

## SESSION 1C

### EVALUATION RULES! PROTOCOLS AND FRAMEWORKS

*Moderator: Elizabeth Titus, Northeast Energy Efficiency Partnerships, Inc.*

#### PAPERS:

##### **Building Bridges Between Energy Efficiency Program Evaluation and Greenhouse Gas Mitigation Quantification Protocols**

David Sumi, PA Consulting Group  
Bryan Ward, PA Consulting Group  
Nick Hall, TecMarket Works

##### **Developing Protocols to Estimate Load Impacts from Demand Response Programs and Cost-Effectiveness Methods – Rulemaking Work in California**

Daniel Violette, Summit Blue Consulting Practice, LLC  
David Hungerford, California Energy Commission

##### **Starting Over – Developing an Evaluation Framework and Protocols in Ontario**

Mike Messenger, Ontario Power Authority

##### **New Evaluation Framework: Turning the Silo on its Side**

Cherie Gregoire, New York State Energy and Research Authority  
Jennifer Meissner, New York State Energy and Research Authority  
Patricia Gonzales, New York State Energy and Research Authority  
Victoria Engel, New York State Energy and Research Authority

##### **The Integration of Energy Efficiency, Renewable Energy, Demand Response and Climate Change: Challenges and Opportunities for Evaluators and Planners**

Edward Vine, Lawrence Berkeley National Laboratory

#### SESSION SUMMARY:

This session will focus on standard approaches to measurement and evaluation of energy efficiency programs to meet various new and emerging policy and program needs. Combined, the set of four papers provides a range of examples of protocols and frameworks as well as critical thinking about what key elements are needed in successful protocols and frameworks, the process of developing frameworks, and how evaluation efforts fit into these. The relationships between form and function and other insights are very relevant given the emerging need to integrate energy efficiency program evaluation with other energy cultures such as demand response, climate change, and renewable energy.

David Sumi addresses how efficiency program sponsors, including regional and state agencies, can realize emissions-associated benefits from their programs. He compares the Greenhouse Gas Protocol for Project Accounting from the World Resources Institute and the California Energy Efficiency Evaluation Protocols. He reviews current reporting requirements concerning combustion emissions for which energy efficiency program actions are eligible in a market or for regulatory compliance. Finally, he explores how can energy efficiency programs maximize the value of emissions credits?

Dan Violette proposes evaluation frameworks for various types of Demand Response programs. The recommendations are based on a review of issues encountered in the development of California Energy Efficiency Evaluation Protocols and other related work in the load estimation field.

Mike Messenger describes the protocols established for measurement of energy efficiency in Ontario in the context of the development of the overall evaluation infrastructure. The process began with a situational assessment of how current practice compared with best practice. A set of goals and a multiyear plan were established, followed by establishment of infrastructure.

Cherie Gregoire outlines development and implementation of the organizational framework in use at NYSERDA to meet its evaluation needs. NYSERDA moved from a core evaluation team organized by sector to a more functionally-organized model, in which tasks fall into one of three areas: impact, process, and market characterization.