

Executive Order 12-06 Report

ACHIEVING ENERGY EFFICIENCY IN STATE BUILDINGS

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Describe benchmarking, metering, audits, and energy retrofits completed by the agency in 2012 through 2016 to meet the requirements of EO 12-06. What percentage of agency owned square footage has been audited (all systems) and all life-cycle cost effective measures installed, since 2012?

Energy Benchmarking was completed in 2015 and updated in 2016 and is current. DRS initiated an Energy Audit with Sunset Air in 2013 to determine possible recommendations for energy usage reductions. We completed several initiatives at that time such as moving HVAC sensors into neutral zones, adding motion sensor light switches in some common areas and adjusting HVAC settings to be more economical.

Describe benchmarking, metering, audits, and energy retrofits that the agency plans to implement in the next 5 years to meet the requirements of EO 12-06. What percentage of agency owned square footage will be audited (all systems) and all life-cycle cost effective measured installed, from 2012 – 2022?

DRS will work with the landlord in preparation for the lease renewal in 2019 to bring the building up to meet the requirements of EO 12-06. We are targeting replacement of florescent lights with LEDs, some HVAC zone reconfiguration (based on possible interior modifications such as removing individual offices) and adding motion sensor lights and/or timers in more common areas. Additionally the agency will look at replacing or upgrading some appliances and equipment to more energy efficient models (i.e. refrigerators, printers, etc.)

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Describe how the agency used Energy Star Portfolio Manager benchmarking in lease negotiations for new or renewed leases in 2012 – 2016, and how benchmarking will be used in future leased negotiations:

DRS has not had a lease renewal during the 2012-2016 time frame, however we will utilize the Benchmarking criteria in our lease renewal process for the upcoming 3/1/2019 renewal. We will be working with the landlord to make energy improvements that will help us to meet the EO 12-06 reporting requirements and beyond.

Describe actions that will be taken in 2017 to save energy through operational changes and continuous monitoring using Portfolio Manager. Describe how you will engage occupants and staff to reduce energy use in the next 5 years:

DRS is working to balance the HVAC system to eliminate Hot and Cold spots by placing internal sensors in areas identified and using the HVAC system to monitor performance. DRS purchased a temperature tracking system software that uses 10 deployable sensors to gather temperature information. This information is then downloaded into graphs and a spreadsheet that we can use to more accurately determine temperature “soft zones” that need to be adjusted. This will help reduce demand for heat and cooling in zones that can affect other areas which leads to more demand. Additionally we will be looking at installing more motion sensors and timers in common areas as well as working with team members to turn off or unplug unneeded equipment when not in use. We will use Portfolio Manager to help monitor progress and to make additional recommendations.

Attachment:

A - Agency Progress in Implementing EO 12-06 (by building)

Resources:

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Go to the DES Portfolio Manager webpage for a link to EO 12-06, previous reports, RCWs, EPA resources and training, Step by Step Instructions, and Frequently Asked Questions at <http://des.wa.gov/services/facilities-leasing/energy-program/energy-star-portfolio-manager>