Evaluating Multiple Impacts of Energy Portfolios

Instructors: Rosalie Ruegg, TIA Consulting, Inc. and Yaw O. Agyeman, Lawrence Berkeley National Laboratory

Full Day 9:00am – 5:00pm

$150 (includes two breaks and lunch)

This workshop will present a systematic approach to estimating multiple impacts of portfolios of energy technologies. It will take participants through a series of steps to produce comprehensive impact evaluation, using a cost-effective approach. It will discuss the advantages and challenges of using a uniform approach to evaluation, and will demonstrate how a uniform approach enables aggregation of results across portfolios, thereby capturing a larger share of a given public energy investment. Participants will learn:

- How to define a suitable portfolio for evaluation and to assess implications for evaluation strategy.
- To use logic models and theory of innovation diffusion in the formulation of evaluation questions and metrics.
- To assess the feasibility of alternative evaluative study designs and evaluation methods, taking into account data availability and possibilities for sampling strategies.
- To measure energy and other resource impacts using multiple metrics.
- To estimate other types of impact using multiple metrics to achieve increased comprehensiveness.
- How to distinguish the share of impacts attributed to the organization versus the total impacts of a given technology.
- How impacts may be aggregated across evaluation studies to provide a bigger picture.

Intended Audience: Intermediate

Workshop Format: Lecture; case study examples; work group exercises; panel discussions

Highly interactive: attendees should come prepared to participate in the session and report out to the group--expect some interactive task at least once an hour.

About the Instructors:

Rosalie Ruegg, Director of TIA Consulting, Inc., specializes in the assessment of Science and Technology (S&T) projects, programs, and portfolios. She has more than 35 years of evaluative experience working with scientists, engineers, and company leaders engaged in high-risk research and development (R&D).

Yaw O. Agyeman, Lawrence Berkeley National Laboratory

Yaw Agyeman provides research program coordination and oversight for the Energy Efficiency and Renewable Energy (EERE) Strategic Programs Office (SPO). He develops, designs, and executes program plans, schedules and deliverables for the assessment and evaluation of EERE programs, including planning, managing and performing program evaluations as well as a wide range of complex analyses, reports and communications for diverse constituencies.