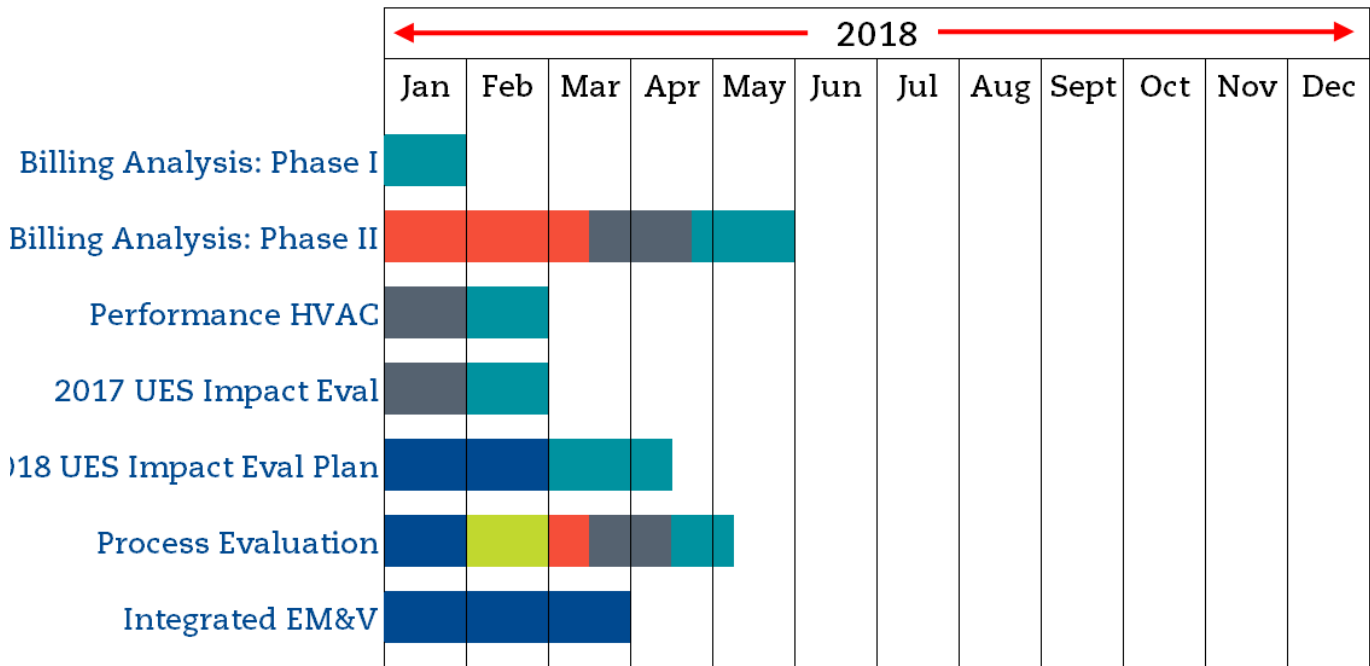


**Bonneville Power Administration
Evaluation Project Updates
February 2018**

2018



Evaluation Timelines



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 is conducting 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 one-pagers, and final evaluation plans at www.bpa.gov/goto/evaluation.

2016 Weatherization and Residential HVAC Impact Billing Analysis:

On November 2nd 2017, the evaluation team shared final billing analysis results for residential window, insulation, heat pump conversion, and performance duct sealing measures with external stakeholders. The evaluation team shared and discussed the draft report, including cost-effectiveness results, with BPA staff in January, with publication of the report to follow soon.

DHP eFAF & DHP Zonal Impact Analysis:

The evaluation team completed surveys to help the team better understand the draft savings estimates from our billing analysis of DHP eFAF

projects. In November, Navigant and BPA's evaluation team established a direction for finalizing the DHP survey results and integrating those results with billing data. The team plans to document in a memo the approach to incorporate these findings into the on-going billing analysis.

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 in an effort to improve the savings estimates and statistical significance derived from our 2016 evaluation work.

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. We plan to hold internal and external brown-bags to review results in the next quarter.

This quarter, the evaluation team completed data collection for the impact evaluation of select residential performance HVAC measures using program QA/QC, thanks to the valuable contribution of the PTCS team. The team is working on the analysis reporting and will share the results beginning in March.

Have an idea on what you think should be evaluated?
Send it to Allegra at ajhodes@bpa.gov!

Industrial Energy Management Impact Evaluation



Background:

BPA conducted an impact evaluation of the Industrial Energy Management program, including two of the High-Performance Energy Management cohorts and on Track & Tune facilities. The evaluation team used regression analysis to estimate energy savings and characterize year-to-year savings trends. The evaluation surveyed participants for SEM adoption and developed recommendations for methods to improve program savings estimates and impact evaluation methods for this program.

Status:

Internal team finalized report in February. The report was updated substantially based on feedback and is now posted on the website. The evaluation team gave a webinar presentation in late February, and the programs team developed a BPA response memo to accompany the results.

Other Evaluation Activities

Process Evaluation:

The team has been working to implement the new Process Evaluation framework that BPA finalized in 2017. This quarter, the process team developed a survey instrument to get feedback on specific areas of the BPA EE portfolio. In addition, the team finalized the internal and external communications protocols for use throughout the survey effort. The process evaluation team is transforming the survey instrument into an online survey tool and plans to field the survey to customer utilities starting in February.

2018/2019 Impact Evaluation Planning:

The evaluation team is looking ahead to future impact evaluation activities in 2018 and 2019. The team is currently finalizing measure groups and refining evaluation approaches, and expects to share the evaluation plan and draft samples in the coming months. Stay tuned!



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