

Open Q Proposal

Program/Measure Name: Behavioral Home Energy Efficiency and Usage Reports

Date: 1-16-2024

1. Brief description of program or measure(s) proposed for Open Q consideration:

- Overall Summary
Provide a high-level summary of the proposed measure or program you are planning to implement and report to BPA.
 - **We would offer insight on how members are using their power and some suggestions on how to remove inefficiencies. Additionally, a report on how their home compares to other homes of similar**
 - **characteristics. These suggestions would be sent out monthly, through email and be available to review in their online account.**
- Describe the baseline conditions for the program/measure
What is the inefficient condition the measure or program will change? This represents the starting place from which you propose to measure savings.
 - **The baseline is not receiving the digital communications and not having access to the online account information.**
- Described the proposed energy efficient measure/program
How will the measure or program change the baseline conditions? What will it do to create energy savings?
 - **The program is designed to provide insights into where power is being used in the home and how it can potentially be improved. It can also guide members on behavioral changes as well as upgrades.**
- What are the implementation criteria or requirements of the measure/program?
What implementation rules will your proposed measure/program require? Are there any specific criteria you plan to impose?
 - **This is an opt-out program, meaning that everyone with an online account is automatically enrolled. No one is excluded.**

2. Please provide the following values and an outline of how you estimated or calculated them (if submitting technical files to show calculations, you can say “see [filename]”):

- Measure Savings
What savings do you estimate for this proposed measure / program per installation and how did you estimate them?
 - We estimate up to 6 million kWh saved annually from the entire program. This number is based on the estimated savings from BPA's UES measure list for the digital BHERs program.
- Measure Incremental Cost
How much does the measure/program cost compared to the baseline? For example, if you are proposing to install a more efficient technology, how much more does it cost than an inefficient alternative?
 - The inefficient alternative is no program so the incremental cost of implementation is \$11,000 annually for our entire membership. This does not include a startup cost of \$25,000.
- Measure Life
How long do you think the measure will last after it is installed? How long before it would typically be replaced or deactivated?

- Based off of BPA's UES measure it would be one year.
- Market Potential
 - How much total savings do you think this program can achieve and how did you estimate this figure?*
 - Please see above for total measure savings.

3. **What method will be used to verify the savings post-installation?**

Approval requires verification of estimated savings within two years of approval. This can be done through evaluation or onsite verification. What is your proposed means of verifying savings?

- **Pre and post usage data will be calculated and weather normalized for those participating in the program.**

4. **Will you be collecting any data from the installation sites?**

- We will be collecting daily usage data.
- Would you be willing to share that data with BPA for further measure development?
 - Yes

For Reference: Payment Rate Table from Section 5.1 of the Implementation Manual (Custom Programs Payment Rate):

PROJECT TYPE	MEASURE LIFE (YEARS)	SECTOR	PAYMENT RATE (\$/KWH)
Nonresidential Lighting	All	Agricultural Commercial Industrial	\$0.13
New or Retrofit Construction, Major Renovation (Excluding Nonresidential Lighting)	1	All	\$0.025
	2-3	Agricultural Commercial Industrial Residential	\$0.06
	4-19	Agricultural Commercial Industrial Residential Utility Distribution	\$0.33
		Whole Building New Construction * Commercial Industrial	\$0.35
	20+	Agricultural Commercial Industrial Residential Utility Distribution	\$0.38
New Construction	45+	Residential	\$0.45