



NORTHEAST ENERGY EFFICIENCY PARTNERSHIPS

**WELCOME TO  
REGIONAL EM&V FORUM  
ANNUAL PUBLIC MEETING  
Hartford, Connecticut**

March 31, 2016

THANK YOU!



**ENERGY**SAVVY



# EM&V Forum 2016

## Project Portfolio



### **Steering Committee Facilitation and EM&V Exchange for participating States on:**

1. EM&V Methods – Protocols, Reporting and Training
2. EM&V 2.0 - Data Collection, Analytics and Auto M&V
3. EM&V for EE Integration with Other DERs
4. State EE Data Analysis & Trends
5. EM&V for New Technologies and Program Models

**Participating States: CT, DC, DE, NH, RI, VT**

# EM&V Methods

## Protocols, Reporting and Training



### Purpose and Deliverables:

- Inform national protocol and EM&V guidance development (US DOE Uniform Methods Project, EPA CPP EM&V, ANSI EESCC) – provide input/comments
- Build understanding and transparency through use of standardized documentation of EM&V →



# DATA COLLECTION, ANALYTICS & AUTO M&V

## EM&V '2.0'



### Purpose and Deliverables:

- Continue research on developments and experience
- Facilitate information exchange via workshops, webinars
- Inform and support pilot demonstrations, and standardized auto-M&V software protocols



*Opportunities for Home Energy Management Systems (HEMS) in Advancing Residential Energy Efficiency Programs, August 2015*

*The Changing EM&V Paradigm - A Review of Key Trends & New Industry Developments, and Their Implications on Current and Future EM&V, Dec 2015*

# EM&V FOR INTEGRATED EE AND OTHER DISTRIBUTED ENERGY RESOURCES (DERS)



## Purpose and Deliverables:

- Research and report on integrated EE with other DERS (programs and EM&V)
- Focus on geo-targeting efforts, case studies and EM&V
- Develop guidance based on research (2017)



***Energy Efficiency as a Transmission and Distribution Resource Using Geo-Targeting*** January 2015

# STATE DATA ANALYTICS & REED: REGIONAL ENERGY EFFICIENCY DATABASE ANALYSIS



## Purpose and Deliverables:

- Support benchmarking EE programs and research on regional assumptions
- Update REED annually – *2014 data added in January*
- Topical briefs
- Improve REED interface (e.g., reporting typology - contingent on funding)



*Explore new REED revenue model*

# 2011-2014 DATA IN REED

Visit: [reed.neep.org](http://reed.neep.org)



## New registration wall in REED:



### REGIONAL ENERGY EFFICIENCY DATABASE

Home	Reports ▶	Glossary	State Documents & Key Info ▶	Cost Effectiveness Screening	Energy Efficiency Forecasts
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#### Welcome to the Regional Energy Efficiency Database (REED)

REED serves as a dashboard for the consistent reporting of electric and natural gas energy efficiency program energy and demand savings in the Mid-Atlantic region.

**In order to access REED, please fill out the following information:**

First Name:	<input type="text"/>
Last Name:	<input type="text"/>
Email Address:	<input type="text"/>
Affiliation:	<input type="text"/>
Job Title:	<input type="text"/>

By entering the REED Website, you agree to the following [disclaimer](#).

Enter REED



# EM&V FOR NEW TECHNOLOGIES AND PROGRAM MODELS



## Purpose and Deliverables:

- **Industrial Efficiency** - Best Practice Guidance for Cost-Effectiveness Screening and EM&V for Strategic Energy Management
- Claiming Savings from **Air Source Heat Pumps (ASHP)** - EM&V Issues and Approaches
- **New Rooftop HVAC** Program Business Model – EM&V Issues and Approaches



# CONTINUED WORK IN 2016 (FROM 2015)



- Net Savings Guidance (April 2016)
- Research – Loadshape Data Catalog (May 2016)
- Incremental Cost Research – Emerging Technologies (May 2016)
- Mid-Atlantic TRM (June 2016)

# THANK YOU!



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