



## Department of Energy

Bonneville Power Administration  
P.O. Box 3621  
Portland, Oregon 97208-3621

### ENERGY EFFICIENCY

May 20, 2019

Refer to: ESRP FY20 Solicitation, PEJC-6 in your reply

Bonneville Power Administration (BPA) is pleased to announce the opening of the fiscal year (FY) 2020 funding cycle for the Energy Smart Reserved Power (ESRP) program. BPA offers this funding opportunity to help offset the cost of installing electrical energy-saving projects that will result in the reduction of regional power loads. As a site using reserved power or station service from the Federal Columbia River Power System (FCRPS), your site is eligible to participate in this program.

This year, as in the previous, the program is open to all reserved power- and station-service sites within the BPA service territory, including irrigation districts, hydroelectric and electric service facilities, and the two federally recognized fish hatcheries.

For FY20, funding will be capped at \$500,000 for each individual project. However, large energy-saving projects are permitted to be structured into phases and/or multiple, standalone projects.

Applications may be submitted for any project that will result in reduced use of reserved power or station-service electric energy and that meet the requirements outlined in the application form. Funding levels are expected to be similar to previous years, and all applications that meet BPA's eligibility criteria will be evaluated and ranked based on reimbursement rate (\$ requested/kWh saved/year), total potential kWh savings, and FCRPS water savings. If the submitted project also reduces the amount of water to be removed from the FCRPS, it should be noted in the application, as these water savings provide an additional benefit in the evaluation process.

#### **Key Project Evaluation Criteria** *(See application attachments for project criteria details):*

- The ESRP application process is competitive: Lower costs per kWh savings will receive higher rankings.
- The maximum funding rate is based on measure life and is capped—depending on measure life—at \$0.35/kWh.
- The funding that BPA provides will not exceed 100 percent of the project cost, and applicants are encouraged to seek additional funding sources from other agencies and programs or internally. The funding that BPA can provide along with funding from other sources must be no more than 100 percent of the project cost.
- Projects must be completely installed before September 30, 2020. Multiyear projects may be considered on a case-by-case basis.

Please find attached a copy of the ESRP application form. An electronic version of the form is also available online in the Resources section of the ESRP website at: [www.bpa.gov/goto/EnergySmartReservedPower](http://www.bpa.gov/goto/EnergySmartReservedPower).

**ESRP 2020 Funding Cycle Timeline:**

- **May 20, 2019:** Incentive Applications Solicited.
- **June 11, 2019:** Program Informational Webinar.
- **September 2, 2019:** Incentive Applications Due to BPA.
- **September 16, 2019:** Successful Applicants Notified.
- **September/October 2019:** Agreements Developed and Signed.
- **September 30, 2020:** Projects must be completed.

Unlike previous years, an open season following the initial application cycle is not guaranteed. Applicants are strongly encouraged to submit applications before the deadline for FY20. If an open season is offered, any projects will be considered based on program criteria and funding availability.

Please note: FY20 budgets are not final. Submitting an application does not guarantee project funding, and project selection by BPA is not a guarantee of funding until a contract has been awarded to, and executed with, the applicant.

If you have any further questions about this opportunity, feel free to e-mail me at [esrp@bpa.gov](mailto:esrp@bpa.gov) or call me at the number provided below.

We look forward to the working with you.

Sincerely,



Michelle Lopez, Active Program Manager  
Energy Smart Reserved Power  
[esrp@bpa.gov](mailto:esrp@bpa.gov)  
503-230-4352

# ENERGY SMART

## Reserved Power



### Program Overview

#### What is Reserved Power?

The concept of reserved power was implemented in the Pacific Northwest region in the 1930s with the construction of the first hydroelectric facilities on the Columbia River and the signing of the Bonneville Project Act in 1937. Many Federal Irrigation Districts receive this reserve power. Hydroelectric facilities, BPA transmission substations, and some fish hatcheries receive their power directly from the Federal Columbia River Power System (FCRPS). These facilities have what is called station service, and they are not customers of a local utility.

BPA's Energy Smart Reserved Power (ESRP) program is designed to provide a financial incentive option for increased energy efficiency for these locations.

#### Path to Success

The ESRP program reaches out to a segment of the energy load that is often overlooked, with a focus to educate and assist these users in discovering and implementing energy and water-savings projects. Since 2012, BPA's ESRP allows reserved power and station service facilities the opportunity to update their electric equipment to generate energy savings.

One measurement of success of this program is reaching as many of the irrigation districts as possible, creating partnerships that lead to more efficient operations.

#### Delivering Value to the Northwest

Reserved Power is an area of energy use that is little known to the general public as its delivery is directly to the end user from the generation site—with no public or private utility serving the load. There is potential for energy and water savings within this segment. The entire region would experience the benefits of low-cost savings and retention of water in the river from projects initiated through ESRP.

#### Budget

ESRP currently manages an annual budget of approximately \$2 million per year, which can generate 25M kWh of savings a year. Through a solicitation and ranking process, the projects with the greatest benefit to the region are given priority for funding. Any BPA-approved strategy or industry-proven measure will be considered as a possible measure. BPA is interested in assisting in the development of accepted project ideas.

#### Historic Savings

The FCRPS consists of 31 federal dams—of which 21 are owned and operated by the U.S. Army Corp of Engineers, and 10 by the U.S. Bureau of Reclamation. All of this power is distributed throughout the Pacific Northwest Region by BPA. The majority of BPA's regional load obligations is to provide power to its 146 utility customers, as represented in Chart 1 below.

The obligation to supply the Federal Reserved Power customers and Station Service with the energy to operate and maintain the FCRPS infrastructure including river navigation, recreation and fish enhancement is taken off the top. When these loads are met, BPA then fulfills its other load requirements, including retail sales.

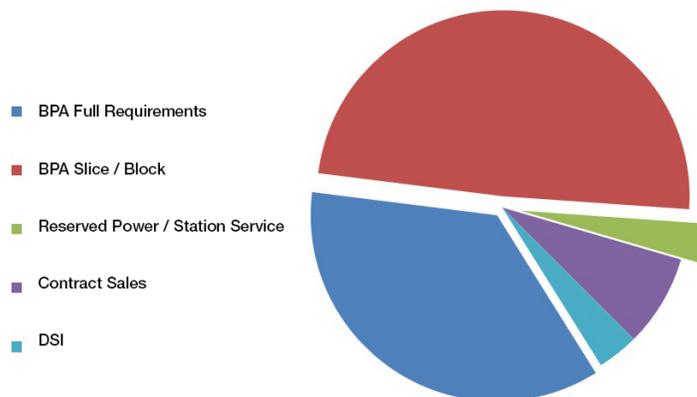


Chart 1: Breakdown of BPA load obligations

# Measures

## Canal Lining & Piping

Millions of gallons of water (up to 50% of the amount pumped) are lost each year through evaporation and canal seepage. Although some of the seepage provides recharge to local ground- and surface-water environments, much of the loss is considered a resource waste and carries with it the burden of unnecessary pumping load. By either lining an earthen canal with water-impermeable coverings or converting to a solid enclosed piping system, energy and water savings can be achieved.



The ESRP program is able to provide financial incentives to any Federal Reserved Power Irrigation District to perform relining upgrades to existing canals, and to convert existing open canals to closed piping delivery systems.

Please note: For a canal lining project to be eligible for an ESRP financial incentive, the project must be an upgrade to an existing system, not simply be the replacement of old or worn-out lining.

To be considered an energy-efficiency measure, the new elements must be an improvement on the existing system.

BPA can provide support for project development and maintenance of your system by assisting you in measuring water losses, and locating system leaks and faults in canals and piping. Additionally, BPA's engineering and technology staff can assist in helping to optimize the use of your funds to preserve the energy- and water-saving benefits.

### Case Study 1: East Columbia Basin Irrigation District Canal Lining & Piping Upgrades

- ESBID submitted five separate canal and piping projects in 2013.
- Upgrades included relining failing open canals and conversion of open canals to closed pipe distributions systems.
- Savings for two of these projects: Moses Lake Project; 205,277 kWh/yr of pumping energy. Schedule A canal system; 625,810 kWh/yr of pumping energy.



Moses Lake project area of ECBID, water flowing into a newly installed underground piping distribution system conversion from open ditch.



After conversion to a closed pipe system. No longer exposed to air and evaporation losses or canal seepage and leakage losses.

## Pumps, Motors, and VFDs

There are two major electrical components to an irrigation system: The motor to provide the rotational power and the pump to provide the flow. For maximum efficiency, these components must be sized and operated in a manner that matches the load requirement. Specifically for irrigation, it must move the right amount of water for the right amount of time. As equipment gets older and as system requirements change, the demand on the pumping system also needs to change. This may be done either by resizing and/or remanufacturing the existing equipment. However, this is sometimes not enough to provide best energy use.



Another way to improve the efficiency of a pumping system might be to install a variable frequency drive (VFD).

A VFD controls the rotational speed of an electric motor by regulating the frequency of the electrical power supplied to the motor. They are proven to substantially reduce energy use. Non-VFD motor-driven systems are often designed to handle peak loads. A VFD can slow down the motor to better match part load requirements. They can also reduce the impact of starting the motor (sometimes called hard-start impact).

Controlling motors with a variable frequency drive offers energy savings when motor-driven processes and power demand vary over time. Energy savings from variable frequency drives can be significant, although the amount of energy reduction will vary depending on the motor's operation and energy use. On a turbine pump, even a small reduction in motor speed can reduce a pump's energy use by as much as 30%. Payback can range from years to a few months.

## On-Farm Irrigation System Improvements

If an irrigation district provides either pressurized water, or water and electricity, then irrigation hardware upgrades may apply. Depending on the system design and equipment inventory needs, there are several possible energy-efficiency upgrades available for consideration. This would include:

- New sprinkler nozzles, section and drain gasket.
- Goose necks, drop tubes, regulators, and sprinklers.



## Other Building & Equipment Improvements

If there is a backup engine generator onsite, there is a block heater upgrade that is proven to provide a small amount of energy savings.

Other possibilities in electrically heated facilities could include:

- Insulation, window retrofit.
- Ductless heat pumps (or mini-splits) to replace electric resistance heating.
- Building HVAC and HVAC thermostats.
- Electric heat pump water heater upgrades.

The best way to determine if you may have a viable project is to contact the BPA ESRP team to discuss your situation and needs.

## Lighting Upgrades

Lighting is one of the easiest and at times most cost-effective ways to initiate energy savings within any location. Lighting improvements are a great way to get started. With new technology now available, it may be time to reconsider if nothing has been done in the past 5 – 10 years. Some of the more common upgrades are:

- Replace exterior security lighting with LEDs.
- Replacing fixtures or lamps with LEDs.
- LED Exit lights.
- Replacing mercury vapor, metal halide, and other high-energy fixtures with LED fixtures.
- Motion detectors for occupied spaces.
- Timers for unoccupied spaces.

As with any possible project, contact the BPA ESRP team with questions.

### Case Study 3: Chemawa Exterior Security LED Wall Packs

- BPA's Chemawa substation was in need of new lighting improvements.
- Proposed project was to replace 29 old High Pressure Sodium 400 watt security lights with 50 watt LED exterior wall pack units.
- Savings for this project: 56,794 kWh/yr.



Chemawa Substation Wall Packet: Note the difference between the one original light fixture on the left and the two upgraded fixtures on the right.

### Case Study 2: Anderson Ranch Dam Lighting Upgrades

- Anderson Ranch Dam is a U.S. Bureau of Reclamation project located north of Mountain Home, Idaho.
- New energy-efficient lighting upgrades were installed in the power and control houses by U.S. Bureau of Reclamation staff.
- Fixtures included LED and high-efficiency T8 fluorescent.
- Staff has commented on how much better the lighting and working conditions are after upgrades.
- Savings for project: 54,235 kWh/yr.



Hollow Jet Galley before lighting.



Hollow Jet Gallery after installation of energy-efficiency fixtures.

## Flow Control

Throughout the entire Pacific Northwest region is a complex system of irrigation canals and tributaries. The water that flows in these systems is either pumped from local rivers and reservoirs, pumped from ground water, or captured directly out of the river systems through diversion dams and weirs. Water is typically ordered by the end use irrigator and sufficient water is then provided by the area irrigation district. Being able to accurately measure and control the amount of water that flows down these lines has the potential of saving millions of gallons of water each year and as a result reducing the pumping load necessary to provide the needed water supply. Any water that can be left in the river system is water that can be used for other purposes.

There have been many techniques for controlling the flow of water down irrigation canals. Some of these methods are basic and require hundreds of labor hours to monitor and control. As a result, controlling volume and timing of water may not be as efficient as it could and should be.

An ideal method of flow control would be to use automated flow gates with real-time metering. When integrated into active canal systems, irrigators from around the world are finding water savings of up to 60% using this technology.

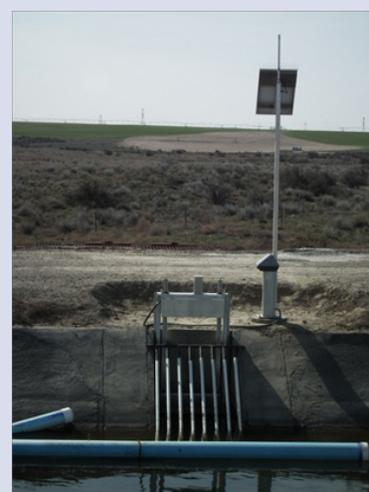


### Case Study 4: South Columbia Basin Irrigation District Upgrade to Rubicon SlipMeter Flood Gates

- Historic control of water flow from a main canal system has been with manual wheel gate controls where a District Water master would physically go onsite and turn a wheel to open or close a flow gate.
- Regulation of the amount of water was by guessing or what is called 'sticking' a ditch to estimate the amount of water that is released.
- With an automated flow meter system like the Rubicon SlipMeter, this process is greatly simplified and managed. The SlipMeter is not only a control gate but also a flow meter that measures the exact amount of water passing through.
- With automated flow control, District staff can enter into a computer the amount of water to be released and the SlipMeter will adjust without having to go to the site.
- Savings for this project: Estimated at 989,914 kWh/yr of pumping energy and 1,933 acre feet of saved water.



Original manually operated flood gate. Operation had to be made on site by District personnel.



Newly installed Rubicon SlipMeter flood gate. Solar powered and remotely operated. The unit is capable of not only regulating the amount of water released, but monitoring the exact flow rate through the system so adjustments can be made at any time necessary.



## General Program Policies

The ESRP program provides an opportunity where irrigation districts, hydroelectric facilities, transmission substations, and fish hatcheries that receive reserved power from the FCRPS or station service may receive BPA financial incentives for increased energy-efficiency projects. Qualified facilities must receive their power directly from the system and not a local utility.

The ESRP budget is limited each year. The application process for ESRP financial incentives is competitive, intended to obtain the greatest electric savings with the available funds. Eligible projects include energy-saving measures such as efficient pumps, variable speed drives, canal lining, and more. Projects which also provide water savings for the FCRPS are given some preference. The ESRP application identifies maximum incentive rates for different project types. Applicants are encouraged to request less if the full amount is not needed. Projects with lower incentive rates are more competitive and allow the ESRP program to support more projects with the available funds.

All applications received will be reviewed, evaluated, ranked, and selected for award based on best incentive/kWh and benefit/cost-ratio to BPA as funds are available.

This competitive application period will be followed by an open season for applications as funds remain available.

Table 1: General Timeline for ESRP

Action	Time Frame	Duration
Request for Applications	Spring	8 Weeks
Review/ranking/selection	Aug.	2 Weeks
Announcement of Projects	Sept.	2 Weeks
Develop Agreements	Sept./Oct.	4 Weeks
Project Implementation Open Season	Remainder of FY	N/A

Applications from the open season will be ranked based on the incentive/kWh requested and will be awarded based on eligibility, available funds and the likelihood of project completion during the required timeframe.

ESRP Agreements are structured to match BPA's funding cycles. The energy savings from completed projects support the achievement of BPA's agency savings targets for the fiscal year in which they were funded. Projects may be designed to be completed in phases allowing partial payments for each phase as it meets the Measurement and Verification (M&V) Plan requirements. In special situations, agreements may be designed to span fiscal years.

Applications must be submitted prior to beginning a project, including ordering parts. Eligible project costs may include in house labor, contracted labor and services, materials and studies or design services necessary to develop the project. Exclude the cost of on-hand materials used in the project. Applicants are encouraged to seek and include funding from other agencies and programs to supplement BPA's funding; however, the combined funding cannot exceed 100 percent of project cost.

BPA realizes there may be projects undertaken without its financial support. The savings for these projects can still be counted toward regional energy-efficiency goals. Please inform BPA of those projects as soon as possible.

An example of a self-funded or co-funded project would be a BPA-qualified measure implemented with the assistance of a WaterSmart grant. This can be accomplished by:

1. Submitting an application without an incentive request from BPA to determine if any of the proposed measures meet BPA requirements.
2. Develop an M&V Plan to be performed when the project's completed to verify the savings. BPA can provide assistance to develop projects and program applications.

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# Collaboration and Target Market

BPA continues to strategically expand its partnerships with irrigation districts and other agencies to identify opportunities to partner with financial and technical assistance. Many irrigation districts have limited funding and staff time.

## Eligible Organizations

Federally Chartered Irrigation Districts

Bureau of Reclamation Hydro Facilities

Corps of Engineers Hydro Facilities

Federal Fish Hatcheries

BPA Facilities/Transmission Services

# Contacts

**Federal Sector Team Lead: David Lee**

503-230-4349 [djlee@bpa.gov](mailto:djlee@bpa.gov)

**ESRP Acting Program Manager: Michelle Lopez**

503-230-4352 [esrp@bpa.gov](mailto:esrp@bpa.gov)

## Technical and Field Engineers:

**Tom Osborn, Pasco**

509-527-6211 [trosborn@bpa.gov](mailto:trosborn@bpa.gov)

**Dick Stroh, Idaho Falls**

208-612-3154 [dcstroh@bpa.gov](mailto:dcstroh@bpa.gov)

**ESRP Website:** <https://www.bpa.gov/EE/Sectors/federal/Pages/Energy-Smart-Reserved-Power.aspx>

**General Questions:** [esrp@bpa.gov](mailto:esrp@bpa.gov)







### Program Application

Applications for fiscal year 2020 projects are due Monday, September 2, 2019. Please complete all fields and use extra sheets, if necessary. The application must be completed, signed, and returned before it can be accepted.

#### A. APPLICANT INFORMATION

Applicant entity:		Federal TIN:
Address:	City:	State, Zip:
Technical contact:	Phone:	Email:
Administrative contact:	Phone:	Email:
Agreement signatory:	Phone:	Email:

#### B. PROJECT PROPOSAL

Project title:		Project location:
Start work date:	Complete work date:	Number of days to complete:
Project summary:		
Current system (operational baseline):		Proposed system (finished state):

#### C. PROJECT BENEFITS AND VERIFICATION

Estimated annual site energy savings (kWh/yr):	Estimated annual water savings (acre ft):
Basis for energy savings (include all pump data and electric savings calculations):	Basis for water savings (include all assumptions and calculations):



**Energy Efficiency**  
**Energy Smart Reserved Power**

Energy cost savings (kWh times power rate):	Water cost savings (acre-feet/yr saved times cost of water):	Operations & Maintenance cost savings per year:
Non-energy benefits (reduced operations and maintenance expense, reduced fertilizer user, positive environmental benefits):		
Savings verification plan (include details on how the energy and/or water savings will be measured and verified once the project has been completed. Measurement and verification plans may require modification to meet BPA requirements. Guidance is available online in BPA's M&V Protocol Selection Guide and Example M&V Plan):		

**Table 1. Project Measure Life**

Measure	Life (Yrs.)
Pumps and fans	10
Canal lining and piping	30
Reduce pumping plant friction loss	15
Reduce system lift	10
System water delivery improvements	5
Lighting	12
Thermostats	5
Windows and insulation	30
HVAC: Heat pumps (air-source, water-source, and ductless); rooftop units; improvements to centrifugal, reciprocating, rotary screw and scroll chillers; improvements to economizer, fan, pump and variable refrigerant flow systems	15

**Table 2. Incentive Rate by Measure Life**

Measure Life (years)	\$/kWh
1	\$0.03
2-3	\$0.05
4-19 Retrofit	\$0.25
4-19 Major renovation/New construction	\$0.27
20+	\$0.35



**D. PROJECT FINANCIAL INFORMATION**

BPA Energy Smart Reserved Power (ESRP) funding is capped at the lesser of a) the total project cost, b) the \$/kWh rate indicated on the Measure Life Table 1 and Table 2 under section C, or c) \$500,000. If your project receives funding from outside sources, the additional funds and the BPA ESRP funding must be less than or equal to the total project cost.

<i>Incentive Calculation</i>		
a. Total project cost: Include required project studies, in-house labor, materials, any contracted work and other charges. Subtract incentives provided from other sources.		
b. Energy savings calculated incentive	Savings (kWh)  X	Incentive Rate  =
c. Maximum ESRP incentive:		
Incentive requested (lesser of a, b, and c)		

**E. APPLICANT AGREEMENT**

My signature below indicates the following:

- I/We represent a qualifying irrigation district or other entity that uses federal reserved or station power.
- All the information in this application is true and accurate to the best of my knowledge.
- The work in this proposal has not been initiated at the time of this application.
- I/We understand our organization/legal entity will need to be registered in BPA's financial system to receive ESRP funding payments and will work with BPA staff to do that.
- All referenced supporting materials have been provided with this application.
- I/We will provide BPA staff access to the project site.
- I/We will provide additional project documentation upon request.
- I/We understand that changes to the proposal after BPA's acceptance could impact the funding received.
- I/We understand that eligibility for the Energy Smart Reserved Power program will be determined by BPA.
- I/We understand I/We must also sign a project-specific agreement and comply with the program terms and conditions to receive ESRP funding from BPA.
- The project installation associated with this application will be completed before September 30 of the fiscal year in which it is funded.

Applicant printed name:	Applicant title:
Applicant signature:	Date:

When completed, email your application and supporting documents to: [mrlopez@bpa.gov](mailto:mrlopez@bpa.gov). Email applications are preferred, but mailed applications will also be accepted. Applications can be mailed to: Bonneville Power Administration, Attn: ESRP Program – PEJC-6, PO Box 3621, Portland OR, 97208-3621.



**F. ADDITIONAL INFORMATION**

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# *Energy Smart Reserved Power*

Bonneville Power Administration

*Updated 5/20/2019*

Energy Smart Reserve Power (ESRP) is an energy-efficiency incentive program for irrigation districts, hydroelectric facilities, substations, fish hatcheries, and other facilities that access reserved power directly from the Federal Columbia River Power System (FCRPS). The program provides funding to support the implementation of cost-effective energy-savings projects to help maximize the efficiency of the FCRPS.

**1. How much funding is available?**

The amount of funding available may vary each year. While the ESRP funding for fiscal year 2020 is not final, we plan to have approximately \$2,000,000 available for new projects.

**2. How do I apply?**

Please download and complete the form, provide the requested supplemental materials, and submit the completed application packet to BPA by email to [esrp@bpa.gov](mailto:esrp@bpa.gov). A copy of the current application form is available as a Word document or fillable PDF at: [www.bpa.gov/goto/EnergySmartReservedPower](http://www.bpa.gov/goto/EnergySmartReservedPower).

**3. Can I submit multiple projects in my application?**

Yes. Applicants are encouraged to bundle multiple projects together. However, keep in mind that the total funding rate (\$/kWh saved) for each application is critical. Including projects with higher funding rates may make your application less competitive.

**4. Can I apply more than once?**

Yes, multiple applications may be submitted provided each one meets the program criteria.

**5. How much funding can I receive?**

The maximum funding an application is eligible to receive is capped at the lesser of either

- \$500,000
- The kWh savings of the project and a maximum incentive rate based on the expected effective life of the energy-efficiency measures that are included; and
- The total project cost.

The application form includes two tables to help you determine the maximum amount per application, based on the measures. You may submit multiple applications.

All other things being equal, applications with lower funding rates (\$/kWh) may be favored over those with higher rates. Because this program has a limited budget, you are encouraged to request less than the maximum amount if the full amount is not needed to implement the project.

**6. Can these funds be used as matching funds for federal grants?**

Not usually, but there are many non-federal programs that will accept BPA funding as match funding. Project applications received prior to application deadlines for other programs may be eligible to receive a letter of intent to award, which can be used for matching other programs.

**7. Which types of measures are eligible?**

Any measure which saves reserved or station power from the FRCPS is eligible. Examples include—but are not limited to—upgrading to more efficient pumps, installing variable frequency drives, canal lining and lighting retrofits.



# *Energy Smart Reserved Power*

Bonneville Power Administration

**8. When are applications due?**

Applications are due by 11:59 p.m. PDT, on Monday, September 2, 2019. Applications received after this date will be considered only if funds are available after the first round of selections has been completed. Applications must be submitted electronically to [esrp@bpa.gov](mailto:esrp@bpa.gov).

**9. Will there be an Open Season this year?**

In past years, the program has offered an open season, where projects could be approved on a case-by-case basis for as long as funding was available. Beginning this year, ESRP will not offer an open season. Applicants who require assistance to meet the deadline are encouraged to contact the program for assistance.

**10. When will I know if my application has been successful?**

BPA expects to announce funding recipients by September 16, 2019.

**11. What is required in an application for incentives?**

The application requires a full description of the project, including its location, energy-efficiency measures to be installed, energy- and water-savings estimates, other cost savings, project-cost estimate, and the method(s) used to evaluate energy-and water-savings.

**12. Will BPA provide technical assistance in application preparation?**

BPA engineers can provide advice and assistance in understanding what BPA is looking for in successful applications. BPA assistance can be coordinated by contacting Michelle Lopez at 503-230-4352 or [esrp@bpa.gov](mailto:esrp@bpa.gov).

**13. What are allowed project costs?**

Project costs should include in-house labor, contracted labor and services, materials, and the cost of any studies or design services necessary to finalize the project. If you are going to use any materials already in your inventory for the project, you should not include their cost.

**14. What is a Project Verification Plan?**

A verification plan is a statement of how the energy savings from your projects will be measured and verified. This plan will become the basis for BPA's incentive payments. BPA engineers can help you develop a verification plan that will work for your project(s). The final plan must be acceptable to BPA and may be different from what is specified in your application.

**15. Will there be some sort of agreement for selected applications?**

Yes. A simple agreement that spells out the roles and responsibilities for both parties will be required. Agreements will be provided for each application selected for funding, will identify the maximum amount of funding, and will include the verification plan, agreement terms, and conditions.

**16. When will I be paid?**

In most cases, payment will be made upon completion of the projects, verification of the savings, and satisfaction of any other requirements in the ESRP agreement. If the project is structured to be completed in phases, the payment can also occur in phases after each is verified.

**17. How will I be paid?**

Payments will be made via electronic fund transfers. Participating districts will have to be registered in BPA's financial system. BPA staff will contact you to set up the payments.



# *Energy Smart Reserved Power*

Bonneville Power Administration

**18. When do projects need to be completed?**

The ESRP program is intended to have projects completed by the end of the fiscal year for which the agreement is effective. Projects may take longer than a single fiscal year however payment is only paid upon completion. For projects and agreements signed for this solicitation, the target completion date is September 30, 2020.

**19. When can projects be started?**

Work on your project installation can only begin after an agreement has been signed. In some instances, an Authorization to Begin Work may be provided by BPA, allowing work to start sooner. Project materials may be purchased prior to having a signed agreement; however, expenses incurred prior to having a signed agreement are at your own risk.

**20. What if my project changes after we have an agreement?**

The maximum funding your project may receive is specified in the agreement. BPA appreciates advance notification of all significant changes in your project. If the changes increase the funding eligibility of the project you should contact BPA as soon as possible to request consideration of a modification to your agreement. Any modification to increase the incentive associated with your agreement must occur prior to project completion.