

Energy Efficiency Measurement & Verification



Background

In 2009, BPA's Energy Efficiency program had a vision for regional consistency and creating a framework for reliable savings with custom project M&V. To accomplish this goal, BPA Energy Efficiency worked closely with regional stakeholders and the Regional Technical Forum. BPA contracted with a team led by Research Into Action, Inc., to assist Energy Efficiency staff in revising the M&V protocols used to ensure energy savings for the custom projects it accepts from its utility customers. Research Into Action's team of national experts conducted two phases of research and protocol development under the contract, with BPA publishing the original M&V protocol documents in 2012 as Version 1.0.

In summer of 2017, BPA contracted with a team led by kW Engineering, Inc., to assist the organization in revising the M&V protocols. Edits across multiple protocols included safety considerations, data collection techniques and devices, codes and standards baselines, non-routine events and adjustments (suggesting a flexible framework for identifying and handling in models, and documentation/support for exclusions), and consistency with the [Selection Guide](#). The team conducted a detailed review and user assessment of the 2012 M&V Protocols, developed the revised Version 2.0 document set in 2018, and created the BPA M&V [Peak Demand Impacts Application Guide v1.0](#).

For more information about BPA's Measurement & Verification protocols, please contact EnergyEfficiencyMV@bpa.gov.

