

NEW THINKING FOR SAVINGS ESTIMATION USING METERED CONSUMPTION DATA AND COMPARISON GROUPS

Moderator: Patrice Ignelzi, Applied Energy Group

PAPERS:

Comparison Groups for Whole Building Program Impact Evaluations: They Are Harder and Easier Than You Think

Katherine V. Randazzo, Opinion Dynamics
Richard S. Ridge, Ridge & Associates
Seth Wayland, Opinion Dynamics
Brian A. Smith, Pacific Gas and Electric Company

Not Just Another Pretty Formula: Practical Methods for Mitigating Self-Selection Bias in Billing Analysis Regressions

Miriam L. Goldberg and G. Kennedy Agnew, DNV GLs
Meredith Fowlie, University of California Berkeley
Kenneth Train, NERA
Brian A. Smith, Pacific Gas and Electric Company

Take It from the Top! An Innovative Approach to Residential and Commercial Program Savings Estimation Using AMI Data

Stephen Grover, Evergreen Economics
John Cornwell, Evergreen Economics
Sarah Monohon, Evergreen Economics
Ted Helvoigt, Evergreen Economics

SESSION SUMMARY:

This session artfully pushes the envelope of how to actually improve the accuracy and interpretability of savings from today's energy efficiency programs. As portfolios include a combination of rebate and behavior programs, and more granular data on customer energy usage become available, evaluators can and should consider new methods for making estimates of both gross and net savings. The papers cover the landscape of methodologies for residential and non-residential programs; examine the implications of using different comparison groups; and range from concept, to methodological formulations and selection, to results.