

Energy Smart Federal Partnership Electric Efficiency in the Federal Sector

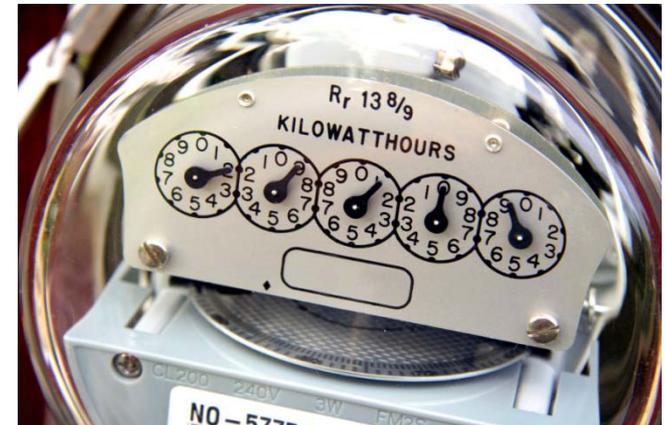
**BPA-Utility Roundtable
March 1, 2012**

**Curt Nichols,
Federal Sector Lead**



Presentation Outline

- **Federal Sector Scope/Targeting**
- **Working with Federal Agencies**
- **A Federal Project's Steps to Savings**
- **BPA's Role (How we help)**
- **Source/Scope of Savings**
- **Past Accomplishments**
- **What's Ahead**

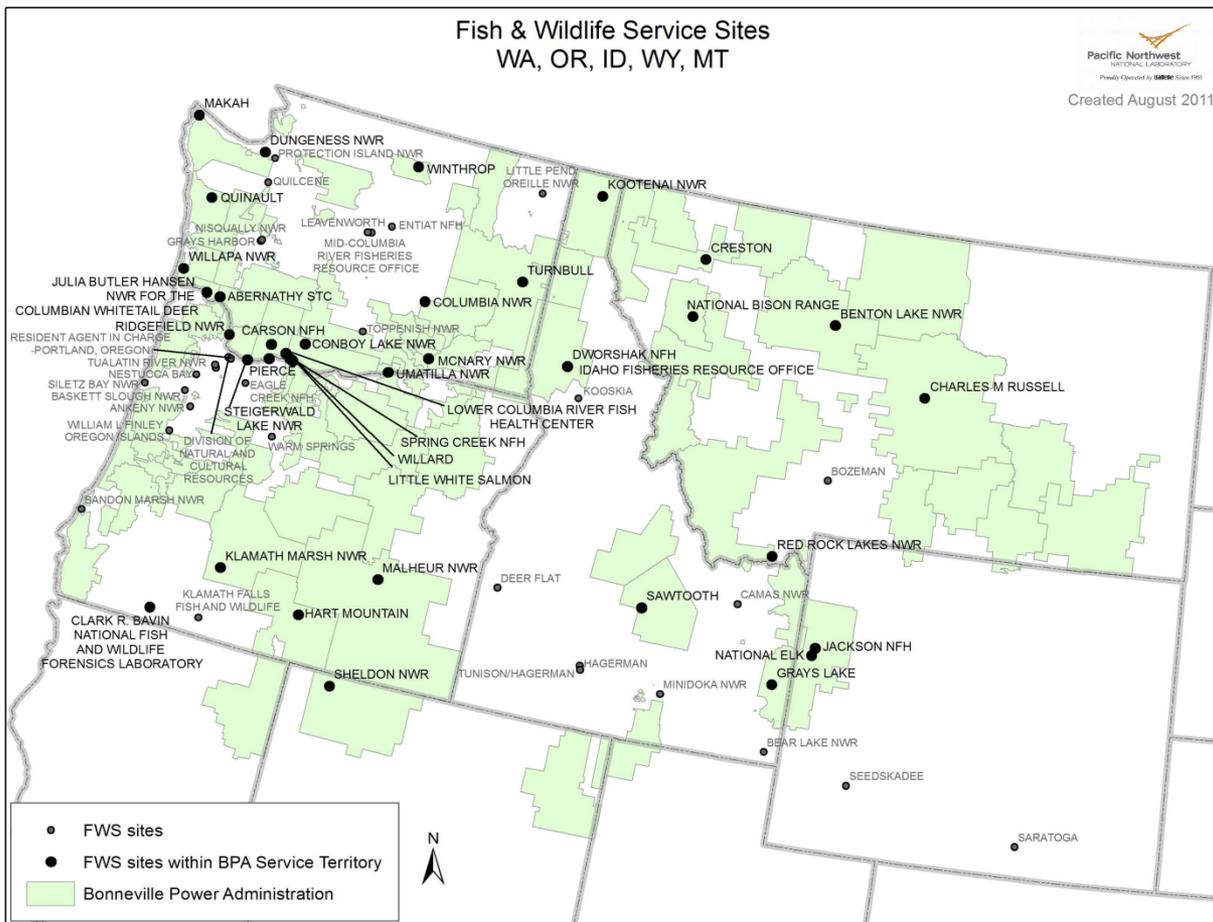


The Federal Sector

- **The Federal Sector includes**
 - Federally owned or occupied facilities
 - Including post offices, military bases, ranger stations, courthouses, and more
- **Within the Pacific Northwest**
 - Oregon
 - Washington
 - Idaho
 - Western Montana



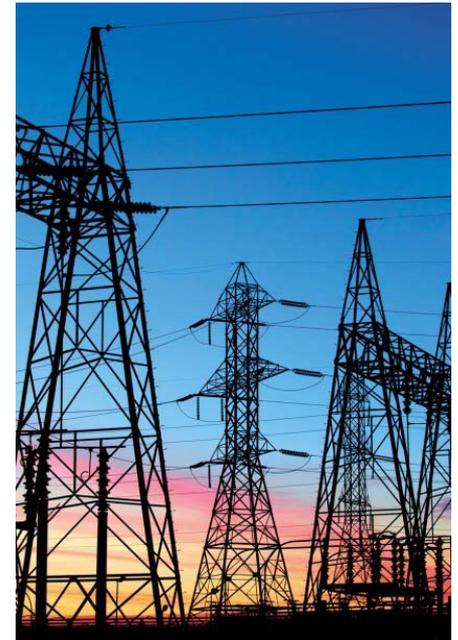
One Agency; Many Sites



**Utility Energy Service Contract (UESC) with the Agency's Regional Office.
Individual Projects Possible in a Variety of Utility Service Areas**

Federal Steps to Savings

- **Sign an Interagency Agreement with BPA**
- **Complete site efficiency assessment**
- **Obtain capital to implement efficiency project**
 - Appropriated funds
 - ESCO shared savings
 - UESC financing (third-party loan)
- **Apply for utility incentive**
- **Complete efficiency project**
- **Verify performance**
- **Collect (or assign) incentive**



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How ESFP Helps

- **General Energy Information**
- **Technical Assistance (Planning)**
- **Access to Financing/Incentives**
- **Verify Project Performance**
- **Hold Earned Incentives**
- **Facilitate Recognition**
 - **Case Studies**
 - **Awards**



Single Site Efficiency Projects

- **Much like EE work in other sectors**
 - **Utilities set the incentive levels; provide the payments**
 - **Measures follow the Implementation Manual**
 - **EE Engineers assist on most projects**
 - **Example: JBLM (Tacoma Power)**
 - **\$18 Million UESC Financing in 2008**
 - **Includes PSE gas-saving projects too**
 - **Voltage Optimization being considered**
 - **Coordinating with the Corps of Engineers**



Who We've Worked With

■ Army

- Joint Base Lewis McChord (JBLM)



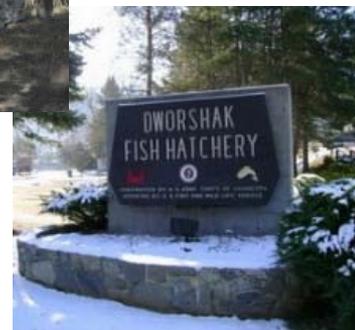
■ Forest Service

- West Yellowstone



■ Fish & Wildlife

- Dworshak Fish Hatchery



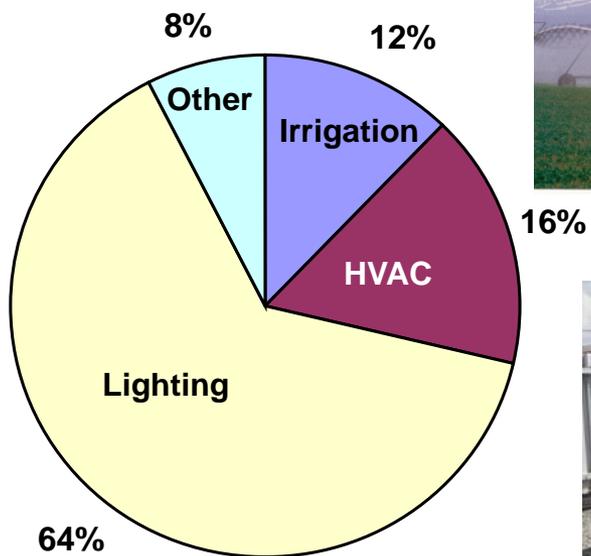
■ GSA

- Tacoma Union Station



Source of ESFP Savings

Efficiency Project Type (FY '08 through FY '10)



What ESFP Has Accomplished

■ Energy Savings



- 33 aMW (power for 9,600 homes)

■ Water Savings

- 2 Billion Gallons/year



■ Cost Avoidance

- \$14.5 Million/year



■ CO₂ Emissions

- 99,900 Metric Tons/year



■ Recognition

- Awards for BPA and client agencies



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What's Ahead for ESFP:

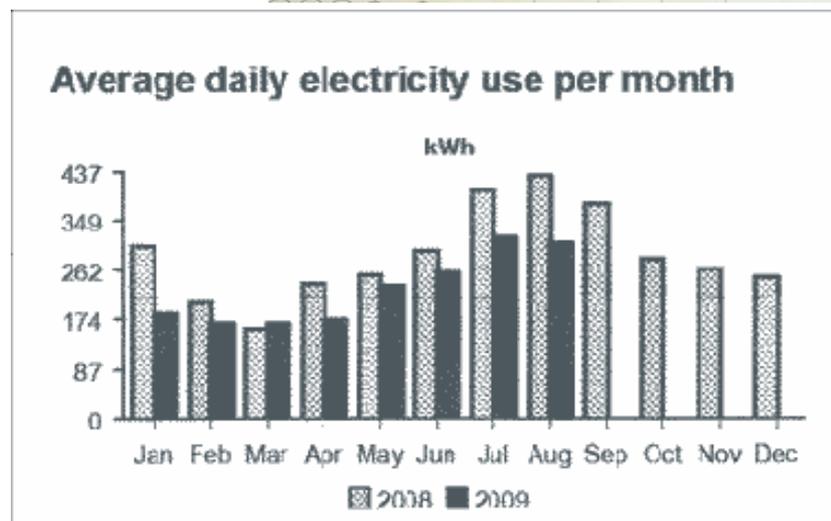
- **Agency Reps – Single point of contact for multi-sited agencies**
- **Closer Utility/EER coordination**
- **New Agency agreements:**
 - **Veterans Administration**
 - **Forest Service**
 - **Fish & Wildlife**
- **Federal Sector web page**



Energy Smart Federal Partnership

Partnering is Smart:

- **Federal Agency**
- **Local Utility**
- **Financier**
- **Vendor**
- **Contractor**
- **Bonneville Power**



Questions & Answers

Energy Smart Federal Partnership

For Questions Now:

Ask away (as much as time will allow)

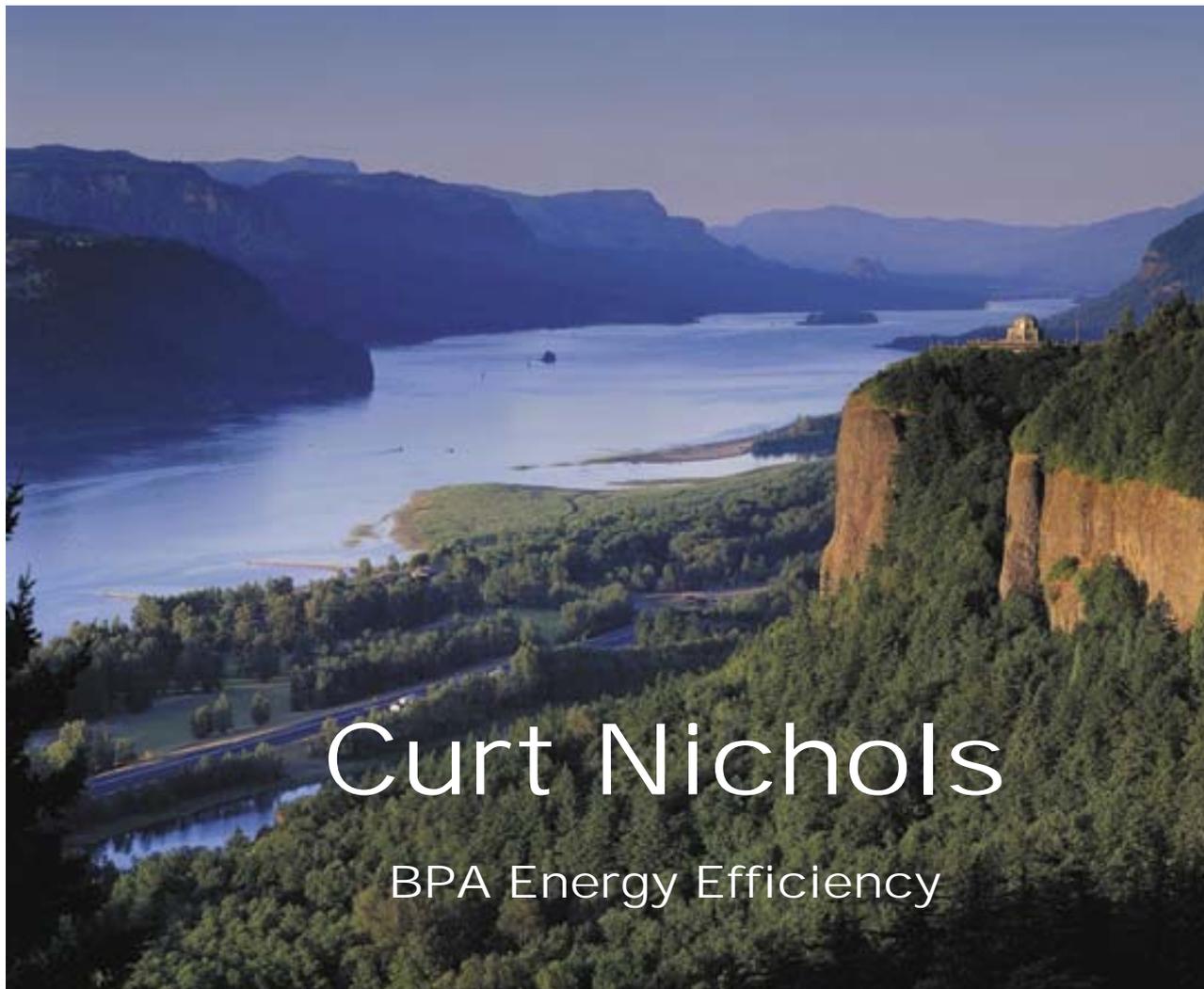
To Follow-up Later:

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Thank You!



Curt Nichols

BPA Energy Efficiency