

Todays Talk

• What is BPA
• Why BPA is Involved/Agency Benefit
• ESFP
• Where we Target our Services
• UESC/Process
• Past Program Accomplishments
• Current Program Engagements
What is BPA?

• Nonprofit self funded federal power marketing administration based in the Pacific Northwest...since 1937!
• One of several USDOE Federal Power Marketing Administrations/agencies
• Markets wholesale electrical power from
  – 31 federal hydroelectric projects in the Northwest
  – one nonfederal nuclear plant
  – several small nonfederal power plants.
• 28% of nearly carbon free electricity for Northwest Region
• O&M for ¾ of high voltage transmission lines in territory
What is BPA?

- Promotes energy efficiency, renewable resources and new technologies
- Funds regional efforts to protect and rebuild fish and wildlife populations affected by CRB hydropower development
- Committed to public service

- BPA’s Vision
  - provides high system reliability,
  - low rates/sound business principles,
  - environmental stewardship and accountability.
Why BPA is involved?

• EE is our least cost resource

• Per Northwest Power Act (1980), BPA must meet EE Targets from NWPCC Plan... currently on our 7th power plan.

• Limits BPA reliance on open power market/manages load, creates opportunities
Benefits to Federal Agencies

• Reduces Federal Agency energy, utility, O&M costs.
• Improves agency facilities infrastructure (lighting, HVAC, etc.)
• Supports agency to meet their sustainability EO goals
Energy Smart Federal Partnership

- General Energy Efficiency Information
- Technical Assistance (Planning)
- Financing/Financial Incentives
- Verifying Project Performance
- Holding Earned Incentives
- UESC/Task Orders
- Contracting surveys, designs, installations

WHAT THE PARTNERSHIP IS, WILL DEPEND ON YOUR NEEDS...
Where we target our ESFP services?

- Limited to the Pacific Northwest
- Further Focused on:
  - Electric Energy Saving Projects
  - In Consumer-Owned Utility Areas
  - Federal Agencies with UESC Agreements
UESC/Process Highlights

• Process begins with discussion of EE opportunity
• UESC...enabling agreement/MOU...roles/responsibilities
• Task Orders with service/project deliverables/Cost
• Funded by agency or BPA facilitates 3rd party financing.
• Subcontracts using BPA Supply Chain
• “Pass through” pricing as per BPA Policy- No profit
• Project mgmt./oversight by BPA EE Staff
• Utility Incentives can be held by BPA for more EE work
Past Program Accomplishments

- History: In the 1990s, during a downturn in Conservation programs, BPA launched its Federal Program to help agencies meet FEMP requirements; this reimbursable work kept several BPA field engineers employed.

- Past Agencies worked with: State Department, National Park Service, Coast Guard, NOAA, GSA, Navy, JBLM, VA, etc.
Past Program Accomplishments

- CO₂ Emissions Reduction
  - 75,000 Metric Tons/year

- Energy Savings
  - 41 aMW (enough power for ~30,000 avg. U.S. homes)

- Water Savings
  - 2.8 Billion Gallons/year

- Cost Avoidance
  - $18.5 Million/year

- Recognition
  - Awards for client Fed Agency and BPA
Current UESC Program Engagements

• JBLM. Partnership with Tacoma Public Utilities. LED street/parking fixtures underway; interior/wallpack LEDs planned.

• Navy Region NW. New BOA signed.

• Veterans Affairs
  – Seattle, American Lake(Tacoma), Vancouver

• USDA. Multiple USFS Sites
Since 1989 there have been a sequence of Basic Ordering Agreements (BOAs).

BPA worked at California bases; PG&E had no federal program at the time.

BPA also worked at PSE bases after their BOA expired & before their current UESC.
Navy Region NW UESC Highlights

• We now address only Pacific NW federal sites, and we prefer those that are served by BPA itself or BPA utility customers.

• Bremerton and Bangor are direct served by BPA. Naval Station Everett is served by Snohomish PUD, BPA’s largest customer.

• We address energy efficiency for all fuels and water. We count O&M savings.
Navy Region NW UESC Highlights

- All NW bases (including PSE-served) have LED street/parking lights. Many bases have LED wall packs.
- At Everett bases we will soon retrofit interior with LED reflector kits.
- De-commissioning steam systems at some locations. Upgrading central steam plants elsewhere.
Future....

• More UESCs in territory
• ?SEM Cohort for EO13693?
• ?Advisory EE role for agencies out of territory?
Thank you!

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