

**Bonneville Power Administration
Evaluation Project Updates
September 2018**



2016-2017 UES Evaluation Work

Background:

BPA conducted an impact evaluation of the Unit Energy Savings (UES) portfolio in 2016 focused on residential envelope and HVAC measures. The team conducted a DHP eFAF customer survey to better understand the draft savings estimates from 2016 billing analysis for this measure. BPA conducted further impact evaluation of the UES portfolio in 2017 focused on performance HVAC measures and other measure groups across the residential, agricultural and industrial sectors.

An internal team of subject matter experts has supported BPA in the strategy and planning for the evaluations. You can find presentations of the evaluation approaches, highlights and final evaluation plans at www.bpa.gov/goto/evaluation.

DHP eFAF & DHP Zonal Impact Analysis:

The evaluation team finished the final quality check, allowing them to finalize results to be shared in the internal slide deck, and for SBW's cost effectiveness testing. In addition, the team has received and responded to feedback from RTF staff after presenting the initial results. The

team has continued working through the results roll-out process, by developing final drafts of the external slide deck, report, highlights document, Excel results file, and site level results. The internal brown bag with BPA was held on August 8, 2018.

As a part of the 2017 data collection efforts, our team received opt-in billing data from 11 utilities for prescriptive duct sealing and DHP projects. We are continuing to clean and incorporate this data into our sample to improve the savings estimates and statistical significance derived from our 2016 evaluation work. In June, the team shared initial billing analysis results with Bonneville evaluation staff. These results included analysis that incorporated previous feedback from RTF staff and Bonneville. The team finished the final quality check of the opt-in billing data and finalized results were shared in the internal slide deck on August 8, 2018 during the internal BPA brown bag. Our team also received and responded to RTF staff feedback after presenting the initial results. The team is working to adjust the final analysis based on the RTF's responses to their proposed plan.

**Have an idea on what you think should be evaluated?
Send it to Phillip Kelsven at pakelsven@bpa.gov!**

2017 UES Impact Evaluation of Performance HVAC Measures and other Residential, Agricultural, and Industrial Measures:

The evaluation team completed the analysis report, including cost-effectiveness analysis results, for the sampled 2017 UES measures, including residential advanced power strips, showerheads, heat pump water heaters, agricultural transformer de-energization and industrial & agricultural green motor measures, and shared it with BPA staff.

The evaluation team also collected data and conducted analysis on select residential performance HVAC measures to determine the feasibility of using program QA/QC data for impact evaluation. While the team could not ultimately conduct an impact evaluation on the measures due to multiple factors, the team drew several conclusions from the analysis that could support a future impact evaluation.

The team held an internal brown bag in April 2018 and an external brown bag on May 1 to review results from this study. The final report, presentation, and BPA response memo have been posted on BPA's evaluation website (www.bpa.gov/goto/evaluation).

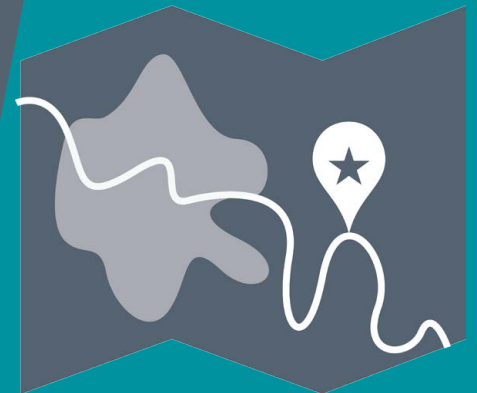
Other Evaluation Activities

Process Evaluation:

The team worked to implement the new Process Evaluation framework that BPA finalized in 2017. The process team conducted a survey of utilities to get feedback on specific areas of the BPA EE portfolio. The survey was fielded to 139 utilities for approximately two weeks in February-March 2018 and achieved a 50% response rate. Process evaluation results were presented during an internal brownbag on May 22nd. Additionally, a PowerPoint slide-doc was created containing all the survey results, findings, and recommendations. This slide-doc document accompanied the external brownbag held on June 14th as a reference for customer utilities who want to dig into the details. Visit www.bpa.gov/goto/evaluation to review all the files.

2018/2019 Impact Evaluation Planning:

The evaluation team looked ahead to future impact evaluation activities in 2018 and 2019. The evaluation team presented the evaluation approaches to internal BPA stakeholders in May.



Why Evaluation? www.bpa.gov/goto/evaluation has plans and reports!