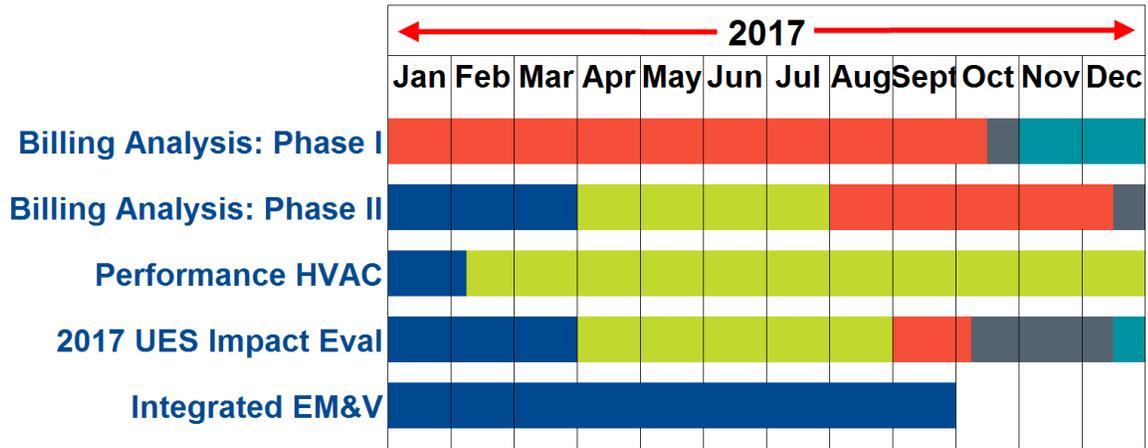




**Bonneville Power Administration
Evaluation Project Updates
October 2017**



Evaluation Timelines



2017 UES Evaluation Work

Background: BPA is conducting an impact evaluation of the UES portfolio in 2017 focused on six important measure groups across the residential, agricultural and industrial sectors. The team identified these measure groups understanding the stakeholder needs and strategic opportunities. The team also conducted DHP eFAF customer survey to better understand the draft savings estimates from 2016 billing analysis for this measure.

2017 UES Impact Evaluation: Throughout the summer and early Fall, the evaluation team completed the data collection and analysis for the sampled residential advanced power strips, showerheads, heat pump water heaters, de-energization and Green Motor measures! We have moved forward working on the cost-effectiveness analysis and reporting. We plan to hold internal and external brown-bags to review results later this Fall/early Winter.

DHP eFAF & DHP Zonal Impact Analysis: The evaluation team launched our DHP replacing electric forced air furnace customer survey in July. By the end of August, we completed 172 surveys, exceeding our target of 150. This survey results have been discussed internally and will help the team better understand the draft savings estimates from our billing analysis of DHP eFAF projects. In October, we will determine how to incorporate these findings in 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.

2016 UES Evaluation Work

Background: BPA conducted an impact evaluation of the Unit Energy Savings (UES) portfolio in 2016 focused on the largest slices of the UES portfolio - residential lighting, and envelope measures. Additional residential HVAC UES measures were also slated for an evaluation in 2016, which is currently underway and scheduled to be completed in early 2018. An internal team of subject matter experts has supported BPA in the strategy and planning for this evaluation. You can find a presentation of the approach, a highlights one-pager and the final evaluation plan at www.bpa.gov/goto/evaluation.

Weatherization and HVAC Impact Billing Analysis: Throughout this past quarter, the evaluation team shared and discussed draft results with BPA and RTF staff, including the regional implications of these results. These discussions also included a comparison of savings as a percentage of heating and cooling load between RTF UES values and the billing analysis findings, and the decision to provide more disaggregated window savings. On October 26th, we will present our results in an internal brown-bag. The final results will be shared in an external brown-bag scheduled for November 2nd.

Performance HVAC Impact using Program QA/QC: The team is working with PTCS team and CLEAResult to leverage existing oversight to collect the data for the evaluation. In August, evaluation team shared interim results with internal team and received comments. The team expects to finish the data collection by the end of the calendar year with analysis and reporting to follow in early 2018.

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

Industrial Energy Management Impact Evaluation



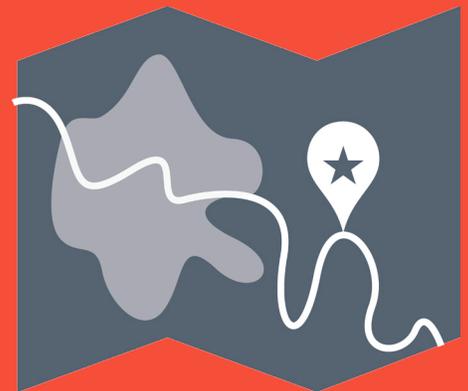
Background: BPA conducted an impact evaluation of the Industrial Energy Management program, including two of the High-Performance Energy Management cohorts and on Track & Tune facilities. The evaluation team used regression analysis to estimate energy savings and characterize year-to-year savings trends. The evaluation surveyed participants for SEM adoption and also 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 Policies: We received helpful feedback from sector leads regarding our June 29th brown bag that covered the new process evaluation framework.

The evaluation team has worked together to identify the program and measure groups to be included in the first process evaluation, and data collection activities are scheduled to begin in early 2018. More details to follow!



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