

**DEPARTMENT OF WATER  
ANNUAL REPORT  
FISCAL YEAR 2012 – 2013**

**I. MISSION STATEMENT**

The following mission statement serves as the guiding principle for the Department of Water. The mission statement was revised in FY12-13.

**Department of Water – Mission Statement**  
*“Together”*

**II. ORGANIZATION** (County Charter, §17.01)

There shall be a Department of Water Supply consisting of a Board of Water Supply, a Manager and Chief Engineer and the necessary staff.

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

The Board of Water Supply 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.

During FY 12-13, the DOW has extended their mahalo and appreciation for Board Chair, Mr. Daryl Kaneshiro with shortened term to complete Dee Cowells term ended on December 31, 2012 along with Mr. Roy Oyama during the same tenure.

Since then, the Department welcomed Mr. Sherman Shiraishi and Mr. Hugh Strom to the Board.

<u>For FY13-14:</u>	<u>Term Expires</u>
Randall Nishimura, Chairperson .....	12/31/13
Clyde Nakaya, Vice Chairperson .....	12/31/15
Sherman Shiraishi, Secretary.....	12/31/15
Hugh Strom, Board Member .....	12/15/15
Raymond McCormick (State District Engineer) .....	(exofficio)
Lawrence Dill (County Engineer) .....	(ex-officio)
Michael Dahilig (Planning Director).....	(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 head of the Department. He shall have the powers and duties prescribed by the Board.

For FY 2012-2013, The Department had one hundred five (105) positions funded. There are six (6) divisions under the administration of the Manager and Chief Engineer.

**1. Administration Division**

The Department's Manager and Chief Engineer is David R. Craddick, P.E., C.E.M. The administrative staff included thirteen (13) budgeted positions for FY 2012-2013. The administration division is responsible for the day to day management of the Department and coordination between the Department 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 other six (6) divisions.

**Program Description**

Administration leads, directs and manages the activities of the Department and provides administrative support for the Divisions of the Department, 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 departmental programs and activities among the divisions.

**Program Objectives**

- a. Provide support for the Board of Water Supply in its role to manage, control, and operate the waterworks of the County, and all property thereof; adoption of the Department'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 of the Department, 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.

### **Program Highlights**

During Fiscal Year 2012-2013, the Department continued working on 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).

The following summary is an overview of some of the key department-wide accomplishments for FY2013.

### **Board of Water Supply Items**

- a. Approved the reprioritization and updating of the Water Plan 2020 (WP2020) Project Priority List.
- b. Approved funding requests in support of training efforts and staff reorganization.
- c. The Board approved, the annual budget and audit as well as various contracts, agreements and recommendations necessary for management of the waterworks of the County.
- d. February 28, 2012, the Board adopted the Hawai'i Water Agency Response Network (HIWARN) Mutual Aid and Assistance Agreement along with the other Counties Boards to provide aid or assistance in the form of personnel, equipment, or supplies from outside any area of impact. This agreement allows the DOW to coordinate response activities and share resources during emergencies.
- e. Rule Changes
  - i. September 20, 2012, the Board adopted amended changes to Part 3, Establishing Standards for Subdivision Water Systems within the County of Kauai as it relates to the modification of requirements for subdivisions. Changes were amended to the following sections:
    - 1. Section XII – Modification of Requirements

### **Departmental Programs**

- a. Tracking American Water Works Association (AWWA) Performance Indicators in areas of finance, customer service, operations and system replacement.
- b. Tried to reduce operational costs by filling vacant positions and reducing overtime. This is being hampered due the added OT to cover needed functions included in reorganizations that have taken years to complete.
- c. The Department continues to provide leadership in emergency preparedness through its participation in the County's Energy and Utility Council as assigned through the County's Emergency Operations Plan.

## **INFORMATION TECHNOLOGY**

### **Program Description**

The IT Division maintains databases for the DOW core Financial (Great Plains) and Maintenance Management System (M-PET), maintaining all applications including updating Document Imaging System and Water Plan 2020 databases. The staff supports the DOW's Business and SCADA Local Area Networks, as well as website development and network maintenance and troubleshooting and has been instrumental in moving the GIS program forward.

### **Program Highlights**

Fifteen (15) servers were replaced in FY 2012-2013 and about fifteen (15) desktop/laptops/iPads were integrated into the local area network.

Honolulu Board of Water Supply replaced their CAS Billing System to the new Customer Care & Billing System (CC&B) which provides the water billing for our Kauai customers. I.T. was instrumental in helping to set up Kaua'i Fiscal Billing Division's software program. CC&B went live on January 22, 2013. In conjunction with CC&B, new a point of access to the Honolulu Board of Water Supply was created (VPN), making for a quicker connection for our customer support staff as we approached the live date. This access point will provide more users to access the new system. Also included as part of this project was incorporating new printers, receipt printers, and new meter hand held devices. IT trained all users at the Department on how to access/use the new system.

The DOW's SharePoint server application was upgraded to version 2010 and is currently supporting our GIS and Construction Management Division. As-built drawings were scanned and indexed into SharePoint. It currently houses maps in the areas of Puhi-Lihue-Hanamā'ulu, Koloa-Po'ipū, Hanapepe-Eleele, Hanalei, and Kalāheo.

A new SharePoint portal was also setup for the Construction Management Division to house all documents related to CIP projects. Documents for a number of on-going projects can now be quickly located.

The Exchange (E-mail) Server was upgraded from version 2007 to 2010. Dual Exchange Servers were created so that if the email server goes down for any reason, emails will still continue to flow in and out of the Department.

An IT goal is to have a mobile workforce for the Department and I.T. setup vpn connectivity for mobile crews to be able to connect laptops in the field to MPET and connectivity to the SharePoint server. This will allow crews to input/update work orders in the field and view maps online. A tablet was purchased 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.

I.T. supports all divisions with consumption/customer information and data to be populated into our hydraulic water model. These reports also serve as a basis for determining water needs for water service inquiries.

The Department's Water Quality Reports, Consumer Confidence Report (CCR), were mailed out and directed customer's view their system's water quality report online with the accessibility to view all reports in each district.

### IT Plan

I.T. developed a Long Term Strategic Plan in the previous fiscal year (2011-2012). The in-house plan was used to hire a consultant and incorporated into an I.T. Master Plan this fiscal year. The plan looks at providing a more efficient I.T. environment by upgrading our network infrastructure and possible system application replacements.

In the area of GIS, I.T. staff provided G.I.S. training, when necessary, and also provided support throughout the Department. Whether creating maps for special requests or creating maps for new water projects and shut down areas, I.T. was involved. There is also a page on our website dedicated to highlighting Water Construction Zones and Water Outages.

GIS Water Models were developed for Hanalei and Kalaheo. These GIS models are being created to have maps accessible in the field and to be integrated into our system applications in the future.

The DOW's PBX Phone System was replaced with a Voice over IP Phone System (VoIP). Training was done with each Division during the implementation of the new phone system.

A goal of the IT plan is an effort to go paperless. I pads that previously were provided to Board members are now provided for staff during the Kaua'i Board of Water Supply meetings. The agenda and corresponding documents are uploaded to each ipad. A significant amount has been saved with the decrease amount of paper and toner for the DOW.

Virtual Servers were introduced into the network allowing us to virtualize many of our physical servers. All of the servers running System Applications, such as Financial System, Maintenance Management, and Email have been converted to virtual servers. Virtualizing our servers provides the department with a lot of built in fault tolerance and an easy way to create a new server.

The DOW's internet bandwidth has been upgraded with redundant internet connectivity. Should one internet provider be down, internet connectivity should still be available via the other provider. This is a crucial part of the IT infrastructure should the DOW interchange applications to the "CLOUD" in near future.

### Community Outreach – Public Relations

- a. Community outreach activities continued, including periodic television, radio, newspaper and magazine advertising to promote water conservation, and attendance at various school and community events to provide public education on water issues. In September, the Department sponsored the 8th Annual Make a

Splash Water Festival providing an event focused on water issues for hundreds of school children. The Department continues to serve as the Project WET Host Institution and state coordinator for Hawai'i.

- b. The Department continues to support efforts of various environmental, educational and conservation organizations, such as the East and West Soil and Water conservation Districts and participation in the Annual Agriculture and Environmental Awareness Day. We continue to fund research on water resources in the Līhu'e District by the United States Geological Survey (USGS). The Department participates with the State and County Drought Councils, established to monitor and mitigate the effects of periodic droughts. The Department is also a part of the State's Water Conservation Advisory Group that is in the process of drafting the Hawai'i Water Conservation Plan.
- c. The Kaua'i Watershed Alliance, an organization for mauka landowners dedicated to watershed conservation, completed preparation of the watershed management plan, and has hired The Nature Conservancy of Hawai'i (TNCH) as the coordinator for the alliance. The Department, although 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.

## **2. WATER RESOURCES & PLANNING DIVISION**

### **Program Description**

The Water Resources and Planning Division are responsible for long-range planning and research and conducts analytical studies to meet the water needs of Kaua'i. Part of this planning includes interaction with our customers, developers and the County Planning Department for the review and planning of water systems of proposed developments to assure compatibility with the Department's water general plan. This Division also supports the Department's public education and water conservation efforts, and maintains the engineering records and mapping function of the Department. The Division also administers the Cross Connection and Backflow Control Programs. There were six (6) permanent positions budgeted for the Division for FY 2012-2013. In July 2012, the budgeted Civil Engineer II position was upgraded to a Civil Engineer III position.

### **Program Objectives**

- a. Conduct the review and planning of water systems of proposed developments to assure compatibility with the Department's planning and service availability requirements including the review of subdivision, zoning, land use and general plan amendments, building permits, and water service requests.
- b. Conduct investigations to obtain and analyze data to determine existing and future water system capacity requirements including long-range planning and research and analysis of water consumption and maximum demand to meet the water needs of Kaua'i.
- c. Determine hydraulic criteria for reservoirs, pumping stations and water mains and evaluate and develop water network requirements.

- d. Conduct water resource investigations for the development of potential sources and conduct and/or administer studies relating to the protection of watersheds and water resources.
- e. Perform various long-range planning efforts for the Department, including the update of Water Plan 2020, and completion of the Department’s Vulnerability Assessments and Emergency Response Plan Update.
- f. Maintain maps and records of all water facilities.
- g. Prevent contamination of its water system from other liquids, mixtures, gases or other substances through the implementation and enforcement of the Cross Connection and Backflow Prevention Program.

**Program Highlights**

- a. For FY 2012-2013, the Division reviewed and processed the following applications and requests for water service:

Subdivisions .....	26
Zoning, Use Permit, Land-Use, GPA/Z .....	78
Additional Dwelling Clearance .....	56
Water Service Inquiries .....	71
Water Meter Requests .....	305
Building Permits .....	823

- b. The Division has completed the review and approval of several water master plans for large development projects and/or subdivisions.

The Division reviewed the water master plans for the following: Kapa‘a Highlands Project, Waimea Plantation Development for Kikiaola Land Co., Workforce Housing Project for Kukui‘ula Development Co., ‘Ele‘ele Industrial park Subdivision, Residential Site for A & B Properties, The Lima Ola Affordable Housing Project, and the G.F. Wailaau Road System. The Division reviewed the ongoing “Dual Water Non-Potable System” discussion for the Grove Farm Līhu‘e – Hanamā‘ulu Master Planned Community Development and the DOW’s High Level Horizontal Well Project.

- c. The Division continues to utilize and amend Water Plan 2020, adopted in 2001, as our long- range facilities plan and financial plan as a basis for the Department’s CIP/CRP program. Since FY 2006-2007, the Division has participated in the development of the Strategic and Business Plan and in review and development of the WP2020 Sustainability Program. On March 24, 2011, the Division completed and the Board approved an update of the prioritized project listing for Phase I (FY 2009-2013) and for Phase 2 (FY 2014-FY 2018) and for Phase 3 (FY 2019-FY 2029) of WP 2020. The Division assisted the Administration division and provided updated WP2020 project costs to prepare and complete the Department’s \$60,000,000 bond float application with the County. The Division assisted the Department in the preparation of a Needs

Assessment Study and Facilities Reserve Charge Update report and the Kaua'i Water Rate Study & Financial Planning Analysis.

The Division provided several members to the Department's Core Team who prepared the 2007-2012 Strategic Plan and Annual Business Plan. A clearly stated vision and an outline for achieving it are highlights of the plan. The Division provided one member to co-champion the morale issue committee.

- d. The Division is currently assisting in the review and development of Department policies regarding meter restrictions, Facilities Reserve Charge (FRC) offsets, additional dwelling unit meter restriction, private water system developments, boundary adjustments, large lot subdivision exemption, leak rebate refund rule and private well policies. The Division also, assisted in the development of "draft" amended Rules and Regulations regarding the Water System Development Fee.
- e. The Division continues to assist in the Department's annual conservation programs. These included the Department's public education campaign water conservation.
- f. The Division assisted with the Department's Project WET program which included teacher education activities and the annual MAS Festival that invites students to learn about water through fun, hands-on activities.
- g. The Division assisted with new service applications and provided support to management, operations, fiscal and engineering divisions. During FY 2012-FY 2013, the division assisted the Fiscal Division with the Honolulu Board of Water Supply "CC&B" formerly known as the "Loihi" system conversion for the Kaua'i DOW billing and backflow prevention programs. The Division provided staff and input to assist in the development of the Kaua'i DOW program.
- h. The Division remains responsible for the design and implementation of capital improvement source development, storage and transmission mainline projects as assigned by the manager.
- i. During FY 2012-2013, the annual backflow device test program continues to be refined and expanded. The Division continues to review and approve backflow device construction plans as well as maintain an inventory and status of each device. The Division supported the Administrative Division effort to revise the water rate threshold schedule and require the installation of backflow devices prior to qualifying for the Department Rules during June, 2010.
- j. The Division was assigned to administer the Department's security programs. Security programs include: security fence projects, security directives, vulnerability assessment & emergency response plans. Emergency exercises and training, etc. The Division completed and submitted the vulnerability assessment of the Department to EPA in June 2004. In Fiscal Year 2004-2005, the Division administered the update of the Department's Emergency Response Plan (ERP) that includes response to man-made malevolent act. The Department continues to

subscribe to the Water Information Sharing and Analysis Center (Water ISAC) water security information and reporting information system.

- k. The Division participated in meetings with various drought and watershed groups and community planning committees. The Division continues to assist Kaua'i's local Drought Committee to develop County mitigation strategies and drought mitigation projects for Kaua'i. The Division supports the activities of the Kaua'i Watershed Alliance (KWA) that included a DOW grant to The Nature Conservancy (TNC) on behalf of the KWA. The Division participated in the County's Kapa'a Development Plan Citizens Advisory Committee meetings.
- l. The Division coordinated and administered the USGS cooperative research program that includes ground water data collection and a USGS study on lowering 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.
- m. The Division represents the Department at the County's Affordable Housing Task Force (AHTF) meeting that is conducted on a monthly basis. The AHTF continues to facilitate the development and approval of affordable housing projects on the island. The AHTF also addresses the development of affordable County rental projects on six (6) State land parcels in Kekaha and Kapa'a.

### **3. ENGINEERING DIVISION**

#### **Program Description**

The Engineering Division is responsible for the design of Capital Improvement Projects (CIP) and Capital Rehabilitation and Replacement Projects (CRP/CRPL) for the DOW. The division administers engineering consultant contracts; evaluates the feasibility of pipeline alignments and sites for water facilities; prepares plans and specifications and bid documents for new water system facilities. The division performs all necessary construction plan review for Water Plan 2020 projects.

The division provides design review service to government agencies and private developers who design and build water system improvements that will be dedicated to the Department. The division provides construction plan review for storage tanks, pumping facilities, pipelines and other water system facilities that are installed by other government agencies and private developers. The division is also responsible for maintaining the Water System Standards of the Department.

#### **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. Implementation of the capital programs identified in WP2020, including new facilities (well sources, storage tanks and waterline) through its CIP Program, and maintaining and upgrading existing water facilities through the CRP/CRPL Programs.

- b. Provide the necessary engineering services to ensure the construction of water facilities adheres to the standards and policies of the Department.
- c. 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**

During FY 2012-2013, the DOW's Engineering Division has continued to progress in utilizing the \$60 million Build America Bond (BAB) issuance of March 2010 in addition to other funding sources. Design has progressed or been initiated on several WP2020 projects to improve source, storage or transmission infrastructure in various parts of the island.

Department projects of note include:

#### **Waimea District**

- KW-28 - Amfac Shaft Well (in Kekaha)
- LO-08, LO-10 – Lawai-Omao Pipeline Replacement
- K-01 – Kalaheo Water System Improvements
- K-05A – Kukuiolono 0.5 MG Storage Tank
- K-18 – 8" Water Main Replacement Along Halewili Road
- KP-09 – Koloa Well 16A and 16B Site Improvements
- Job 13-7 – Koloa Well D Repairs

#### **Līhu'e District**

- PLH-01A – Replace Grove Farm Tanks #1 and #2

#### **Kawaihau District**

- WK-01 – Makaleha Tunnel Entrance Rehabilitation
- WK-08 – Kapaa Homesteads 1.0 MG Storage Tank
- WK-39 – Kapaa Homesteads Well #4
- M-02 – Moloaa Storage Tank

#### **Hanalei District**

- WKK-09 – Kolo Road Main Replacement
- WKK-15 – Kilauea (Puu Pane) 1.0 MG Storage Tank
- ANI-01 – Anini & Kalihiwai Road Main Replacement, phase 1 & phase 2
- H-05 – Weke, Anai, Mahimahi and He'e Roads, 6" and 8" main replacement
- HW-12 – Wainiha Well #4

Private development projects of note include:

#### **Waimea District**

- 'Ele'ele Iluna Subdivision, on-site work

#### **Koloa District**

- Premier Estate Lot Subdivision

- U/AA Subdivision
- Ala Kukui'ula Ph 2A
- Large Lot 32 Subdivision

#### **Lihue District**

- Kohea Loa Subdivisions
- Wailani Ahukini Makai Subdivision
- Wailani Molokoa Subdivision
- Waiola Subdivisions
- Hokulei Village (Safeway)
- State DOT Līhu'e Mill Bridge project
- Kapule Highway/Rice Street Intersection Improvements

#### **Kawaihau District**

- Kulana subdivision
- Piilani Mai Ke Kai Subdivision

The division has received sixty (60) new private development projects for review in addition to ongoing private development and other government agency design projects.

The Engineering Division is continuing the goal to complete the design for Capital Improvement Projects (CIP), and Capital Rehabilitation and Replacement Projects (CRP/CRPL) for the DOW. In addition to Water Plan 2020 projects, the Engineering Division provides services for other government agencies and private development projects.

## **4. CONSTRUCTION MANAGEMENT DIVISION**

### **Program Description**

The former Special Projects Division who administered the majority of the Capital Improvement Projects (CIP) and Capital Rehabilitation and Replacement Projects (CRP/CRPL) and provided engineering and inspectional services to the Operations Division during emergencies was reorganized into the Construction Management Division in August 2012.

The Construction Management Division manages existing engineering consultant contracts prior to reorganization and all construction contracts; evaluates the constructability of pipeline alignments and sites for water facilities; prepares plans and specifications and Request for Proposal documents for new water facilities and implements and inspects Department's standards and policies. The Division performs all necessary construction plan review and construction inspection for Water Plan 2020 and private projects.

### **Program Objectives**

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

- d. Implementation of the capital programs identified in WP2020, including new facilities (well sources, storage tanks and waterline) through its CIP Program, and maintaining and upgrading existing water facilities through the CRP/CRPL Programs.
- e. Providing the necessary construction, engineering and inspection services to ensure the construction of water facilities adheres to the standards and policies of the Department.

The Construction Management Division is primarily responsible for the construction and inspection of water projects such as reservoirs, pumping facilities and pipelines by planning, reviewing plan designs for constructability, preparing construction RFP documents and subsequent construction management, and inspecting water system improvements funded by the Department as outlined in Water Plan 2020. The Construction Management division is also responsible for the construction management and inspection of all privately funded projects.

There are seven (7) permanent positions budgeted for the division for FY 2012 – 2013. Of the seven positions, four (4) are filled. Two of the positions are awaiting DPS review of reclassifications as of May 2013. The other position has been posted and is awaiting DPS list of qualified applicants.

### **Program Highlights**

#### **DOW WP 2020 Project:**

During FY 2012-2013, the Department's Construction Management Division has made substantial progress in utilizing the \$60 million Build America Bond (BAB) issuance of March 2010. In the process, the Construction Management Division completed construction on several projects and several other projects are nearing completion. Design has progressed on the staff's remaining WP2020 project which is the DOW Base yard Facility Improvements.

The major project accomplishments by the Construction Management Division on the Department's Water Plan 2020 Projects during the period of July 1, 2012 through June 30, 2013 include:

- a. The Construction Management Division completed the design and issued Construction RFP's for the following projects:
  - a. WK-28 - Wailua Houselots Main Replacement
  - b. WK-30 – Waipouli and Olohena Road Main Replacement
  - c. WK-12 – Waipouli Main Replacement along Kuhio Highway
- b. The Special Projects Division is nearing completion for the design of the following projects and will be bidding shortly if funding is approved:
  - PLH-39A - Lihue Baseyard Improvements, Phase I
- c. In the Kekaha District, no new projects were in construction.
- d. In the Waimea District, the Department's Waimea Well "A" Renovations were completed.

- e. In the Hanapēpē District, the construction for the Rehabilitation of the Eleele Two (2) 0.4 MG Steel Tanks is in progress and near completion.
- f. In the Kalāheo District, no new projects were in construction.
- g. In the Koloa -Lāwai-Omao District, no new projects were in construction.
- h. In the Līhu'e District, the Department completed the Nāwiliwili-Kupolo Main Replacements.
- i. In the Kapa'a District, the construction Pipeline Replacement for Vivian Heights and Kanaele Road was completed.

Construction for the Wailua Main Replacements (Wailua/Kuamoo Road area) was completed,

Construction for the Waipouli Main Replacement (County Roads) project was completed,

The Wailua Houselots Pipeline Replacement project is in construction,

The Waipouli Main Replacement (Kūhi'ō Highway) is in construction.

The Waipouli/Hauiki Roads Main Replacement is in construction.

- j. In the Moloa'a District, no new projects in construction.
- k. In the Kīlauea District, no new projects in construction.
- l. In the 'Anini District, no new projects in construction.
- m. In the Hanalei District, the renovations to the Maka Ridge Well and Tank Pipeline and Access Road Renovations are in the construction phase.
- n. In the Wainiha-Hā'ena District, the construction for the Wainiha Booster Pump and 0.10 MG Hā'ena Tank Renovation is in progress. We resolved design issues with Public works with regards to drainage and grading concerns before starting site work.

In summary, the Construction Management division is currently managing various phases of approximately \$26.2 million of Water Plan 2020 projects. There is currently one (1) design consultant contract which is a carryover from Special Projects in total of approximately \$0.914 million. Another eleven (11) projects are/were in various stages of construction, with a total value of approximately \$25.3 million.

**PRIVATE PROJECTS:**

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

In total nearly 60 private projects were initiated during the fiscal year. The private projects require critical project management and inspection as they include review and approval of cost breakdowns, easements, conveyances, and as-builts.

In summary, the division completed the following:

- 41 Preconstruction Meetings
- 18 final inspections
- 8 certificate of completions

The Construction Management Division has proposed allowing DOW Operations to once again install service laterals to reduce the requirements and overall costs on our customers while increasing revenue for DOW when the FRC increase is implemented. Once this directive is implemented, it will allow the Construction Management and Engineering Division to concentrate on DOW Water Plan 2020 projects much more.

## **5. WATER QUALITY DIVISION**

### **Program Description**

The Water Quality Division consisting of two (2) Water Microbiologists and one (1) chemist is responsible for the quality and safety of the water provided by the Kauai Department of Water. The division oversees the Water Departments compliance with the Environmental Protection Agency's (EPA) Safe Drinking Water Act (SDWA). This entails that we meet the requirements of all the rules and regulations set forth by the SDWA. There are microbial and chemical aspects to the SDWA. Much of the required microbial testing is performed at the Water Quality Division's laboratory. Basic chemistry is performed in the Lab as well. Much of the more involved testing is done by Eurofins Analytical and the Hawaii Department of Health's Laboratory in Honolulu.

The Water Quality Division also provides in house testing for the DOW's Operations Division. Major main breaks and new infrastructure are tested for coliforms as well as other chemical/physical analysis. Wells are also tested for microbial contaminant on a regular basis as well as when new pumps are repaired or installed.

The Division also addresses customer inquiries regarding water quality and health/safety concerns. This is done by phone or in person (visits to customers).

The Division provides the data needed to complete the annual Consumer Confidence Reports.

### **Program Objectives**

1. Maintain good water quality in our current and future distribution systems
  - a. Continue compliance microbial sampling
  - b. Update sampling points as necessary reflecting population and community growth

- c. Develop and implement a distribution monitoring and maintenance program
2. Meet EPA-SDWA drinking water standards by working with the DOH's Safe Drinking Water Branch
  - a. Utilize SDWIS and SCRS data management systems
  - b. Meet sample deadlines
3. Place more dedicated sampling stations in our distribution systems
  - a. Work with Ops to install dedicated sample stations
  - b. Work with Engineering to have stations installed in new subdivisions

#### **Program Highlights**

1. The Water Quality Division's Sample Reservation and Collection System (SCRS) allows the DOW to schedule and track chemical samples more effectively.
2. In addition, a new Autoclave is operational. Awaiting reverse osmosis system to be installed to feed pure water to Autoclave to extend its working life.
3. Unregulated Contaminants Monitoring Rule (UCMR) 3 Phase I starts on November 2013. Second phase will be in May of 2014.
4. Disinfection Byproduct Rule Stage 2 study is set to begin in October 2013.
5. Meeting all existing Safe Drinking Water Act (SDWA) rules and standards.

## **6. OPERATIONS DIVISION**

#### **Program Description**

The Operations Division is responsible for maintaining and operating the Department's water distribution network, water storage facilities and water producing sources. This infrastructure provides potable water to approximately twenty-thousand (20,000) metered services in sufficient quantities, at adequate pressures, with minimum interruptions and of a quality safe and suitable for human consumption as mandated by the United States Environmental Protection Agency (USEPA) and the Safe Drinking Water Act (SDWA)

As water is an essential commodity, emergency repairs and trouble calls are provided round-the-clock on an as-needed basis. In order to accomplish its mission, the Operations Division maintains and stocks a complete inventory of materials and supplies for assurances that repairs are completed in a timely manner. This Division handles the smaller construction projects and participates in large pipeline installation projects. It also initiates field engineering to ensure efficient operations. Along with the responsibilities of providing potable water, it provides the Department's fleet management functions and is responsible for the maintenance, repairs and replacement of vehicles and equipment.

Under the direction of the Chief of Operations, the Division consists of the Plant Operations Section and the Field Operations Section. There are forty two (42) permanent positions budgeted for the Division for FY 2012-2013.

**Program Objectives**

Our daily activities are centered along the following:

- a. Operating, monitoring and maintaining fifty-two (52) deep-well pumping stations, nineteen (19) booster pumping stations along with its associated electrical motor control centers and chlorination disinfection equipment, four (4) tunnel sources, sixty (60) storage tanks, and seventy-five (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 Department’s forty- six (46) vehicles, two (2) backhoes, four (4) skid steer loaders along with their various attachments, one mini-excavator, one (1) portable air compressor, twelve (12) trailers, seventeen (17) trailer-mounted generators ranging in sizes from seventy (70) KW to four hundred (400) KW, two (2) light towers, two (2) directional arrow boards and numerous motorized hand-operated construction equipment.
- d. Operating, monitoring and maintaining four hundred (400) + miles of pipelines and approximately more than twenty-thousand (20,000) consumer water service connections and meters, four thousand (4,000) + valves, twenty-four hundred (2400) + hydrants and standpipes.
- e. Installing new service connections and meters including the replacement of defective meters and those in service for twenty (20) years. Providing temporary water services through hydrant meter connections for construction activities like dust control and landscaping.

**Program Highlights**

Field Operations Section Statistics      FY 2012 – 2013

Repair Mainline Leaks .....	79
Repair Service Lateral Leaks.....	78
Repair Leaks within Meter Boxes .....	83
Respond to Report of Leak, Customer Side .....	33
Install Service Lateral.....	22
Install New Meters .....	241
Replace Defective Meters.....	146
Replace Meter Box and Cover .....	14
Live Taps and Contractor Waterline Shutdowns.....	52
One Call Center Tickets .....	274
Fire Hydrant Preventative Maintenance .....	216
Fire Hydrant Corrective Maintenance and Replacements.....	28

Besides our daily activities, some of the major occurrences and tasks performed by the Operations Division during FY 2012 – 2013 were:

- a. Field Operations crews completed the relocation and replacement of flood prone damage segment of the Asbestos Concrete transmission line in Hanapepe Valley with Ductile Iron Pipe.
- b. The new Water Plant Operator, Working Supervisor was filled.
- c. Two vacant positions for Pipefitter Fitter Helpers were filled.
- d. One (1) electrician’s van was delivered and received while one (1) field operations repair truck was purchased and awaiting delivery.
- e. Assisted other Divisions by repairing distribution lines damaged by contractors working on pipe replacement projects associated with Water Plan 2020.
- f. Assisted other Divisions in construction plan review of DOW facilities improvements, expansions, repairs and maintenance.
- g. The Department of health conducted Sanitary Surveys in our Kilauea, Anahola and Kekaha-Waimea Water System this past fiscal year.
- h. Procured the professional services for the maintenance of island-wide SCADA system.
- i. Our Water Plant Operators are working at some of our deep well sites to convert the existing gas chlorination disinfection systems to liquid sodium hypochlorite disinfection systems. This fiscal year, nine (9) sites were converted to sodium hypochlorite.
- j. Operations Division personnel completed the demolition of the Kalaheo Nursery and installed temporary tanks to maintain water service for affected customers.
- k. Operations Division personnel worked with Department of Public Works personnel in replacing damaged water main along Pua Nani Street. Damage occurred during heavy rains on March 2012.
- l. Operations Division personnel worked with Department of Public Works, Kauai Fire Department and KIUC in protecting well and tank sites during the Kekaha brush fire.
- m. On several occasions, field operations personnel assisted Construction Management Division’s Water Plan 2020 contractors performing overnight work and tie-ins by operating valves and going house-to-house notifying customers and residents of planned water outage to allow the contractors to tie-in to existing water mains.
- n. SCADA server system upgrade located at the Pua Loke base yard was procured.
- o. Operations Division personnel performed in-house construction, repair, maintenance

FY13 Completed Jobs: Plant Operations Section

1. Removed and replaced Hanapepe Well #4 Booster Pump.
2. Replace pressure transmitter for Medeiros Booster Pump, Kalaheo Clearwell Tank site.
3. Demolish old Kalaheo Nursery Tank and install temporary tanks inside old tank structure.

4. Remove and replace circuit breaker, controls, and Booster Pump for Lāwa'i Well #2 chlorine system.
5. Replace batteries and battery charger for solar system at Andrade Tank site.
6. Replace 17 OITs at remote SCADA Remote Terminal Unit sites around island.
7. Replace SCADAPak 32P at Princeville Submaster.
8. Install Puhi Well #4 pump and motor and convert to Sodium Hypochlorite.
9. Convert Kalaheo Deep Well #1 to Sodium Hypochlorite.
10. Convert Kalaheo Deep Well #2 to Sodium Hypochlorite.
11. Remove and replace failed shaft at Kalaheo Deep Well #2.
12. Convert Kekaha Shaft to Sodium Hypochlorite.
13. Convert Koloa Well F to Sodium Hypochlorite.
14. Convert Paua Valley to Sodium Hypochlorite.
15. Convert Waimea Well A to Sodium Hypochlorite.
16. Convert Piwai Well #2 to Sodium Hypochlorite.
17. Convert Piwai Well #3 to Sodium Hypochlorite.
18. Cleaned, replaced filters, and installed Air Purifier in billing section of front office.
19. Changed out Engineering Division side door to one without window for security purposes.
20. Installed security door in front office hallway to prevent unauthorized access to employee areas.
21. Refurbished the Billing section counter to increase security of employees from angry customers.
22. Installed deflector plate for billing section A/C ventilation to diffuse air flow.
23. Manufactured steps for front office billing chairs.
24. Completed Sanitary Survey corrections for sites in the Kilauea System.
25. Completed Sanitary Survey corrections for sites in the Anahola System.
26. Completed Sanitary Survey corrections for sites in the Kekaha System.
27. Completed Sanitary Survey corrections for sites in the Waimea System.
28. Installed duckbill valve for discharge of Kilauea Well #1.
29. Installed duckbill valve for Kilohana Well A & B discharge.
30. Cleared landslide debris from Hanamā'ulu 393' 1.0 MG tank site, cleared site access road, and replaced fence with barb wire top.
31. Refurbished site drainage for Hanamā'ulu 393' 1.0 MG tank site, installed new rip-rap and drainage culvert to prevent washout of site access road.
32. Installed SCADA shelter for RTU at Kilauea Tank site submaster.
33. Installed SCADA shelter for RTU at Nonou 2.0 MG tank site submaster.
34. Cleaned, snaked, and replaced covers for Ops/Admin Aerobic Digester system.
35. Replaced air pump for Ops/Admin Aerobic Digester system.
36. Cleared landslide debris from Kalepa Tank site, cleared site access road, and replaced fence with barb wire top.
37. Completed installation of automatic entrance gate to DOW base yard.
38. Installed new 8' fence for security purposes behind Auto Mechanic Shop.
39. Installed new 8' manual gate for side access to DOW base yard.

40. Replaced roof, jalousie windows, fascia, and top of electrical box at Koloa Well D.
41. Manufactured and installed new cover for access to Garlinghouse Well.
42. Installed new Premium Efficient motor at Garlinghouse Well.
43. Installed new Premium Efficient motor at Anahola Well A.
44. Replaced burnt motor at Anahola Well C.
45. Installed new motor on Kilohana Well I.
46. Remove Hanamā'ulu Well #3 and inspect well.
47. Repair road at Po'ipū Wells C and D.
48. Install restraining threaded rod at Po'ipū Well F to prevent pipe from pulling out on s/u and s/d.
49. Complete Kapaa Well #3 and bring online.
50. Make temporary repairs to Waipao Valley Well chlorine BP system, replace failed BPs with DOW BP.
51. Install new culvert and drainage box for the dump to waste water from Kekaha Shaft Well, clean existing road and drainage ditch.
52. Change out Motor Saver at Paua Valley Well.
53. Change out safety switch at Puhi Well #4.
54. Perform pre-hurricane checks of all 17 Emergency Generators and load test.
55. Install Soda Ash pumping system at Wainiha Robinson Well for pH control.
56. Replace magflow meter at Kalaheo Well #2.
57. Replace paddlewheel flow meter at Waimea Well B.
58. Replace old Lāwa'i Metritape Tank level indicator with MJK level probe.
59. Replace paddlewheel flow meter at Koloa Well A.
60. Replace micro switch at Eleele BP station, refurbish Cla-Val.
61. Repair Hanamā'ulu BP station Cla-Val for flow from Lihue to Wailua.
62. Install electrical outlet in Admin server room for new phone system.
63. Repair pavement at Grammar School well.
64. Remove 40' Palm Tree from Grammar School Well site.
65. Pour pad at Kalaheo DWs for conversion to Sodium Hypochlorite.
66. Replace 1 inch prelube solenoid at Hanapepe Well #4.
67. Replace 2 inch prelube solenoid at Kalaheo DW #1.
68. Replace 2 inch prelube solenoid at Kalaheo DW #2.
69. Remove old Kilauea BP box, pump, and electrical.
70. Replace safety switch at Lāwa'i Well #2.
71. Demolish old Gas Chlorine shed at Anahola Tank site.
72. Rip out carpet in Fiscal Section.
73. Repair hole in roof of Garlinghouse Well MCC room.
74. Replace 6" transition coupling at Puhi Well #4.
75. Change out RTM at Andrade BP #1.
76. Replace Hanapepe Well B prelube solenoid.
77. Install post and chain at Waimea Well A to prevent unauthorized access behind site.
78. Repair air compressor for Kilohana Wells A, B, and I level indication.
79. Replace wheels on cart for Pipe Tapping Machine.

80. Remove and replace solenoid valve for chlorine injection at Lāwa'i Well #2.
81. Replace ultrasonic level detector at Grove Farm Tank.
82. Replace ultrasonic level detector at Kalaheo Nursery Temp tanks.
83. Install latch and lock at Kekaha Shaft well access.
84. Replace Hanapepe Well A motor saver and breaker.
85. Replace Nonou Well C flow probe.
86. Replace gasoline pump at DOW base yard.
87. Replace Kalaheo Clearwell ultrasonic level detector.
88. Remove and replace chlorine metering pump at Koloa Well E.
89. Remove and replace Kilohana Wells BP.
90. Remove and replace Paua Valley Well BP.
91. Change out Kalaheo Well #1 to Rosemount pressure transmitter.
92. Remove and replace Grammar School Well chlorine BP.
93. Remove and replace chlorine metering pump at Koloa Well F.
94. Servicing of all automotive vehicles at DOW, 65 vehicles total, including heavy machinery.
95. Replace engine in CK-1790.
96. Replace transmission and PTO compressor in CK-2047.
97. Repair A/C in CK-1972.
98. Repair blown tire in CK-1645.
99. Replace relay for compressor fan in CK-2049.
100. Replace driver side window CK-1816.
101. Fix blown head gasket CK-1645.
102. Install springs on trailer ramps CK-0583.
103. Replace brakes on CK-1771.
104. Repair plate compactor.
105. Repair light towers, replace bulbs, replace light fixture.
106. Replace trailer lights on Water Buffalos.
107. Servicing of fixed and trailer mounted emergency generators.
108. Perform annual inspection of crane truck.
109. Repair target saw.
110. Repair Kubota zero turn mower.
111. Repair engine oil leak CK-2049.
112. Replace broken turnbuckles on Skid Steer loader.
113. Replace head lights CK-1790.
114. Recharge A/C system CK-1636.
115. Replace tires on multiple DOW vehicles.
116. Repair multiple small power tools and powered saws.

## **7. FISCAL DIVISION**

### **Program Description**

The Fiscal Division is responsible for administering the fiscal programs of the Department. Under the direction of the Waterworks Controller, the Division consists of Accounting Section and Consumer Service/Billing Section. There were 19 permanent positions budgeted for the division for FY 2012-13. Programs of the Division include:

1. Administers the general and customer accounting systems including cash management, cost accounting, payroll, leave records, accounts payable, general and utility plant accounting, consumer billing and accounting, and meter reading.
2. Prepares financial and statistical reports: Conduct internal audits and financial and statistical studies of the Department for reports and rate making.
3. Assists the Manager in the development of the annual budget.

### **Program Objectives**

#### Waterworks Controller

1. Administer the affairs of the Fiscal Division and all programs assigned to it.
2. To preserve the financial integrity of the Department through internal control and annual financial audits.
3. To generate a return of investments and to insure deposits with financial institutions are fully collateralized.
4. Ensuring the availability of funds to meet cash flow requirements.

#### Accounting

1. To provide accurate, complete, and timely recording and reporting of the financial transactions and activities of the Department.
2. To process the Department's payroll in a timely manner.
3. To process accounts payable and issue payments in a timely and efficient manner.
4. Accountability of the Utility Plant Assets and Property.

#### Consumer Service

1. To provide timely billing, collection, accounting and depositing of water bills and jobbing invoices.
2. Process meter applications and new services.
3. Service customers who inquire about billing, payment and collection matters.
4. Maintain records of accounts receivable.

### **Program Highlights**

1. Water sales and other revenues for the fiscal year ended June 30, 2013 amounted to \$ 25.8 million. The Department provided water service to approximately 21,263 customer accounts and the quantity of water sold totaled 4.505 billion gallons.
2. Operating expenses and debt service amounted to \$19.623 million; \$6.162 million of which was for debt service, while cost of water purchased and electrical power purchased for pumping amounted to \$1.583 million and \$3.162 million respectively which represent the other major components of our total operating expenses.

3. The Department worked hand in hand with the Honolulu Board of Water Supply (HBWS) towards the implementation of the Customer Care & Billing (CC&B, fka LOIHI) program. The major component of this project was the conversion of the bi-monthly billing into a monthly billing system. This billing transition was implemented and went live on January 22, 2013.
4. The Department initiated the IT Strategic Review, Planning and Implementation Strategy in FY 2013. An outside consultant was engaged to conduct the strategic review; desk audits were performed in all the divisions of the department and a 5 year plan implementation was recommended. The board approved the IT Strategic plan as recommended by the Consultants.
5. Phase I of the Strategic Plan Implementation was started to redevelop the chart of accounts and re-implement the Financial Accounting System. It is expected to be completed in FY 2014.
6. A summary of changes in the physical assets of the Department of Water:

**Kauai County - Department of Water**

**June 30, 2013**

**Utility Plant Additions**

<b>Date</b>	<b>Job / Work Order</b>	<b>Description</b>	<b>Asset</b>	<b>Account</b>	<b>Debit</b>
7/1/2012	Job 2002-05	Nawiliwili Road Tank Capitalized Interest	Job 02-05 Nawiliwili Tank	321	28,311.85
4/30/2013	Job 2004-06 KW-20	Kekaha Well "B" Renovations	Job 04-06 KW-20 Kekaha Well "B" Renovations	321	792,632.81
6/30/2013	Job 2004-06 KW-20	Kekaha Well "B" Renovations Capitalized Interest FY13	Job 04-06 KW-20 Kekaha Well "B" Renovations	321	66,162.71
4/30/2013	Job 2004-06 KW-20	Waimea Well "A" Renovations	Job 04-06 KW-20 Waimea Well "A" Renovations	321	196,070.67
4/30/2013	Job 2004-06 KW-20 (C121613)	Waimea Well "A" Renovations	Job 04-06 KW-20 Waimea Well "A" Renovations	321	479.83
6/30/2013	Job 2004-06 KW-20	Waimea Well "A" Renovations Capitalized Interest FY13	Job 04-06 KW-20 Waimea Well "A" Renovations	321	16,366.43
7/1/2012	Job 2005-03	Kapilimao 0.5 MG Tank Capitalized Interest	Job 05-03 Kapilimao 0.5 MG Tank	321	10.25
5/31/2013	C121234 (Job 11-09)	Install Temporary Tanks & Connecting Pipelines	C121234 - Job 11-09 Kukuilonono Tank	321	44,622.34
6/30/2013	C121234 (Job 11-09)	Install Temporary Tanks & Connecting Pipelines Capitalized Interest FY13	C121234 - Job 11-09 Kukuilonono Tank	321	2,359.22
2/28/2013	C120856	Construct SCADA Shelter for Nonou Tanks	C120856 - SCADA Shelter - Nonou Tanks	321	14,079.74
6/30/2013	C120856	Construct SCADA Shelter for Nonou Tanks Capitalized Interest FY13	C120856 - SCADA Shelter - Nonou Tanks	321	744.41
9/30/2012	C120855	Construct SCADA Shelter & Wells Cabinets for Kilauea Tanks	C120855 - SCADA Shelter & Wells Cabinets - Kilauea Tanks	321	20,948.44
6/30/2013	C120855	Construct SCADA Shelter & Wells Cabinets for Kilauea Tanks Capitalized Interest FY13	C120855 - SCADA Shelter & Wells Cabinets - Kilauea Tanks	321	1,107.56

				<b>Structures &amp; Improvements - Pumping</b>	<b>\$ 1,183,896.26</b>
10/31/2012	C110948	Upgrade Kalaheo Deep Well Motor.	C110948 - DW Motor-Kalaheo	325	27,727.84
6/30/2013	C110948	Upgrade Kalaheo Deep Well Motor Capital Interest FY13	C110948 - DW Motor-Kalaheo	325	1,465.99
7/1/2012	Job 2002-05	Nawiliwili Road Tank Capitalized Interest	Job 02-05 Nāwiliwili Tank	325	21,660.53
4/30/2013	Job 2004-06 KW-20	Kekaha Well "B" Renovations	Job 04-06 KW-20 Kekaha Well "B" Renovations	325	138,327.14
6/30/2013	Job 2004-06 KW-20	Kekaha Well "B" Renovations Capitalized Interest FY13	Job 04-06 KW-20 Kekaha Well "B" Renovations	325	11,546.45
4/30/2013	Job 2004-06 KW-20	Waimea Well "A" Renovations	C121613 - Job 04-06 KW-20 Waimea Well "A"	325	730,315.05
4/30/2013	Job 2004-06 KW-20 (C121613)	Waimea Well "A" Renovations	Job 04-06 KW-20 Waimea Well "A" Renovations	325	1,787.27
6/30/2013	Job 2004-06 KW-20	Waimea Well "A" Renovations Capitalized Interest FY13	Job 04-06 KW-20 Waimea Well "A" Renovations	325	60,960.92
5/31/2013	Job 2011-14	Puhi Deepwell #4	Job 11-14 Puhi Well #4	325	62,647.25
6/30/2013	Job 2011-14	Puhi Deepwell #4 Capitalized Interest FY13	Job 11-14 Puhi Well #4	325	3,312.21
6/30/2013	Job 2012-08	Kalepa Back Pressure Valve Electrical Replacement	Job 12-08 Kalepa Back Pressure Valve	325	21,092.12
6/30/2013	Job 2012-08	Kalepa Back Pressure Valve Electrical Replacement Capitalized Interest	Job 12-08 Kalepa Back Pressure Valve	325	1,115.16
10/31/2012	Job 2005-03 C121566	Kapilimao 0.5 MG Tank	Job 05-03 Kapilimao 0.5 MG Tank	325	4,765.25
7/1/2012	Job 1994-4	SCADA Capitalized Interest	Job 94-4 SCADA	325	53,617.06
				<b>Electric Pumping Equipment</b>	<b>\$ 1,140,340.24</b>
4/30/2013	Job 2004-06 KW-20	Kekaha Well "B" Renovations	Job 04-06 KW-20 Kekaha Well "B" Renovations	332	28,341.91
6/30/2013	Job 2004-06 KW-20	Kekaha Well "B" Renovations Capitalized Interest FY13	Job 04-06 KW-20 Kekaha Well "B" Renovations	332	2,365.75
4/30/2013	Job 2004-06 KW-20	Waimea Well "A" Renovations	Job 04-06 KW-20 Waimea Well "A" Renovations	332	3,842.68
6/30/2013	Job 2004-06 KW-20	Waimea Well "A" Renovations Capitalized Interest FY13	Job 04-06 KW-20 Waimea Well "A" Renovations	332	320.76
4/30/2013	Job 2004-06 KW-20 (C121613)	Waimea Well "A" Renovations	Job 04-06 KW-20 Waimea Well "A" Renovations	332	9.40
				<b>Water Treatment Equipment</b>	<b>\$ 34,880.50</b>
7/1/2012	Job 2005-03	Kapilimao 0.5 MG Tank Capitalized Interest	Job 05-03 Kapilimao 0.5 MG Tank	342	92.23
				<b>Reservoirs &amp; Standpipes</b>	<b>\$ 92.23</b>
6/30/2013	KMN LLC Subdivision	3 DSL & 2 SSL, S-2009-8, TMK:4-1-006:107, UID#5652	DI, 6 in.	343	42,877.85
7/1/2012	Job 2002-05	Nāwiliwili Road Tank Capitalized Interest	Job 02-05 Nāwiliwili Tank	343	23,523.62
5/31/2013	C121001	Job 02-15, Main Replacement Phase 1, Wailua Hslts.	Job 02-15 Main Repl. Ph 1 - C121001	343	1,303.50

8/31/2012	C121264	Job 02-16, Pipe Replacement	Job 02-16 Pipe Replacement - C121264	343	250.00
4/30/2013	Job 2002-16 WK-36	Job 02-16 Wk-36, Pipeline Replacement along Wailua, Ohana, Anolani & Kauamoo Rds & Lehia Lane	Job 02-16 Wk-36 Pipeline Replacement	343	1,361,432.64
6/30/2013	Job 2002-16 WK-36	Pipeline Replacement along Wailua, Ohana, Anolani & Kauamoo Rds & Lehia Lane Capitalized Interest	Job 02-16 Wk-36 Pipeline Replacement	343	96,880.70
6/30/2013	Job 2002-18 WK 32	Pipeline Replacement, Ph II, Kapaa Hmstds. Capitalized Interest	Job 02-18 WK 32 Pipeline Replacement Ph 2	343	7,297.34
7/1/2012	Job 2002-18 WK 32	Pipeline Replacement, Ph I, WL D-1 along Kaehulua Rd, Kapaa Hmstds. Capitalized Interest	Job 02-18 WK 32 Pipeline Replacement Ph I	343	90,514.26
6/30/2013	Job 2002-19 WK-12	Waipouli Main Replacement Capitalized Interest	Job 02-19 WK 12 Main Replacement	343	110,279.05
6/30/2013	Job 2002-19 WK-12	Waipouli Main Replacement	Job 02-19 WK 12 Main Replacement	343	2,128,586.91
5/31/2013	C120235	Job 02-19 Wk 12, Main Replacement Phase 2, Waipouli	Job 02-19Wk12 Main Repl Ph2 - C120235	343	909.75
4/30/2013	Job 2004-02 WK-14	Vivian Heights/Kanaele Road Pipeline Replacement	Job 04-02 WK-14 Pipeline Replacement	343	45,497.79
6/30/2013	Job 2004-02 WK-14	Vivian Heights/Kanaele Road Pipeline Replacement Capitalized Interest	Job 04-02 WK-14 Pipeline Replacement	343	7,269.55
7/1/2012	Job 2005-01 KW-16	Waimea Main Replacement Capitalized Interest	Job 05-01 KW-16 Waimea Main Replacement	343	291.71
7/1/2012	Job 2005-03	Kapilimao 0.5 MG Tank Capitalized Interest	Job 05-03 Kapilimao 0.5 MG Tank	343	222.17
9/30/2012	C121312	Job 05-05, Main Replacement at Nāwiliwili Rd.	Job 05-05 Main Replacement - C121312	343	393.00
9/30/2012	C121397	Job 05-05, Main Replacement at Nāwiliwili Rd.	Job 05-05 Main Replacement - C121397	343	229.50
10/31/2012	C121436	Job 05-05, Main Replacement at Nāwiliwili Rd.	Job 05-05 Main Replacement - C121436	343	1,130.00
6/30/2013	Job 2005-05, PLH-30	Main Replacement Phase 1, Nāwiliwili, Niumalu, & Kupolo 6", 8" & 12" Capitalized Interest	Job 05-05 PLH-30 Main Replacement Phase 1	343	196,542.30
4/30/2013	Job 2005-05, PLH-30	Job 05-05 PLH-30, Main Replacement Phase 1, Nāwiliwili, Niumalu, & Kupolo 6", 8" & 12"	Job 05-05 PLH-30 Main Replacement Phase 1	343	3,144,377.19
7/1/2012	Job 2005-06	Eiwa, Umi, Akahi & Hardy St/Alohi,Uiki & Lalei Place 8" Main Replacement Capitalized Interest	Job 05-06 Main Replacement	343	70,779.59
6/30/2013	Kauai Habitat for Humanity	6" WL (12" Alternative) Construction Plans, S-2006-49, (Eleele Luna Phases 1 & 2), TMK: 2-1-001:052	Kauai Habitat for Humanity, S-2006-49	343	469,505.60
6/30/2013	Kauai Habitat for Humanity	6" WL (12" Alternative) Construction Plans, S-2006-49, (Eleele Luna Ph 2 Offsite), TMK: 2-1-001:052 Capitalized Interest	Kauai Habitat for Humanity, S-2006-49	343	5,917.55
				<b>Transmission &amp; Distribution</b>	<b>\$ 7,806,011.57</b>

				Mains	
7/31/2012	Services	Services, July 2012	Copper, 1"	345	-
8/31/2012	Services	Services, August 2012	Copper, 1"	345	2,452.40
9/30/2012	Services	Services, September 2012	Copper, 1"	345	4,769.61
10/31/2012	Services	Services, October 2012	Copper, 1"	345	14,775.44
11/30/2012	Services	Services, November 2012	Copper, 1"	345	1,308.28
12/31/2012	Services	Services, December 2012	Copper, 1"	345	10,997.07
1/31/2013	Services	Services, January 2013	Copper, 1"	345	13,986.30
2/28/2013	Services	Services, February 2013	Copper, 1"	345	6,332.15
4/30/2013	Services	Services, March & April 2013	Copper, 1"	345	10,844.56
5/31/2013	Services	Services, May 2013	Copper, 1"	345	5,217.53
6/30/2013	Services	Services, June 2013	Copper, 1"	345	5,163.39
7/31/2012	Services	Services, July 2012	Copper, 1",Additional Cost	345	3,225.31
8/31/2012	Services	Services, August 2012	Copper, 1",Additional Cost	345	685.00
9/30/2012	Services	Services, September 2012	Copper, 1",Additional Cost	345	882.75
10/31/2012	Services	Services, October 2012	Copper, 1",Additional Cost	345	1,656.00
11/30/2012	Services	Services, November 2012	Copper, 1",Additional Cost	345	465.00
12/31/2012	Services	Services, December 2012	Copper, 1",Additional Cost	345	975.21
1/31/2013	Services	Services, January 2013	Copper, 1",Additional Cost	345	2,298.25
2/28/2013	Services	Services, February 2013	Copper, 1",Additional Cost	345	1,108.50
4/30/2013	Services	Services, March & April 2013	Copper, 1",Additional Cost	345	3,954.30
5/31/2013	Services	Services, May 2013	Copper, 1",Additional Cost	345	5,484.47
6/30/2013	Services	Services, June 2013	Copper, 1",Additional Cost	345	12,189.78
6/30/2013	Michael&Kelly Liberatore	WM Plan for Parcel 50, TMK:1-6-007:050, UID #815	Copper, 1"	345	8,338.50
6/30/2013	Eddie L. Portugal	2nd SSL Installation, Lot 1A, TMK:4-4-010:054, UID#735	Copper, 1"	345	6,343.00
6/30/2013	County Of Kauai	3rd SSL Installation, Lot 47, TMK:1-2-008:007, UID#771	Copper, 1"	345	15,379.00
6/30/2013	Tsao Ohana Estates	WS Connection, Condo UnitB, TMK:2-7-07:010,UID#794	Copper, 1"	345	5,132.00
6/30/2013	KMN LLC Subdivision	3 DSL & 2 SSL, S-2009-8, TMK:4-1-006:107, UID#5652	Copper, 1"	345	1,981.34
6/30/2013	Peter Thielen, "Manini Garden Estates"	2nd WM Plan for Lot B-2A, Unit 1, TMK:2-8-009:018, UID #803	Copper, 1"	345	7,026.00
6/30/2013	Kamalu KB, LLC	2nd WM Plan for Lot 2, Unit 1, Wailua Hmstds.,TMK: 4-2-003:051, UID #780	Copper, 1"	345	14,809.00
6/30/2013	Jeff & Joy Griffin	WM Plan for Iron Heights Condo. Unit B,TMK: 4-4-004:052, UID #799	Copper, 1"	345	2,252.65
6/30/2013	John & Pennie Wyatt	2nd SSL Installation, Lot D, Unit 2, TMK:4-2-05:014, UID#827	Copper, 1"	345	10,858.00
6/30/2013	Walter R. Stocker	WM Plan for Lot 9, TMK:4-6-034:028, UID#864	Copper, 1"	345	4,285.50
6/30/2013	Kauai Christian Fellowship	Construction Plans for Domestic WM Plan & 6" RPDA Line for Parcel 21,TMK:2-8-022:021, UID	Copper, 1"	345	8,378.40

		#797			
6/30/2013	R. Yates & Keahi Family Trusts	SSL & Backflow Preventer, Lot 5A & Relocation of 1" WM, Lot 2B, TMK:2-8-19:043, UID#814	Copper, 1.5"	345	17,166.05
6/30/2013	Wailua Ranch, LLC	DSL for Lots 159A-1 & 3, S-2012-14.TMK:4-4-008:003	Copper, 1.5", Double	345	6,253.00
6/30/2013	Stanley Narramore	DSL for Lots 32B & C, S-2008-1.TMK:2-46014:032	Copper, 1.5", Double	345	14,842.00
6/30/2013	Alexander Vacarro	WM Plan for Lot 66, TMK:2-4-002:009, UID #861	Copper, 1.5", Double	345	6,466.46
6/30/2013	KMN LLC Subdivision	3 DSL & 2 SSL, S-2009-8, TMK:4-1-006:107, UID#5652	Copper, 1.5", Double	345	4,623.11
6/30/2013	Aukahi Farm LLC	WM Plan, Lots 1-6,S-2009-17, TMK:2-8-012:001 & 011	Copper, 1.5", Double	345	20,564.00
6/30/2013	Alexander Vacarro	WM Plan for Lot 66, TMK:2-4-002:009, UID #861	Copper, 2.5", Quint	345	15,950.61
7/1/2012	Job 2002-05	Nāwiliwili Road Tank Capitalized Interest	Job 02-05 Nāwiliwili Tank	345	34.04
4/30/2013	Job 2002-16 WK-36	Job 02-16 Wk-36, Pipeline Replacement along Wailua, Ohana, Anolani & Kauamoo Rds & Lehia Lane	Job 02-16 Wk-36 Pipeline Replacement	345	87,198.91
6/30/2013	Job 2002-16 WK-36	Pipeline Replacement along Wailua, Ohana, Anolani & Kauamoo Rds & Lehia Lane Capitalized Interest	Job 02-16 Wk-36 Pipeline Replacement	345	6,205.15
7/1/2012/ 6/30/13	Job 2002-18 WK 32	Pipeline Replacement, Ph I, WL D-1 along Kaehulua Rd, Kapaa Hmstds. Capitalized Interest	Job 02-18 WK 32 Pipeline Replacement Ph I	345	8,663.84
6/30/2013	Job 2002-19 WK-12	Waipouli Main Replacement	Job 02-19 WK 12 Main Replacement	345	163,086.92
6/30/2013	Job 2002-19 WK-12	Waipouli Main Replacement Capitalized Interest	Job 02-19 WK 12 Main Replacement	345	8,449.30
7/1/2012	Job 2005-01 KW-16	Waimea Main Replacement Capitalized Interest	Job 05-01 KW-16 Waimea Main Replacement	345	19.62
4/30/2013	Job 2005-05, PLH-30	Job 05-05 PLH-30, Main Replacement Phase 1, Nāwiliwili, Niumalu, & Kupolo 6", 8" & 12"	Job 05-05 PLH-30 Main Replacement Phase 1	345	319,209.96
6/30/2013	Job 2005-05, PLH-30	Main Replacement Phase 1, Nāwiliwili, Niumalu, & Kupolo 6", 8" & 12" Capitalized Interest	Job 05-05 PLH-30 Main Replacement Phase 1	345	19,952.52
7/1/2012	Job 2005-06	Eiwa, Umi, Akahi & Hardy St/Alohi,Uiki & Lalei Place 8" Main Replacement Capitalized Interest	Job 05-06 Main Replacement	345	5,702.34
				<b>Services</b>	<b>\$ 897,942.52</b>
6/30/2013	Job 2002-19 WK-12	Waipouli Main Replacement	Job 02-19 WK 12 Main Replacement	346	11,139.82
6/30/2013	Job 2002-19 WK-12	Waipouli Main Replacement Capitalized Interest	Job 02-19 WK 12 Main Replacement	346	577.14
7/31/2012	Meters Installation	Meters Installed, July 2012	Meter, Various Sizes	346	8,516.55
8/31/2012	Meters Installation	Meters Installed, Aug 2012	Meter, Various Sizes	346	6,561.29
9/30/2012	Meters Installation	Meters Installed, Sept 2012	Meter, Various Sizes	346	2,716.60

10/31/2012	Meters Installation	Meters Installed, Oct 2012	Meter, Various Sizes	346	6,711.60
11/30/2012	Meters Installation	Meters Installed, Nov 2012	Meter, Various Sizes	346	3,816.60
12/31/2012	Meters Installation	Meters Installed, Dec 2012	Meter, Various Sizes	346	4,063.00
1/31/2013	Meters Installation	Meters Installed, Jan 2013	Meter, Various Sizes	346	4,029.00
4/30/2013	Meters Installation	Meters Installed, Feb 2013	Meter, Various Sizes	346	6,323.75
3/31/2013	Meters Installation	Meters Installed, Mar 2013	Meter, Various Sizes	346	3,051.39
5/31/2013	Meters Installation	Meters Installed, May 2013	Meter, Various Sizes	346	5,922.90
6/30/2013	Meters Installation	Meters Installed, June 2013	Meter, Various Sizes	346	6,772.86
7/1/2012	Transmitter	3" Turbo Series 2000 RTR, Orion Pit Data	Transmitter	346	7,086.40
				<b>Meters</b>	<b>\$ 77,288.90</b>
6/30/2013	C131042	Replace hydrant on Manu Road, Kekaha	(1) 2.5" x (1) 4.5"	348	1,713.29
6/30/2013	C131043	Replace hydrant on Manu Road, Kekaha	(1) 2.5" x (1) 4.5"	348	1,828.83
6/30/2013	C130993	Replace hydrant on Akialoa Road, Kekaha	(1) 2.5" x (1) 4.5"	348	1,828.83
6/30/2013	C131041	Replace hydrant on Kapaa Street, Kekaha	(1) 2.5" x (1) 4.5"	348	1,759.29
4/30/2013	C130709	Replace hydrant on Menehune Road, Waimea	(1) 2.5" x (1) 4.5"	348	1,667.29
5/31/2013	C130522	Replace hydrant on Huakai Road, Waimea	(1) 2.5" x (1) 4.5"	348	1,933.29
5/31/2013	C120175	Replace hydrant on Moi & Ahi Roads, Hanapepe	(1) 2.5" x (1) 4.5"	348	6,233.16
5/31/2013	C130864	Replace hydrant on Kane Road, Hanapepe	(1) 2.5" x (1) 4.5"	348	7,493.06
5/31/2013	C130428	Replace hydrant on Hanapepe Road, Hanapepe	(1) 2.5" x (1) 4.5"	348	11,849.87
6/30/2013	C130428	Replace hydrant on Hanapepe Road, Hanapepe Capitalized Interest	Capitalized Interest, FY13	348	626.51
6/30/2013	C130928	Replace hydrant on Puolo Road, Hanapepe	(1) 2.5" x (1) 4.5"	348	1,759.29
6/30/2013	C130985	Replace hydrant on Puolo Road, Hanapepe	(1) 2.5" x (1) 4.5"	348	1,713.29
6/30/2013	C130994	Replace hydrant on Puolo Road, Hanapepe	(1) 2.5" x (1) 4.5"	348	2,173.29
4/30/2013	C130722	Replace hydrant on Kikala Road, Kalaheo	(1) 2.5" x (1) 4.5"	348	1,805.29
5/31/2013	C121258	Replace hydrant on Puuwai & Wawae Rds, Kalaheo	(1) 2.5" x (1) 4.5"	348	2,000.29
2/28/2013	C130250	Replace hydrant on Ehako Street, Lawai	(1) 2.5" x (1) 4.5"	348	1,805.28
5/31/2013	C120363	Replace hydrant on Upa Road, Omao	(1) 2.5" x (1) 4.5"	348	6,463.49
5/31/2013	C120295	Replace hydrant on Waikomo Road, Koloa	(1) 2.5" x (1) 4.5"	348	1,759.29
4/30/2013	C130628	Replace hydrant on Hoone Road, Koloa	(1) 2.5" x (1) 4.5"	348	2,021.29
4/30/2013	C130692	Replace hydrant on Hoone Road, Koloa	(1) 2.5" x (1) 4.5"	348	1,881.29
4/30/2013	C130629	Replace hydrant on Kiahuna Plantation, Koloa	(1) 2.5" x (1) 4.5"	348	1,968.29
4/30/2013	C130630	Replace hydrant on Kiahuna Plantation, Koloa	(1) 2.5" x (1) 4.5"	348	1,968.29
4/30/2013	C130721	Replace hydrant on Pee Road, Koloa	(1) 2.5" x (1) 4.5"	348	1,920.83
4/30/2013	C130703	Replace hydrant on Hoonani Road, Koloa	(1) 2.5" x (1) 4.5"	348	2,348.62
5/31/2013	C130730	Replace hydrant on Keoniloa Place, Poipu	(1) 2.5" x (1) 4.5"	348	1,713.29
4/30/2013	C130715	Replace hydrant on Poipu Road, Koloa	(1) 2.5" x (1) 4.5"	348	1,851.29

5/31/2013	C130728	Replace hydrant on Hoohu Road, Koloa	(1) 2.5" x (1) 4.5"	348	1,713.29
4/30/2013	C130627	Replace hydrant on Kiahuna Plantation, Koloa	(1) 2.5" x (1) 4.5"	348	2,332.62
4/30/2013	C130625	Replace hydrant on Kiahuna Plantation, Koloa	(1) 2.5" x (1) 4.5"	348	2,026.62
5/31/2013	C130727	Replace hydrant on Poipu Road, Koloa	(1) 2.5" x (1) 4.5"	348	1,759.29
4/30/2013	C130716	Replace hydrant on Poipu Road, Koloa	(1) 2.5" x (1) 4.5"	348	1,851.29
4/30/2013	C130717	Replace hydrant on Poipu Road, Koloa	(1) 2.5" x (1) 4.5"	348	1,851.29
5/31/2013	C130784	Replace hydrant on Aukele Street, Lihue	(1) 2.5" x (1) 4.5"	348	1,760.76
5/31/2013	C130785	Replace hydrant on Peleke Street, Lihue	(1) 2.5" x (1) 4.5"	348	1,759.29
5/31/2013	C130783	Replace hydrant on Milikeleka Place, Lihue	(1) 2.5" x (1) 4.5"	348	1,759.29
6/30/2013	C131021	Replace hydrant on Hoala Street, Lihue	(1) 2.5" x (1) 4.5"	348	1,828.83
6/30/2013	C131020	Replace hydrant on Hoala Street, Lihue	(1) 2.5" x (1) 4.5"	348	1,759.29
7/31/2012	C120313	Replace hydrant on Kilikina Place, Lihue	(1) 2.5" x (1) 4.5"	348	1,713.29
6/30/2013	C131002	Replace hydrant on Unahe Street, Lihue	(1) 2.5" x (1) 4.5"	348	1,943.29
5/31/2013	C130489	Replace hydrant on Oama Place, Puhi	(1) 2.5" x (1) 4.5"	348	1,999.29
7/31/2012	C120385	Replace hydrant on Halelani Village in Puhi	(1) 2.5" x (1) 4.5"	348	1,713.29
7/31/2012	C120314	Replace hydrant on Halelani Village in Puhi	(1) 2.5" x (1) 4.5"	348	1,667.29
7/31/2012	C120386	Replace hydrant on Halelani Village in Puhi	(1) 2.5" x (1) 4.5"	348	1,667.29
7/31/2012	C120387	Replace hydrant on Halelani Village in Puhi	(1) 2.5" x (1) 4.5"	348	1,759.29
5/31/2013	C120425	Replace hydrant on Halelani Village, Puhi	(1) 2.5" x (1) 4.5"	348	1,731.29
2/28/2013	C130265	Replace hydrant on Akuli Street, Lihue	(1) 2.5" x (1) 4.5"	348	1,759.28
2/28/2013	C130289	Replace hydrant on Kūhi'ō Hwy., Hanamā'ulu	(1) 2.5" x (1) 4.5"	348	1,759.28
2/28/2013	C130264	Replace hydrant on Hanamā'ulu Road, Lihue	(1) 2.5" x (1) 4.5"	348	1,759.28
4/30/2013	C130705	Replace hydrant on Kūhi'ō Hwy., Hanamā'ulu	(1) 2.5" x (1) 4.5"	348	1,667.29
2/28/2013	C130288	Replace hydrant on Hauaala Road, Kapaa	(1) 2.5" x (1) 4.5"	348	1,759.28
8/31/2012	C121228	Replace hydrant on Hekili Road, Kapaa	(1) 2.5" x (1) 4.5"	348	7,755.88
2/28/2013	C130292	Replace hydrant on Hauaala Road, Kapaa	(1) 2.5" x (1) 4.5"	348	1,759.28
2/28/2013	C130290	Replace hydrant on Hauaala Road, Kapaa	(1) 2.5" x (1) 4.5"	348	1,865.64
2/28/2013	C130291	Replace hydrant on Hauaala Road, Kapaa	(1) 2.5" x (1) 4.5"	348	1,759.28
2/28/2013	C130266	Replace hydrant on Hekili Road, Kapaa	(1) 2.5" x (1) 4.5"	348	1,759.28
6/30/2013	C130908	Replace hydrant on Kanaele Road, Kapaa	(1) 2.5" x (1) 4.5"	348	1,824.63
3/31/2013	C130378	Replace hydrant on Kaapuni Road, Kapaa	(1) 2.5" x (1) 4.5"	348	1,795.28
2/28/2013	C130255	Replace hydrant on Kawaihau Road, Kapaa	(1) 2.5" x (1) 4.5"	348	1,828.82
3/31/2013	C130408	Replace hydrant on Koili Lane, Wailua	(1) 2.5" x (1) 4.5"	348	1,805.28
5/31/2013	C111777	Replace hydrant on Opaekaa Road, Kapaa	(1) 2.5" x (1) 4.5"	348	6,398.33
3/31/2013	C130409	Replace hydrant on Nalomeli Place, Wailua	(1) 2.5" x (1) 4.5"	348	1,828.82
3/31/2013	C130410	Replace hydrant on Kuamoo Road, Wailua	(1) 2.5" x (1) 4.5"	348	1,713.28
7/31/2012	C120007	Replace hydrant on Pulana	(1) 2.5" x (1) 4.5"	348	1,659.29

		Road, Wailua Hmstd			
5/31/2013	C120553	Replace hydrant on Nonou Road, Kapaa	(1) 2.5" x (1) 4.5"	348	2,407.11
7/31/2012	C120365	Replace hydrant on Alani Place, Kapaa	(1) 2.5" x (1) 4.5"	348	1,705.29
2/28/2013	C130284	Replace hydrant on 'Aliomanu Road, Anahola	(1) 2.5" x (1) 4.5"	348	1,920.82
2/28/2013	C130285	Replace hydrant on 'Aliomanu Road, Anahola	(1) 2.5" x (1) 4.5"	348	1,874.82
2/28/2013	C130286	Replace hydrant on 'Aliomanu Road, Anahola	(1) 2.5" x (1) 4.5"	348	1,920.82
9/30/2012	C121529	Replace hydrant on Kalalea Road, Anahola	(1) 2.5" x (1) 4.5"	348	1,771.29
5/31/2013	C130770	Replace hydrant on nearby Hanalei School in Hanalei	(1) 2.5" x (1) 4.5"	348	1,713.29
3/31/2013	C130377	Replace hydrant on Kaapuni Road, Kapaa	(1) 2.5" x (1) 4.5"	348	1,795.28
3/31/2013	C130374	Replace hydrant on Kaapuni Road, Kapaa	(1) 2.5" x (1) 4.5"	348	1,974.82
3/31/2013	C130375	Replace hydrant on Kaapuni Road, Kapaa	(1) 2.5" x (1) 4.5"	348	1,905.28
3/31/2013	C130376	Replace hydrant on Kaapuni Road, Kapaa	(1) 2.5" x (1) 4.5"	348	1,795.28
6/30/2013	Alexander Vacarro	WM Plan for Lot 66, TMK:2-4-002:009, UID #861	(1) 2.5" x (1) 2.5"	348	12,932.93
6/30/2013	KMN LLC Subdivision	3 DSL & 2 SSL, S-2009-8, TMK:4-1-006:107, UID#5652	(1) 2.5" x (1) 4.5"	348	3,412.30
6/30/2013	Jeff & Joy Griffin	WM Plan for Iron Heights Condo. Unit B, TMK: 4-4-004:052, UID #799	(1) 2.5" x (1) 2.5"	348	4,622.18
6/30/2013	Nalu Investment LLC	Constructions Plan for RPDA & Domestic WM, TMK: 1-6-08:010, UID #324	Detector Check, 4"	348	13,675.00
6/30/2013	Kauai Christian Fellowship	Construction Plans for Domestic WM Plan & 6" RPDA Line for Parcel 21, TMK:2-8-022:021, UID #797	Kauai Christian Fellowship 6" RPDA	348	33,513.60
6/30/2013	Kauai Housing Dev't. Corporation	WM Plan for Lot 4-B Paanau Village, TMK: 2-6-15:020, UID #811	Kauai Housing Dev't. Corp., UID #811 - DCM, CML & RPDA	348	82,387.00
7/1/2012	Job 2002-05	Nāwiliwili Road Tank Capitalized Interest	Job 02-05 Nāwiliwili Tank	348	163.32
4/30/2013	Job 2002-16 WK-36	Job 02-16 Wk-36, Pipeline Replacement along Wailua, Ohana, Anolani & Kauamoo Rds & Lehia Lane	Job 02-16 Wk-36 Pipeline Replacement	348	40,929.84
6/30/2013	Job 2002-16 WK-36	Pipeline Replacement along Wailua, Ohana, Anolani & Kauamoo Rds & Lehia Lane Capitalized Interest	Job 02-16 Wk-36 Pipeline Replacement	348	2,912.61
7/1/2012/ 6/30/13	Job 2002-18 WK 32	Pipeline Replacement, Ph II, Kapaa Hmstds. Capitalized Interest	Job 02-18 WK 32 Pipeline Replacement Ph 2	348	3,046.63
6/30/2013	Job 2002-19 WK-12	Waipouli Main Replacement	Job 02-19 WK 12 Main Replacement	348	83,827.12
6/30/2013	Job 2002-19 WK-12	Waipouli Main Replacement Capitalized Interest	Job 02-19 WK 12 Main Replacement	348	4,342.96
7/1/2012	Job 2005-01 KW-16	Waimea Main Replacement Capitalized Interest	Job 05-01 KW-16 Waimea Main Replacement	348	11.88
4/30/2013	Job 2005-05, PLH-30	Job 05-05 PLH-30, Main Replacement Phase 1, Nāwiliwili, Niumalu, & Kupolo 6", 8" & 12"	Job 05-05 PLH-30 Main Replacement Phase 1	348	53,137.80

6/30/2013	Job 2005-05, PLH-30	Main Replacement Phase 1, Nāwiliwili, Niumalu, & Kupolo 6", 8" & 12" Capitalized Interest	Job 05-05 PLH-30 Main Replacement Phase 1	348	3,321.43
7/1/2012	Job 2005-06	Eiwa, Umi, Akahi & Hardy St/Alohi, Uiki & Lalei Place 8" Main Replacement Capitalized Interest	Job 05-06 Main Replacement	348	3,461.71
				<b>Hydrants</b>	<b>\$ 515,622.21</b>
				<b>Total Utility Plant Additions, FY 2013</b>	<b>\$ 11,656,074.43</b>

**Kauai County - Department of Water**  
**June 30, 2013**  
**Abandoned Utility Plant**

<b>Job/Work Order Number</b>	<b>Job/Work Order Description</b>	<b>Description of Abandoned Asset</b>	<b>Qty.</b>	<b>Total Cost (Average)</b>
	Damaged/Obsolete Pump & Motor	Puhi Well #4 Pump & Motor	1	80,347.70
	Unusable SCADA 010	SCADA 010	1	1,699.00
			<b>Electric Pumping Equipment</b>	<b>82,046.70</b>
C121075	Replace Kekaha Shaft Booster Pump	Booster Pump (4RU78), DAYTON, 1 HP	1	4,484.09
C121457	Replace Paua Valley Well Booster Pump	Booster Pump, STARITE, JHE-63H, 1 HP	1	4,484.09
C121576	Replace Kilohana DW Booster Pump	Booster Pump, STARITE, JHE-63HL, 1 HP	1	4,484.09
	Remove & Replace Booster Pump	Booster Pump, STARITE, JHE-63HL, 1 HP	2	8,968.18
C120487	Abandon SYM COM PUMP SAVER #77 C - KW/HP	Sym Com Pump Saver #77 C - KW/HP	1	166.00
	Unusable 1 HP Starite	Booster Pump, STARITE, JHE-63HL, 1 HP	2	8,968.18
			<b>Water Treatment Equipment</b>	<b>31,554.63</b>
Job 02-16	Kuamoo Waterline Replacement	AC, 6 in.	230	5,777.60
Job 02-16	Kuamoo Waterline Replacement	CI, 6 in.	210	806.40
Job 02-16	Kuamoo Waterline Replacement	CI, 6 in.	1,065	4,089.60

Job 02-16	Kuamoo Waterline Replacement	Gate Valve, 2 in.	1	1,220.48
Job 02-16	Kuamoo Waterline Replacement	Gate Valve, 6 in.	1	1,733.00
Job 02-16	Kuamoo Waterline Replacement	Gate Valve, 6 in.	1	1,733.00
Job 02-16	Kuamoo Waterline Replacement	Gate Valve, 6 in.	1	1,733.00
Job 02-16	Kuamoo Waterline Replacement	Steel & Galvanized, 2 in. & smaller	340	581.40
Job 02-16	Kuamoo Waterline Replacement	Steel & Galvanized, 2 in. & smaller	270	461.70
Job 02-16	Kuamoo Waterline Replacement	Steel & Galvanized, 2 in. & smaller	280	478.80
Job 02-16	Kuamoo Waterline Replacement	Steel & Galvanized, 2 in. & smaller	380	649.80
Job 02-19	Waipouli Main Replacement	CI, 4 in.	310	613.80
Job 02-19	Waipouli Main Replacement	CI, 4 in.	300	594.00
Job 02-19	Waipouli Main Replacement	Galvanized, 2 in.	1,400	3,052.00
Job 02-19	Waipouli Main Replacement	Galvanized, 2 in.	220	479.60
Job 02-19	Waipouli Main Replacement	Galvanized, 4 in.	600	4,506.00
Job 02-19	Waipouli Main Replacement	Gate Valve, 2 in.	3	3,661.44
Job 02-19	Waipouli Main Replacement	Gate Valve, 2.5 in.	2	1,356.02
Job 02-19	Waipouli Main Replacement	Gate Valve, 4 in.	1	1,733.00
Job 02-19	Waipouli Main Replacement	Gate Valve, 4 in.	1	1,733.00
Job 02-19	Waipouli Main Replacement	Gate Valve, 4 in.	1	1,733.00
Job 02-19	Waipouli Main Replacement	PVC, 2 in.	440	3,251.60
Job 02-19	Waipouli Main Replacement	PVC, 2 in.	50	369.50
Job 02-19	Waipouli Main Replacement	CI, 4 in.	280	554.40
Job 02-19	Waipouli Main Replacement	Gate Valve, 2.5 in.	1	678.01
Job 02-19	Waipouli Main Replacement	Gate Valve, 4 in.	1	1,733.00
Job 02-19	Waipouli Main Replacement	Steel & Galvanized, 2 in. & smaller	100	171.00
Job 02-19	Waipouli Main Replacement	AC, 12 in.	104	3,180.32
Job 02-19	Waipouli Main Replacement	Gate Valve, 2 in.	3	3,661.44
Job 02-19	Waipouli Main Replacement	Gate Valve, 2.5 in.	1	678.01
Job 02-19	Waipouli Main Replacement	Gate Valve, 4 in.	1	1,733.00
Job 02-19	Waipouli Main Replacement	PVC, 1.5 in.	160	1,664.00
Job 02-19	Waipouli Main Replacement	PVC, 2 in.	260	1,921.40
Job 02-19	Waipouli Main Replacement	PVC, 2.5 in.	200	1,766.00
Job 02-19	Waipouli Main Replacement	PVC, 4 in.	295	4,823.25
Job 02-19	Waipouli Main Replacement	Steel & Galvanized, 2 in. & smaller	210	359.10
Job 02-19	Waipouli Main Replacement	Steel & Galvanized, 2 in. & smaller	1,200	2,052.00

Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	CI, 2 in.	2,160	2,160.00
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	12" x 8" Tee	1	2,264.47
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	AC, 12 in.	110	3,363.80
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	AC, 8 in.	110	3,063.50
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	ARV	1	1,344.25
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	ARV	1	1,344.25
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Gate Valve, 12 in.	1	2,047.38
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Gate Valve, 8 in.	1	1,733.00
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	12" x 8" Tee	1	2,264.47
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	CI, 6 in.	207	794.88
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Gate Valve, 12 in.	1	2,047.38
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Gate Valve, 6 in.	1	1,733.00
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	PVC, 2.5 in.	880	7,770.40
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	PVC, 4 in.	900	14,715.00
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	AC, 6 in.	465	11,680.80
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Gate Valve, 4 in.	1	1,733.00
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	PVC, 2 in.	200	1,478.00
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Steel & Galvanized, 4 in.	1,325	2,875.25
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Steel & Galvanized, 2 in. & smaller	160	273.60
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Steel & Galvanized, 2 in. & smaller	340	581.40
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Steel & Galvanized, 2 in. & smaller	420	718.20
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Steel & Galvanized, 2 in. & smaller	500	855.00
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Steel & Galvanized, 2 in. & smaller	813	1,390.23
			<b>Total Trans &amp; Dist Mains</b>	<b>135,553.93</b>
C130143	Replace 1" Galv SL to 1" Copper	Galvanized, 1"	1	44.50
C130194	Replace 1" Galv SL to	Galvanized, 1"	1	44.50

	1" Copper			
C130194	Replace 1" Galv SL to 1" Copper	Galvanized, 1"	1	44.50
C130194	Replace 1" Galv SL to 1" Copper	Galvanized, 1"	2	89.00
C130194	Salvage 2 Angle Heads	Angle Head	2	-
C130194	Salvage 2 Ball Valves	Ball Valve	2	836.88
C130194	Replace 1" Galv SL to 1" Copper	Galvanized, 1"	2	89.00
C130194	Replace 1-1/4" PVC DSL to 1-1/4" Copper	PVC, 1.25", Double	1	655.11
C130194	Replace 1" Galv DSL to 1" Copper	Galvanized, 1", Double	2	178.00
C130194	Replace 1" Galv DSL to 1" Copper	Galvanized, 1", Double	2	178.00
C130194	Replace 1" Galv DSL to 1" Copper	Galvanized, 1", Double	2	178.00
C130194	Replace 1" PVC DSL to 1" Copper	PVC, 1", Double	2	1,310.22
C130194	Replace 1" Galv SL to 1" Copper	Galvanized, 1"	1	44.50
Job 02-16	Kuamoo Waterline Replacement	Cast Iron, 4"	1	1,342.06
Job 02-16	Kuamoo Waterline Replacement	Galvanized, 1"	2	89.00
Job 02-16	Kuamoo Waterline Replacement	Galvanized, 1"	2	89.00
Job 02-16	Kuamoo Waterline Replacement	Galvanized, 1"	6	267.00
Job 02-16	Kuamoo Waterline Replacement	Galvanized, 1", Double	3	750.00
Job 02-16	Kuamoo Waterline Replacement	Galvanized, 1", Double	4	1,000.00
Job 02-16	Kuamoo Waterline Replacement	Various, 1"	4	1,589.16
Job 02-19	Waipouli Main Replacement	PVC, 1"	5	2,516.05
Job 02-19	Waipouli Main Replacement	Various, 1"	17	6,753.93
Job 02-19	Waipouli Main Replacement	Various, 1"	5	1,986.45
Job 02-19	Waipouli Main Replacement	Various, 1"	3	1,191.87
Job 02-19	Waipouli Main Replacement	Various, 1.25", Double	6	3,930.66
Job 02-19	Waipouli Main Replacement	Various, 1.25", Double	1	655.11
Job 02-19	Waipouli Main Replacement	Galvanized, 1"	3	133.50
Job 02-19	Waipouli Main Replacement	PVC, 1"	1	503.21
Job 02-19	Waipouli Main Replacement	PVC, 1.25", Double	2	1,310.22
Job 02-19	Waipouli Main Replacement	PVC, 1.25", Double	2	1,310.22
Job 02-19	Waipouli Main Replacement	Various, 1"	5	1,986.45
Job 02-19	Waipouli Main Replacement	Various, 1"	10	3,972.90
Job 02-19	Waipouli Main Replacement	Various, 1"	16	6,356.64
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Various, 1"	13	5,164.77
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Various, 1"	4	1,589.16

Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Various, 1"	19	7,548.51
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Various, 1.25"	2	1,107.70
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Various, 1"	29	11,521.41
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Various, 1"	4	1,589.16
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Various, 1.25"	12	6,646.20
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Various, 1.25"	4	2,215.40
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Various, 1"	5	1,986.45
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Various, 1"	5	1,986.45
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Various, 1"	8	3,178.32
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Various, 1.25"	6	3,323.10
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Various, 1.25"	10	5,538.50
			<b>Services</b>	<b>\$ 94,820.77</b>
			152	33,604.16
			2	760.66
			2	864.28
			1	1,112.64
			<b>Meters</b>	<b>\$ 36,341.74</b>
C131042	Replace hydrant A-033	(1) 2.5" x (1) 4.5"	1	1,946.16
C131043	Replace hydrant A-068	(1) 2.5" x (1) 4.5"	1	1,946.16
C130993	Replace hydrant A-074	(1) 2.5" x (1) 4.5"	1	1,946.16
C131041	Replace hydrant A-079	(1) 2.5" x (1) 4.5"	1	1,946.16
C130709	Replace hydrant B-014.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130522	Replace hydrant B-058	(1) 2.5" x (1) 4.5"	1	1,946.16
C130864	Replace hydrant C-014	(1) 2.5" x (1) 4.5"	1	1,946.16
C130428	Replace hydrant C-018.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130928	Replace hydrant C-025	(1) 2.5" x (1) 4.5"	1	1,946.16
C130994	Replace hydrant C-066	(1) 2.5" x (1) 4.5"	1	1,946.16
C130722	Replace hydrant D-087.	(1) 2.5" x (1) 4.5"	1	1,946.16
C121258	Replace hydrant D-118	(1) 2.5" x (1) 4.5"	1	1,946.16
C130250	Replace hydrant E-028.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130141	Replace hydrant G-112.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130628	Replace hydrant I-006.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130692	Replace hydrant I-007.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130629	Replace hydrant I-023.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130630	Replace hydrant I-024.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130721	Replace hydrant I-034.	(1) 2.5" x (1) 4.5"	1	1,946.16

C130703	Replace hydrant I-036.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130730	Replace hydrant I-038.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130715	Replace hydrant I-042.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130728	Replace hydrant I-045.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130627	Replace hydrant I-067.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130625	Replace hydrant I-079.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130727	Replace hydrant I-090.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130716	Replace hydrant I-109.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130717	Replace hydrant I-110.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130784	Replace hydrant J-084.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130785	Replace hydrant J-086.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130783	Replace hydrant J-087.	(1) 2.5" x (1) 4.5"	1	1,946.16
C131021	Replace hydrant K-004	(1) 2.5" x (1) 4.5"	1	1,946.16
C131020	Replace hydrant K-006	(1) 2.5" x (1) 4.5"	1	1,946.16
C131002	Replace hydrant K-226	(1) 2.5" x (1) 4.5"	1	1,946.16
C130489	Replace hydrant KI-080	(1) 2.5" x (1) 4.5"	1	1,946.16
C130265	Replace hydrant L-009.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130289	Replace hydrant L-072.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130264	Replace hydrant L-074.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130705	Replace hydrant L-087.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130288	Replace hydrant N-006.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130292	Replace hydrant N-057.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130290	Replace hydrant N-059.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130291	Replace hydrant N-060.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130266	Replace hydrant N-089.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130908	Replace hydrant N-117	(1) 2.5" x (1) 4.5"	1	1,946.16
C130378	Replace hydrant O-003	(1) 2.5" x (1) 4.5"	1	1,946.16
C130255	Replace hydrant Q-030.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130408	Replace hydrant R-031	(1) 2.5" x (1) 4.5"	1	1,946.16
C130409	Replace hydrant R-046	(1) 2.5" x (1) 4.5"	1	1,946.16
C130410	Replace hydrant R-049	(1) 2.5" x (1) 4.5"	1	1,946.16
C130284	Replace hydrant T-035R.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130285	Replace hydrant T-063.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130286	Replace hydrant T-064.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130770	Replace hydrant U-043.	(1) 2.5" x (1) 4.5"	1	1,946.16
C130377	Replace hydrant W-011	(1) 2.5" x (1) 4.5"	1	1,946.16
C130374	Replace hydrant W-012	(1) 2.5" x (1) 4.5"	1	1,946.16
C130375	Replace hydrant W-013	(1) 2.5" x (1) 4.5"	1	1,946.16
C130376	Replace hydrant W-014.	(1) 2.5" x (1) 4.5"	1	1,946.16
Job 02-16	Kuamoo Waterline Replacement	(1) 2.5" x (1) 4.5"	1	1,946.16
Job 02-16	Kuamoo Waterline Replacement	(1) 4.5" x (1) 2.5"	1	1,946.16
Job 02-16	Kuamoo Waterline Replacement	Branch Valve, 6 in.	1	1,253.18

Job 02-16	Kuamoo Waterline Replacement	Branch Valve, 6 in.	1	1,253.18
Job 02-19	Waipouli Main Replacement	(1) 3.5" x (1) 2"	2	3,892.32
Job 02-19	Waipouli Main Replacement	(1) 3.5" x (1) 2"	1	1,946.16
Job 02-19	Waipouli Main Replacement	(1) 3.5" x (1) 2"	1	1,946.16
Job 02-19	Waipouli Main Replacement	Gate Valve, 4 in.	1	1,733.00
Job 02-19	Waipouli Main Replacement	Gate Valve, 4 in.	1	1,733.00
Job 02-19	Waipouli Main Replacement	(1) 3.5" x (1) 2"	1	1,946.16
Job 02-19	Waipouli Main Replacement	Gate Valve, 4 in.	1	1,733.00
Job 02-19	Waipouli Main Replacement	(1) 3.5" x (1) 2"	1	1,946.16
Job 02-19	Waipouli Main Replacement	Gate Valve, 4 in.	1	1,733.00
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Standpipe, 2.5 in.	1	414.00
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	(1) 2.5"	1	812.18
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	(1) 2.5"	1	812.18
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Standpipe, 2.5 in.	3	1,242.00
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	(1) 2.5"	2	1,624.36
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Standpipe, 2.5 in.	1	414.00
Job 05-05	Nāwiliwili, Niumalu, Kupolo Mains Replacement	Standpipe, 2.5 in.	1	414.00
			<b>Hydrants</b>	<b>\$ 143,617.64</b>
			<b>TOTAL for FISCAL YEAR 2013</b>	<b>\$ 523,935.41</b>

**Kauai County - Department of Water**

June 30, 2013

**General Plant Additions**

June 30, 2013	Vendor	PO #	Quantity	Description/Type	Account	Cost
6/30/2013			1	Install pedestal for front gate pad, finishgate, install 8' fence	390	18,784.08
				<b>Structures &amp; Improvements - General Plant</b>		<b>18,784.08</b>
8/9/2012	Dell Computer Corporation	39479	1	PowerEdge 620	391.5	28,195.70
8/1/2012	Dell Computer Corporation	39479	1	24 Port Managed Switch	391.5	4,586.42
8/9/2012	Dell Computer Corporation	39479	1	Dell EqualLogic PS4100X	391.5	18,499.40
7/27/2012	Dell Computer Corporation	39479	81	Storage for Server	391.5	26,041.50
5/22/2013	Dell Computer Corporation	40700	1	Dell Tablet J3600	391.5	3,460.35
12/9/2012	Dell Computer Corporation	40023	1	Dell Motion J3500 Computer	391.5	3,257.32
6/19/2012	HP Direct	39201	1	HP DesignJet T7100 Printer	391.5	11,611.08
12/21/2012	Badger Meter	40076	4	Badger Meter Trimble Ranger Handheld	391.5	16,400.00
5/22/2013	HP Direct	40676	1	HP LaserJet Ent 600	391.5	1,195.00
5/31/2013	CDW Government Inc	40788	2	Cisco Server	391.5	3,801.84
12/20/2012	Dell Computer Corporation	40101	5	Dell Latitudes	391.5	5,140.60
				<b>Computer Hardwares &amp; Softwares</b>		<b>122,189.21</b>

**Kauai County - Department of Water  
June 30,2013**

**General Plant Retirements/Disposals**

<b>Description</b>	<b>Qty</b>	<b>Cost Basis</b>	<b>Accum Depr</b>	<b>Net Book</b>
Steel Case Cabinet	1	150.00	150.00	-
Desk Steel McDowell 30 x 60	1	319.92	319.92	-
Task Adjustable Chair, Beige	1	218.40	218.40	-
Adjustable Work Stn, Black/Walnu	1	321.25	321.25	-
	<b>Office Furniture &amp; Equipment</b>	<b>1,009.57</b>	<b>1,009.57</b>	<b>-</b>
Desk Steel 36 x 72 Mist Green	1	236.60	236.60	-
Vemco Drafting Machine	1	385.04	385.04	-
Pairs of Map Rack Holders (W.O.	75	192.99	192.99	-
Fabric Chair, Charcoal	1	223.60	223.60	-
4-Dwr Legal File Cabinet w/ Lock	1	83.33	83.33	-
CRT Dual Workstation, Walnut/Bla	1	135.14	135.14	-
Telog Water Level Tracker	1	845.00	845.00	-
Telog Transducer w/ Cable	1	1,632.00	1,632.00	-
Modular Files 42 x 24	2	195.50	195.50	-
Filing Cabinet 2437-24 108 Filin	1	421.92	421.92	-
IBM Selectric III Typwrtr 7-6705	1	1,200.00	1,200.00	-
Sony Digital Camcorder Model DCR	1	999.98	999.98	-
HON High Mobile Work Station	1	309.92	309.91	0.01
Level Transmitter Druck	1	2,322.77	2,322.57	0.20
Level Tracker Telog w/ Accessori	1	1,275.96	1,275.87	0.09
Solinst500	1	1,042.15	1,042.07	0.08
Exec Side Chair w/ Arms, Mist Gr	1	146.00	146.00	-
	<b>Engineering Furniture &amp;</b>	<b>11,647.90</b>	<b>11,647.52</b>	

	Equipment			\$ 0.38
JVC 26in Color Television	1	518.96	518.96	-
Desk Sen C6036W Dbl Pedestal (LY	2	440.00	440.00	-
Legal File Cabinet Art Steel w/4	1	169.26	169.26	-
Gray Wood Top	1	54.89	49.38	5.51
Executive Hi Back Gray Swivel Ti	1	382.82	344.51	38.31
Penco Products, E-Z Bit Storage	1	437.50	393.76	43.74
Chair, Swivel, Black	1	273.00	218.37	54.63
	<b>Shop Furniture &amp; Equipment</b>	<b>2,276.43</b>	<b>2,134.24</b>	<b>\$ 142.19</b>
Tu-Dror Mobile File Unit Desert	1	227.23	227.23	-
Xerox Memowriter	1	1,092.00	1,092.00	-
Laserjet 4M Plus	1	1,974.00	1,974.00	-
HON Exec Hi-Back Chair w/ Arms D	1	423.82	423.82	-
Desktop Organizer Light Gray	1	178.00	178.00	-
Desk Right Pedestal Left Hand Re	1	140.80	140.80	-
Articulating Computer Keyboard P	1	136.10	136.10	-
Kodak Projector Model BC5600Z w/	1	576.65	576.65	-
Overhead Projector #3890	1	436.80	436.80	-
Wall Screen Model B 72inx96in	1	227.09	227.09	-
	<b>Admin Furniture &amp; Equipment</b>	<b>5,412.49</b>	<b>5,412.49</b>	<b>-</b>
4-Drwr Legal File Cabinet w/Lock	1	83.33	83.33	-
	<b>Microlab Furniture &amp; Equipment</b>	<b>83.33</b>	<b>83.33</b>	<b>-</b>
Computer Networking System (Comp	1	101,307.12	101,307.12	-
(Additional)Computer Networking	1	20,682.43	20,682.43	-
Digital Printer/Plotter/Copier/S	1	43,367.34	43,367.34	-
	<b>Computer Hardwares &amp; Softwares</b>	<b>165,356.89</b>	<b>165,356.89</b>	<b>-</b>
1993 Ford F350, CK1410	1	23,182.39	23,182.39	-
1997FordExplorerMPVH4WD4Dr4x4,CK	1	25,404.74	25,404.74	-
CK1524, final payment	1	1,337.00	1,337.00	-
1997FordExplorerMPVH4WD4Dr4x4,CK	1	25,404.74	25,404.74	-
CK1526, final payment	1	1,337.00	1,337.00	-
1997 Chev Cavalier 4 Dr Sedan,CK	1	13,344.71	13,344.71	-
1999FordRanger4x4SuperCabTruck,C	1	25,374.05	25,374.05	-
2001 Subaru MPVH,CK1684	1	24,890.00	24,890.00	-
CK1684, final payment	1	100.00	100.00	-
2002 Ford Ranger 4x4 XLT, CK1760	1	26,403.67	26,403.67	-
2003 Ford Ranger Truck 4x2 R/C,	1	15,085.00	15,085.00	-
	<b>Transportation Equipment</b>	<b>181,863.30</b>	<b>181,863.30</b>	<b>-</b>
Miller Big 20 Portable Welder	1	4,904.00	4,904.00	-
Arc Welding Power Supply w/ Acce	1	4,237.85	4,237.85	-
400-Gal Water Tanker On a Traile	1	400.00	400.00	-
Wheeler Snap HydraulicCutter w/	1	227.01	227.01	-
4in TappingEquipment-Mueller Tap	1	911.76	911.76	-
LANDA Portable Gas Cold Water Pr	1	3,303.91	3,303.91	-
HD-18 Heavy Duty Tube Benders	4	650.20	650.20	-
36in Aluminum Pipe Wrench w/ Cap	4	375.32	375.32	-
Battery Charger w/ BT 1000 Batte	1	600.00	600.00	-
3/4in to 1in Diameter Copper Tub	4	691.16	691.16	-
Headlight Aimer Kit for Safety C	1	354.16	354.16	-
Lock Core & Key Recombination Eq	1	2,600.00	2,600.00	-
Lock Core & Key Recomb Eq, Addtn	1	651.95	651.95	-

Pneumatic/Hydraulic Jack	1	995.00	995.00	-
Voltage Regulator	1	1,062.47	1,062.47	-
Tennsco Heavy Duty Industrial Wo	5	2,007.05	2,007.05	-
18 V Cordless Drill/Trim Saw Com	1	265.61	265.61	-
Axial Electric Blower w/ Built-i	1	500.00	500.00	-
Mueller	1	947.50	947.50	-
ClamCyl,Assy,RHforBH4(RplcmntCom	1	885.41	885.41	-
10 KW Generator w/ 4000 Watt Mod	1	9,791.60	9,791.60	-
5Gal HydraulicPump w/ 48in Relea	1	879.80	879.80	-
NBK 70 DER ZE Tool Box	1	380.75	380.75	-
4in Pilot Drill for CL12 Mueller	1	259.60	259.60	-
MJ O-Ring Adapter Gasket for CL-	1	738.50	738.50	-
Fluke 80 TIR Temperature Sensor	1	165.62	165.62	-
Fluke 1410 AC/DC Current Clamp	1	160.42	160.42	-
LP-1/LP-1B Turbo Torch Kit	1	307.04	307.04	-
Platform Truck, GB156, 2000 Lb C	1	282.59	282.59	-
5in BenchVise Installed on Table	1	475.75	475.75	-
Pneumatic Portable 11in Valve Op	2	11,625.00	11,625.00	-
6420 R. D. Service Jack	1	207.29	207.29	-
Stand for Generator	6	499.93	499.93	-
Stand for Generator	4	249.96	249.96	-
Pump, Fuel Transfer, Heavy Duty	2	684.68	684.68	-
Vise, Yoke, Reed Tools 1"-8"	1	1,357.64	1,357.64	-
Meter Tester, Mars Analyzer Kit	1	744.36	744.36	-
Detector, Metal and Pipe	1	354.15	354.15	-
Multimeter Clamp, 1E ACDC3000	1	450.00	450.00	-
Service Kit, Electro-Mechanical	2	2,151.04	2,151.04	-
Air Wrench, 3/8" Drive Impact	1	348.96	348.96	-
Timing Light, R. D. Advance	1	263.15	263.15	-
Socket Set, Flank Drive for FEMA	1	328.54	328.54	-
Drill, Air, 3/8" for FEMA111,112	1	290.63	290.63	-
Air Hammer for FEMA Generators	1	280.21	280.21	-
Roll Away for Tools, 8-Drawer	3	1,572.88	1,572.88	-
Chest for Tools, 6-Drawer	3	1,302.04	1,302.04	-
Tool Set, 1041-Piece	3	10,824.65	10,824.65	-
Tool Set, 94-Piece	3	1,593.27	1,593.27	-
Mechanic's Tool Set, 62- Piece	2	1,639.98	1,639.98	-
Mechanic's Tool Set, 62-Piece	1	819.99	819.99	-
Welder	1	2,500.00	2,500.00	-
	<b>Tools, Shop &amp; Garage Equipment</b>	<b>80,100.38</b>	<b>80,100.38</b>	<b>-</b>
Grundomat Underground Boring Too	1	4,643.49	4,643.49	-
Legal Ad,2-Trlr-Mntd 70KVARPwrGe	1	16.54	-	16.54
Legal Ad, 2Trlr-Mntd 70KVAPwr Ge	1	16.55	16.55	-
Legal Ad, 6000LB Pneumatic Tire	1	33.09	33.09	-
Melroe Bobcat Skid Steer Loader(	1	26,475.56	26,475.56	-
Melroe Combination Bucket	1	1,800.00	1,800.00	-
	<b>Power Operated Equipment</b>	<b>32,985.23</b>	<b>32,968.69</b>	<b>\$ 16.54</b>
Office Telephone System	1	24,671.09	24,671.09	-
Office Telephone System, addtnl	1	423.47	423.47	-
Office Telephone System, addtnl	1	3,936.62	3,936.62	-
Office Telephone System, addtnl	1	1,716.63	1,716.63	-
8 - Button Phone with Phone Lin	5	1,802.12	1,802.12	-

Phone for Chemist	1	270.21	270.21	-
	<b>Communications Equipment</b>	<b>32,820.14</b>	<b>32,820.14</b>	<b>-</b>
		<b>\$513,555.66</b>	<b>513,396.55</b>	<b>\$ 59.11</b>