

# Executive Order 12-06 Report

## ACHIEVING ENERGY EFFICIENCY IN STATE BUILDINGS

December 2016

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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?**

- **Benchmarking of all required buildings completed.**
- **Capitol Campus exterior lighting investment grade audit completed.**
- **Steam system investment grade audit was completed.**
- **Central Chilled water system project replaced two 40 year old chillers with one new multi stage Smardt Chiller resulting in a 50% reduction in energy consumption.**
- **NRB Room 150 data center project completed and resulted in a 40% reduction in energy consumption and added N+1 redundancy for cooling equipment.**

**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?**

- **Developing the Campus Combined Heat and Power project to replace the ageing steam system with hot water distribution and electricity production through waste heat.**

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- **Capitol Campus wide interior building lighting investment grade audit to be completed in cy 2017 Project to follow.**
- **Employment Security Building investment grade audit to be completed in cy 2017.**

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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:**

**Dept of Enterprise Services; Real Estate Services program uses Energy Star Portfolio Manager scores as a consideration in the lease negotiations.**

**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:**

**DES does not use ESPM as a daily tool to manage energy consumption. We use our Building Control system to monitor building operations and to affect changes to those systems.**

**DES continues to monitor and improve building operations to reduce energy consumption through engaging building operators and tenants.**

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**Attachment:**

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

**Resources:**

**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>**