

From: Todorovich, Jessica L (DOH)
Sent: Monday, December 23, 2013 11:07 AM
To: Albert, Donna K. (DES)
Cc: Harp, Susan (DOH)
Subject: Energy Efficiency Report

Attached are the Department of Health's Executive Order 12-06 Reporting Form, and the Agency Progress Checklist.

The agency's goals for energy efficiency improvement include continuing the retrofit of heating, ventilation, and air conditioning equipment and lighting at our Public Health Laboratory in Shoreline. That work will continue for the next several years and provides better control of area temperatures while operating more efficiently. The department also plans to examine possible retrofit opportunities for its leased buildings in Tumwater for potential energy savings.

The Department of Health enters utility data into Portfolio Manager to obtain benchmarking information for its leased and owned facilities. That data is used to determine usage trends or spikes which could indicate equipment malfunctions.

We will continue these and other efforts in support of Executive Order 12-06. If there are any questions regarding our report or our proposed activities, please contact Susan Harp at (360) 236-3934 or at Susan.Harp@doh.wa.gov.

<< File: Copy of EO 12-06 Benchmarking and Retrofit Checklist Nov2013 (2).xlsx >> << File: EO 12-06 Reporting Form Nov2013.docx >>

Jessica Todorovich | Deputy Secretary for Administrative Operations | Washington State Department of Health | 360.236.4012 | jessica.todorovich@doh.wa.gov

Public Health – Always Working for a Safer and Healthier Washington

Executive Order 12-06 Report

ACHIEVING ENERGY EFFICIENCY IN STATE BUILDINGS

December 2013

Agency Name:	Washington State Department of Health
Agency Point of Contact:	Susan Harp
Point of Contact Title:	Director, Office of Facilities and Business Services
Telephone Number:	360-236-3934
E-mail Address:	susan.harp@doh.wa.gov

Describe benchmarking, metering, audits, and energy retrofits completed by the agency in 2013 to meet the requirements of EO 12-06:

DOH worked with WSU Energy Program to resolve problems we were having that prevented our energy usage data from loading into Portfolio Manager. We are still working to ensure reporting for the Public Health Lab is accurate. At our Public Health Lab, we:

- Replaced overhead fluorescent task lights from T12 to T8. This is complete with the exception of the E Wing Laboratory area.
- Replaced all the exit lights, main hallway, exterior vestibules, main lobby and entry lights with LED's
- Completed installation of energy efficient chilled beam system in C-wing of the laboratories.
- ATS is now collecting power consumption data through their Skyspark energy monitoring program. This system also enhances our the programming of the building automation system to maximize energy savings for our HVAC, exhaust systems, laboratory hoods /bio-safety cabinets, hot water, emergency generator and pumps.
- Implementation of a rain sensor for our irrigation system has improved the programming resulting in less water use for irrigation.

At our Tumwater Campus, seven electric vehicle charging stations were installed for employee and public use.

Executive Order 12-06 Reporting Form

Describe benchmarking, metering, audits, and energy retrofits that the agency plans to implement in 2014 to meet the requirements of EO 12-06:

For the public Health Lab:

- Currently working on installation of chilled beam system in E-wing. Construction will begin in March 2014.
- Replacement of all exterior metal halide lighting with a LED lights. This is funding dependent.
- Implementation of solar power to supplement laboratory energy sources as an energy saving project. This is funding dependent.

Describe how the agency used Energy Star Portfolio Manager benchmarking in lease negotiations for new or renewed leases in 2013:

No leases were renewed in 2013 for facilities that the utilities were paid directly by DOH.

Describe actions that will be taken to save energy through operational changes and continuous monitoring using Portfolio Manager in 2014:

DOH monitors is energy usage for the Tumwater Campus using Portfolio Manager; we investigate changes in usage and implement appropriate repairs.

Attachment:

Agency Progress in Implementing EO 12-06 (Please attach the EO 12-06 Benchmarking and Retrofit Checklist here.)

Resources:

Go to the DES Portfolio Manager webpage for a link to EO 12-06, RCWs, EPA resources and training, Step by Step Instructions, and Frequently Asked Questions at <http://www.des.wa.gov/services/facilities/Energy/EnergyStar>

