

## The Northwrite Energy Expert and Energy Trust of Oregon Project

### What is the Northwrite Energy Expert and Energy Trust of Oregon Project?

The Northwrite Energy Expert and Energy Trust of Oregon (ETO) project is part of a pilot program to track the energy consumption through 15 minute interval data, which allows facilities and sustainability representatives to utilize a web-based dashboard to:

- Identify spikes, trends manual overrides, equipment failures and other incidences that can lead to increased energy consumption
- Respond more quickly to equipment malfunction alerts
- Utilize a team of consultants and 24 hour assistance dedicated to improving the efficiency of Beaverton's facility

### Project Update as of June 15, 2012

#### To date, the Facilities and/or Sustainability Team has:

- Filled out a detailed building questionnaire on City Hall and Library equipment, operations, lighting, and control systems
- Participated in a webinar to learn how to use the [www.myworksitem.com](http://www.myworksitem.com) dashboard
- Participated in a webinar to learn the first round of Energy Saving Measures at City Hall
- Begun implementing two of the energy saving measures

#### To date, Northwrite, ETO, and Air Advice Consulting Team has:

- Analyzed our responses to the building questionnaire during a webinar, asking detailed follow up questions on equipment and control systems to gain a thorough understanding of how the buildings are currently operating
- Set up metering with PGE to receive 15 minute interval data
- Installed building monitoring devices at City Hall (currently installed at the Library) to record baseline information on how energy systems in the building, such as heating, cooling, ventilation, and lighting systems are performing
- Provided an expert consultant from Air Advice to analyze results from City Hall
- Provided initial six energy saving measures for our implementation

The Facilities and Sustainability Division have spent the last month working closely with Northwrite to receive the initial assessment of building performance. Based on the results of the initial assessment, Northwrite has recommended six preliminary low-to-no cost energy saving measures (ESMs) for City Hall. The first ESM to be implemented by Facilities was to reset HVAC units to turn on closer to the start of the business day and turn off one hour after business day. **The changed settings are saving over 14 hours of run time per day. Altering the HVAC settings is part of an ESM recommendation that is estimated to save the City over \$15,100 per year in energy costs.**