

ESRP PROGRAM

FY23 SOLICITATION WEBINAR

JUNE 10, 2022

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MEET THE TEAM



AGENDA

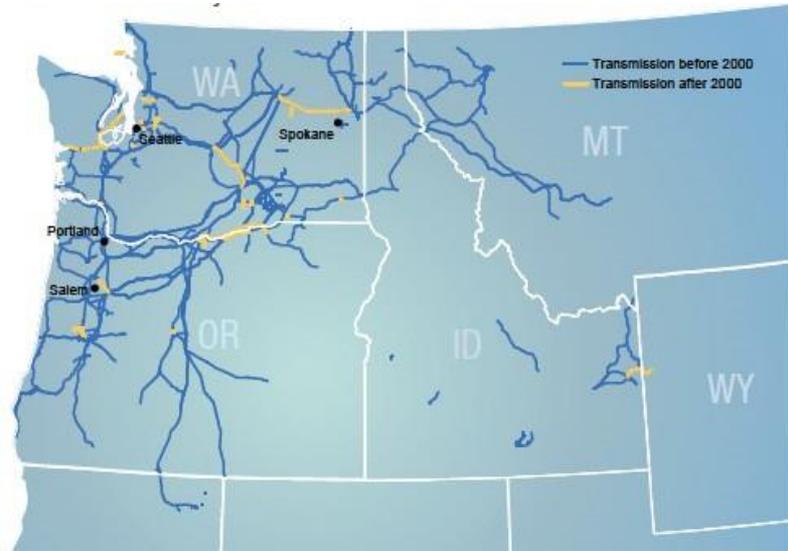
- ✓ **ESRP Program Overview**
- ✓ **FY22 Funding Cycle Update**
- ✓ **FY23 Solicitation Overview**
- ✓ **Special Promotion**



Aerial view of Kerr Dam,
located near Polson, MT

ESRP Program Overview

WHO IS BPA?



Owens, operates and maintains 15,000 circuit miles of transmission

- Non-profit federal power marketing administration based in the PNW (US DOE)
- Markets wholesale energy from 31 dams operated/owned by US ACE & US BOR
- Provides 28% of electric power generated in the PNW (nearly carbon free)
- Power Act of 1980 expanded BPA's charter acquire least cost resource (LCR = Energy Efficiency)

ESRP DELIVERS RESULTS



ESRP is a competitive incentive program for Irrigation Districts with Reserved Power and federal facilities with Station Service that implement energy efficiency projects within the BPA service territory

Savings achieved from completed projects support BPA's energy efficiency targets and mission



TWO TYPES OF ESRP PARTICIPANTS

CONSUMERS OF RESERVED POWER*

- 26 Independently operated, federally-chartered irrigation districts
- 2 Federally-operated irrigation districts (US Bureau of Indian Affairs)
- 2 Federal Hatcheries (US Fish & Wildlife Service)

STATION SERVICE FACILITIES

- Some BPA Transmission Facilities, which include:
 - Control Houses
 - Maintenance Shops
 - Yard Lighting
- Federally owned & operated dams:
 - US Bureau of Reclamation
 - US Army Corps of Engineers

ACHIEVEMENTS FROM 2012 to 2021

ESRP-
delivered
incentives

\$15.5M



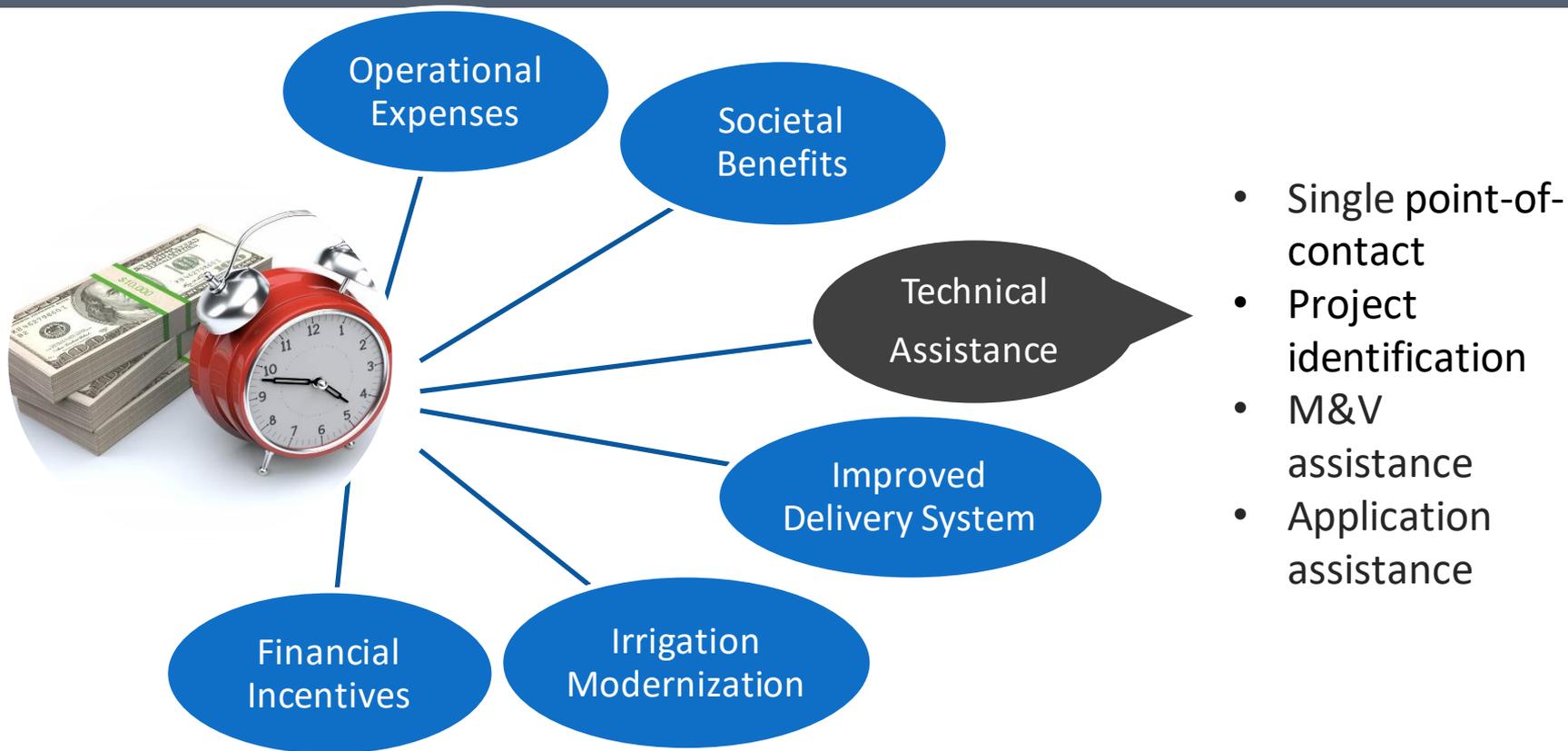
**7.7 aMW
(67 MWh)**

in energy
savings
(busbar)

90% of these savings are attributed
to Irrigation District participation

**Irrigation Districts have created added generation of
5.5 aMW (or 71 MWh) through water conservation efforts**

PROGRAM BENEFITS



FY22 Funding Cycle Updates

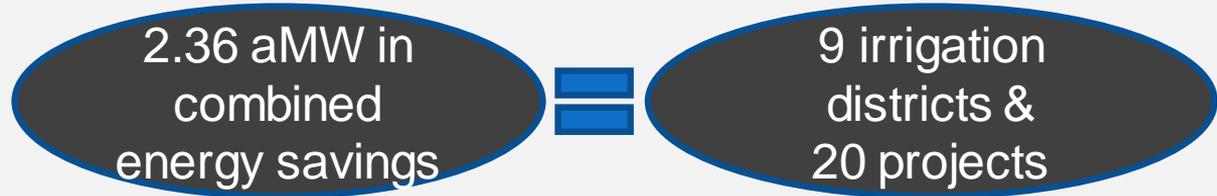
FY22 FUNDING CYCLE IS CLOSED



Annual Budget



Funding Cycle
(October 1, 2021 to September 30, 2022)



Estimated Savings Forecast

FY23 Solicitation

FY23 Funding Cycle

October 1, 2022 to September 30, 2023

FY23 PROGRAM CHANGES

Guiding Principles

Improvements

Streamlined Content

- Created framework to add/change content
- Removed unnecessary language

Improved Ease-Of-Use

- Created self-service function for all required forms
- Added new section on how to participate in program
- Developed a Measure Reference Guide, describes typical measures and their requirements
- Embedded Frequently Asked Questions

Increased Transparency

- Created Funding Cycle section, provides visibility into overall status and funding commitments

Consistency

- Revised inconsistent language, ensures resources are aligned and program policies are clear

Navigating Website** Resources

1

How does the program work?

Step 1: Submit an Application Package +

Step 2: BPA Announces Awards +

Step 3: Agreements Executed +

Step 4: Project Implementation +

Step 5: Project Completion +

2

ESRP Program Funding Cycle

2022 Funding Cycle (Oct. 1, 2021 to Sept. 30, 2022) +

2023 Funding Cycle (Oct. 1, 2022 to Sept. 30, 2023) +

3

Resources and Tools

Getting Started +

Required Support Documents +

Other Materials +

Related Links +

4

Frequently Asked Questions

General Questions +

Application Process +

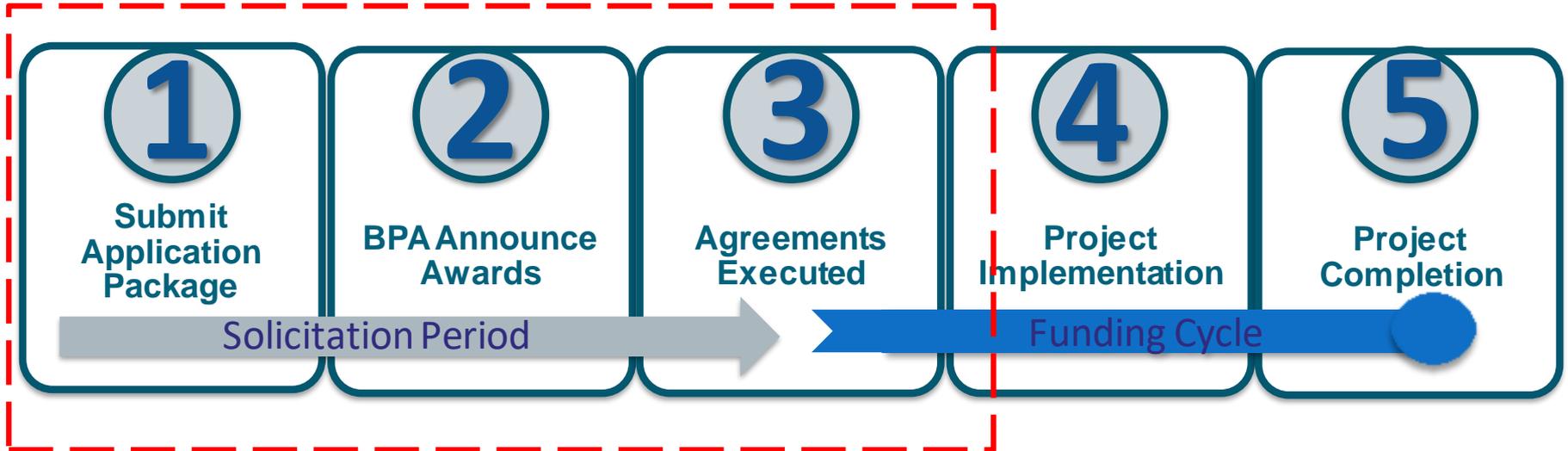
Award to Project Closeout +

WHAT IS A SOLICITATION



- A competitive application process with deadlines to review, rank, and evaluate applications based on cost-benefit analyses
- Starts prior to the launch of the Funding Cycle from *Open Enrollment to Agreement Execution*
- New: 2nd priority deadline

STEPS TO PARTICIPATE



STEP 1: Requirements

1

Submit Application Package

- Application
- Proposal/bid
- Calculator/PIF(s)

- **Application Resources available**
 - Measure Reference Guide
 - Incentive Rate Reference Table(s)
 - Visit Resources and Tools section >> Getting Started
- **Applications must be submitted by deadlines**
 - Visit ESRP Funding Cycle section for timelines and funding status
- **Proposed projects must adhere to program policies**
 - Visit Frequently Asked Question section for program policies
- ***If applicable*, complete Calculators and Project Information Forms (PIFs)**
 - *Measure Reference Guide indicates which measures require calculators or PIFs*
 - *Visit Resources and Tools >> Required Support Documents*

APPLICATION REVIEW

Energy Efficiency
Energy Smart Reserved Power 

ESRP Program Incentive Application

SELECT APPLICATION TYPE (Choose One):

- Open Enrollment Window (1st priority funding request for next fiscal year*). Application must be received by July 15 prior to BPA's next fiscal year. **Reserved Power participants only.**
- Open Season (secondary priority funding request for next fiscal year*) Application must be received by August 31 prior to BPA's next fiscal year. **Reserved Power and Station Service participants.**
- Open Season (current fiscal year funding request**) Application should be received by April 30 during the current BPA fiscal year. **Reserved Power and Station Service participants.**

* Bonneville Power Administration's Fiscal Year dates are October 1 to September 30.
** Contingent upon available funding availability.

The ESRP budget is renewed annually, and is subject to change. Open Enrollment projects with the greatest regional benefit have funding priority; however, funding is not guaranteed. Open Season applications received by August 31 will be evaluated-ranked as a secondary priority and sequential applications will be reviewed on a first-come first-serve basis once priority awards have been announced. Once funds have been depleted, the Open Season will close.

A. APPLICANT INFORMATION

Applicant Entity		Federal TIN	
Address	City	State	Zip
Technical Contact	Phone	Email	
Administrative Contact	Phone	Email	
Agreement Signatory	Phone	Email	



Select Application Type

- A. Applicant Information
- B. Project Proposal
- C. Project Savings
- D. Project Financials (Part I & II)
- E. M&V Plan
- F. Applicant Certification

Tips: (B) Project Proposal

Project Summary	
Enter brief project summary. (1 to 3 sentences)	
Optimize Water Delivery System. Project entails: Replace (1) existing pump, (1) replace existing pump with VFD, install canal lining in open ditches, and replace (3) thermostats	
Existing System (baseline) – include applicable meter #, pump # or other identifiers	Proposed System (post installation) – include model numbers (if known)
Enter current system description.	Enter proposed system description.
1.) Pump #23: 10 hp turbine pump @ meter# XYZ 2.) Pump #12: 10hp centrifugal pump with VFD @ meter# ABC 3.) Open Ditch <West canal> located near Hwy 20; XX of miles 4) Replace (2) thermostats in building A and (1) Building B. HVAC systems = electric forced air	1.) Pump #23: 10hp. model# ABC-01 2.) Pump #12: 10hp pump model# ABC-01; VFD model# RD-003 3.) Install XX miles of Concrete lining 4.) Install (3) smart thermostats

- Keep descriptions simple
- Identify all measures/ components of the project
- Seek technical assistance for measure identification

Tips: (C) Project Savings

When calculating energy savings.....

- Request technical assistance from the Program as needed
- Complete *Required Support Documents* to the best of your ability or seek technical assistance
 - (2) New Pump Project Information Forms
 - (1) Variable Frequency Drive (Existing Pump) Calculator
- Identify measures with water savings and utilize independent studies for water savings
 - Canal Lining

D. Project Financials (Part 1)

	Column A	Column B	Column C	Column D	Column E	Column F	Column G
Measure #	Measure Category	Resource Opportunity Type	Energy Savings (kWh/yr)	Incentive Rate (\$)	Incentive Rate Unit	Quantity	Estimated Incentive (\$)
#1	New Efficient Pump	Retrofit	4,000	\$ 50	per hp	20	\$ 1,000
#2	VFD Centrifugal Pump	Retrofit	2,500	\$ 50	per hp	10	\$ 500
#3	Canal Lining	Retrofit	128,500	\$ 0.45	per kWh	1	\$ 57,825
#4	Connected Smart Thermostat	Retrofit	2925	\$ 150	per unit	3	\$ 450
#5	Select Measure	Choose Resource Type		\$	Choose unit		\$
Total			137,925				\$ 59,775

Columns A, D, & E: Align with the naming conventions found in the Incentive Rate Reference Tables and Measure Reference Guide.

Column C: Section C of application (Project Savings) shows the math. Technical assistance may be requested to complete this portion of application.

Column G:

- **Prescriptive Approach** (see #1, 2 & 4)
(*Column D multiplied by Column F*)
- **Custom Approach** (see #3)
(*Column C multiplied by Column D*)

Incentive Calculation Table must be completed manually

D. Project Financials (Part 2)

	Column G	Column H	Column I	Column J	Column K
Measure #	Estimated Incentive (\$)	Estimated Measure Cost (\$)	Additional Funds	Adjusted Measure Cost (\$)	Total Estimated Incentive (\$)
#1	\$ 1,000	\$ 15,000	\$ 0	\$ 15,000	\$ 1,000
#2	\$ 500	\$ 8,000	\$ 0	\$ 8,000	\$ 500
#3	\$ 57,825	\$ 250,000	\$ 200,000	\$ 50,000	\$ 50,000
#4	\$ 450	\$ 400	\$ 0	\$ 400	\$ 450
#5	\$	\$	\$	\$	\$
TOTAL	\$ 59,775	\$ 273,400	\$ 200,000	\$ 73,400	\$ 51,950

- TOTAL Incentive cannot exceed \$500,000 project cap
- Sum of Total Estimated Incentive (Column K) cannot exceed the Sum of Adjusted Measure Cost (Column J)

Measures 1 & 2: no adjustments;
Column K = Column G

Measure 3: adjusted measure cost due to grant award;
Column K = Column J

Measure 4: no adjustments;
policy applies to the entire project and is not applied at the measure level

E. MEASUREMENT & VERIFICATION

- Define technical requirements of proposed equipment and establish baseline and savings calculation procedures for custom projects
- Ask for technical assistance to...
 - Complete this portion of application
 - Identify energy savings multipliers for prescriptive measures
- An example M&V plan is available online in the BPA M&V Protocol Selection Guide***
- Utilize independent third-party studies for savings calculations

STEP 2: Requirements

2

**BPA Announce
Awards**

Accept or Decline
Incentive Offer

- Program will evaluate, rank and select applications that maximize the energy savings potential within the budget.
- Each application will be reviewed for completeness and the program may request additional information to determine accuracy of estimated incentives and/or savings.
- An awardee letter will be issued for selected projects.
- Applications that are not selected will be notified by letter and added to a waitlist, if funding levels change.

STEP 3: Requirements

3

Agreements Executed

Agreements must be reviewed and signed within 45 days of receipt

- The Agreement is project-specific and outlines the following:
 - Terms and conditions (T&Cs)
 - Maximum allowable incentive amount for project
 - M&V Plan for each measure
- ***An incentive offer is not guaranteed until the Agreement is signed by the participant and BPA.***

FY23 SOLICITATION IMPORTANT DATES

2022

2023

June 1 to
July 15

Aug 31

Sept 15

Oct 31

Mar 1

Sept 30

Open
Enrollment
Window*
(1st priority)

Open
Season
Priority
Deadline**
(2nd priority)

Awardees
announced

Funds
Committed

Progress
Of Work

Project
Deadline

*Reserved Power
participants only

** All participants
(Reserved Power
or Station Service)

Award Letters
Delivered

Executable
Agreements
Developed

Milestone
Report Due

Final
Report Due

Open Season July 15 to April 30
(subject to close once funds are fully committed)

Special Promotion

SPECIAL PROMOTION OVERVIEW

BPA is introducing a special, limited-time promotion with greater incentives during the FY23 Open Enrollment Window for “Reserved Power” applicants only

Details:

- **Who benefits?** Irrigation Districts
- **Which measures?** Those with water savings
- **How much?** Incentive rates increased by 30%
- **Timing of Promotion?** June 1 – Aug 31; corresponds with the Open Season Priority Deadline

IMPACTED MEASURES

Measures		Retrofit Incentive Rate (\$ per kWh/saved)		New Con/Major Remodel Incentive Rate (\$ per kWh/saved)	
		<i>Existing</i>	<i>Promotion</i>	<i>Existing</i>	<i>Promotion</i>
Pressurized sprinkler system improvements		\$0.25	\$0.33	\$0.27	\$0.35
System Lift Reduction		\$0.35	\$0.45	\$0.35	\$0.45
Water Delivery	Existing pipe lining (CML)	\$0.40	\$0.52	\$0.40	\$0.52
	Canal lining	\$0.35	\$0.45	\$0.35	\$0.45
	Canal and Lateral piping	\$0.40	\$0.52	\$0.40	\$0.52
Water Mgmt	Advanced on-farm water management	\$0.03	\$0.04	\$0.03	\$0.04
	System Upgrades	\$0.05	\$0.07	\$0.05	\$0.07
	Automated Gates	\$0.25	\$0.33	\$0.27	\$0.35

**THANK
YOU**

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