

## SESSION 8A

### EVALUATING THE NEW

*Moderator: Philipp Degens, Energy Trust of Oregon*

#### PAPERS:

##### **Evaluating Emerging Technologies Programs: Accelerating the Future**

Jonathan Holz, ECONorthwest, Portland, OR

Steve Grover, ECONorthwest, Portland, OR

Carol Yin, Southern California Edison, Irwindale, CA

##### **An Evaluation Framework for a Portfolio of Research, Development & Demonstration Programs**

Helen Kim, New York State Energy Research & Development Authority

Larry Pakenas, New York State Energy Research & Development Authority

Rick Ridge, Ridge & Associates

Scott Albert, GDS Associates

Gretchen Jordan, Sandia National Laboratories

##### **Leveraging For-Profit Businesses to Increase Non-Profit Energy Efficiency: Findings From Oregon's Business Energy Tax Credit Program**

John Boroski, ECONorthwest, Portland, OR

Stephen Grover, ECONorthwest, Portland, OR

Suzanne Dillard, Oregon Department of Energy, Salem, OR

#### SESSION SUMMARY:

Evaluation of programs focused on new and developing technologies often require different evaluation techniques and methods. This session presents three evaluations; two focusing on methods for evaluating programs of emerging technologies, some that are in early development phases, and one focusing on the expansion of energy efficiency tax incentives to the non-profit sector. The session will look at how emerging technologies and services can be evaluated, especially in their early stages of development where less is known of their energy benefits and cost effectiveness. Appropriate metrics for assessing products and evaluation methods will be discussed. Additionally the session will look at an approach to evaluating program innovations in the area of energy efficiency project financing for the non-profit sector.

The first paper - *Evaluating Emerging Technologies Programs: Accelerating the Future* - looks at an information-only program that seeks to accelerate the introduction of innovative energy efficient technologies. A comprehensive process evaluation focuses on the two complementary components of the evaluation; the development of the logic model and case studies. Case studies are in conjunction with the logic model to evaluate program.

The second paper - *An Evaluation Framework for a Portfolio of Research, Development & Demonstration Programs* - provides an approach to evaluate a large diverse portfolio of research, development and demonstration (RD&D) programs that are in different phases of the product development cycle. Performance criteria are identified for use in evaluating projects that go beyond looking at energy benefits. A peer review process was implemented to assess the significance of the accomplishments.

The final paper in the session – *Leveraging For-Profit Businesses to Increase Non-Profit Energy Efficiency: Findings From Oregon’s Business Energy Tax Credit Program* – looks at innovations at a unique state energy efficiency tax incentive program that allow entities with no tax liability to participate, especially those in the non-profit sector.