

Agriculture Energy Efficiency

BPA Program Support

Utility Brown Bag
Aug. 8, 2013



BPA's Commitment to Agricultural EE

BPA's commitment

- Maintain support for agricultural energy savings as a region not just localized savings
- Maintain momentum of program and continue “boots on the ground” efforts
- Find a balance between technical and marketing support

BPA's Commitment

“Providing our utility customers with a robust agricultural energy efficiency program is essential to meeting BPA’s acquisition goals and is a valuable service for our rural customer utilities and the region’s rural economies.”

-Richard Génécé, Vice President Energy Efficiency
Bonnevillle Power Administration

What We Know

Feedback from utilities:

- This is a hard to reach market and utilities value assistance with outreach to small growers, trade allies and other partners
- Utilities want technical support
- Utilities want program and marketing support

Feedback from Resource Conservation & Development Councils:

- Challenge to support a regional effort
- Continue to communicate and collaborate

Background

- Initial vision for program was to leverage National Resources Conservation Service's investment to add energy efficiency support and develop incremental energy savings
 - Envisioned as a five-year pilot program to provide additional Agricultural EE support
- Program intended to assist utilities to become more engaged in the Agricultural sector.
- January 2010 – BPA executed Oregon pilot with WyEast
- In 2010, NRCS administrative funding was reduced by Congress
- April 2011 – BPA added Washington & Idaho/Montana
- Oct. 1, 2013 – Transition to BPA-delivered support

Background

- Local support for a hard-to-reach market
 - Added utilities, producers, trade allies, and funding partners

- Up to 12 utilities saw increased Ag EE projects and valued the new Ag sector support
 - Success was localized, not region wide

Background

- Substantial administrative costs
 - The current RC&D structure is not cost effective
- Regional applicability
 - Despite region-wide agreements, less than 50% of BPA-served Ag load was supported by RC&D's
 - Some utilities opted out: others received limited service
- Current program does not match initial program design
- Overall program approach was not cost effective

Save Water, Save Energy

Program Results

RC&D	Period	RC&D Program Budget		Reported Energy Savings		Program Cost (\$/kWh)
		Invoiced	Program Administration Cost (\$/kWh)	Energy Savings (kWh) IS2.0	Utility Incentive Cost (\$/kWh)	
Oregon Pilot	CY2010	\$ 190,760				
Oregon	CY2011	\$ 408,446				
	CY2012	\$ 539,793	0.18	2,978,400	0.10	
	FY2013	\$ 227,217	0.29	796,574	0.18	
	CY2012 & FY2013 Totals	\$ 767,010	0.20	3,774,974	0.12	0.32
Idaho	CY2011	\$ 154,426				
	CY2012	\$ 370,329	0.38	963,600	0.14	
	FY2013	\$ 102,004	4.43	23,019	0.13	
	CY2012 & FY2013 Totals	\$ 472,333	0.48	986,619	0.14	0.62
Washington	CY2011	\$ 222,620				
	CY2012	\$ 400,522	0.25	1,616,998	0.17	
	FY2013	\$ 199,905	2.07	96,449	0.15	
	CY2012 & FY2013 Totals	\$ 600,427	0.35	1,713,447	0.17	0.52
CY2012 & FY2013 Program Totals:		\$ 1,839,770	0.28	6,475,040	0.13	0.42

Save Water, Save Energy

Program Results

CY2012 & FY2013 Program Budget Total	\$1,839,770
Total Reported Energy Savings	6,475,000 (kWh)
RC&D Program Cost (\$/kWh)	\$0.42/kWh

BPA Average Program Cost (\$/kWh) ~\$0.19/kWh

FY13 Transition Plan

■ Custom Projects

- BPA identified in-progress custom projects
- EER's sent list to utilities to confirm
- BPA identified the resources needed to complete all in-progress custom projects...primarily RC&Ds
- BPA requested that the RC&Ds finish the program strong

■ Deemed Measures

- Support for in-progress deemed measures and help completing reimbursement requests
- If needed, BPA will assist utilities in completing Ag-deemed measure reimbursement requests

FY14 Program Support Criteria

- Acquires agricultural energy efficiency
- Provides localized support with excellent communication with utilities and BPA
- Must be cost effective
- Capitalize on investments to date
- Generally available to match utility needs
- Develops utility satisfaction

Options Considered

- Ag Technical Service Provider
- Agricultural Project Manager (using EEI/Performance Payment)
- Utility Direct Funding (using EEI/Performance Payment)
- Unsolicited proposals from suppliers
- BPA supplemental labor Ag support
 - Roving or Localized?
 - Technical or Programmatic?

BPA's Preferred Option

- Hire two or three part time contractors to work select areas where delivery yields the most Ag EE projects
 - Initial select areas: Spokane/Coeur d'Alene, The Dalles/Central Oregon, and SE Idaho (e.g. Burley)
 - Provide a regional footprint to support Ag EE
 - This provides local support to certain areas with lower overhead cost
 - Should be fairly simple to implement, flexible
 - Funded by BPA (not using EEI funds)
 - Costs less than RC&D approach

- Continued BPA Engineering support
 - Erik Boyer
 - Tom Osborn
 - Dick Stroh

Potential Job Description

- BPA CFTE should have targeted skill set
 - Be familiar with BPA utility EE program offerings (via Implementation Manual)
- Experience with EE program support
 - Support utilities, fill out forms, work with trade allies, irrigation associations, customer communications, etc.
- Some technical support experience
 - Irrigation system evaluations, lighting audit services, etc.
- Skill set could be tailored to needed utility services
- Support will be local but can work regionally
- BPA will work with utilities on job descriptions
 - Process may take 6-10 weeks from decision
 - Potential applicants will apply through BPA's Supplemental Labor Office

Timeline

- Utilities submit any written comments by Aug. 16
- BPA make decision by Aug. 30
- BPA informs utilities of decision week of Sept. 2
- BPA prepares implementation plan by Sept. 13

Contacts

For more information, contact your Energy Efficiency Representative or the Agricultural Program Staff

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