

WATER MATTERS

Safe, dependable, and affordable water now and into the future



Board of Water Supply
City and County of Honolulu

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Summer 2016

Be Prepared For Water Emergencies

The National Oceanic and Atmospheric Administration, Central Pacific Hurricane Center announced that climate conditions indicate a normal to above normal hurricane season for Hawaii this year and urges residents to be prepared for hurricane season, which began June 1, 2016.



Emergency preparedness kits should include at least one gallon of water stored, per person, per day for at least five to seven days, for drinking and sanitation purposes.

Natural disasters, power outages, or other unexpected events can disrupt the ability of the Board of Water Supply (BWS) to provide water service. The BWS encourages island residents to be prepared and plan in advance for a water emergency.

Oahu has among the best drinking water in the world. You can safely store tap water from your home for emergencies. More emergency preparedness information, including a step-by-step video demonstrating how to store drinking water, is available at www.boardofwatersupply.com, click on the Community tab, then select Emergency Preparedness.

BWS Committed to Energy Conservation

In March 2016, the Board of Water Supply (BWS) became the first county water utility in Hawaii to enter into an Energy Savings Performance Contract (ESPC) with NORESKO LLC. Valued at \$33 million, this contract allows the BWS to implement comprehensive energy efficiency, renewable energy generation, and operational improvements which guarantee enough energy savings over the next 20 years to pay for the contract.

An ESPC is an alternative project delivery approach that allows a government agency to enter into a long-term partnership with an energy service company to facilitate and accelerate energy conservation measures, or ECMs, to generate enough cost savings to cover project costs over the term of the contract.

“The ESPC will help the BWS to proactively address rising operating costs by implementing ECMs faster to achieve energy efficiencies and develop renewable energy to directly support the State of Hawaii’s goal to achieve 100 percent renewable energy by 2045,” said BWS Manager and Chief Engineer Ernest Lau. “Also, under the terms of this contract, NORESKO guarantees the BWS energy savings from the installation of recommended ECMs. If the savings are not realized, then NORESKO must reimburse the difference to the BWS.”



Energy conservation measures, such as photovoltaic systems and facilities upgrades, are being implemented at BWS to realize energy efficiency and savings.

ECMs to be installed as part of the contract that will reduce the BWS’s annual electrical usage by about 8 million kilowatt hours (kWh), or 9 percent of the BWS’s total purchased electricity, include:

- Photovoltaic systems at 38 sites with facility upgrades and renovations (5,265,850 kWh savings)
- Energy efficient pumps in four major production wells (1,348,979 kWh savings)
- Energy efficient lighting at BWS facilities (717,027 kWh savings)
- Energy efficient air conditioning upgrades and controls (616,518 kWh savings)

Continued on back

BWS Continues Monitoring Red Hill A. O. C.

The Board of Water Supply (BWS) continues to closely monitor the Red Hill Bulk Fuel Storage Facility leak and the Administrative Order on Consent (AOC). The AOC, which was issued in response to the January 2014 fuel release from the Red Hill Facility, requires the Navy to take immediate and long-term steps to minimize the threat of future leaks at the facility. The AOC is an enforceable agreement of the State of Hawaii Department of Health, the U. S. Environmental Protection Agency (EPA), and the U. S. Navy - Defense Logistics Agency.

From April to June 2016, the BWS offered comments and recommendations to the various parts of the AOC, Work Plan, and Scope of Work for the Red Hill Bulk Fuel Storage Facility. Additionally, Manager and Chief Engineer, Ernest Lau, and Program Administrator - Water Quality Division, Erwin Kawata, recently joined ThinkTech Hawaii host Kauai Lucas for two livestreams to discuss the BWS's ongoing concerns with the Red Hill Facility.

Recently, the EPA launched a website that provides information about the implementation of the AOC. A link to that website is posted on the BWS's Red Hill website. For more information about the Red Hill Bulk Fuel Storage Facility and the implementation of the AOC, visit www.boardofwatersupply.com and click on the Community tab, then select Red Hill.

Energy Conservation (continued)

The \$33 million project cost is being financed by a loan from the Drinking Water State Revolving Fund, managed by the State of Hawaii Department of Health. The loan will be paid back by the approximately \$3.3 million annual savings in energy costs over 17 years after the implementation of various ECMs. Over a 20-year period, the BWS intends to generate more than \$56 million in savings through avoided electrical costs. *Any cost savings from this project will be reinvested in additional energy-saving projects and will not affect water rates.* For more information, visit www.boardofwatersupply.com.

National Water Quality Month

The Environmental Protection Agency (EPA) has designated August as National Water Quality Month. During August, the EPA reminds everyone to be aware of what your community is doing to protect sources of fresh water.



Photo courtesy of Hawaii Government Employees Association

The BWS sends a Water Quality Report to all customers each summer and is required by the EPA to do so. For more information, visit www.boardofwatersupply.com and click on the Conservation and/or Water Quality tabs.

BOARD OF WATER SUPPLY & FRIENDS OF HALAWA KERISCAPE GARDEN PRESENT

HALAWA KERISCAPE GARDEN'S ANNUAL

Unthirsty Plant Sale

- BEAUTIFUL & UNTHIRSTY PLANTS • CACTUS SUCCULENT CLUB SHOW •
- KERISCAPE WORKSHOPS (HELP REDUCE OUTDOOR CONSUMPTION & WATER BILLS) •
- PLANT DOCTORS • KEIKI ACTIVITIES • DELICIOUS FOOD & MUCH MORE! •

Saturday
August 6, 2016
9:00 a.m. to 3:00 p.m.

FREE ADMISSION

Halawa Keriscape Garden
99-1268 Iwaena Street

Parking on
Iwaena and Twa'Twa Streets
FREE SHUTTLES

FOR MORE INFORMATION:
www.boardofwatersupply.com or 748-5041



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