

Snapshot of CT DEEP Proposal to DOE: Standardized, Sustainable and Transparent EM&V – Integrating New Approaches

WHO:

- Team: CT DEEP (Applicant), NEEP (Sub-Awardee), LBNL, Eversource-CT and United Illuminating
- Supporting States: DE, DC, NH, NY, RI, VT

WHAT: Objectives of the DOE Grant Overall

- Test the use of advanced data analytics and collection tools (M&V 2.0) and compare to traditional EM&V practice in terms of savings certainty, timeframe and other aspects.
- Assess how advanced capabilities of M&V 2.0 tools are best integrated or coordinated with supplemental evaluation and analysis.
- Track use of advanced data analytics and collection tools and transfer knowledge to build state capacities in the region.
- Develop and support transparency and adoption of acceptance criteria and standardized software testing protocols and reporting.
- Inform and coordinate EM&V 2.0 learning and pilot results with other regional EE organizations and national efforts.

HOW: Technical Scope of Task 1A the Commercial M&V 2.0 Pilot described below (see schedule for brief description of other sub-tasks)

- Work with utility partners to apply M&V 2.0 methods in existing program pilots using either proprietary or open-source tools (based on utility interest) in combination with non-routine adjustment algorithms
- Strategically select up to 35 buildings total within Eversource and UI service territories
- Conduct the M&V2.0 simultaneously with traditional M&V approaches
- Quantify savings uncertainty at the building and the aggregated pilot level.
- Compare costs of M&V2.0 vs traditional M&V
- Document results and incorporate into a resource guide for transferability and future replication
- Leverage findings to inform the Residential EE Pilot (Task 1B)

WHEN: 3 year project beginning in 2017; See opposite side of page for schedule by task and quarter

WHY:

“The overall goal of this project is to explore and develop expertise and experience with advanced data collection and analytic tools and develop standardized automated M&V software tool protocols in order to support state efforts in the region to adopt and implement streamlined EM&V practices that provide for reliable, standardized, transparent and cost-effective approaches to quantify energy efficiency savings to support their state and regional policies and markets.”

