



Prince Jonah Kuhio Kalanianaʻole Federal Building, Honolulu, Hawaiʻi

The U.S. General Services Administration & U.S. Environmental Protection Agency:

Spring 2013, the GSA and EPA received the Hawai'i Green Business Program Award for outstanding efforts to reduce, reuse, recycle as well as promote other areas of sustainability. As this year's honorees, these two federal agencies have implemented a number of significant improvements to their operations at the Prince Jonah Kuhio Kalaniana'ole Federal Building aimed at decreasing their impact on the environment. Sustainability is one of GSA's most important priorities. They are working to reduce energy and water use in federal buildings across the country, responsibly dispose of electronic waste, and green the federal fleet. Currently, GSA has six ongoing projects related to efficiency, showing its true dedication to reducing its footprint.

Water Conservation:

- The restroom water fixtures are outfitted with solar powered motion sensors that are also low-flow in order to reduce excessive water use
- Low-flow urinals, showerheads, and dual flush toilets are installed throughout the facility
- HVAC condensate is used for cooling tower make up water

Green Purchasing and Waste Reduction:

- As part of the Federal Green Challenge Initiative, both agencies exercise environmentally conscious purchasing through buying 100% post consumer recycled content copy paper and EPEAT certified computers
- A recycling program is in place and maintained for cardboard, paper, aluminum, glass, and plastic as well as scrap metal, electronics, clothing, and batteries.

Energy Efficiency:

- The building cooling tower has twice as much surface area than a normal cooling tower in order to keep its average temperature lower.
- The domestic water system has a variable speed drive (VSD) that tracks the flow and reduces electric consumption.
- The chiller plant uses VSD technology to match the equipment capacity to the load.
- The HVAC double duct system was renovated to single duct variable air volume to reduce peak fan use.
- T-8 lamps were installed throughout the building. Fixtures were re-lamped and fitted with new high efficiency ballasts and prismatic lenses.
- GSA's efforts to increase energy efficiency in the PJKK Federal Building are continually in progress.