act 169 - Water Audit Law. Water audits were completed of each of the following water systems:

Kekaha-Waimea
Hanapēpē-Eleele
Kalāheo-Kōloa-Po'ipū
Puhi-Līhu'e-Hanamā'ulu-Wailua-Kapa'a
Anahola
'Anini
Kīlauea
Hanalei
Wainiha-Hā'ena

- g. Contracts completed:
- Contract 686, GS-2019-9, Procure Emergency Generator and Mechanic Truck completed 12/19/2020
 - Contract 696, GS-2020-4, Procure Three Heavy Equipment completed 11/1/2020
 - Contract 691, GS-2020-3, Procure 4x4 Pickup Truck completed 11/27/2020.
 - Contract 694, GS-2020-4, Procure F450 Pickup Truck with Utility Bed completed 4/11/2021
 - Contract 695, GS-2020-4, Procure Dump Truck completed 5/10/2021
 - Contract 693, Job 20-1, Koloa Well D Pump Replacement completed 6/11/2021
 - Contract 699, GS-2020-6, Kapilimao Well On-site Sodium Hypochlorite Generation completed 5/31/2021
 - Contract 697, GS-2020-5, Procure Excavator completed 12/5/2020
 - Contract 701, SCADA Maintenance – Notice To Proceed issued contract on-going
 - Contract 692, GS-2020-2, Procure Hydrants and Appurtenances completed 9/17/2020

- Contract 706, GS-2021-01, Procure Sewage Lift Station Control parts received; installation pending
- Contract 703, Job 20-05, Waimea Well B Pump Replacement on-going
- Contract 705, GS-2021-02, Procure 150 kVA Emergency Generator completed 4/29/2021
- Contract 707, GS-2021-03, Procure Compact Track Loader Notice To Proceed issued
- Contract 708, Air conditioner Maintenance Notice To Proceed issued

Assisted Engineering Division in construction plan review of DOW facilities improvements, expansions, repairs, and maintenance.

Operations Division personnel performed in-house construction, repair, maintenance of remote site access roadways and structures as well as in-house construction of temporary offices on the second floor of the Water Quality building.

Operations personnel provided non-information technology repair and maintenance support to DOW co-workers.

h. Operations Division personnel attended the following training classes:

1. Forklift Certification Training
2. Distribution System Operator Exam Review
3. Respiratory Safety Training
4. Flagger Certification
5. Valves, Hydrants and Meters
6. Water Chemistry
7. Rehabilitation of Water Mains
8. Asbestos Handling
9. Regulations Class
10. Basic Electricity
11. Excavation, Trenching, Pipe Laying
12. Water Treatment Filtration
13. Hawaii WARN Functional Exercise
14. Asset Management Series
15. Hawaii Emergency Response Planning and Cyber Security

i. Two thousand one hundred eighty-eight (2,188) total work orders issued for Operations Division in FY21. Of the 2,188 work orders, 1,989 are either fully or partially closed. Works included vehicle maintenance and repair; hydrant maintenance and repair; Hawai'I One Call requests for markings; transmission/distribution/main line and appurtenances leak repair and maintenance; electrical and electronics repair and maintenance at remote terminal units, tank

sites, deep well sites, and booster pump sites; grounds keeping at remote sites; repair and maintenance of access roads and driveways at remote sites; remote buildings and structures repair and maintenance; disinfection/chlorination equipment repair and maintenance; water meters installation, repair and replacement.

In addition to the above-mentioned daily activity of operating, maintaining, repairing DOW's fleet, water distribution network, water storage facilities, and water producing sources, Operations Division procured and administered fifteen (15) goods & services, professional services, maintenance services, and construction contracts.

5. FISCAL DIVISION

Program Description:

Under the direction of the Waterworks Controller, the Fiscal Division is divided into the Accounting section and the Billing section. The Fiscal Division is responsible for planning and directing financial activities and administering the fiscal programs and customer activities of the Department. This includes revenue and cash management, project cost accounting, payroll, leave records, accounts payable, utility plant accounting, meter reading, consumer billing and accounting, preparation of financial and statistical reports, conducting internal audits, facilitating financial and statistical studies for reports and rate making, preparation of financial statements for yearly audit, and assisting the Manager in the development of the annual fiscal year budget.

Staff in Fiscal ending June 30, 2021: 19

Program Objectives:

Waterworks Controller

- a. Administer the affairs of the Fiscal Division and all programs assigned to it.
- b. Preserve the financial integrity of the DOW through internal control and annual financial audits.
- c. Generate a return of investments and to insure deposits with financial institutions are fully collateralized.
- d. Monitor the availability of funds to meet cash flow requirements.
- e. Responsible for the preparation of financial and budgetary reports monthly and annually.
- f. Act as Chief Procurement Officer for the Department.

Accounting

The Accounting section is supervised by an Accountant IV with a staff of four (4) Accountants, each maintaining one or two primary functions in the field of accounting with one (1) Account Clerk supporting the staff with the following:

- Cash & Investments
- Purchasing & Accounts Payable
- Project Cost Accounting & Work Orders

- Debts
 - Fixed Assets
 - Operating and Capital Budgets
 - Payroll
- a. Provides accurate, complete, and timely recording and reporting of all financial transactions and activities of the DOW.
 - b. Processes the DOW's payroll in a timely manner.
 - c. Processes accounts payable and issue payments in a timely and efficient manner.
 - d. Maintains records of new and existing general plant and utility plant assets, account for depreciation and dispositions and keep track of the value of the overall changes.
 - e. Maintains the general ledger of accounts and financial accounting system with the use of Microsoft Great Plains (GP).
 - f. Manages the DOW's Purchase Orders (PO) using Paramount Workplace' Purchase Requisition program which is integrated with GP to generate and approve PO. This integration provides a real time encumbrance report that each division head uses to manage their budget.
 - g. Performs monthly closing of the accounting system and prepares monthly reports of revenues, expenses, and variances against the approved budget.
 - h. Manages accounts payable and process invoices and payments regularly.
 - i. Manages payroll for all DOW employees; Payroll is processed twice a month through the County's AS 400 payroll system.
 - j. Maintains subsidiary accounts of fixed assets and accounting of new assets and disposals.
 - k. Maintains subsidiary ledgers of all debts, amortization, and payments.
 - l. Reconciles Cash, Cash in Bank, Cash Treasury, and Investment accounts.
 - m. Performs cost accounting for DOW & private jobs. Prepare claims for DOW job related work orders and insurance claims.
 - n. Reviews purchase requisitions for account coding and budgetary controls before processing purchase orders.
 - o. Collaborates with DOW divisions to produce documents for payroll, AP processing, project and job costing and the reconciliation of all accounts.

Billing

The Billing section is supervised by an Accountant IV with a staff of twelve (12) consisting of one (1) Accountant II, two (2) Customer Relations Assistants and three (3) Customer Service Representatives I, all working together to maintain a database of over 22,400 customer accounts. In addition, there are three Field Collection Clerks/Meter Readers (FCC/MR) with one supervising FCC/MR performing meter reading functions and various field activities in connection with water services:

- Water meters are read monthly, and the water bills are also sent out monthly.
- Mailed in payments are processed through a lock box located outside the DOW.
- Automatic bill payment (ABP) is an option for customers to pay their water bills. This requires customers to set up their ABP at the DOW Fiscal/Billing/ Customer Service window.
- Customer online payment is available with the use of a credit and debit card

by creating an account with a username and password at the Customer Account Portal by logging in at www.kauaiwater.org.

- a. Conducts monthly and as needed meter reading of the DOW customer's island wide.
- b. Provides timely billing, collection, accounting, and deposits of DOW receipts from customer payments of water bills and miscellaneous receipts.
- c. Process meter applications and applications for new services.
- d. Assist customers with their inquiries on billing, payments, water usage, leaks, meter profile and other billing matters.
- e. Maintains records of accounts receivable.

Program Highlights

- a. Revenues of \$27.7M consisted of water service sales, fire hydrants maintenance and miscellaneous non-water revenue.
- b. Capital contributions of \$4M consisted of state grants, conveyances and FRC collections from new waterline connections.
- c. The DOW provided water service to approximately 22,400 active customer accounts with annual water usage totaling 3.52 billion gallons. Water sales revenues for FY21 amounted to \$ 25.3M.
- d. Operating expenses and debt service for FY21 was \$32.1M; \$3.2M of which was for debt service, \$7.1M for depreciation costs, \$1.24M for bulk water purchases, \$2.2M for hydrant maintenance and electrical power purchased for pumping cost \$2.36M.

A summary of changes in the physical assets of the DOW is attached

Kauai County - Department of Water
June 30, 2021

Utility Plant Additions

Date	Job / Work Order	Description	Asset	Amount
06/30/21	Job 20-21	Koloa Well D	Derrick's Well	108,650.00
			Wells & Springs	108,650.00
06/30/21	Conveyance	Mechlem Revocable Trust, Richard Waalani, Michael Dahlig at al	Transmission & Distribution Mains	92,392.20
06/30/21	Conveyance	Kulana Association of Apartment Owners	Transmission & Distribution Mains	849,164.25
06/30/21	Conveyance	Kulana Condominium	Transmission & Distribution Mains	333,343.86
			Transmission & Distribution Mains	1,274,900.31
06/30/21	Conveyance	Mechlem Revocable Trust, Richard Waalani, Michael Dahlig at al	Single Service Laterals	20,610.00
06/30/21	Conveyance	Kulana Association of Apartment Owners	Single Service Laterals	42,000.00
06/30/21	Conveyance	Carswell/Spalding Partnership	Single Service Laterals	17,500.00
06/30/21	Conveyance	Bruce Mathew Martin Trust	Single Service Laterals	17,200.00
06/30/21	Conveyance	Koloa Village LLC	Double Service Lateral	97,086.00
06/30/21	Conveyance	Kulana Association of Apartment Owners	Double Service Laterals	31,500.00
06/30/21	Conveyance	Kulana Association of Apartment Owners	Triple Service Lateral	12,000.00
06/30/21	Conveyance	Waimakua Homestead LLC	Quad Service Lateral	23,025.44
06/30/21	Conveyance	Koloa Village LLC	Compound Meter Lateral w/ RDPA	88,581.00
06/30/21	Conveyance	Mechlem Revocable Trust, Richard Waalani, Michael Dahlig at al	Compound Meter Lateral w/ RDPA	18,930.00
06/30/21	Work Orders	Service Laterals	Service Laterals	55,821.48
06/30/21	Work Orders	Service Laterals w/ meter instalation	Service Laterals w/ meter instalation	39,869.09
			Service Laterals	464,123.01
06/30/21	Work Orders	New Meter Installations	Meters	37,608.62
06/30/21	Work Orders	Meter Replacements	Meters	1,167.79
			Meters	38,776.41
06/30/21	Conveyance	Koloa Village LLC	Hydrants	15,864.00
06/30/21	Conveyance	Waimakua Homestead LLC	Hydrants	25,108.75
06/30/21	Conveyance	Kulana Association of Apartment Owners	Hydrants	121,500.00
06/30/21	Conveyance	Kulana Condominium	Hydrants	97,186.00
06/30/21	Work Orders	Replacement Hydrants	Hydrants	30,172.35
			Hydrants	289,831.10
			Total Utility Plant Additions	2,176,280.83

Kauai County - Department of Water

June 30, 2021

General Plant Additions

Date	Description	Vendor	Cost
08/27/20	Dell XPS 15 7000 - 7500 Laptops	Dell Computer	\$10,981.12
09/30/20	Badger Meter Trimble Ranger	Badger Meter	\$7,597.68
12/30/20	Dell Optiplex 7080 MFF BTX	Dell Computer	\$2,393.72
02/01/21	PowerEdge R740XD Server and rapid backup	ZR Systems	\$14,961.10
02/28/21	Dell Latitude 3500 Computers	Dell Computer	\$1,812.17
02/28/21	Dell Latitudes 5420 Computers	Dell Computer	\$8,559.04
02/28/21	Dell Computers	Dell Computer	\$2,643.49
04/08/21	Microsoft Surface Pro 7	1st Hawaiian Bank	\$5,648.16
06/28/21	Dell Optiplex Micro Computers	Dell Computer	\$33,079.16
		Computer Hardware	87,675.64
04/29/21	Sewage Lift Station Control System	XIO, Inc.	22,120.00
		Structures & Improvements - General Plant	22,120.00
10/12/20	Takeuchi Compact Excavator TB-250-2RA	Allied Machinery	68,497.35
05/31/21	Multiquip Generator on Trailer Ser#76013	Allied Machinery	99,685.82
		Power Equipment	168,183.17
09/30/20	Trimble Ranger	Badger Meter	7,597.97
		Tools	7,597.97
09/30/20	2021 16k Tilt Deck Felling Trailer CK867	HT&T Trucks	\$19,685.86
09/30/20	2021 16k Tilt Deck Felling Trailer CK868	HT&T Trucks	\$19,685.86
09/30/20	2021 16k Tilt Deck Felling Trailer CK869	HT&T Trucks	\$19,685.86
01/22/21	2021 Ford F-150 Pickup CK2568	Windward Ford	\$54,035.88
02/01/21	2020 Ford 550 Pickup CK2569	Cutter Ford	\$157,142.35
03/31/21	2021 Peterbilt 348 Tractor	HT&T Trucks	\$155,444.96
04/29/21	2020 Ford F450 4X4 Pickup - white	Windward Ford	\$84,012.12
		Transportation Equipment	509,692.89
		Total General Plant Additions	795,269.67

Kauai County - Department of Water
June 30, 2021
Intangible Asset Additions

Date	Description	Vendor	Cost
11/25/20	Windows Platform ESD Software	SHI	\$18,188.85
	Total (Software) Intangible Asset Additions		18,188.85

Kauai County - Department of Water

June 30, 2021

Retirements and Abandonments

Asset Description	Asset ID		Cost Basis
Dell Optiplex 9030 AIO CTO	ITLSE2016	1	\$1,294.07
Dell Precision T3500	ITLSE2013	8	\$2,226.71
Dell Precision T3500	ITLSE2013	9	\$6,161.53
Optiplex 160 Tiny Desktop	ITLSE2013	10	\$1,072.28
Dell Precision T3500	ITLSE2013	11	\$2,851.39
Dell Computers	ITLSE2013	12	\$9,831.05
Dell Computer	ITLSE2013	13	\$1,161.57
Dell Precision Silver M6500	ITLSE2013	16	\$3,204.12
Dell Precision T1500 Workstation	ITLSE2013	18	\$1,628.58
Optiplex 360 Desktop	ITLSE2013	19	\$3,800.03
	Capital Leases		\$35,644.45
General Plant			
LIN-K27072 Lincoln 145 Series Welder	FURN2012	12	\$2,301.03
	Furniture		
Power Supply, B/U, APC SMART UPS	HARD2002	1	\$438.22
Monitor, 1U, Flat Panel, Keyboard/Mouse	HARD2003	3	\$1,544.69
Rack, InfraStruXure, ISX067479-004	HARD2005	1	\$7,279.64
Dell Laptops	HARD2012	3	\$4,131.56
APC SMART-UPS SMX3000RML V2U LIN	HARD2012	6	\$4,559.35
Dell Latitude Computers	HARD2013	6	\$5,140.60
Cisco Server	HARD2013	10	\$3,801.84
	Hardware		\$26,895.90
2000 4x4 Nissan Std Pick Up,CK1636	TRSEQ2000	1	\$20,768.46
2001FordTaurusSel4DSD,CK1678	TRSEQ2001	1	\$21,799.86
ZmanTrlr,EmrgncyResponseTrlr,CK583	TRSEQ2001	3	\$7,877.36
2003 Ford Ranger XLT 4x4 P/U, CK1758	TRSEQ2003	1	\$23,487.63
Add., CK1766, Delta Compact Mid Lid Box	TRSEQ2003	6	\$270.82
CK2420, '05 GMC C5500 Dump Truck	TRSEQ2005	3	\$63,379.01
CK1888, 2006Jeep Liberty Sport	TRSEQ2006	2	\$23,572.75
CK1957 2007 Ford MPVH	TRSEQ2008	1	\$25,332.95
CK1958 2007 Ford Ranger P/U w/ Cab, Whit	TRSEQ2008	2	\$24,227.27
CK1973 2007 FordRanger1FTZR45E87PA98284	TRSEQ2008	8	\$24,822.76
CK2048 DC to AC Electr Invrtr in Cab	TRSEQ2009	4	\$1,159.75
CK2049 DC to Ac Electr Invrtr in Cab	TRSEQ2009	5	\$1,159.75
CK2048 2008 Ford F-450	TRSEQ2009	7	\$73,529.73
CK2049 2008 Ford F-450	TRSEQ2009	8	\$73,529.73
	Transportation Equipment		\$384,917.83
	Total General Plant		\$414,114.76
Wells			
Koloa Well D		Wells	\$56,071.49
Meters			
3 replacement meters		Meters	\$809.65
Hydrants			

Replace Hyd. Kaulana Rd.	C201113		\$2,015.13
Replace Hydrant - Olehena Rd.	C201621		\$849.25
Replace Hydrant - Ha'aheo & Kahiko Rd	C201722		\$880.74
Replace Hydrant - Kanahele Rd.	C210004		\$924.04
Replace hydrant Molo St.	C210206		\$1,044.51
Replace hydrant Molo St.	C210233		\$997.62
Replace hydrant Lokelani Rd. & Kiowai Pl.	C210234		\$995.77
4/13/21- Replace old Hydrant	C210538		\$881.61
4/13/21- Replace Hydrant	C210544		\$881.61
5/18/21- Replace old leaking hydrant	C210765		\$856.09
		Hydrants	\$10,326.37
Service Laterals			
Replace SSL 4660 Palila Lp. in Kekaha	C201198		\$1,864.97
Replace SSL 356 Muilana Rd. Wailua.	C201206		\$1,971.28
Replace SSL 4158 Hili St, Lihue	C201236		\$1,586.98
Replace SSL at 4591 Mimo Rd. Eleele	C201249		\$1,489.29
Replace DSL 4635 Laukona St, Hanamaulu	C201326		\$864.64
Replace DSL 2843 Pikake St, Lihue	C201329		\$811.97
Replace SSL 4519 Puna Rd in Hanapepe.	C201380		\$809.09
Replace SSL Weke Rd & Aku Rd, Hanalei	C201442		\$2,094.25
Replace SSL 5783 Koali St in Wailua	C201454		\$974.74
Replace SSL at 3514a Waha Rd in Kalaheo.	C201464		\$1,797.87
Upgrade DSL 3394 Hina Hina Rd, Lihue	C201660		\$1,434.80
Replace SSL 3009 Peleke St, Lihue.	C201664		\$1,179.94
Upgrade Service Lateral 8671 Kiowea Rd, Kekaha	C201792		\$1,161.87
Upgrade Service Lateral Sheraton Kauai Bldg. 3	C201824		\$3,320.42
Upgrade Service Lateral 4707 Pelehu Rd, Kapaa.	C201855		\$1,251.27
Upgrade Service Lateral 4737 Powerhouse Rd.	C201982		\$2,274.02
Upgrade Service Lateral 4517 Kala Rd.	C202036		\$1,841.97
Upgrade SSL 3121 Lauoho RD	C210280		\$727.89
		Service Laterals	\$27,457.24
		Total Utility Plant	\$94,664.75
		Total Retirements and Abandonments	\$544,423.96






Annual Report - DOW FY20-21 (09-07-21)

Final Audit Report

2021-09-08

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