



Green Business Hawaii  
Fifth Annual Recognition Program  
April 24, 2009

Department of Accounting and General Services (DAGS)



## **Policies**

In response to budgetary concerns and as part of the Governor's Lead By Example initiative for energy efficiency and resource conservation initiative, DAGS has implemented several departmental policies and programs. As it is the fourth-largest user of electricity in the Executive Branch, these policies affect dozens of buildings for DAGS employees as well as other state facilities which are managed by DAGS.

### **Energy Savings**

- LED Exit signs and LED lights in common areas have been installed. LED exit lights consume 1 watt per hour, compared to 40 watts per hour for conventional signs – a 98% reduction.
- Custodial staff has implemented extensive delamping (removal of linear fluorescent lamps) of common areas and staff areas and common areas where adequate lighting levels can be maintained. About 11,000 lamps have been removed, for a savings of approximately 1,098,240 kilowatt hours annually.
- Existing electronic ballasts and fluorescent T-8 lamps are being replaced with Super T-8 ballasts and Super T-8 lamps. This is projected to save 951,727 kWh annually, which is equivalent to 115 Hawaii households' annual energy use.

### **Water Conservation**

- DAGS is undertaking water faucet retrofits which will reduce many fixtures in its buildings from a flow rate of 2.5 gallons per minute to .5 gallons per minute. These faucets are also equipped with infrared motion sensors.
- DAGS-operated buildings with large landscaped areas are installing moisture sensors which prevent irrigation when the soil is already wet. Moisture sensors are capable of providing water savings of 70% or more; they also have the benefit of reducing chemical and fertilizer leaching.
- DAGS is installing low-water urinals which use 1 pint of water per flush to replace standard models which use 1 gallon/flush. These have been installed at the Kalanimoku Building, DAGS Baseyard, and State Office Tower. Each unit will save approximately .875 gallons per use, or 13,650 gallons of water per year as well as save almost 90% in costs.

### **Environmentally Preferable Purchasing and Resource Use**

- Energy-efficient electric hand dryers were installed in all restrooms of the State Office Tower, and are being installed elsewhere in DAGS facilities. This will result in a savings of approximately 250 multifold paper towels per dryer per workday, and a approximately 95% cost savings.
- The State Procurement Office, an agency attached to DAGS, has a list of Energy Star qualified electronic equipment and fluorescent lamps which are available for state agencies to purchase.

### **Recycling**

- DAGS has a comprehensive paper recycling program that includes a contract with a local recycling company. Blue bins are provided for buildings DAGS operates and occupies.
- Unwanted furniture, supplies, and electronics are re-used by other departments through the excess property/surplus program.
- Used fluorescent lamps are collected for proper disposal and recycling in compliance with environmental guidelines.