

Cost-Effectiveness Testing

Instructors: M. Sami Khawaja, Cadmus, Scott Dimetrosky, Apex Analytics and Julie Michals, E4TheFuture

Monday, August 7 | 3:30pm – 5:30pm

\$45

This workshop will review basic components of cost-effectiveness testing, including review of the range of costs and benefits (utility system and non-utility system impacts), plus introduce a cost-effectiveness framework and set of principles – as defined by the recently published National Standard Practice Manual (NSPM) for Assessing Cost-Effectiveness of EE Resources. The workshop will cover the traditional cost-effectiveness tests: Total Resource Cost (TRC) test, the Societal Cost Test (SCT), and the Utility Cost Test (UCT); Ratepayer impact measure (RIM), and participant cost test (PCT). The workshop will discuss the relevance of cost-effectiveness frameworks for distributed energy resources (DERs) beyond EE; and provide information to help distinguish between cost-effectiveness analysis and consideration of bill and rate impacts. We will also review how the NSPM can guide development of a jurisdiction's primary cost-effectiveness test. The course will also provide examples for how to calculate a jurisdiction's primary test using the new framework, and how such calculation can be similar to, or different from the traditional cost effectiveness tests.

Intended Audience: Evaluators, program staff and program managers who want to learn more about the different cost-effectiveness tests, including how they are calculated, how they are used, and how cost-effectiveness policies varies across the country.

About the Instructors:



Dr. M. Sami Khawaja, a senior vice president at Cadmus, oversees the firm's Energy Services Division (formerly Quantec, LLC), which currently has a professional staff of more than 150.

Dr. Khawaja has more than 25 years of economic consulting experience, and he specializes in forecasting, market transformation assessment, pricing, cost/benefit analysis, and statistical and quantitative analysis for utilities and government agencies. He is also nationally recognized as a leader of program design and evaluation methods.

In addition to being one of the authors of the International Performance Measurement and Verification Protocol (IPMVP), Dr. Khawaja co-authored the Program Impact Evaluation Guide for the public-private collaborative National Action Plan for Energy Efficiency (NAPEE). Earlier this year, he served as the lead author on the Impact Evaluation Guide for the Electric Power Research Institute (EPRI).

An adjunct professor of economics at Portland State University, Dr. Khawaja teaches quantitative economics and statistics. He is one of the founders of the Applied Energy Economics and Policy graduate certificate program at Portland State.



Mr. Scott Dimetrosky is the founder and president of Apex Analytics, and has led planning and evaluation studies for dozens of utility energy-efficiency, load management, and market transformation programs during his 25 year career.

Mr. Dimetrosky is a nationally recognized expert in lighting program evaluations, serving as the lead author for the Department of Energy Uniform Methods Project (UMP) Residential Lighting Evaluation Protocols, and is currently managing residential and commercial lighting evaluations in five states. Mr. Dimetrosky has delivered papers at over 20 energy efficiency conferences, and taught principles of Demand-Side Management (DSM) and DSM evaluation courses. He is on the Planning Committee for the International Energy Program Evaluation Conference (IEPEC) and a former board member of the Rocky Mountain Chapter of the Association of Energy Service Professionals (AESP). He has an M.B.A. in Marketing Research & Quantitative Methods from Cornell University and a B.A. in Sociology from the University of Michigan.