



EVALUATING ENERGY EFFICIENCY

Project Updates - Summer 2025

Evaluation Strategy

Bonneville Power Administration (BPA) contracted with Evergreen Economics, SBW Consulting, and Apex Analytics to plan and conduct Energy Efficiency (EE) impact and process evaluations. The team is currently undertaking evaluation activities, following a planning effort they conducted for BPA (see: [latest evaluation strategy](#) for more information about the evaluation planning effort).

Impact Evaluation Activities

Impact evaluations estimate the energy savings achieved by programs and assess their cost effectiveness, in addition to identifying ways to improve the programs, with a focus on increasing savings.

Residential Air Source Heat Pump and Variable Speed Heat Pump Impact Evaluation: BPA recently completed an impact evaluation to estimate savings from residential electric forced air furnace conversions to air source heat pumps (ASHPs) and variable speed heat pumps (VSHPs).

Overall, evaluated savings generally matched the Regional Technical Forum's (RTF's) estimates, or BPA's source for reported savings. The study verified that the energy savings BPA claimed through our EE program align with expectations. This study is good news for BPA because it shows that BPA and the RTF have accurately estimated energy savings and reinforces the reliability of the energy savings. BPA held a webinar on May 29 to discuss the results of the study.

Thank you to those utilities for providing data to help with this important study. The final report is available on [the energy efficiency website](#).

Non-Industrial Custom and Energy Smart Reserved Power (ESRP) Program Impact Evaluation: BPA is currently conducting an impact evaluation of the non-industrial custom portfolio (which includes commercial, agricultural and residential sectors) and custom ESRP projects to understand savings performance and identify recommendations for improving the reliability of savings. The [study research plan](#) includes engineering modeling, the collection of project files, and site visits from a statistically representative sample of 32 measures. The sample ensures representativeness for both Option 1 and Option 2 utility custom portfolio projects, with more sample points allocated to larger projects. Sampled projects are from 16 utilities, along with five ESRP program projects.





Thank you to those utilities for working with BPA and the evaluation team to provide project data and facilitate end user cooperation. BPA’s evaluation contractor team has just completed collecting end use customer data collection and is currently conducting analysis. BPA will release the final report in late 2025.

Process Evaluation Activities

Process evaluations focus on identifying opportunities to streamline program processes, to make participation more convenient and appealing for participants, and to allow programs to deliver incentives and support utilities and end-users more effectively and efficiently.

Comfort Ready Home Process Evaluation: BPA is conducting an evaluation of its Comfort Ready Home program to assess the effectiveness of the program and identify ways to improve program delivery and satisfaction. The evaluation includes interviews with implementation staff, a comprehensive review of program data, and interviews with utilities and contractors.

BPA’s evaluation contractor is currently planning utility and contractor interviews, with a final report expected in late 2025.

EVALUATION ACTIVITY		FY 25								FY 26			
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Impact	Residential HVAC												
	Non-industrial Custom / ESRP												
Process	Comfort Ready Home												

