



Annual Report for Fiscal Year 2018-2019

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”



Derek S. K. Kawakami
Mayor



Bryan Wienand, P.E.
Manager and Chief Engineer

DEPARTMENT OF WATER

COUNTY OF KAUAI

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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 2019 fiscal year ending June 30, 2019. This report includes: a description of each program, objectives, and accomplishments of the Department of Water (DOW), design and construction projects completed and in progress, operations reports, the DOW's financial status, and changes in physical assets. Because the DOW derives all of its revenue from water service sales, it has no direct subsidies or contributions from the Kaua'i County General Fund.

In FY 2019, the DOW maintained operations, managed over \$19 million of Water Plan 2020 projects and fifty-two (52) private projects, and continues to progress in utilizing the Build America Bond (BAB) fund. We completed construction of the Kōloa Wells 16A and 16B MCC, Chlorination Facilities, Site, and Building Improvements Project as well as the Hanapēpē-Ele'ele Booster Pump Replacements Project. Construction is ongoing for the Drill and Test Kapa'a Well No. 4 and Drainage Improvements Project, as well as the Hanapēpē-Ele'ele Water System Improvements Projects, which includes the Hanapēpē Road 6-Inch Main Replacement and the Kaumuali'i Highway 16-Inch Main and Emergency Booster Pump Connection Project. In Fiscal Year 2020, we anticipate construction will commence for the following three projects: Rehabilitate Paua Valley 0.5 MG Concrete Tank No. 1, Demolition of Kukui'olono 0.2 MG Tank, and the Kīlauea Wells No. 1 and No. 2 MCC, Chlorination Facilities.

In June 2019 the DOW released its new, highly-anticipated Customer Service Portal, a new online service that offers customers convenient access to their account information, payment history, billing statements and an online payment option to make bill payments using a credit or debit card. The DOW also initiated work on a one-of-a-kind Island-Wide Vulnerability and Resiliency Assessment. This assessment will identify and prioritize mitigation actions to enhance our preparedness for hurricanes and extreme events, as well as our recovery capabilities. We also initiated a Master Plan for the DOW Baseyard in Līhu'e, aimed at maximizing the utilization of the existing baseyard facilities and providing future-focused solutions for the Department's growing needs.

The BWS and the DOW extend our gratitude to Governor David Ige and the Hawai'i State Legislature for the \$14.0 Million in Capital Improvement Projects appropriated by the State for the BWS for three priority projects: 1) Kīlauea Wells No. 1 and No. 2 MCC, Chlorination Facilities 2) Rehabilitate Paua Valley 0.5 MG Concrete Tank No. 1, and 3) Kalāheo Water System Improvements Project (Packages A, B, C). The DOW continues to strive for excellence and continuous improvement in its efforts to provide safe, affordable, and sufficient drinking water to the people of Kaua'i with excellent customer service.

Sincerely,

Thomas Canute
Chairperson



**ANNUAL REPORT
FISCAL YEAR 2018 – 2019**

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 form, 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 for adequate funding in the future, the DOW will periodically study its water service rates and it’s Facilities Reserve Charge (FRC). The FRC is a fee to be 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, Thomas Canute was appointed as Board Chairperson for calendar year 2019. The BWS also appointed Laurie Ho as Vice Chairperson and Ka`aina Hull as Board Secretary.

	<u>Term Expires</u>
Laurie Ho , Vice Chairperson	12/31/19
Thomas Canute , Chair	12/31/19
Elesther Calipjo , (Board Member)	12/31/21
Kurt Akamine (Board Member)	12/31/21
Lawrence Dill (State District Engineer).....	(ex-officio)
<i>Vacant</i> (County Engineer).....	(ex-officio)
Ka`aina Hull (Planning Director & Board Secretary).....	(ex-officio)

1. 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)

The Board shall appoint an engineer duly registered under Hawai'i State laws pertaining to registration of engineers. He shall be known as the Manager and Chief Engineer, and shall be the head of the Department. He shall have the powers and duties prescribed by the Board.

For FY18-19, the DOW funded one hundred and eight (108) positions, including positions that were partially funded and six (6) summer interns. There were twelve (12) new hires. Included in these personnel activities, there were thirteen (13) promotions, four (4) transfers, one (1) re-described position, five (5) retirements, and four (4) resignations.

The DOW recognized its 2018 Employees of the Year, Eric Fujikawa of the Engineering Division and Kevin Pongasi from the DOW's Operations team.

There are six (6) divisions under the management of the Manager and Chief Engineer.

1. ADMINISTRATION DIVISION

Under the Manager and Chief Engineer, the administrative staff included sixteen (16) positions of which fifteen (15) were budgeted for FY18-19. 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 six (6) divisions.

Current Staff:

Bryan Wienand, P.E. – Manager and Chief Engineer

Vacant – Deputy Manager-Engineer

Vacant – Civil Engineer VII

Mahealani M. Krafft – Deputy County Attorney
Mary-jane Akuna – Private Secretary
Vacant – Secretary
Debra Peay – Human Resources Coordinator
Chrysanthemum Ererita- Departmental Contracts Officer
Edith Ignacio-Neumiller – Commission Support Clerk
Margie Mills – Program Support Technician I
Brandi Lynn Ventar – Senior Clerk
Jonell Kaohelaulii – Information and Education Specialist
Jason Fujinaka – Information Specialist I
Vacant – Waterworks Information Technology Officer
Sandi Nadatani-Mendez – Information Technology Specialist III
Darrell Acob – Computer Systems Support Technician I

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, information technology (IT), 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 IT 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 monthly staff meetings and weekly Division Head/Lead meetings to ensure all employees are aware of new or amended rules and regulations as well as various issues 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 to support the duties that need immediate assistance on a daily basis, which

allows the Department to function without interruptions when clerical or administrative support is needed 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 FY18-19.

Board of Water Supply Items

- a. Approved funding requests in support of training efforts and staff reorganization.
- b. The Board approved the DOW’s FY18-19 operating budget of \$20,336.84, contracting eighteen (18) new contracts and the following agreements:
 - Large Power Secondary Service for Kōloa Wells 16Z & 16B (*Kalaheo – Kōloa Water System*)
 - Perpetual Non-Exclusive Easement with an Immediate Management and Construction Right-of-Entry Permit to the Board of Water Supply, County of Kaua‘i for Water Pipeline and Access Purposes for TMK (4) 1-9-007: Portions of 007 (*Waimea – Kekaha Water System*)
 - Land Exchange Agreement between Bank of Hawai‘i, Trustee of the Kukuilono Park Trust Estate and the Board of Water Supply, County of Kaua‘i for the Kukuilono Site (*Kalaheo – Kōloa Water System*)
 - Memorandum of Agreement between the Director of Finance, County of Kaua‘i and the Board of Water Supply, County of Kaua‘i for the Kukuilono Site Assessment and Cost Sharing (*Kalaheo – Kōloa Water System*)
 - Memorandum of Agreement between the Department of Health Safe Drinking Water Branch and the Department of Water, County of Kaua‘i for the procurement and expenditure of public funds in the amount of \$20,000 for the Hawai‘i Waterworks Conference held on Kaua‘i from November 7-9, 2018.
- c. Rule Changes
 - None

d. Water Service Rates

- Four (4) water service rate increases were implemented on January 1, 2012 and every July 1st thereafter for fiscal years 2013, 2014 and 2015. There were no scheduled water service rate increases for FY16-17 which was the last of the five (5) years in the water rate study. In FY18-19, there were no scheduled water service rate increases. The Department continues to use the last rate structure which was effective on July 1, 2014, while working with Raftelis Financial Consultants, Inc. in for the Financial Management Planning and Water Rate Analysis for the next five (5) years.

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 and is being hindered because overtime is sometimes needed to cover essential functions as a result of reorganizations that have taken years to complete.
- 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. Trainings completed in FY18-19 include:
 - Project WET Conference
 - Hawai'i Rural Water Association Conference Training
 - Pacific Water Conference Training
 - American Waterworks Association Conference Training
 - Active Threat Training
 - Skillpath Workshops and Webinars

Information Technology

Program Description

The Information Technology (IT) Section, within the Administration Division maintains databases for the DOW core Financial (Great Plains), Billing (CC&B), and Maintenance Management Systems (M-PET). The IT section is also responsible for maintaining and updating all applications including SharePoint, Exchange and Water Plan 2020 databases. The staff of three (3) supports the DOW's Business and SCADA Local Area Networks, website development, network maintenance and troubleshooting, and has been instrumental in moving the Geographic Information System (GIS) program forward. The IT section maintains the DOW's phone system, which resides on the DOW's network as a Voice over IP Phone System (VoIP). In Fiscal Year 2019 a 5-year I.T. Strategic Plan was initiated and completed, resulting in a recommendation for I.T. to become its own standalone division. The proposed reorganization, which includes the addition of an I.T. Specialist III position, was approved by the Board of Water at the June 28, 2019 Board meeting and is pending formal approval with the Department of Human Resources.

Program Highlights

The Customer Care and Billing System (CC&B) began its 6th year and IT continues to support the Billing Section on a daily basis. IT created a dedicated (encrypted) virtual private network (VPN) connection that is always up and made available to more of the Department's staff. There are now approximately fifty (50) users connected to CC&B system where previously it was limited to only the Billing staff. This dedicated line also makes for a quicker connection for our customer support staff. This project also includes maintaining all peripherals, including new printers, receipt printers, meter reader laptops, and hand held devices.

The DOW uses cloud services to host the Billing System, which includes services for customers to view bills online. The Billing System was implemented in the cloud and went live in September of 2017. The Department executed a multi-year professional services contract for cloud-hosted support services in January, 2019 to support the Billing system. With assistance from the consultant, the Department launched a new Customer Account Portal on June 21, 2019. The portal offers customers convenient access to their account information, payment history, billing statement and also includes an online payment option for customers who prefer to make bill payments using a credit or debit card.

IT currently maintains a SharePoint server that currently contains several portals for use across the Department. There are portals for the Construction Management (CM) Division, Engineering, Fiscal, and water system maps (As-Built drawings). Documents for a number of on-going projects can now be quickly located. The SharePoint server is available remotely allowing for the CM Division to integrate their daily work flow out in the field. An inspector can journalize and upload their journal/photos file directly into the SharePoint portal from the construction site.

IT produces the DOW's Water Quality Reports (Consumer Confidence Reports), which is also available online.

New 5-year IT Strategic Plan

A new 5-year I.T. Strategic Plan (ITSP) was developed and completed between September,

2018 and May, 2019. The ITSP identified 12 main initiatives for the next 5-years:

1. Replace M-PET with a GIS-based Work Management System
2. Review and Align Billing System Configuration
3. Upgrade SCADA and Replace Servers
4. Upgrade Financial Information System
5. Develop GIS Technologies and Processes
6. Maintain and Support Hydraulic Model Software
7. Core I.T. Infrastructure Upgrades
8. Procure Emergency Communication Equipment
9. SOPs and Proficiency Testing Program
10. Improve use of SharePoint
11. Expand the I.T. Section into a Division to Support DOW's growing needs
12. Develop User Groups

Staff completed initiative #8, "Procure Emergency Communication Equipment" and the Board of Water Supply also approved funding for the creation of a new position in I.T. at the June 28, 2019 Board meeting. Funding was also approved for Fiscal Year 2020 for the following items:

- \$230,000 for the Purchase of a Replacement Asset Management System
- \$270,000 to Upgrade SCADA and Replacement of Servers
- \$295,000 for SharePoint Upgrades
- \$315,000 to Develop GIS Technologies, Processes, Web-based GIS viewer and Mapping Layers
- \$150,000 for Financial System Upgrades (upgrade Great Plains 2013 to Great Plains 2018 and upgrade of Paramount WorkPlace with As-Needed Technical Services)

These strategies are based on the DOW's current needs, the significant progress made against recommendations in the previous 2013 ITSP and an analysis of the current situation. Staff from Brio Consulting compiled the 2013 ITSP and assisted DOW with design and implementation of the finance and accounting system during 2014 through 2016. The same Brio staff have worked with DOW management to compile this ITSP. DOW staff did an admirable job implementing most of the recommendations from the 2013 ITSP. It's worth noting that the most significant of the 2013 recommendations were completed. Those include implementation of a new chart of accounts, finance system, supporting procurement system, a web-based project management system, and foundation for an enterprise GIS. One important initiative recommended in 2013 that was partially completed is the implementation of SharePoint as DOW's document management system. This recommendation is amended in the 2019 ITSP to account for the progress made to date. An important recommendation of the 2019 ITSP is implementation of a GIS-based computerized maintenance management system. DOW's efforts over the past six years to establish a GIS with all underground assets, appropriately and accurately mapped, sets the stage for this important next step.

Vision for the New I.T. Strategic Plan

The DOW intends to use information technology to improve its effectiveness and efficiency, maintain good customer service, help plan for future rehabilitation, repairs and improvements and provide reliable safe drinking water. The vision for IT over the six-year

planning horizon is as follows:

- Manage our work, assets, projects and materials professionally and collaboratively
- Provide excellent customer service and maintain accurate and complete billing records
- Use technology to operate effectively and efficiently and to make evidence-based decisions
- Understand and follow our processes
- Know how to use our technologies to best support our processes
- Build partnerships between users and IT staff, and work as a team
- Develop an IT organization with the resources needed to provide valued advice and great support

Public Relations

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, perform, and expand the DOW's public information and community outreach initiatives. This involves detailed coordination of promotional community events, and presentations and advertisements formats that highlight the DOW in a positive and professional way. This also involves establishing community relations and coordinating community outreach and educational programs on water conservation, source water protection, and general water system service operations. PR achieves its main objective through the careful development and dissemination of accurate and timely public information to customers regarding the DOW's complex water systems. The PR section coordinates and conducts its successful program with assistance and involvement from all divisions at the DOW.

Personnel

The PR section is managed by the Department's Information & Education Specialist and assisted by the Information Specialist I position, which had been vacant since mid-June 2017. Recruitment, interviews and candidate selection was completed for the Information Specialist I position and was filled on July 16, 2018.

Program Highlights

The PR activities of note during FY18-19 include the following:

a. Project Water Education for Teachers (WET) Program

The Project WET program continues to provide valuable curriculum and partnership opportunities for the DOW's PR program. PR utilizes the Project WET curriculum as a supplement to the water educational displays and presentations during outreach efforts at schools, public meetings and community events. The DOW continues to serve as the state's host institution for Project WET Hawaii. The Information and Education Specialist is also the program's state coordinator, overseeing a network of certified Facilitators that help to manage the neighbor island requests for Project WET presentations.

PR conducted two (2) facilitator certification workshops this year, adding (5) five additional certified volunteers to the statewide program, thereby reaching its goal to expand its current facilitator network to Hawai'i Island and Maui. One (1) additional educator workshop was held by the Facilitator team on O'ahu in March 2019.

In addition, the DOW's Project WET program included PR's coordination of the 15th Annual Make a Splash with Project WET Festival held on September 20, 2018. The festival gathered approximately 650 fifth-grade students ranging from public, private, charter and home school participation. DOW's community partnerships, staff and the Board of Water Supply, County of Kaua'i board commissioners' educated students on the importance of water through interactive water education activities.

b. Community Outreach & Education

Kekaha School STEAM Night – PR participated as an exhibitor for the Kekaha Elementary School's Science, Technology, Engineering, Art and Math (STEAM) Night on March 13, 2019 at Kekaha Elementary School. PR presented a water conservation exhibit, with focus on the DOW's upcoming Fix a Leak Week event in March. The exhibit challenged families to complete math equations, and learned about water quality. Approximately 75 families participated. PR also handed out Fix a Leak Week kits and shower timers at the event.

Ele'ele Elementary School's STEM Night – PR participated as an exhibitor at the Science, Technology, Engineering and Math (STEM) Night event at Ele'ele Elementary School on January 25, 2019. PR featured it's popular Water Math exhibit offering students and parents an opportunity to learn about how much water is used and how much can be saved by making small changes to their daily routine. Participants received Project WET activity booklets, water bottles, pencils and shower timers to the community at the event.

Fix a Leak Week – PR coordinated the DOW's Fix a Leak Week campaign from March 18-22, 2019. Fix a Leak Week is part of the Environmental Protection Agency's (EPA) Water Sense program that encourages Americans to help put a stop to the more than 1 trillion gallons of water wasted from household leaks each year. PR promotes this important awareness event annually to support the DOW's conservation program goals and provide educational tools and resources to its customers and the general public. The awareness week includes a free giveaway of Fix a Leak kits containing: leak detection tablets, a toilet flapper, and a garden hose nozzle, water saving tips and a customer information card with important DOW numbers. PR also utilized radio advertisements and social media efforts to promote conservation. A total of 206 kits were given away during this campaign period. PR will continue to seek focus on customer awareness events to promote conservation within the community.

Educational Presentation at Kanuikapono – PR coordinated a water resource management and water quality presentation for the 6th to 12th grade students at Kanuikapono Public Charter School in Anahola on April 6, 2018. Students engaged in water quality discussions with DOW's Microbiologist V and PR as part of their project research. PR donated a water shed kit to the school's Hawaiian studies class to assist in their project.

Ag Day – PR participated as an Exhibitor at the Agriculture and Environmental Awareness Day, held on April 25, 2019, at the Wailua Research Station of the UH- College of Tropical Agriculture and Human Resources. With assistance from DOW’s Microbiologist V, PR provided an interactive exhibit about water quality, groundwater and conservation. Approximately 350 students attended the event.

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 its radio buys to promote conservation tips and other promotional advertising that benefitted the DOW.

PR coordinated radio advertisements and a live on-air interview to promote water conservation messages during the month of March to coincide with Fix a Leak Week and Groundwater Awareness Day.

PR promotes water conservation through editorial and half page advertisements in the Kaua’i Family Magazine, a quarterly publication that is distributed island-wide; including through the Department of Education’s public and private schools. The publication’s target demographic is Kaua’i families with children. The DOW’s advertisement and editorial included water conservation tips, leak detection, water education through Project WET, seasonal water saving tips and 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 SWCDs to support environmental and conservation education. Members of the SWCD volunteered for the DOW’s Make a Splash with Project WET Festival. PR once again submitted an article for the East and West Kaua’i SWCD’s annual report.

Salvation Army Angel Tree Program – The DOW participated in the Salvation Army Angel Tree Program in December 2018 and donated a total of (forty-five) 45 gifts.

2018 Spring Food Drive – DOW’s Account Clerk coordinated the DOW’s participation in the county’s annual Spring Food Drive for the Kaua’i Independent Food Bank with the assistance of members from Fiscal and Admin division. The DOW collected a total of 709 pounds of food and funds; placing DOW in 1st place out of the 9 other participating county departments.

Kaua’i Visitor Industry Charity Walk – PR coordinated the DOW’s sponsorship and participation of water station service at the 2019 Visitor Industry Charity Walk on May 11, 2019. The DOW provided a drinking water refill station at the popular community event. Set up assistance was also provided by DOW’s former Waterworks Inspector II, the PR team and DOW’s Manager and Chief Engineer.

2019 Mayor-a-Thon – PR coordinated the DOW’s drinking water sponsorship for the Mayor-a-Thon event held on June 22, 2019. With additional assistance from DOW’s former Waterworks Inspector II and the PR team, the DOW served water and provided a rest station for participants at the event.

e. Community Meetings

PR coordinates public meetings to cultivate community relations and provide an opportunity for the Department to present water service announcements and/or project information to its customers. This year PR organized a community meeting for the Hanapēpē–Ele’ele Water System Improvements Project on August 1, 2018 held at the Hanapēpē Neighborhood Center. The meeting was led by DOW’s Chief of Construction Management with supporting presentations by DOW’s Manager and Chief Engineer and the DOW’s Engineering Division Head.

f. Construction Project Blessings and Dedications

PR assisted the DOW’s Chief of Construction Management with planning and coordination of three (3) blessing ceremonies this year. The projects included the Kapa’a Homesteads Well No. 4 project, the Ele’ele Booster Pump project and the Hanapēpē–Ele’ele Water Systems Improvement project.

g. Conferences

PR attended the 2018 Joint Government Water Conference on August 2, 2018 at the Kaua’i Beach Resort. The Information & Education Specialist presented a brief presentation during lunch to promote the DOW’s Make a Splash Festival and Project WET programs.

PR participated as the concurrent session speaker for the 57th Annual Hawai’i Water Works Association Conference held on Kaua’i on November 7-9, 2018 at the Kōloa Landing Resort. Our Information & Education Specialist provided an activity presentation from Project WET to promote the state-wide program benefits and spoke about the importance of water education and community relations within the water industry.

PR participated as a concurrent session presenter and speaker for the 2019 Water Pacific Conference held on O’ahu on February 19-22, 2019 at the Hawai’i Convention Center. Our Information & Education Specialist spoke on the benefits Project WET program and shared the success of DOW’s implementation of its award-winning curriculum to promote water education within the community as part of its public relations efforts. Opportunities for state-wide certified training workshops were also provided.

h. Employee Relations

PR helps to foster positive employee relations through participation opportunities throughout the year. Efforts include invitation to attend and speak at community outreach events such as career day and community presentations. PR also researches and publishes a monthly newsletter highlighting DOW staff achievements, promotional information on future and past employee events, displays staff photos, notices, etc. In addition to Departmental emails, the employee newsletter plays an important role in

staff communications within the Department. Additional employee relations efforts include:

PR participates in the Department's Employee Recognition Committee and assisted in the coordination of the Employee Recognition Celebration event held on January 18, 2019.

PR hosted educational staff presentations to provide insight on Departmental operations of all seven divisions, groundwater education and to reinforce employee commitment to the DOW's mission statement.

PR participates in the DOW's Employee Fun Committee and serves as a Department representative on the County of Kaua'i's Employee Council committee.

i. Career Days

To promote the various careers within the DOW, PR continues to expand its employee participation for community events, such as career day. With assistance from Water Quality and Administration staff members, PR participated in the Career Day presentations for Wilcox Elementary School, King Kaumuali'i Elementary School, and Ele'ele Elementary School this year.

j. Media Features

The DOW received multiple features in the Garden Island Newspaper and local state news stations during the months of April, August and September about weather events surrounding the "April flooding" and Hurricane Lane. The DOW reported on water conservation, water quality, emergency preparedness and water service issues during these events and maintained vital communications within staff, emergency operations center and with our customers to provide necessary updates and awareness on DOW's services.

The DOW was featured in Trade Publishing's Construction Preview 2019 Magazine. A list of expected projects for 2019 and a synopsis of the DOW's 2019 construction projects were featured. Construction Preview 2019 was published in mid-January 2019.

PR designed advertisements and wrote editorials for all of Kaua'i Family Magazine's publication issues from July 2018 to June 2019. Ads and editorials were focused on water conservation messages and were aligned with the DOW's conservation program.

k. Increased Social Media Presence

PR continues to utilize the DOW's social media pages for public communication. By the end of June 2019, there were 1,680 followers on Facebook and 1,116 followers on twitter. Based on the likes and shares received on Facebook, social media followers utilize the DOW's page to monitor service notices such as shutdowns, emergency outages, etc.

In 2019, PR updated DOW's Facebook page features to include the use of the "Services" tool, a section of the page that offers a list of services. Services include Water Emergency Preparedness information, new water bill layout information and information on the new Customer Account Portal. PR also introduced new DOW-branded Facebook graphics to announce holiday office closures.

2. WATER RESOURCES & PLANNING DIVISION

Program Description

The Water Resources and Planning Division (WR&P) is responsible for the planning and outreach needed to provide current and future customers with high quality service in alignment with the Department’s Mission. The program conducts long-range planning, research and analytical assessment, investigation, analysis and review of the Department’s water systems infrastructure and provides guidance to proposed developments’ water system planning (subdivision, zoning, and land use amendments, resorts, hotels and hotels, etc.) to ensure compliance with the Department’s Rules and Regulations and Water System Standards. In addition, the program maintains the engineering records and provides mapping/drafting services to support the Department.

Current Staff:

Edward Doi, P.E. – Chief of Water Resources & Planning

Michael Hinazumi, P.E. – Civil Engineer VI

Regina Flores – Civil Engineer III

Keith Konishi – Engineering Support Technician IV

Cleve Shigematsu – Engineering Drafting Technician III

Vacant – Civil Engineer III

Vacant – Civil Engineer II

Program Objectives

- a. Conducts long-range planning, research and analytical studies of water usage to monitor and forecast the anticipated water system, 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. Maintain maps and records of the Department’s water infrastructure.

Program Highlights

- a. In FY18-19, WR&P has reviewed and processed the following number of applications and requests for water service:
 - Subdivisions, Zoning, Use Permit, Land-Use, GPA/Z, ADU Clearance191
 - Water Service Inquiries/Water Meter Requests.....433
 - Building Permits1,039



- b. WRP continued to administer approved Water Mater Plans for Kukui'ula Development Company, Grove Farm Līhu'e-Puhi Project and the water master plan for the former AMFAC/JMB Līhu'e Hanamā'ulu Master Planned Community Development.

This division also assisted consultants in the preparation and review of the Waiahi Surface Water Treatment Plant Plan Upgrades and the Hokuala Master Plan.

- c. WR&P continues to utilize and amend Water Plan 2020, adopted in 2001, as a long-range financial and facilities plan to use as a basis for the DOW's CIP/Capital Replacement Projects (CRP) program.
- d. WR&P assisted in the preparation, adoption, and implementation of the November 2015 amendments to Part 5 Facilities Reserve Charge (FRC), Section III Applicability of the DOW's Rules and Regulations.

The division developed several policies to address the amendments and continues to review and update the DOW's water meter restrictions.

- e. WR&P continues to assist in the DOW's annual water conservation programs. These include the DOW's public education campaign for water conservation.
- f. WR&P continues to assist with new water service applications as well as provide support to management, operations, fiscal and engineering divisions including assistance with the CIP implementation of WP2020 projects.
- g. WR&P remains responsible for the planning and implementation of capital improvement source development, storage and transmission mainline projects as assigned by the Manager and Chief Engineer.
- h. 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, 2019 there were 1,642 approved backflow devices. WR&P supported Fiscal's efforts to require the installation of backflow devices in order to qualify for the DOW's agricultural water service rates.
- i. WR&P continues the scanning of maps and other records onto the DOWs SharePoint document imaging program for internal efficiency.
- j. WR&P participated in community meetings with various drought and watershed groups. WR&P continues to assist Kaua'i's local Drought Committee to develop County mitigation strategies and drought mitigation projects for Kaua'i. WR&P supports the activities of the Kaua'i Watershed Alliance (KWA) that included a DOW \$200,000 grant to their coordinators, the Nature Conservancy for the continued maintenance and conservation efforts to protect Kaua'i's watersheds.
- k. WR&P continues to coordinate and administer the United States Geological Survey (USGS) cooperative research program that studies the ground water levels for the Līhu'e-Kapa'a areas. WR&P also administered the University of Hawai'i Office of

Research Studies, “Projecting Future Rainfall Variations for Kaua’i project.” The scope of work involves projecting future rainfall and evapotranspiration for the island of Kaua’i. The project intends to project future changes in rainfall and evapotranspiration at high resolution for Kaua’i using dynamical downscaling approach to provide scientific based data to make sound decisions to better manage future water resources. This will assist in analyzing the small island of Kaua’i and its complex terrain with drastic differences between areas of very high rainfall, such as the summit of Mt. Wai‘ale‘ale and very dry regions, such as Waimea Valley.

- l. WR&P continues to administer and participate in the Kaua’i Water Use and Development Plan Update.
- m. WR&P represents the DOW at the County’s Affordable Housing Task Force (AHTF) meetings. The AHTF continues to facilitate the development and approval of affordable housing projects on the island.
- n. WR&P also assisted in conducting various briefings and presentation to the Kaua’i County and other public groups.
- o. WR&P participated in the preparation of the Residential Fire Sprinkler Study.
- p. WR&P continues to participate in completing the Kaua’i Water Source Protection Plan.
- q. WR&P continues to work with DHHL to finalize revisions to an existing Memorandum of Understanding (MOA) for the interconnection agreement between DHHL’s private water system and the DOW’s domestic water system. This MOA allows water from either the DHHL system or DOW system to provide backup source in emergency situations.

3. ENGINEERING DIVISION

Program Description

The Engineering Division is responsible for maintaining the Water System Standards (WSS) of the Department while overseeing the design of Capital Expansion Projects, and the Capital Rehabilitation and Replacement Projects (R&R). Engineering administers consultant design contracts, evaluates the feasibility of water infrastructure projects and sites for water facilities, prepares plans specifications and bid documents for new water system facilities, and provides design review services to both government agencies and private developers who design and build water system improvements that will be dedicated to the Department.

The Engineering Division performs all necessary construction plan review for WP2020 projects including the plan review for storage tanks, pumping facilities, pipelines and other water system facilities that are installed by other government agencies and private developers.

Current Staff:

Keith Aoki, P.E. – Civil Engineer VI

Vacant – Civil Engineer V
Vacant – Civil Engineer V
Eric Fujikawa, P.E. – Civil Engineer IV
Vacant – Civil Engineer II

Program Objectives

The Engineering Division is committed to conduct its business and operations in a safe and efficient manner and to achieve the following objectives:

- a. Engineering continues to assist with the implementation of the CIP projects identified in WP2020, including new facilities (well sources, storage tanks, and water mains) through its CIP - Expansion, and maintaining and upgrading existing water facilities through the CIP - R&R Programs.
- b. Engineering provides the necessary engineering services to ensure the construction of water facilities adheres to the WSS and policies of the Department.
- c. Engineering conducts the expansion of the water system by design of the Department's plan review for integration of private development water system improvements into the Department's systems.

Program Highlights

The Engineering Division continues to utilize the \$60 million Build America Bond (BAB) issuance from March 2010 in addition to other funding sources. The construction drawings for several projects have been completed and the design has progressed or been initiated on a multitude of other WP2020 projects to improve source, storage, or transmission infrastructure in various parts of the island.

WP2020 projects of note include:

Waimea District

- HE-14 – Hanapēpē-‘Ele‘ele Booster Pump Replacements – design completed. Project in construction; providing design services during construction.
- HE-1 – Reorganize Water System; Pipeline Connecting Hanapēpē and ‘Ele‘ele – design completed. Project in construction; providing design services during construction.
- HE-10 – Hanapēpē Road 6” Water Main Replacement – design completed. Project in construction; providing design services during construction.
- LO-08, LO-10 – Lawai-Omao Water Main Replacement – design will be re-procured for new consultant in the future.
- 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) – construction plans approved. Working on subdivisions for tank site.
- K-05A – Kukuiolono 0.5 MG Storage Tank
- KP-09 – Kōloa Wells “16A” & “16B” Site & Building Improvements – project in construction; provided design services during construction.
- MO-03 – Land and Well Acquisition: Waimea 0.5 MG Tank, Well ‘A’ Site, Well No. 2 Site, Kekaha Well No. 2 Site)

- KW-07 – Rehabilitate Paua Valley Tank #1, 0.5 MG Concrete. Design completed. Ready for construction procurement.

Līhu'e District

- PLH-35b – Kapaia Cane Haul Road 18" Water Main – design completed.
- PLH-27 – Kūhi'ō Hwy (Hardy-Oxford) 16" Main Replacement
- Job No. 19-02, Department of Water Baseyard Master Plan

Kawaihau District

- WK-23 – Wailua Homesteads 0.25 MG Storage Tank (U.H. Experimental Station Site)
- WK-08 – Kapa'a Homesteads Two 0.5 MG Storage Tanks (1.0 MG Total) Package B
- WK-08 - Kapa'a Homesteads Two 0.5 MG Storage Tanks Drain line Package A – Design completed. Project in construction; providing design services during construction.
- WK-39 – Kapa'a Homesteads Well #4 – Design completed. Project in construction; providing design services during construction.
- M-02 – 0.1 MG Moloa'a Storage Tank
- 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
- ANI-01 – 'Anini & Kalihiwai Road 6" Main Replacement, Phase 1 (Kīlauea to Kalihiwai) & Phase 2 (Kalihiwai to 'Anini) – Design completed.
- HW-11 – Hā'ena 0.2 MG Storage Tank
- H-05 – Weke, Anai, Mahimahi and He'e Roads, 6" and 8" Water Main Replacement - Re-design of project completed.
- HW-12 – Drill and Test Wainiha Well #4
- MO-03 – Land and Well Acquisition, Moloa'a: Acquire Source, Install Pump, Controls, and 12" Pipeline
- WKK-03 – MCC, Chlorination Facilities, Kīlauea Wells No. 1 & No. 2 Design completed. Ready for construction.
- WKK-2 – Drill and Develop New Kīlauea Well No. 3

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
- Kōloa Village, LLC Commercial Site Development
- Kōloa Rum Company

Līhu'e District

- Wailani Ahukini Makai Subdivision
- Wailani Molokoa Subdivision
- Waiola Ph. II Subdivision
- Waiola Ph. III Subdivision (S-2009-15)
- COK – Rice Street Improvements Tiger Project
- Kaua'i Beer Company

Kawaihau District

- Kulana subdivision
- COK – Opaekaa Bridge Replacement changes

Hanalei District

- Wainiha Bridges Replacement (DOT)

The Engineering Division has received sixty-one (61) new private development projects for review in addition to ongoing private development and other government agency design projects.

4. CONSTRUCTION MANAGEMENT DIVISION

Program Description

The Construction Management (CM) Division is responsible for the construction and inspection of all Water Plan 2020 projects, including but not limited to contracting for construction, preparing construction bid documents, providing subsequent construction management and oversight, and inspecting water system improvements funded by the Department as outlined in Water Plan 2020.

The CM Division administers all of the construction for Capital Improvement Projects (CIP) and Capital Rehabilitation and Replacement Projects (CRP/CRPL) and provides engineering design and inspectional services to the Operations division during emergencies as needed.

In addition, the CM Division administers construction contracts, evaluates the constructability of DOW projects through plan design review, prepares specifications and bid request for proposal (RFP) documents for new water facilities, and implements and inspects the DOW's standards and policies.

CM provides construction management to private developers who design and build water system improvements, such as service laterals and subdivisions, which will be dedicated to the Department. This includes performing construction inspection and review, as well

as approving post-construction documents for water facilities that are being dedicated to the County. The increase in private development over the last year has occupied much of the division's time and is expected to continue over the next year with the increase of Water Plan 2020 projects.

There were eight (8) permanent positions in the CM Division during FY18-19. The engineers within the division are in the Civil Engineering series as a reflection of the professional engineering level of the work that the Construction Management Division staff engineers do on a normal basis. Of the eight (8) positions, one (1) position is an Engineering Program Assistant that assists staff with project document management including PMWEB software, four (4) positions are within the Civil Engineering Series and three (3) positions are within the Inspector Series. In March 2019, the Board approved a new CE IV and two (2) Waterworks Inspector Positions which would create (11) total positions as of July 1, 2019. As of June 30, 2019 there was only one (1) vacancy remaining in the Civil Engineering section. During FY18-19, CM Division was successful in hiring 4 new staff members. The Division hired a CE III, CE I, Waterworks Inspector I and Waterworks Inspector II. This was a huge success and has payed dividends with workload and improved culture within the CM Team. The CM division has had a challenging time attracting and retaining qualified staff and continues to revise and implement a plan to address this matter. We are currently looking to fill the new positions in FY 19-20. In the meantime, although much more costly than multiple permanent new staff members, the DOW continues to utilize As-Needed Construction Management consultant contracts to maintain operations when necessary. The lack of CM staff has been a substantial challenge for the division during this fiscal year to the point that new private projects have been delayed from starting until staffing levels increase.

Current Staff:

Dustin Moises, P.E. – Chief of Construction Management

Vacant – Civil Engineer V

Vacant – Civil Engineer IV

Claus Bollmann – Civil Engineer III

Takara Kunioka – Civil Engineer I

Vacant – Waterworks Inspector I

Vacant – Waterworks Inspector I

Weston Moniz – Waterworks Inspector I

Craig Shirai – Waterworks Inspector II

Jet Levinthol – Waterworks Inspector III

Bekki Malapit – Engineering Program Assistant

Program Objectives

The CM Division is committed to conduct its business and operations in a safe and efficient manner and to achieve the following objectives:

- a. Improve the water facilities infrastructure by constructing new well sources, storage tanks and waterlines through its Water Plan 2020 CIP (Expansion) Program as assigned.
- b. Maintain and upgrade existing water facilities through the Water Plan 2020 CRP/CRPL (Rehabilitation and Replacement) Program as assigned.
- c. Coordinate construction and integration of privately constructed water system

improvements, as assigned, that are dedicated to the Department's system.

- d. Provide construction management and inspectional services to ensure the assigned construction of water facilities adhere to approved plans and specifications and the standards and policies of the Department.
- e. Provide professional engineering design/specification review for all Water Plan 2020 Projects.
- f. Provide professional engineering design response for all construction requests for information, including redesign recommendations.
- g. Administrate electronic construction management platform (PMWEB).

Program Highlights

DOW WP 2020 Project:

During FY18-19, the CM Division has made continued progress in utilizing the \$60 million Build America Bond (BAB) issuance of March 2010. The division also manages funding from the State Department of Health Drinking Water State Revolving Fund and acquired grant funding as well. The division also manages funding from DOW sources such as the Water Utility General fund. In the process, the CM Division completed construction on several projects and several other projects are nearing completion.

The major project accomplishments by the CM Division on the Department's Water Plan 2020 Projects during the period of July 1, 2018 through June 30, 2019 include:

Waimea District

- HE-14 – Hanapēpē-‘Ele‘ele Booster Pump Replacements – started construction and notice to proceed was issued for the Reorganize Water System: Kaumuali‘i Highway 16-Inch Main and Emergency Pump Connection Project and Hanapēpē Road 6-Inch Main Replacement Project. The booster pumps were completed and put into the system in May 2019. The project should be closed out in July 2019.

Kōloa District

- Koloa Well D site improvements were completed. Construction was started for the MCC, Chlorination facilities, Kōloa Well 16A and 16B Site and Bldg. Improvements. The new deep well pump, control building and site improvements were completed and put into the system in June 2019. The project should be closed out in July 2019.

Līhu‘e District

- PLH-35b – Kapaia Cane Haul Road 18” Water Main – NTP issued. Project on hold due to legal issues.

Kawaihau District

- WK-39 – Kapa‘a Homesteads Well #4 and WK-08 - Kapa‘a Homesteads Two 0.5 MG Storage Tanks Drain line Package A – Well and Drainage package projects were issued notice to proceed. The project has progressed with anticipated completion in late 2019.

In summary, the CM Division is currently managing various phases of approximately \$20 million of Water Plan 2020 projects. There are currently six (6) projects in various phases of construction, with a total contract value of approximately \$19.9 million.

There are six (6) projects in construction bundled into four (4) contracts executed during FY 18-19. To date, both the RFP process and low bid process have been used successfully. Both methods will be considered for future construction projects based on which will be most beneficial to the DOW.

The anticipated projects for FY 19-20 are Paua Valley Tank Rehabilitation, Kukuiolono 0.2 MG Tank Demolition and the Kīlauea Well/MCC replacement.

PRIVATE PROJECTS:

The CM Division has managed numerous privately funded projects which include additional service laterals, detector checks, waterline extensions, hydrants, and appurtenances.

In total, seventy-three (73) private projects were initiated, continued, and/or completed during the fiscal year. Nineteen (19) received Certificate of Completion. These private projects require critical project management and inspection as they include review and approval of cost breakdowns, easements, conveyances, and as-builts.

Several major subdivision projects occurred this past year, while less time was spent on individual laterals with the signing of the ADU administrative directive drafted by the Construction Project Management Officer to have Operations staff install new ADU laterals a few years ago. The private sector development has increased since last fiscal year with the completion of projects such as: Eleele Luna Phase 2 Increment 2 Subdivision, Puakea I Subdivision, Kukui‘ula Parcel A subdivision, Kukuiula Road 3A, Kukuiula Road 3B, Kilauea Lighthouse Village, Kīlauea Elementary School, County of Kaua'i Adolescent Treatment and Healing Center. Private projects are in design and are expected to increase during the next fiscal year in Kukui‘ula and Grove Farm Properties while new construction will also start, continue, or soon be closed out at: Kulana Subdivision, Puuoapae Bridge, Hauiki Hui, Koa Workforce Housing, Makaio Estates, Hoihui Subdivision, Kōloa Rum Waterline and the emergency 2018 Flood projects at Kahiliholo Road, Weke Road, Waikoko Bridge, Waipa Bridge, Waioli Bridge, as well as other private projects.

INITIATIVES:

- 1) Continue efforts to attract and retain qualified permanent CM staff and streamline construction management operations to increase efficiency. This will be done by reallocating positions as necessary, selecting the proper candidates for the desired role and fit within the vision the division, and working with our design team to assure approved construction drawings requirements and specifications allow CM staff to properly manage construction projects. In doing so, CM staff will continue to be heavily involved in the design process of Water Plan 2020 projects to accomplish this.
- 2) In addition to various County wide trainings, the CM Division staff completed various trainings throughout the fiscal year to stay updated, evolve and progress with the ever changing requirements related to water utility construction such as:
 - ICS – Emergency Management Training

- Senior Officials Workshop for All Hazards Training
 - Tsunami Awareness Training
 - Hurricane Awareness Training
 - WebEOC Training
 - Water System Standards Training
 - State Procurement Office Training
 - Supervisory Training – Excelling as a Manager or Supervisor Workshop
 - Claval Training
 - Silica Training
 - Exposed Literature – Emotional Intelligence 2.0
- 3) After a successful pilot implementation of the electronic inspection journal process, the Construction Management Division fully integrated electronic journaling to all projects currently managed. All Water Plan 2020 and private construction projects are now documented electronically and available via the SharePoint CM Portal created by DOW IT Division. CM continues to evolve with the paperless process and has continued the transition to a more comprehensive construction management software during FY 17-18 to include contract management, funding, procurement, and other aspects of project management (Construction) with the IT strategic plan that is based on this initial electronic implementation. The DOW IT section along with CM continues to utilize PMWeb. FY 18-19 was used to work out issues with full completion of the PMWEB software installation to occurring by June 30, 2019. This program is progressive for a government construction management operation and is a step in leading the way in county and state government construction management. In doing so, the Chief of Construction Management now serves as the platform administrator and is overseeing the platform in perpetuity. The system will continue to evolve as needed under this leadership and be upgraded as necessary in the future.
- 4) CM continues to be the leading government construction management division on Kaua'i and envisions their leadership to be a role model within the State of Hawaii. This initiative will be accomplished by continuing to promote staff members to evolve as people inside and outside of work, evolve as professionals in engineering and inspection, and going beyond the usual or normal limits with progressive adaptive changes when necessary for the betterment of DOW internal and/or external customers as related to Construction Management.

5. WATER QUALITY DIVISION

Program Description

The Water Quality (WQ) Division consists of two (2) Water Microbiologists and one (1) Chemist who are responsible for testing the quality and safety of the water provided by the DOW. The WQ Division oversees the DOW's compliance with the Environmental Protection Agency's (EPA) Safe Drinking Water Act (SDWA). This entails that the requirements of all the rules and regulations set forth by the SDWA are met, including the microbial and chemical aspects of the SDWA. Much of the required microbial and chemical testing is performed at the Water Quality Division's Micro Laboratory. Much of the more involved testing is done by Eurofins Analytical and the Hawai'i Department of

Health's Laboratory in Honolulu.

The WQ Division also provides in-house testing for the DOW's Operations Division. Major water main breaks and new infrastructure are tested for coliforms as well as other chemical/physical analysis. Deep water wells are also tested for chemical and microbial contaminants when pumps are repaired or new ones are installed. New and existing sources are routinely tested and monitored for coliform bacteria as well.

The WQ Division also addresses customer inquiries regarding water quality and health/safety concerns. This is done by phone or in-person (visits to customers). Additionally, the WQ Division provides the data needed to complete the DOW's annual Consumer Confidence Reports.

Current Staff:

Carl Arume – Water Microbiologist V

Peggy Yoshioka - Water Microbiologist IV

Andrew Canavan – Chemist II

Program Objectives

1. The WQ Division continues to ensure high water quality in all current and future distribution systems. Objectives include:
 - Continue compliance microbial sampling.
 - Update sampling points as necessary to reflect population and community growth.
 - Monitor major main breaks and other threats to the integrity of our water distribution systems.
2. The WQ Division complies with the EPA-SDWA drinking water standards by working with the Hawai'i State Department of Health (DOH's) Safe Drinking Water Branch.
 - Utilize SDWIS and SCRS data management systems.
 - Meet sample deadlines.
 - Perform Pre-Sanitary Surveys to identify potential deficiencies that can be remedied before the actual DOH Sanitary Survey.
3. The WQ Division is working to implement more dedicated sampling stations in the DOW's distribution systems.
 - Work with the DOW's Operations Division to install dedicated sample stations.
 - Work with Engineering to have stations installed in new subdivisions.

Program Highlights

- a. The WQ Division continues to utilize the Sample Reservation and Collection System (SCRS) which allows the DOW MicroLab to schedule and track chemical samples more effectively. It also facilitates better coordination with the DOH's Safe Drinking Water Branch (SDWB), and the system is improving as we give feedback. A new system created by EPA is set to go online by the end of 2019. It is called the Compliance Monitoring Data Portal (CMDP). It will tie in the DOH system with the Analytical Labs performing the analysis to send the data directly to the DOH system. We are gearing up for that.
- b. Phase II, V sampling started this fiscal year for all systems for the current event period

- (2017-2019). Unregulated Contaminant Monitoring Rule (UCMR) 4 sampling has also begun.
- c. Effective April 2016, the WQ Division implemented the Revised Total Coliform Rule (RTCR). Sample points were reviewed and updated. Micro Sample Points and sources were mapped and photographed for input into the new format as required by the new regulation. This siting plan has been reviewed and accepted by the DOH SDWB. One new site has been identified in 2019.
 - d. The MicroLab inspection was completed by DOH in April of 2018. The WQ Division personnel continue to be certified for analysis of total coliforms, *E. coli* and heterotrophic plate count. Lab continues to operate under that certification.
 - e. Long Term 2 Enhanced Surface Water Treatment Rule 2nd round sampling plan was completed in September 2018.
 - f. The Water Quality Division continues to abide by all existing SDWA rules and standards.
 - g. Lead and copper samples are being taken for the 2019 sampling period with results thus far below the action levels set by EPA.
 - h. Wainiha Well 2 pH adjustment achieved a pH of 7.0. However, it has since dropped to 6.8-6.9. Still, lead and copper sampling results were below Action Level in the first sample period since the adjustment. Second round on sampling commences in August 2019.
 - i. Kekaha Shaft and Koloa Well B were reactivated. Lab performed all the chemical and microbiological sampling and analysis to meet DOH requirements to be put back in service.

6. 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. In order to accomplish its mission, the Operations Division maintains and stocks a complete inventory of materials and supplies to ensure that repairs are completed in a timely manner.

Along with the responsibilities of providing potable water, Operations Division provides maintenance of the DOW's facilities as well as fleet management functions, and the division is responsible for the maintenance, repair, and replacement of all DOW-owned facilities, vehicles, and equipment.

Operations Division duties include, but are not limited to: preparation of bid documents and solicitations, procurement and administration of repair and construction contracts not specifically included in Water Plan 2020 projects, procurement and management of professional services contracts, maintenance contracts, and goods and services contracts.

Under the direction of the Chief of Operations, the Operations Division team of forty-eight (48) is comprised of the Plant Operations Section, the Field Operations Section, and the Operations Administration Section.

Current Staff:

Valentino Reyna – Chief of Water Operations

Ryan Smith – Assistant Chief of Water Operations

Virgil Kapanui – Water Field Operations Superintendent

Daniel Kittredge – Water Plants Superintendent

Chris Nakamura - Water Service Supervisor III

Darren Lizama - Water Service Supervisor III

Amy Kiyotsuka - Clerk Dispatcher II

Krist'l Castillo-Gray – Senior Account Clerk

Vacant- Account Clerk

Shayce L. Yasutake - Automotive Mechanic II

Ray Jerry Silva - Automotive Mechanic I

Duane Moriguchi – Heavy Vehicle & Construction Equipment Mechanic I

Vacant – Equipment Operator II

Vacant – Equipment Operator II

Larry Dabin – Equipment Operator II

Franklin Iwai – Equipment Operator II

Lenny Camat – Equipment Operator II

Stetson Raposas – Equipment Operator II

Vacant – Groundskeeper

Raymond A.F. Jr. Chow – Lead Pipefitter

Vacant – Lead Pipefitter

Alan Iwasaki – Lead Pipefitter

Franklin Iwai – Lead Pipefitter

Jeffery Silva - Lead Pipefitter

Wiley Yoshioka – Pipefitter Helper

Vacant – Pipefitter

Selwyn Rita – Pipefitter

Randal Watanabe – Pipefitter

Michael Mack – Pipefitter

Ryan Fu – Pipefitter Helper

Darren Horner – Pipefitter

Tyrus Shigematsu – Pipefitter Helper

Reid Samio – Pipefitter Helper

Clyde Kojiri – Construction and Maintenance Worker I

Dean Sacramed – Maintenance Worker II

Serafin Galves S. Jr. – Construction & Maintenance Worker II

Russell Yonahara – Welder

Vacant – Maintenance Worker I

Neal Iseri – Waterworks Electronics/Plant Electrical Tradesperson II

Darwin P. Bukoski – Waterworks Electronics/Plant Electrical Tradesperson I
Vacant – Plant Electrician
Nelson Inouye – Plant Electrician Helper
Reynold Abigania – Utility Worker
Kevin J.K. Pongasi – Water Meter Mechanic
Kyle Napoleon – Assistant Water Plant Operator
Lance Nakata – Water Plant Operator I
David Okamoto – Water Plant Operator II
Vacant – Water Plant Operator I
Vacant – Water Plant Operator I
Brian Fujii – Water Service Investigator

Program Objectives

The Operations Division’s daily activities are centered around 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 48 vehicles, two backhoes, two skid steer loaders along with their various attachments, three mini-excavators, one portable air compressor, 11 trailers, 16 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 pipelines, 21,200 consumer water service connections, 4,000 valves, 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 FY18-19

- Various leak repairs (transmission and distribution lines).....415
- Install Lateral40
- Install New Meters191
- Replace Defective Meters245
- Replace Meter Box and Cover12
- Live Taps and Contractor Waterline Shutdowns12
- One Call Center Tickets (requests for markings)381
- Fire Hydrants Preventative Maintenance Work Orders132
- Fire Hydrant Corrective Maintenance and Replacements54



- Temporary Fire Hydrant Meter Installations28

Plant Operations Section Statistics FY18-19

- a. Auto mechanics performed routine troubleshooting and repairs as well as preventive maintenance of vehicles and equipment, with 11 work orders outside of routine maintenance.
- b. Electricians performed electrical routine troubleshooting and repairs at various island wide remote sites, with 11 work orders for jobs outside of routine maintenance.
- 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 checks of island-wide water disinfection and storage systems, with 63 work orders outside of routine maintenance.
- d. Construction, welding, maintenance workers performed routine construction, repair, maintenance works at island wide remote facilities, with 44 work orders outside of routine maintenance.

Other Program Highlights for FY18-19

- a. Completed and submitted the Water Audits for calendar year 2018 to Commission on Water Resource Management (CWRM) in compliance with Act 169 – Water Audit Law. Water audits were completed of each of the following water systems:
 - 1. Kekaha-Waimea
 - 2. Hanapēpē-Element
 - 3. Kalāheo-Kōloa-Po'ipū
 - 4. Puhi-Līhu'e-Hanamā'ulu-Wailua-Kapa'a
 - 5. Anahola
 - 6. 'Anini
 - 7. Kīlauea
 - 8. Hanalei
 - 9. Wainiha-Hā'ena
- b. Contract 647 for Kekaha Shaft Pump and Motor Replacement and Well Refurbishment, on-going.
- c. Contract 679 for Puhi Well 3 pump and motor replacement and well refurbishment on-going.
- d. Contracts 662, 663, 668, 671, 672, 673, 674, 675, 676, 680, 684 & 688 for the purchases of vehicles, emergency generators, automotive lift, and heavy construction equipment were completed.
- e. Contract 667, abandonment of Hanamaulu Wells 1 & 2 completed.
- f. Contract 681, on-site generation of Sodium Hypochlorite, executed.
- g. Contract 657, Waipao Valley Well Replacement, on-going.

- h. Contract 632, maintenance of SCADA Communication System was renewed, work on-going.
- i. Contract 648, maintenance of air-conditioning systems was renewed, work on-going.
- j. Assisted Engineering Division in construction plan review of DOW facilities improvements, expansions, repairs and maintenance.
- k. Operations Division personnel performed in-house construction, repair, maintenance of remote site access roadways and structures.
- l. Conversion from Chlorine gas disinfection to Sodium was completed.
- m. Operations personnel provided non-information technology repair and maintenance support to DOW co-workers.
- n. Operations Division personnel attended the following conferences and training classes:
 - 1. Fit Test and Respiratory Protection Training
 - 2. Distribution System Operating Training
 - 3. Water Pro Conference
 - 4. Pacific Water Conference
 - 5. HWWA Conference
 - 6. Excavation and Trenching
 - 7. Driver Improvement Class
 - 8. Distribution System Operator Examination Review Class
 - 9. Overview of Water Storage Facilities and O & M and BMPs
 - 10. Overview of Water Main Components and Installation
 - 11. Rehabilitation of Water Mains
 - 12. Overview of Electrical and Instrumentation Systems and SCADA
 - 13. Backflow Assembly Tester Certification Training
 - 14. Fundamentals of Excavation, Trenching and Pipe Safety
 - 15. Asbestos Operations and Maintenance Worker Training Refresher
 - 16. Flagger Training and Certification
- o. A total of 2,375 work orders were issued for Operations Division in FY 2018-2019. Works included vehicle maintenance and repair; hydrant maintenance and repair; Hawaii 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 nineteen (19) goods & services, professional services, maintenance services, and construction contracts.

7. FISCAL DIVISION

Program Description:

Under the direction of the Waterworks Controller, the Fiscal Division is comprised of the Accounting section and the Billing section. The Fiscal Division is responsible for the planning and directing financial activities of the DOW and administering the fiscal programs and customer activities of the Department including but not limited to: 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 of the Department for reports and rate making, preparation of financial statements for yearly audit, and assisting the Manager in the development of the DOW's annual fiscal year budget.

Current Staff:

Marites Yano – Waterworks Controller
Marcelino Soliz – Accountant IV
Analyn Flores – Accountant IV
Anne Parrott – Accountant III
Karen Ann Delgado – Accountant II
Ferdinand Mariano – Accountant II
Vacant – Accountant II
Jonelle Taira-Kakutani – Accountant I
Terrilyn Amorin – Account Clerk
Norma Imada – Customer Relations Assistant
Kahealani Kolo – Customer Relations Assistant
Sherri Braun – Customer Services Representative I
Tammi Oshiro - Customer Services Representative I
Valerie Caminos - Customer Services Representative I
Ronald Balbin – Meter Reader/Field Collections Supervisor
Eugemar Manibog – Meter Reader/Field Collections
Elliot Jung – Meter Reader/Field Collections
Vacant – Meter Reader/Field Collections
Tessie Guerrero – Janitor II
Matthew Taboniar – Janitor II

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.

Accounting

- 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.

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:

- Accounts Payable
 - Cash & Investments
 - Cost accounting & Work Orders
 - Debts
 - Fixed Assets
 - Operating and Capital Budgets
 - Payroll
 - Purchasing
-
- Maintains the general ledger of accounts and financial accounting system with the use of Microsoft Great Plains (GP).
 - Manages the DOW's Purchase Orders (PO) through the use of Paramount Workplace' Purchase Requisition program which is integrated with GP to generate an approved PO. This integration provides a real time encumbrance report that each Division Head uses to manage their budget.
 - Performs monthly closing of the accounting system and prepares monthly reports of Revenues, Expenses and Variances against the Approved Budget.
 - Manages accounts payable and process invoices and payments regularly.
 - Manages payroll for all DOW employees; payroll is processed twice a month through the County's AS 400 payroll system.
 - Maintains subsidiary accounts of Fixed Assets and accounting of new assets and disposals.
 - Maintains subsidiary ledgers of all debts, amortization and payments.
 - Reconciles Cash, Cash in Bank & Treasury and Investment accounts.
 - Performs cost accounting for DOW & Private Jobs; prepare claims for DOW job related work orders and insurance claims.
 - Reviews purchase requisitions for account coding and budgetary controls before processing Purchase Orders.
 - Collaborates with DOW divisions to produce documents for payroll, AP processing, project and job costing and reconciliation of all accounts.

Billing:

- 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 application 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.
 - 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 21,000 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.
 - In collaboration with the DOW's IT Division, online payment with a credit and debit card is now available for use by the DOW Customers. Customers will need to create a user name and password to set up a log in account.

Program Highlights

- a. Total revenues of \$30.3M consisted of water sales, investment income, miscellaneous and capital contributions from grants and conveyances. The main source of the revenues came from water sales.
- b. The DOW provided water service to approximately 22,196 customer accounts with annual water usage totaling 3.921 billion gallons. Water sales revenues for FY18-19 amounted to \$ 29.9M.
- c. Operating expenses and debt service for FY18-19 was \$32.5M; \$8.5M of which was for debt service, \$7.1M for depreciation costs, \$1.6M for cost from water agreements, \$2.1M was for hydrants maintenance and cost of electrical power purchased for pumping was \$2.6M.

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

Kauai County - Department of Water
June 30, 2019

Utility Plant Additions

Date	Job / Work Order	Description	Asset	Amount
06/30/19	11-07	Kōloa Well 16A & 16B (final costs estimated)	Well level and flow systems	517,319.34
			Wells & Springs	517,319.34
06/30/19	17-03	Kekaha Shaft 12 Replacement	New pump motor assembly	69,065.00
06/30/19	17-05	Puhi Well #5A	New pump	139,099.18
			Electric Pumping Equipment	208,164.18
06/30/19	11-07	Kōloa Well 16A & 16B (final costs estimated)	Electrical Work, SCADA	1,185,504.77
			Structures & Improvements - Pumping	1,185,504.77
06/30/19	11-07	Kōloa Well 16A & 16B (final costs estimated)	New Control Building	2,054,863.89
06/30/19	15-07	Kaunualii 16" Main (final costs estimated)	Emergency Booster Pump Connection	53,215.40
			Structures & Improvements	2,608,079.29
07/27/18	Conveyance	ABP-EWP Development LLC	Air Relief Valve	2,733.46
07/27/18	Conveyance	Historic Plantation Center LLC	875 ft 8" DI Pipe	121,775.69
08/31/18	Conveyance	County of Kaua'i	20 ft 2" Copper Pipe	3,575.00
08/31/18	Conveyance	Kaua'i Habitat for Humanity	55ft 12",455ft 8",705ft 6"	173,757.00
11/21/18	Conveyance	Kukui'ula Development Company	1542' 12" -1507' 8" DI Pipe	450,310.00
01/25/19	Conveyance	Grove Farm	1238' 8" - 75' 6" DI Pipe	252,776.00
07/01/18	C141516	Lokokai Rd Main Replacement	3" PVC Pipe	67,627.91
06/30/19	15-07	Kaunualii 16" Main (final costs estimated)	16 inch main	7,633,674.12
			Transportation & Distribution Mains	8,706,229.18
07/27/18	Conveyance	Historic Plantation Center LLC	2 TSL	8,470.00
07/27/18	Conveyance	Historic Plantation Center LLC	2 SSL	6,246.00
07/27/18	Conveyance	Historic Plantation Center LLC	1 DSL	3,600.00
07/27/18	Conveyance	Historic Plantation Center LLC	1 TSL	4,235.00
07/27/18	Conveyance	Historic Plantation Center LLC	1 4SL	5,200.00
07/27/18	Conveyance	Scott Revocable Living Trust	1 SSL	24,900.00
08/31/18	Conveyance	County of Kaua'i	1 SSL	5,827.00
08/31/18	Conveyance	Kaua'i Habitat for Humanity	1 SSL	1,879.00
08/31/18	Conveyance	Kaua'i Habitat for Humanity	23 DSL	63,641.00
08/31/18	Conveyance	Kaua'i Habitat for Humanity	4 TSL	14,032.00
10/28/18	Conveyance	Kalani & Joleen Abreu Living Revocable Trust	1 SSL	15,030.00
11/21/18	Conveyance	Makaiwa Resort Development	3 SSL	83,420.00
12/28/18	Conveyance	Jennifer Susan Riddall	1 SSL 1 DSL & RDPA	64,399.12
12/28/18	Conveyance	State of Hawai'i, Dept of Education	1 SSL	35,420.00
01/25/19	Conveyance	Grove Farm	1 SSL 1DSL	47,500.00
05/13/19	Conveyance	Kilauea Shops - Foodland	1 SSL	22,192.00
05/13/19	Conveyance	Macia Lora Sands	1 SSL	29,312.00
08/09/18	C181375	2933 Pua Loke Rd. Lihue.	2 SSL	2,383.56
06/30/19	15-07	Kaunualii 16" Main (final costs estimated)	44 Service Laterals	545,891.50
06/30/19		New Service Lateral Installations	64 Service Laterals	150,354.39
			Service Laterals	1,133,932.57
06/30/19		New Meter Installations	507 Meters	154,808.99
06/30/19		Meter Replacements	16 Meters	4,219.89
06/30/19		New Meter Installations (with Service Laterals)	64 Meters	15,195.15
			Meters	174,224.03
07/27/18	Conveyance	Historic Plantation Center LLC	RDPA	21,200.00
07/27/18	Conveyance	Historic Plantation Center LLC	2 fire hydrants	17,817.81
08/21/18	Conveyance	County of Kaua'i	Hydrant & RDPA	44,905.00
08/31/18	Conveyance	Kaua'i Habitat for Humanity	2 fire hydrants	16,896.00
08/31/18	Conveyance	County of Kaua'i - Puhi Road Rehabilitation	4 fire hydrants	52,080.00
11/21/18	Conveyance	Kukui'ula Development Company	4 fire hydrants	36,780.00
01/25/19	Conveyance	Grove Farm	4 fire hydrants	39,166.00
08/10/18	C181410	Replaced Hydrant 08-HYD-K-180R- Hunakai St.	hydrant	1,907.36
08/30/18	C181479	Replaced Hydrant 09-HYD-R-003 Ohelo Rd. Wailua.	hydrant	2,730.96
09/05/18	C181553	Replaced Hydrant 09-HYD-M-034R Kūhi'ō Highway	hydrant	1,921.93
09/06/18	C181554	Replaced Hydrant 05-HYD-E-062R Kōloa Rd	hydrant	2,124.43
09/06/18	C181555	Replaced Hydrant 04-HYD-D-056R Gallo Subdivision	hydrant	2,088.48
09/07/18	C181582	Replaced Hydrant 05-HYD-E-020R Lāwa'i Highland Estates	hydrant	2,151.10
09/25/18	C181694	Replaced Hydrant 04-HYD-D-023-R Puu Rd.	hydrant	2,195.95
09/13/18	C181712	Replaced Hydrant 15-HYD-V-010R1 Kūhi'ō Hwy & Hā'ena Place	hydrant	1,907.03
10/03/18	C181731	Replaced Hydrant 09-HYD-P-017R Olohena Rd	hydrant	2,019.73
10/17/18	C181848	Replaced Hydrant 09-HYD-P-014 Heamoii Pl.	hydrant	2,111.73
10/17/18	C181849	Replaced Hydrant 09-HYD-P015 Wailua on Pili Kua Pl.	hydrant	2,195.95
10/26/18	C181875	Replaced Hydrant 03-HYD-C-028 Puolo Rd	hydrant	3,185.01
11/14/18	C181962	Replaced Hydrant 09-HYD-O-115R Kaehulua Rd	hydrant	2,065.73
11/14/18	C181963	Replaced Hydrant 09-HYD-O-104R Kaehulua Rd	hydrant	2,019.73
11/14/18	C181964	Replaced Hydrant 09-HYD-P-023R Lokelani Rd & Nahele Pl	hydrant	1,973.73
12/04/18	C182066	Replaced Hydrant 12-HYD-X-019R Hookii Rd	hydrant	2,111.73
12/19/18	C182174	Replaced Hydrant 04-HYD-D-007 Puuwai Rd	hydrant	2,157.73
01/30/19	C190193	Replaced Hydrant 03-HYD-C-011R Alii Rd	hydrant	3,342.73
01/30/19	C190195	Replaced Hydrant 03-HYD-C-012R Alii Rd	hydrant	2,461.73
01/31/19	C190217	Replaced Hydrant 03-HYD-C-013R Alii Rd	hydrant	3,435.45
02/11/19	C190315	Replaced Hydrant 01-HYD-A-110 Kekaha Rd	hydrant	2,893.65
02/28/19	C190416	Replaced Hydrant 08-HYD-J-088 Kapule Hwy	hydrant	2,641.11
03/04/19	C190429	Replaced Hydrant 09-HYD-N-010R Hassa Rd.	hydrant	2,111.73
03/04/19	C190431	Replaced Hydrant 06-HYD-H-008R Hoona Rd	hydrant	2,196.05
03/22/19	C190574	Replaced Hydrant 09-HYD-R-095 Hie St	hydrant	2,183.05
03/22/19	C190575	Replaced Hydrant 09-HYD-R-096 Molo St & Alahele St	hydrant	2,022.73

Kauai County - Department of Water
June 30, 2019

Utility Plant Additions

Date	Job / Work Order	Description	Asset	Amount
03/28/19	C190576	Replaced Hydrant 09-HYD-R-106 Iliki St.	hydrant	2,165.05
04/18/19	C190815	Replaced Hydrant 08-HYD-L-067 Nokulii St	hydrant	2,194.45
04/18/19	C190816	Replaced Hydrant 08-HYD-L-068 Nokulii St	hydrant	2,194.45
04/18/19	C190817	Replaced Hydrant 08-HYD-L-069 Nokulii St	hydrant	2,194.45
05/08/19	C190956	Replaced Hydrant 09-HYD-03Y-A Kaiakea Fire Station	hydrant	2,175.49
05/08/19	C190957	Replaced Hydrant 09-HYD-O-092R Awa'a Pl	hydrant	1,973.73
05/09/19	C190958	Replaced Hydrant 12-HYD-X-046R Oka St. & Aalona St.	hydrant	2,080.73
05/21/19	C191012	Replaced Hydrant 04-HYD-D-014 Opu St	hydrant	1,988.45
05/22/19	C191086	Replaced Hydrant 09-HYD-M-060 - Likeke Subd	hydrant	1,988.45
05/28/19	C191089	Replaced Hydrant 04-HYD-D-088 - Kikala Rd	hydrant	2,019.73
05/28/19	C191090	Replaced Hydrant 04-HYD-D-089 - Kikala Rd	hydrant	2,019.73
05/28/19	C191091	Replaced Hydrant 04-HYD-D-100 - Kikala Rd	hydrant	2,104.05
06/18/19	C191196	Replaced Hydrant 09-HYD-S-019 - Kamamokila Rd./Nonou Rd	hydrant	2,378.45
06/18/19	C191198	Replaced Hydrant 01-HYD-A-095 - Mahiko Pl	hydrant	2,155.99
06/18/19	C191200	Replaced Hydrant 01-HYD-A-094 - Mahiko Pl	hydrant	2,196.45
06/30/19	15-07	Kaumualii 16" Main (final costs estimated)	8 hydrants	167,824.65
			Hydrants	488,655.65
			Total Utility Plant Additions	15,022,109.01

Kauai County - Department of Water
June 30, 2019
General Plant Additions

Date	Description	Vendor	Quantity	Cost
02/20/19	Cashier's Windows	Pacific Mirror & Glass	1	15,035.86
				Building Improvements
				15,035.86
07/01/18	Dell Optiplex 5250 Desktop	Dell Computer	3	3,285.54
11/21/18	Dell Precision Workstation	Dell Computer	5	13,265.18
02/28/19	Dell Optiplex 5260 AIO	Dell Computer	14	13,486.16
02/13/19	Trimble Handheld 7X Handheld WEHH 6.5	Frontier Precision Instruments	1	6,321.70
				Computer Hardware
				36,358.58
08/27/18	Takeuchi Compact Excavator TB24OR	Allied Machinery	1	57,082.97
08/27/18	Shredder Attach forTakeuchi Escavator	Allied Machinery	1	27,499.82
				Power Equipment
				84,582.79
05/10/19	Heavy Duty 2 Post Lift, Tire Changer, &	Miller Industries	1	56,788.00
				Tools
				56,788.00
08/20/18	Evolution LSV Golf Cart	Richard Landry	1	11,782.90
				Misc Equipment
				11,782.90
07/05/18	2018 Ford f-150 Pickup CK2425	Valley Isle Motors	1	51,434.72
07/11/18	2017 Ford F550 Pickup CK2423	Valley Isle Motors	1	111,802.00
07/11/18	2017 Ford F-550 Pickup CK2422	Valley Isle Motors	1	111,829.08
07/11/18	2017 Ford F-250 Pickup CK2426	Valley Isle Motors	1	57,430.14
07/11/18	2017 Ford F-250 Pickup CK2424	Valley Isle Motors	1	62,660.64
01/21/19	2019 International Durastar Truck CK2438	International Truck of Hawai'i	1	137,821.00
04/15/19	2019 Nissan MPVH CK2474	King Windward Nissan	1	28,894.35
04/15/19	2019 White Nissan MPVH CK2473	King Windward Nissan	1	28,894.35
04/15/19	2019 White Nissan MPVH CK2478	King Windward Nissan	1	24,513.52
06/21/19	2019 Peterbilt 8 Cubic Yards Dump Truck	HT&T Truck Center	1	155,731.95
				Transportation Equipment
				771,011.75
				Total
				975,559.88

Kauai County - Department of Water

June 30, 2019

Intangible Asset Additions

Date	Description	Vendor	Cost
02/13/19	Trimble Handheld Arcpad Extention	Frontier Precision	6,321.70
		Total Intangible Asset Additions	6,321.70

Kauai County - Department of Water
June 30, 2019
Utility Plant Abandonments

Job/Work Order	Job/Work Order Description	Asset ID	Total Cost
	17 meters - fully depreciated	5/8" METER w/ AMR	-
	18 meters - fully depreciated	3/4 "x 3/4"	-
		Meters	-
C181375	2933 Pua Loke Rd. Lihue. Replaced SL.		1,800.00
		Service Laterals	1,800.00
C181410	Replaced CLOW EBC#5 K-180R- Hunakai St.	(1) 2.5" x (1) 4.5"	2,033.65
C181479	Replaced 09-HYD-R-003 Ohelo Rd. Wailua.	(1) 2.5" x (1) 4.5"	2,033.65
C181553	Replaced 09-HYD-M-034R Kūhi'ō Highway	(1) 2.5" x (1) 4.5"	2,033.65
C181554	Replaced 05-HYD-E-062R Kōloa Rd	(1) 2.5" x (1) 4.5"	2,033.65
C181555	Replaced 04-HYD-D-056R Gallo Subdivision	(1) 2.5" x (1) 4.5"	2,033.65
C181582	Replaced 05-HYD-E-020R Lāwa'ī Highland Estates	(1) 2.5" x (1) 4.5"	2,033.65
C181694	Replaced D-023-R Puu Rd.	(1) 2.5" x (1) 4.5"	2,033.65
C181712	Replaced 15-HYD-V-010R1 Kūhi'ō Hwy & Hā'ena Place	(1) 2.5" x (1) 4.5"	2,033.65
C181731	Replaced 09-HYD-P-017R Olohena Rd	(1) 2.5" x (1) 4.5"	2,033.65
C181848	Replaced hydrant #P-014-6FH. Heamoi Pl.	(1) 2.5" x (1) 4.5"	2,033.65
C181849	Replaced hydrant #P-015-6FH, Wailua on Pili Kua Pl.	(1) 2.5" x (1) 4.5"	2,033.65
C181875	Replaced Hydrant 03-HYD-C-028 Puolo Rd	(1) 2.5" x (1) 4.5"	2,033.65
C181962	Replaced Hydrant 09-HYD-O-115R Kaehulua Rd	(1) 2.5" x (1) 4.5"	2,033.65
C181963	Replaced Hydrant 09-HYD-O-104R Kaehulua Rd	(1) 2.5" x (1) 4.5"	2,033.65
C181964	Replaced Hydrant 09-HYD-P-023R Lokelani Rd & Nahele Pl	(1) 2.5" x (1) 4.5"	2,033.65
C182066	Replaced Hydrant 12-HYD-X-019R Hookui Rd	(1) 2.5" x (1) 4.5"	2,033.65
C182174	Replaced Hydrant 04-HYD-D-007 Puuwai Rd	(1) 2.5" x (1) 4.5"	2,033.65
C190193	Replaced Hydrant 03-HYD-C-011R Alii Rd	(1) 2.5" x (1) 4.5"	2,033.65
C190195	Replaced Hydrant 03-HYD-C-012R Alii Rd	(1) 2.5" x (1) 4.5"	2,033.65
C190217	Replaced Hydrant 03-HYD-C-013R Alii Rd	(1) 2.5" x (1) 4.5"	2,033.65
C190315	Replaced Hydrant 01-HYD-A-110 Kekaha Rd	(1) 2.5" x (1) 4.5"	2,033.65
C190416	Replaced Hydrant 08-HYD-J-088 Kapule Hwy	(1) 2.5" x (1) 4.5"	2,033.65
C190429	Replaced Hydrant 09-HYD-N-010R Hassa Rd.	(1) 2.5" x (1) 4.5"	2,033.65
C190431	Replaced Hydrant 06-HYD-H-008R Hoona Rd	(1) 2.5" x (1) 4.5"	2,033.65
C190574	Replaced Hydrant 09-HYD-R-095 Hie St	(1) 2.5" x (1) 4.5"	2,033.65
C190575	Replaced Hydrant 09-HYD-R-096 Molo St & Alahele St	(1) 2.5" x (1) 4.5"	2,033.65
C190576	Replaced Hydrant 09-HYD-R-106 Iliki St.	(1) 2.5" x (1) 4.5"	2,033.65
C190815	Replaced Hydrant 08-HYD-L-067 Nokulii St	(1) 2.5" x (1) 4.5"	2,033.65
C190816	Replaced Hydrant 08-HYD-L-068 Nokulii St	(1) 2.5" x (1) 4.5"	2,033.65
C190817	Replaced Hydrant 08-HYD-L-069 Nokulii St	(1) 2.5" x (1) 4.5"	2,033.65
C190956	Replaced Hydrant 09-HYD-03Y-A Kaiakea Fire Station	(1) 2.5" x (1) 4.5"	2,033.65
C190957	Replaced Hydrant 09-HYD-O-092R Awa'a Pl	(1) 2.5" x (1) 4.5"	2,033.65
C190958	Replaced Hydrant 12-HYD-X-046R Oka St. & Aalona St.	(1) 2.5" x (1) 4.5"	2,033.65
C191012	Replaced Hydrant 04-HYD-D-014 Opu St	(1) 2.5" x (1) 4.5"	2,033.65
C191086	Replaced Hydrant 09-HYD-M-060 - Likeke Subd	(1) 2.5" x (1) 4.5"	2,033.65
C191089	Replaced Hydrant 04-HYD-D-088 - Kikala Rd	(1) 2.5" x (1) 4.5"	2,033.65
C191090	Replaced Hydrant 04-HYD-D-089 - Kikala Rd	(1) 2.5" x (1) 4.5"	2,033.65
C191091	Replaced Hydrant 04-HYD-D-100 - Kikala Rd	(1) 2.5" x (1) 4.5"	2,033.65
C191196	Replaced Hydrant 09-HYD-S-019 - Kamamokila Rd./Nonou	(1) 2.5" x (1) 4.5"	2,033.65
C191198	Replaced Hydrant 01-HYD-A-095 - Mahiko Pl	(1) 2.5" x (1) 4.5"	2,033.65
C191200	Replaced Hydrant 01-HYD-A-094 - Mahiko Pl	(1) 2.5" x (1) 4.5"	2,033.65
		Hydrants	86,979.65
		Total Utility Plant Abandonments	86,979.65

Kauai County - Department of Water
June 30, 2019
General Plant Retirements

Date Acquired	Description	Cost	Accumulated Depreciation	Book Value
	late fy 2018			
06/30/53	Steel Case, 4 Drawer Cabinet	146.00	146.00	-
06/30/53	File Cabinet Automatic 4 Drawer	144.10	144.10	-
06/30/60	Cabinet 2 Drawers Remington (fr.391.1)	69.42	69.42	-
06/30/64	McDowell Cabinet 4-Drawer	166.58	166.58	-
07/27/66	Desk, Steel, 30" x 60"	257.92	257.92	-
07/14/67	Hon Legal Size File Cabinet	109.20	109.20	-
07/14/67	Hon Legal Size File Cabinet	109.20	109.20	-
02/24/70	McDowell & Craig 4 Drawer File Cabinet	128.00	128.00	-
08/06/70	File Cabinet w/ Lock Hon 4-Dr	125.00	125.00	-
08/06/70	File Cabinet w/ Lock Hon 4-Dr	125.00	125.00	-
06/30/71	Desk, Steel , Sen, 30" x 60"	356.38	356.38	-
03/15/72	File Cabinet 4 Drawer Legal, No Lock	126.00	126.00	-
04/24/72	FCF229 2-Drwr File Cab 28 x 18 x 28	94.59	94.59	-
05/25/72	Lyon Hanging Cabinets #3020	140.40	140.40	-
09/30/72	Board Chairs #4LBP Jaspar Heather	102.00	102.00	-
09/30/72	Board Chairs #4LBP Jaspar Heather	102.00	102.00	-
09/30/72	Board Chairs #4LBP Jaspar Heather	102.00	102.00	-
09/30/72	Board Chairs #4LBP Jaspar Heather	102.00	102.00	-
09/30/72	Board Chairs #4LBP Jaspar Heather	102.00	102.00	-
09/30/72	Board Chairs #4LBP Jaspar Heather	102.00	102.00	-
09/30/72	Board Chairs #4LBP Jaspar Heather	102.00	102.00	-
09/30/72	Board Chairs #4LBP Jaspar Heather	102.00	102.00	-
09/30/72	Board Chairs #4LBP Jaspar Heather	102.00	102.00	-
09/30/72	Board Chairs #4LBP Jaspar Heather	102.00	102.00	-
09/30/72	Board Chairs #4LBP Jaspar Heather	102.00	102.00	-
09/30/72	Board Chairs #4LBP Jaspar Heather	102.00	102.00	-
09/30/72	Board Chairs #4LBP Jaspar Heather	102.00	102.00	-
09/30/72	Board Chairs #4LBP Jaspar Heather	102.00	102.00	-
11/01/72	Conference Table 4 x 10 Walnut	786.08	786.08	-
03/31/73	Cole Legal File Cabinet, 4-Dr Mist Green	125.00	125.00	-
03/31/73	Cole File Cabinet FCF 4-Drawer Mist Grn	125.00	125.00	-
10/19/76	4-Dr Legal File w/ Lock, Mist Green	202.80	202.80	-
07/02/81	Pendaflex filing Cart, (#1032)	266.25	266.25	-
11/30/81	(1) Sofa and (1) Arm Chair, Beige Fabric	499.00	499.00	-
09/30/82	Holga 4-Dr Legal File w/ Lock Mist Green	299.00	299.00	-
09/30/82	Legal File 4-Dr w/ Lock Mist Green	299.00	299.00	-
06/30/84	TU-DROR File Unit E4-433DSA Brown	274.23	274.23	-
06/30/84	Print-out Folder & Binder Mobile File	177.38	177.38	-
06/30/84	4-Drawer Filing Cabinets-Beige	167.28	167.28	-
07/30/87	HON 4-Drawer Legal File, Tropic Sand	265.20	265.20	-
10/31/87	HON 4-Drawer Legal Filing Cabinet	265.20	265.20	-
02/20/89	HON Executive Desk 60 x 30	319.80	319.80	-
07/18/89	HON 4-Drawer Legal Filing Cabinet	266.42	266.42	-
08/31/90	HON File Cabinet, Putty	197.54	197.54	-
08/31/90	Computer WorkCenter w/ Desk	176.78	176.78	-
04/30/91	Plan Holder Cabinet	785.20	785.20	-
07/03/91	HON 4-Dwr Legal File Cabinet w/ Lock	167.29	167.29	-
03/31/92	HON 4-dr Legal File, Tropical Sand	251.70	251.70	-
10/31/92	Magnum Chair w/ Arms, Burgundy	265.62	265.62	-
08/31/93	HON 4-dr Legal File,Tropical Sand	237.90	237.90	-
06/30/94	Minolta RP-605Z Reader Printer	5,881.01	5,881.01	-
06/30/94	Minolta Reader Printer, Roll Film	1,505.26	1,505.26	-
06/30/94	Minolta Reader Printer, Prism	151.64	151.64	-
06/30/94	Minolta Reader Printer, Zoom Lens	668.37	668.37	-
09/30/94	HON Legal File Cabinet w/ Lock Series 4	244.05	244.05	-
09/30/94	HON Legal Filing Cab w/ Lock-Gray	244.04	244.04	-
06/30/95	HON4-DrwLegal File Cab w/ Lck fr #391.3	244.05	244.05	-
06/30/95	Kenmore 7.5 Cubic Ft. Freezer	421.87	421.87	-
10/31/95	Chair w/ Adjustable Arms, Charcoal	205.92	205.92	-
03/31/96	HON 314 4-Drwr Legal File Cabinet w/Lock	212.00	212.00	-
03/31/96	HON 314 4-Drwr Legal File Cabinet w/Lock	212.00	212.00	-
03/31/96	HON 4-Drwr Legal File Cabinet w/out Lock	200.00	200.00	-
03/31/96	HON 4-Drwr Legal File Cabinet w/out Lock	200.00	200.00	-
03/31/96	HON 4-Drwr Legal File Cabinet w/ Lock	212.00	212.00	-
03/31/96	HON 314 4-Drwr Legal File Cab w/ Lock	212.00	212.00	-

Kauai County - Department of Water
June 30, 2019
General Plant Retirements

Date Acquired	Description	Cost	Accumulated Depreciation	Book Value
03/31/96	HON 4-Drw Legal File Cabinet w/ Lock	212.00	212.00	-
03/31/96	HON 4-Drwr Legal File Cabinet w/ Lock	212.00	212.00	-
03/31/96	HON 4-Drwr Legal File Cabinet w/ Lock	212.00	212.00	-
03/31/96	HON 4-Drwr Legal File Cabinet w/ Lock	212.00	212.00	-
03/31/96	HON 4-Drwr Legal File Cabinet w/ Lock	212.00	212.00	-
06/30/96	Amano Time/Date Stamp	622.68	622.68	-
01/31/97	High Chair/Lab Stool w/ Backrest	440.75	440.75	-
01/31/97	High Chair/Lab Stool w/ Backrest	440.75	440.75	-
01/31/97	High Chair/Lab Stool w/out Backrest	307.68	307.68	-
02/28/97	HON 4-Drawer Legal File Cab, Lt. Gray	189.00	189.00	-
02/28/97	Steel Cab w/ 36 Tube Slots 26in Depth	205.45	205.45	-
02/28/97	Steel Cab w/ 36 Tube Slots 26in Depth	205.45	205.45	-
02/28/97	Steel Cab w/ 36 Tube Slots 26in Depth	205.45	205.45	-
02/28/97	Steel Cab w/ 36 Tube Slots 26in Depth	205.45	205.45	-
02/28/97	Steel Cab w/ 36 Tube Slots 26in Depth	193.30	193.30	-
02/28/97	Steel Cab w/ 36 Tube Slots 26in Depth	193.30	193.30	-
02/28/97	Steel Cab w/ 36 Tube Slots 26in Depth	193.30	193.30	-
02/28/97	Steel Cab w/ 36 Tube Slots 26in Depth	193.30	193.30	-
02/28/97	Steel Cab w/ 36 Tube Slots 26in Depth	193.30	193.30	-
02/28/97	Steel Cab w/ 36 Tube Slots 26in Depth	193.30	193.30	-
02/28/97	Steel Cab w/ 36 Tube Slots 26in Depth	193.30	193.30	-
02/28/97	Steel Cab w/ 36 Tube Slots 26in Depth	193.30	193.30	-
02/28/97	Steel Cab w/ 36 Tube Slots 26in Depth	193.30	193.30	-
02/28/97	Steel Cab w/ 36 Tube Slots 26in Depth	193.30	193.30	-
02/28/97	Steel Cab w/ 36 Tube Slots 26in Depth	193.30	193.30	-
02/28/97	Steel Cab w/ 36 Tube Slots 26in Depth	193.30	193.30	-
02/28/97	Steel Cab w/ 16 Tube Slots 44in Depth	231.15	231.15	-
02/28/97	Steel Cab w/ 16 Tube Slots 44in Depth	231.15	231.15	-
02/28/97	Steel Cab w/ 16 Tube Slots 44in Depth	231.15	231.15	-
02/28/97	Steel Cab w/ 16 Tube Slots 44in Depth	231.15	231.15	-
02/28/97	Steel Cab w/ 16 Tube Slots 44in Depth	248.23	248.23	-
02/28/97	Steel Cab w/ 16 Tube Slots 44in Depth	248.23	248.23	-
02/28/97	Steel Cab w/ 108 Tube Slots 27in Depth	613.84	613.84	-
02/28/97	Steel Cab w/ 108 Tube Slots 27in Depth	613.83	613.83	-
02/28/97	HON 4-Drwr Legal File Cabinet w/Lock,Gry	189.00	189.00	-
02/28/97	HON 4-Drwr Legal File Cabinet w/ LockGry	189.00	189.00	-
02/28/97	HON 4-Drwr Legal File Cabinet w/Lock Gry	189.00	189.00	-
02/28/97	HON 4-Drwr Legal File Cabinet w/Lock Gry	189.00	189.00	-
02/28/97	HON 4-Drwr Legal File Cabinet w/Lock Gry	189.00	189.00	-
02/28/97	HON 4-Drwr Legal File Cabinet w/Lock Gry	189.00	189.00	-
02/28/97	HON 4-Drwr Legal File Cabinet w/Lock Gry	189.00	189.00	-
02/28/97	HON 4-Drwr Legal File Cabinet w/Lock Gry	189.00	189.00	-
02/28/97	HON 4-Drwr Legal File Cabinet w/Lock Gry	189.00	189.00	-
04/30/97	HON 4-Drwr Legal File Cabinet w/Lock Gry	215.41	215.41	-
04/30/97	HON 4-Drwr Legal File Cabinet w/Lock Gry	215.40	215.40	-
04/30/97	4-Drwr Legal Vert F/Cabinet w/Lock Gry	215.41	215.41	-
04/30/97	4-Drwr Legal Vert F/Cabinet w/Lock Gry	215.40	215.40	-
04/30/97	HON Rt. Pedestal Desk w/ Return Lt. Gray	896.54	896.54	-
04/30/97	HON Rt. Pedestal Desk w/ Return Lt. Gray	896.54	896.54	-
04/30/97	HON Rt. Pedestal Desk w/ Return Lt. Gray	937.29	937.29	-
04/30/97	HON Dbl Pedestal Desk Light Gray	582.16	582.16	-
04/30/97	VICRO Upholstered Chair Beige	103.63	103.63	-
04/30/97	VICRO Upholstered Chair Beige	103.62	103.62	-
04/30/97	HON Metal Utility Table Dark Oak Putty	221.23	221.23	-
04/30/97	LA-Z-BOY Leather Managerial Chair	646.20	646.20	-
04/30/97	Thermolyne Distilling Aparatus, Glass	793.00	793.00	-
04/30/97	Leica Illuminator	465.00	465.00	-
04/30/97	Thermolyne Magnetic Stirrer/ Hotplate	340.50	340.50	-
04/30/97	Barnstead Magnetic Stirrer Hotplate	340.50	340.50	-
04/30/97	Utility Cart w/Guardrails 2-Trays	565.50	565.50	-
04/30/97	Utility Cart w/Guardrails 2-Trays	565.50	565.50	-
04/30/97	Glassware Cart w/ 2 Trays	580.00	580.00	-
04/30/97	Pyrexplus Bottle 5 Gallon Capacity	360.00	360.00	-
08/31/97	HON 4-Dwr Legal File Cabinet	83.33	83.33	-
08/31/97	4-Drw Legal File Cabinet w/ Lock, Gray	83.33	83.33	-
08/31/97	HON 4-Drwr Legal File Cabinet w/Lock Gry	83.34	83.34	-
08/31/97	HON 4-Drwr Legal File Cabinet w/Lock Gry	83.34	83.34	-

Kauai County - Department of Water
June 30, 2019
General Plant Retirements

Date Acquired	Description	Cost	Accumulated Depreciation	Book Value
06/30/01	Utility Table	109.76	109.76	-
06/30/01	Utility Table	109.76	109.76	-
06/30/01	Instructor Stand	236.12	236.12	-
06/30/01	A/V Cart	359.77	359.77	-
06/30/01	Overhead Projector Stand	160.47	160.47	-
06/30/01	Folding Trapezoidal Table	347.76	347.76	-
08/31/01	Camera, Diigital, Sony Cybershot DSCS85	817.70	817.70	-
08/31/01	Cart, Lab, Glassware	573.78	573.78	-
12/31/01	Cart, Lab Pan	651.00	651.00	-
03/31/02	Chair, Executive, H/B, Gy	432.00	432.00	-
03/31/02	Chair, Executive H/B, Gy	432.00	432.00	-
03/31/02	Chair, Executive H/B, GY	432.00	432.00	-
03/31/02	Chair, Executive H/B, Gy	432.00	432.00	-
03/31/02	Chair, Managerial Mid-Back	421.00	421.00	-
03/31/02	Cart, Audio Visual (in kitchen, Ops)	395.00	395.00	-
06/30/05	Stackable Chair	47.24	47.24	-
06/30/05	Stackable Chair	47.14	47.14	-
07/01/80	Couch , Ladies Restroom	309.29	309.29	-
06/30/00	Electric Stove	602.12	602.12	-
06/30/00	Water Heater	401.40	401.40	-
	Office Furniture and Equipment	62,064.28	62,064.28	-
07/31/05	Fuel (Spare) Pump for Baseyard, Gasboy	1,181.87	1,181.87	-
08/31/77	25in Travel CL-12 Drilling Machine	9,320.61	9,320.61	-
04/30/80	Sound & Leak Detector w/ Headset	525.00	525.00	-
04/30/83	Bandsaw 1-1/2 HP 1 Phase 230 Volt	2,775.00	2,775.00	-
06/30/84	Rockwell 8in Bench Grinder, 3/4 HP	414.26	414.26	-
10/31/91	12ft Heavy Duty Fiberglass Stepladder	353.39	353.39	-
10/31/91	24in Aluminum Pipe Wrench w/ Capacity	224.96	224.96	-
03/31/94	5-Ton Hydraulic Floor Jack	795.42	795.42	-
04/30/94	Mueller PL-2 Driller w/ Accessories	520.31	520.31	-
01/31/95	20in Drill Press, 1 1/2 HP Motor	907.32	907.32	-
04/30/95	Twin Post Lift, additional	940.00	940.00	-
01/31/97	Fluke 87 Multimeter w/ Case & Amp Probe	551.05	551.05	-
05/31/97	Table Saw 8-1/4in SN 476022E	333.29	333.29	-
05/31/98	400-Gal Water Tanker On a Trailer	400.00	400.00	-
04/30/00	91-765 Wheel Dolly	884.00	884.00	-
08/31/00	Rod Heater, 50B Rod Oven	352.56	352.56	-
08/31/00	29-Piece Drill Bit Set	73.95	73.95	-
10/31/00	Echo Trimmer/Brush Cutter, Type 2-E	333.32	333.32	-
02/28/01	4in Cutter Hub for CL12 Mueller	395.80	395.80	-
02/28/01	8inCutter Hub for CL12 Mueller Drill	687.10	687.10	-
02/28/01	12inCutter Hub for CL12 Mueller Drill	846.50	846.50	-
02/28/01	6in Pilot Drill for CL12 Mueller Drill	246.60	246.60	-
02/28/01	8in Pilot Drill for CL12 Mueller Drill	254.60	254.60	-
02/28/01	12in Pilot Drill for CL12 Mueller Drill	437.00	437.00	-
02/28/01	6in Cutter Hub for CL12	551.00	551.00	-
02/28/01	Oxygen Acetylene Torch Set	413.53	413.53	-
02/28/01	Oxygen Cylinder	173.34	173.34	-
02/28/01	Acetylene Cylinder	152.32	152.32	-
02/28/01	Cylinder Cart with 7in Wheels	77.04	77.04	-
04/30/01	Directional Arrow Board for Road Work	467.69	467.69	-
04/30/01	Dual 345R 5/8in Rebar Cutter/Bender	468.41	468.41	-
08/31/01	Calibrator, Loop, O-24 MA	561.00	561.00	-
08/31/01	Saw, Chain, Stihl	512.35	512.35	-
09/30/01	Flares, Roadway, Rechargeable,	1,554.53	1,554.53	-
01/31/02	Torch Kit, Victor Super-Range, Deluxe510	411.46	411.46	-
02/28/02	Camera, Infrared, Still, Snapshot, 20MM	13,500.00	13,500.00	-
04/30/02	(Additional)Hydrant Pressure Recorder	389.00	389.00	-
06/30/02	AC Cutting Blade	259.30	259.30	-
06/30/02	ValveBoxCleaner,6', 2-5/8"- 4-1/8"Blade	267.66	267.66	-
06/30/02	Vise, Wilton Tradesman	478.89	478.89	-
	Tools	43,991.43	43,991.43	-
	Total General Plant Abandonments	106,055.71	106,055.71	-

DEPARTMENT OF WATER

County of Kaua'i

"Water has no Substitute – Conserve It!"