

QUICK TAKES: A RANDOM WALK DOWN MEASURE AND TECHNOLOGY LANE

Moderator: Scott Pigg, Seventhwave

PAPERS *(in order of appearance)*:

Heat Pumps Are Like Bulletproof Vests and Other Lessons Learned from a Pilot Evaluation

Jeremy Kraft, EMI Consulting
Ellen Steiner, EMI Consulting

Warming Up to Direct Install Refrigeration Measures

Arlis Reynolds, Cadmus
Tim Murray, Cadmus
Carlyn Aarish, Cadmus
Elizabeth Titus, Northeast Energy Efficiency Partnerships
David Jacobson, Jacobson Energy Research
Stephen Waite
Jay Robbins, DMI
Kevin McGaffigan, DMI

Third Party Verification of a Non-Regionally Specific Appliance Recycling Model Using On-Site Metering

Pace Goodman, Navigant Consulting, Inc.
Rosanna Jimenez, Consolidated Edison, Inc.
Steve Hastie, Navigant Consulting, Inc.
Chris Wassmer, Navigant Consulting, Inc.

Sealing the Gaps: A Case Study in Proactive Weatherization Program Design

Brian Harold, ADM Associates
Adam Thomas, ADM Associates

Flushing Away Our Resources: A Closer Look at Toilets and Energy Conservation

Steven Keates, ADM Associate, Inc.
Trisha Ruby, Truckee Donner Public Utility District

Challenges in Evaluating Monitoring-Based Commissioning Programs in California

Amit Kanungo, DNV GL
Fred Coito, DNV GL

Not so Intractable After All? Lessons from a Midstream Energy Efficiency Pilot Targeting Set-Top Boxes

Alexandra Dunn, Research Into Action
Mersiha McClaren, Research Into Action
Miriam Fischlein, Southern California Edison

SESSION SUMMARY:

This session runs the gamut from evaluating how using ductless heat pumps to offset fuel oil heat in Maine to assessing efforts to accelerate the adoption of energy-efficiency set-top boxes in southern California. The common theme: using evaluation to push the boundaries for assessing new technologies

and program approaches—and in some cases improving evaluation methods themselves. Working our way from the northeast to southwest geographically...

...Kraft and Steiner show that ductless heat pumps can offset the need for fuel oil for heating homes in Maine, though the magnitude of these impacts depends critically on details about how and where they are installed and how people choose to operate them.

Reynolds et al., extend the notion of direct-install programs into the arena of commercial refrigeration systems as part of a load-shape study in the Northeast and Mid-Atlantic region, discuss the evaluation complexities and the competing interests of technology vs. impact evaluation.

Goodman et al., examine the applicability of the Department of Energy's Uniform Methods Project approaches to evaluating an appliance recycling program in New York, and show how impact estimates can be obtained more quickly and at less cost by leveraging existing data using these methods.

Thomas and Harold next take us to Arkansas, and build an interesting contrast between two approaches to delivering residential weatherization services: one a statewide coordination among utilities and low-income weatherization providers; the other a utility-led effort. They demonstrate how choices in program design—and who to partner with—can have a significant impact on the ability to meet goals.

Keates and Ruby take a quantitative (and timely) look at the water/energy nexus for one public utility district in northern California to demonstrate how water conservation efforts can also contribute to energy efficiency goals.

Kanungo et al. examine what happens when continuous monitoring is combined with retro-commissioning efforts in large institutional buildings in California. They reveal the complexities involved in achieving synergies from using monitoring to evaluate and ensure the persistence of retro-commissioning activities.

Finally, Dunn et al. report on an interesting randomized control trial to encourage households in southern California to upgrade to more efficient set-top boxes. They document that consumers can be enticed to upgrade these always-on devices—though in this case, not without some unintended consequences.