

A stylized graphic on the left side of the page. It features two dark green mountain peaks with rounded tops. Below the mountains is a dark green wavy band representing a forest or a field. At the bottom is a dark blue wavy band representing water. The graphic is composed of solid colors and white outlines.

Energy Savings Performance Contract

Department of County Assets
Facilities and Property Management

Energy Savings Performance Contract //Background



- Performance contracting is a key component of our *Strategic Energy Management Plan*
- Supported as a means to address energy availability
 - US. EPA Department of Energy
 - Oregon Department of Energy
 - Energy Trust of Oregon
- Methodology approved by PCRFB in December 2012
 - Make sure we are employing industry best practices
 - Evaluate emerging technology applications
 - Learn from the process and apply successes in the rest of our buildings
- Report Status to BCC at contracting milestones



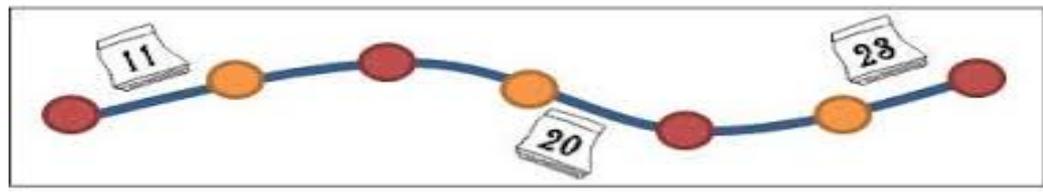
Acronyms and Terminology

- **ESCO ~ Energy Savings Company** *a business that provides a broad range of energy solutions including the added capacity to complete energy work in addition to ongoing operations*
- **ESPC ~ Energy Savings Performance Contract** *a contracting methodology authorizing an ESCO to approach energy work in phases*
 - Provide an evaluation
 - Develop and recommend a scope of work
 - Evaluate and propose Financing Options
 - Manage Capital Improvement Projects
- **TEA ~ Technical Energy Audit** *is an investment grade evaluation that identifies cost effective opportunities to save utility expenses through engineering and economic analysis*
- **PDP ~ Project Development Plan** *is the process of walking through TEA details with the contractor and shaping an energy project that reaches organizational goals*



Status Report // Energy Work to Date

- **RFQ issued for an ESPC** **December 2012**
- **Ameresco/Quantum selected** **March 2013**
- **Phase 1 ESPC Contract Authorized** **April 2013**
 - **System Evaluation**
 - Interviews and Walkthroughs June 2013
 - Preliminary Utility Evaluation July 2013
 - Cooling Equipment August 2013
 - Water Devices September 2013
 - Lighting Systems October 2013
 - Controls November 2013
 - Heating Equipment December 2013
 - Solar Hot Water January 2014
- **Technical Energy Audit Complete** **March 2014**
- **Audit Report Delivered** **April 2014**
- **Report progress to BCC** **April 22, 2014**



- **Company overview**

We are an independent energy efficiency company, which allows our clients to choose renewable energy and energy efficiency equipment and strategies from a full spectrum of manufacturers and services, providing best-in-class solutions tailored to each client's specific needs and budget.

- **Experience with ESPC's**

Ameresco has performed well over \$100 Million of ESPC work in schools, government offices, library and correction facilities in Oregon and Washington. Our project team is located in Portland.

- **Understanding Multnomah County's Goals**

- Stewardship of public money
- Climate Action Planning
- Workforce Development



Energy Savings Performance Contract // Objectives



- First part of a two part audit includes a *Total System Evaluation* of 5 County Facilities
 - Mead Building
 - Juvenile Justice Complex
 - Inverness Jail
 - Multnomah County East
 - Midland Library
- Focused on indentifying energy saving projects that yield an aggregate 10 year simple payback
- The buildings assessed were at or below industry averages for energy use in similar facilities
- Still, opportunities exist in each building to reduce energy and water consumption, save money and reach organizational goals





❑ Internal Project Assessment

- Facilities and Property Management
- Department of County Assets
- Budget and Finance

❑ Review and Discussion of opportunities

- What's recommended?
- What makes sense ?
- What is planned or in progress?
- What is a priority for operations?

❑ Return in the fall with Recommendations as a part of the FAC-1 Process



Energy Savings Performance Contract // Questions

