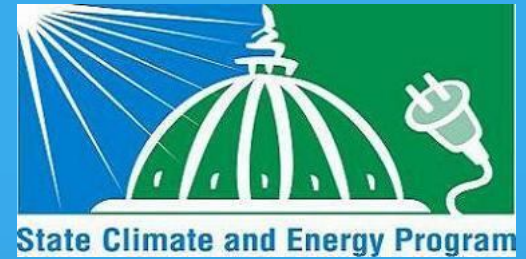


Energy Efficiency

Evaluation Measurement and Verification



# Incorporating the Efficiency Resource into State and Regional Energy Resource Plans - Challenges and Opportunities for EM&V Risk, Uncertainty and Budgeting for EM&V

## US EPA Webinar

introduction and context for our next speakers

**February 24, 2011**

Steve Schiller

[steve@schiller.com](mailto:steve@schiller.com)

# Speakers

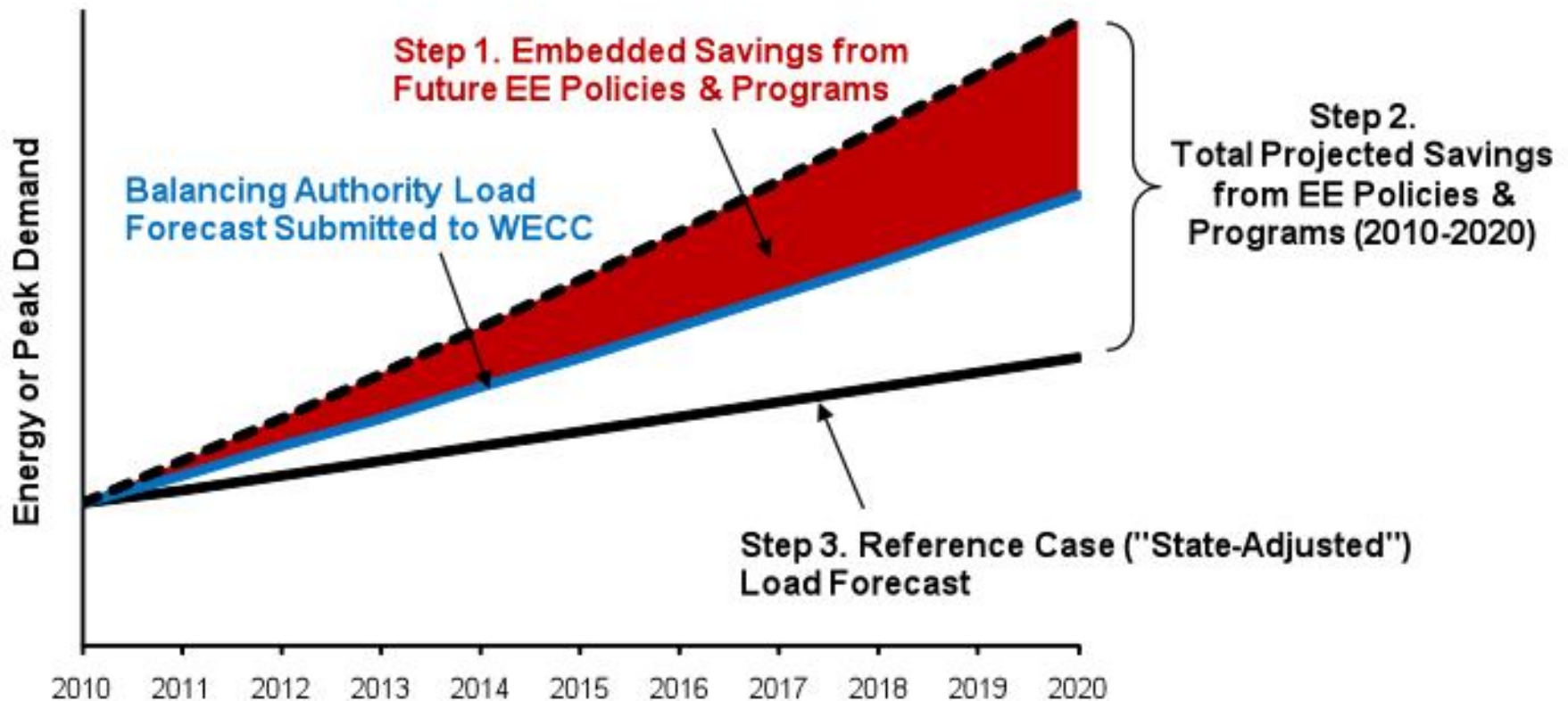
- Steve Schiller, Schiller Consulting
- Tom Eckman, Northwest Power and Conservation Council
- Arthur Maniaci, New York ISO
- Carmen Best, California PUC
- Shawn Enterline, Vermont Energy Investment Corp

# Background

- As efficiency goals increase across the U.S. the importance of properly accounting for the efficiency resource becomes increasingly important for planners and regulators. The accounting is used for determining:
  - Has efficiency achieved its goals on a statewide or regional basis?
  - How much efficiency should be in resource plans?
  - How much generation and transmission should be built?
- Determining the results of past efficiency efforts and projecting future effects, at the “macro” level is not easy. Significant analysis issues exist, such as determining:
  - Causes and effects (what is naturally occurring, what is not), and
  - What would have occurred in the absence of the efficiency activity.

# Conceptual Approach to Including Efficiency in Past and Future Resource Projections

from presentation for Western Electricity Coordinating Council by  
Galen Barbose, LBNL Energy Analysis Department



# Objectives for Webinar

- Provide background and examples of how efficiency resources are being taken into consideration in state and regional energy resource planning efforts
- Explain why this topic is important and the challenges and opportunities
- Discuss how efficiency EM&V can support portfolio planning and how the requirements for resource planning can impact the information and level of rigor with which efficiency programs and portfolios are analyzed