



2005 International Energy Program Evaluation Conference

REDUCING UNCERTAINTY THROUGH EVALUATION

Pre-Conference Workshops: August 16, 2005

Conference: August 17-19, 2005

The New York Marriott at the Brooklyn Bridge, Brooklyn, New York

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Energy program evaluation professionals have long appreciated the value of the biennial IEPEC conference, which is scheduled for August 16-19 in Brooklyn.

Here's why:

- All papers were selected on content merit—abstracts were selected using a blind peer-review process.
- All work is new—abstracts were not considered if the content had already been presented in a public forum.
- All papers are top quality—only 91 papers out of 227 submissions were accepted.
- Many papers address cutting-edge topics: for example, evaluation of renewable energy programs, energy efficiency portfolios, demand response programs, and greenhouse gas emissions reductions from energy efficiency programs.
- The Conference proceedings CD includes full-text peer-reviewed papers.
- You have your choice of 6 pre-conference workshops.
- We have structured this conference to provide outstanding networking opportunities:
 - A Reception, hosted by Itron, Inc. will offer informal discussions with professional evaluators from around the world.
 - A Poster Session, sponsored by Itron, Inc. will offer the opportunity to discuss research results with 23 poster presenters.
 - 30-minute breaks between sessions.
 - And new this year, on Tuesday afternoon, an informal roundtable discussion and networking forum, sponsored by New York State Energy Research and Development Authority.

IEPEC offers new, as yet unpublished high quality research and networking opportunities. Our proceedings are in constant use by evaluation professionals looking for new ideas, methods, case studies and contacts. And this year, because the Conference is being held on the East Coast for the first time, we expect a larger number of participants.

Finally, we believe that the strength of the conference is reflected in the fact that an impressive list of over 50 organizations is supporting the conference as sponsors. They invested in us because they know that this conference is the showcase event for energy evaluation professionals.

See you in Brooklyn!

Ed Vine
President of the Board of Directors, NEPEC Inc.

Featured Speakers

WEDNESDAY, AUGUST 17, 2005

OPENING KEYNOTE SPEAKER

IAN GEARING

NATIONAL GRID TRANSCO PLC

CORPORATE RESPONSIBILITY MANAGER

National Grid Transco is one of the world's largest utilities, the largest investor-owned utility in the UK and one of the ten largest electric utilities (by customers) in the US.

Ian's career with National Grid Transco has included project management, corporate strategy, business planning and environmental management. Ian co-ordinated the development of the Group's Framework for Responsible Business and is responsible for producing the corporate responsibility content of the Group's Annual Report and Accounts and website.

Ian is a founding member of the Business Leaders Initiative on Human Rights, a business-led initiative aimed at helping mainstream human rights within the business sector through its own work and by supporting the work of others.

Corporate Responsibility—Why Bother?

This session will focus on how a leading international energy delivery utility has integrated corporate social responsibility (CSR) into its day-to-day operations and will address the following topics:

- Corporations often claim to be “doing CSR” when they are actually simply engaging in philanthropy. What's the difference?
- Why the business of business is more than business—What is the business case for being a responsible business?
- Is there really a link between social, environmental and ethical performance and total shareholder return?
- Protecting the environment for future generations—how can energy delivery contribute to minimizing climate change?



THURSDAY, AUGUST 18, 2005

LUNCHEON SPEAKER

EDWARD J. TIRELLO, JR.

MANAGING DIRECTOR AND SENIOR POWER STRATEGIST

BERENSON & COMPANY

Mr. Tirello leads Berenson & Company's Power and Utilities Group. He joined Berenson & Company from the Utility Investment Banking Group at Deutsche Bank. Ed has spent 31 years of his career as a utility industry research analyst, moving over to the investment banking side as a strategist for the past four years.

Beginning with his 1987 prediction that the industry would consolidate from 150 companies down to 50 in five years (giving rise to the famous "50 in 5" slogan), Ed has been frequently quoted in the financial and trade media on macro industry events and trends. He foresaw the convergence of natural gas and electric distribution companies in the mid-1990s. His latest prediction is that two new sectors for growth in the industry will be distribution (with ancillary services leading the way) and transmission (with the formation of a \$100 billion plus high voltage transmission industry).

Prior to Deutsche Bank, Ed worked at two of its U.S. acquisitions, BT Alex Brown and NatWest Securities. Prior to that, he worked for Smith Barney and Lehman Brothers. He has a B.S. in Economics from St. Peter's College, an MBA in Finance and Marketing from Fairleigh Dickinson University and has completed course work towards a PhD at Penn State.

Networking

Tuesday, August 16, 2005

4:30 p.m. - 6:30 p.m.

Sponsored by: New York State Energy Research and Development Authority (NYSERDA)

Start off your IEPEC experience with "THE Event!" Come join us late Tuesday afternoon for some lively roundtables of discussion, drinks and prizes, music and munchies. Make your travel plans so you'll arrive in time to participate in this new networking opportunity for participants at the 2005 International Energy Program Evaluation Conference. Starting at 4:30 p.m. on Tuesday, August 16—right after the workshops let out—you and your energy evaluation colleagues can meet and greet in small group settings, share backgrounds, exchange ideas and discuss common challenges. With NYSERDA as our host, the roundtable discussions will be facilitated by IEPEC Planning Committee members.

Don't miss this fun opportunity to get together informally with fellow evaluators! Plan on arriving early enough to participate in ALL the prize drawings! No reservations required—just show up, bring your brain, and have a good time!



Evening Reception and Poster Session

Wednesday, August 17, 2005

5:30 pm - 7:00 pm

Sponsored by: Itron, Inc.

Join our reception host, Itron, Inc., and enjoy light refreshments and stimulating one-on-one discussions with the authors of 23 research posters.

Special Event

Thursday, August 18, 2005

5:45 pm - 8:00 pm (leave the hotel at 5:15 pm)

Join us for a 2-hour cruise around Manhattan. This trip includes a yacht cruise, light hors d'oeuvres, and 2 beverage tickets. The cost of this event for adults (anyone over 16) is \$50. Guests are encouraged to attend. The cost for children is \$15 for each child (5-16 years old). Children under 5 are free. Be sure to make your reservations when you register for the conference!



Six Preconference Workshops:

Workshop #1: Statistical Sample Design and Analysis for Evaluation—For Evaluation Practitioners with a Solid Background in Statistics

Instructors:

Roger Wright, *RLW Analytics*
Curt Puckett, *RLW Analytics*
Tim Hennessey, *RLW Analytics*

Time: 9:00 AM - 4:30 PM

Intended Audience:

The workshop will be at the intermediate level targeted to evaluation professionals and regulators with some familiarity with basic statistical methods and evaluation practice.

This workshop will focus on statistical sampling and analysis for program evaluation. The focus is on studies in which survey research or engineering field measurement techniques are used to collect information for a sample drawn from a larger finite population. These techniques are relevant to virtually all aspects of evaluation including impact, net to gross, persistence and retention, and process.

The workshop will address the statistical techniques needed to (a) design and implement such a study, (b) interpret the results of one or more such studies, and (c) allocate resources among several such studies. Workshop participants will reinforce their understanding of the concepts with hands-on Excel exercises based on the Appendix to Chapter 13 of the California Evaluation Framework report.

Workshop #2: Monitoring, Evaluation, Reporting, Verification, and Certification of Greenhouse Gas Emissions: Energy-Efficiency Projects

Instructor:

Edward Vine
Lawrence Berkeley National Laboratory

Time: 9:00 AM - 4:30 PM

Intended Audience:

This workshop is targeted towards evaluators who are interested in learning more about the evaluation of energy projects designed to reduce greenhouse gas emissions. In terms of evaluation experience, beginning evaluators are welcome. Advanced evaluators may find the course interesting for the discussions of non-energy related issues regarding verification and certification, as well as for learning about the international efforts in implementing the Kyoto Protocol, and the most recent decisions made by the Clean Development Mechanism's Executive Board.

The focus of this workshop is on the evaluation of energy-efficiency projects that seek to reduce greenhouse gas (GHG) emissions. The objective of this workshop is to inform participants about the key issues regarding monitoring, evaluation, reporting, verification and certification (MERC) that need to be addressed if one is involved in the design, development, implementation, evaluation, or verification of an energy-efficiency project for climate change mitigation. In this course, we first present an overview of the international climate change discussions related to Joint Implementation (JI) and the Clean Development Mechanism (CDM). We then describe the MERC process and the conceptual framework underlying the measurement and evaluation activities. After examining key evaluation issues such as the establishment of realistic and credible baselines, free riders, positive project spillover, and market transformation, we analyze the different methods for evaluating projects, with special emphasis on the International Performance Measurement and Verification Protocol (IPMVP). We then briefly review the need for quality assurance and for accounting for environmental and socioeconomic impacts, followed by a review of reporting, verification and certification.

This is the third time this workshop has been presented at this Conference. New for this year: (1) impact of Kyoto Protocol entering into force on JI, CDM, and emissions trading; (2) emissions trading and MERC; (3) status of CDM-approved baseline and monitoring methodologies for energy efficiency projects; and (4) the CDM tool for the demonstration and assessment of additionality.

Workshop #3: Logic Modeling for Designing Evaluations and Performance Measurement

Instructor:

Gretchen Jordan
Sandia National Laboratory

Time: 9:00 AM - 4:30 PM

Intended Audience:

Both evaluators and program managers can benefit from this workshop. The workshop will assume no previous experience, but the examples and approach may also be of interest to those who already have experience using this technique.

Program planners, managers and implementers, evaluators, regulatory organizations, and policy-makers all can benefit from having a concise, clear theory or "story" of how a program will work under certain conditions to solve an identified problem—such as the need to transform a market. Even better, when stakeholders of a program come together and agree on a single program theory, they are likely to agree on measures of program success that are made explicit by that theory.

This skill building workshop will provide several examples of logic models, including "generic" models that can serve as templates. There will be a hands-on exercise in developing a logic model based upon the case of a public program that seeks to increase the use of efficient and clean energy through research and technology development and deployment. A second hands-on exercise will use the logic model to identify formative and summative evaluation issues and key performance measures that meet the needs of internal and external stakeholders.

Workshop #4: Best Practices for Planning, Monitoring, and Evaluating Advertising Efforts

Instructor:

Lori Megdal
Megdal & Associates

Time: 9:00 AM - 4:30 PM

Intended Audience:

Program evaluators interested in evaluating advertising efforts/programs, and program managers of advertising efforts can find benefits from attending and participating in this workshop.

Evaluation of advertising has historically been generally minor and not specifically designed for evaluating its market outcomes. Yet, the importance of advertising efforts, particularly in market transformation programs, is growing. Thus, it is timely to provide more background to efficiency evaluators on prior research from other fields in planning, monitoring, and evaluating advertising.

This workshop will teach evaluators new to advertising the basic definitions and information to properly use advertising monitoring data. It will also teach the differences between standard advertising and social marketing and what that means for advertising planning and evaluation. Then it will also link the social marketing planning with standard advertising measurement and effects evaluation. It will include: program logic models for advertising campaigns, theory-of-change mapping, media plans and post-buy analysis and what they mean for evaluation, process evaluation for advertising efforts, and evaluation feedback for re-design. The foundation for the workshop is the chapter from the National Best Practices Survey written on Best Practices for Advertising Programs.

Workshop #5: Evaluation Management 101

Instructors:

Sharyn Barata, *Opinion Dynamics Corporation*
Shel Feldman, *Shel Feldman Management Consulting*
Nick Hall, *TecMarket Works*
Bobbi Tannenbaum, *KEMA*
Carol White, *National Grid USA*

Time: 8:30 AM - 4:15 PM

Intended Audience:

This workshop is designed for professionals who are responsible for developing, overseeing, or managing an evaluation contract, and will include tips on setting objectives, communicating with stakeholders, and identifying resource needs.

The workshop will be taught by a team of experienced evaluation professionals including a utility evaluation manager and evaluation consultants with over 80 years of evaluation experience who have implemented, managed, or directed over \$80 million worth of evaluation activities.

Workshop attendees will come away with the ability to:

- Frame an evaluation study based upon the intended audience(s) and the study objectives.
- Select appropriately from among the various types of evaluation studies that might be conducted.
- Develop planning and operational communications procedures that will increase the likelihood of producing useful results.
- Identify and prioritize the resources needed, both human and financial, to get the job done.
- Create an effective budget for carrying out day-to-day management of the evaluation study.
- Specify the key considerations to include when developing a Request for Proposals (RFP) and then evaluating responses to the RFP.
- Integrate evaluation planning and results effectively with implementation efforts.

Workshop #6: Necessary Statistics and Models—For Evaluation of Demand-Side Programs, Products, and Services—An Introductory Course

Instructor:

Dan Violette
Summit Blue Consulting

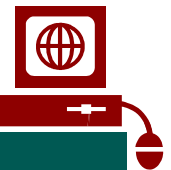
Time: 9:00 AM - 4:30 PM

Intended Audience:

Professionals who want to be introduced to the quantitative concepts and approaches as applied in the industry.

This workshop will be useful for those needing to become familiar with statistical/quantitative evaluation methods, and for those who want a review/update on methods. This workshop is focused on the practical elements of statistics and modeling frameworks used in evaluation. Advances in data collection and evaluation will be addressed covering net impacts, free riders and spillover. The use of data to support programmatic decisions will also be discussed. Workshop sessions include:

- Setting Objectives—Defining the Evaluation Problem
- Practical Statistics—Sampling Theory and Confidence/Precision
- Sample Design—Sample Sizes and Design Precision
- Experimental Design—Statistical Approaches and Leveraging Data
- Multivariate Regression and Model-Based Approaches—Structures and Issues
- Estimating Program Realization Rates and Statistically Adjusted Engineering Models (SAE)
- Use of Discrete-Choice, Participation, and Diffusion Models
- Concluding Session—Meeting Evaluation Objectives and Reporting Results



DAY ONE: Wednesday, August 17

8:30 - 9:30

Welcoming Address from IEPEC Chair and New York State Official
Keynote Speaker: Corporate Responsibility—Why Bother?, Ian Gearing, *National Grid Transco plc*

see page 2

9:30 - 10:00 BREAK

10:00 - 12:00

The Case for Portfolio Evaluations—Methodologies, Challenges, and Benefits

Join us as we explore portfolio energy evaluations. This session will focus on the benefits and challenges inherent in these types of studies. Papers from NYSEDA and California's statewide efforts will highlight cost-effective approaches and methodologies used in these portfolio evaluation efforts.

Moderator: Sharyn Barata
Opinion Dynamics Corporation

Overview of the Evaluations of California's 2002-2003 Energy Efficiency Programs, *Nick Hall, TecMarket Works*

Designing Energy Efficiency Program Portfolios to Cost-Effectively Meet Conflicting Policy Objectives, *John Cavalli, Quantum Consulting, Inc.*

Benefit/Cost Analysis of a Portfolio of Energy Efficiency and Load Curtailment Programs, *Helen Kim, New York State Energy Research and Development Authority*

An Integrated Portfolio Approach to Evaluating Energy Programs: New York's Experience, *Paul DeCotis, New York State Energy Research and Development Authority*

May I Help You? The Supply Side of the Appliance Market

Market transformation programs affect the behavior of manufacturers and retailers. These papers show how programs can change the product mix offered by competing manufacturers, as well as what retailers stock and how they price their models.

Moderator: Shel Feldman, Shel Feldman Management Consulting

On the Importance of the Supply Side in Demand-Side Management, *Carolyn Fischer, Resources for the Future*

Taking Some of the Uncertainty Out of Retailer Self-Report ENERGY STAR Market Share, *Harley Barnes, Aspen Systems Corporation*

Paying Attention to the Sales Floor: Why What's on the Ground Matters for Appliance Program Evaluation, *Seth Snell, Applied Proactive Technologies, Inc.*

Are Retailers Gaming the System? Availability and Pricing of ENERGY STAR Room Air Conditioners *Thomas Mauldin, Nexus Market Research*

Commercial Buildings

This session will feature presentations on the role of architects in new construction energy efficiency decisions, integration of building measurement and verification with retrocommissioning, forecasting building electricity intensity, and using energy code compliance records for setting lighting base-lines.

Moderator: Larry Pakenas, New York State Energy Research and Development Authority

Evaluating Retro Commissioning Programs, *Kristin Heinemier, Portland Energy Conservation Inc.*

Application of Commercial Sector Energy Code Compliance Documents for Assessing Baseline Practice, *Gary Epstein, Energy & Resource Solutions, Inc.*

How Architects Do and Do Not Drive New Construction Decisions, *Jane Peters, Research Into Action, Inc.*

Evaluating Commercial Building Electricity Intensity: Leveraging National and Local Surveys, *Marvin Horowitz, Demand Research*

Evaluation of Demand Response (DR) Programs From Baseline Determination and T&D Deferrals, to Technology-Based Programs

This session explores both large customer and mass market DR programs. New ground is covered on the accuracy of baseline calculations for C&I customers, the potential role of demand response in T&D deferrals, and mass-market programs using advanced technologies.

Moderator: Dan Violette, Summit Blue Consulting

Demanding Baselines: Analysis of Alternative Load Estimation Methods for Two Large C&I Demand Response Programs, *Amy Buege, Quantum Consulting, Inc.*

Bonneville Power Administration Transmission Business Line—Olympic Peninsula Demand Reduction Pilot Project, *Ulrike Mengelberg, Itron*

Comprehensive Home Energy Management Systems for Demand Response: Are They Worth the Cost?, *Katherine Wang, Rocky Mountain Institute*

Lessons Learned and Evaluation of 2-way Central A/C Thermostat Control System, *Joseph Lopes, Applied Energy Group, Inc.*

12:00 - 1:30 LUNCH: Lifetime Achievement Awards



1:30 - 3:00

There Is No Time Like the Right Time: Evaluating Real Time Electricity Pricing

This session focuses on real time pricing (RTP) initiatives in Georgia, California and New York City. Two papers highlight analytical approaches to assessing RTP impacts. The third paper offers results from a multifamily building RTP demonstration.

Moderator: Bill Saxonis, New York State Department of Public Service

Evaluating Changes in RTP Price Response Over Time—The Effect of Market and Environmental Conditions, *Steven Braithwait, Christensen Associates*

California's Experiment with Dynamic Pricing for Mass Market Customers, *Ahmad Faruqi, Charles River Associates*

The Evaluation of Time Sensitive Electricity Pricing in New York City, *Lewis Kwit, Energy Investment Systems, Inc.*

Hot Topics—Cool Ideas

Energy efficiency programs have economic and environmental benefits. Are these programs achieving their desired effect?

Moderator: Steve Bonanno, NSTAR

Evaluation of Program Standards and Enforcements in Three Duct Sealing Programs, *John Proctor, Proctor Engineering Group, Ltd.*

Can Programmable Thermostats Be Part of a Cost-Effective Residential Program Portfolio?, *Chris Dyson, KEMA, Inc.*

Furnace Rebates and Energy Efficiency, *Ken Tiedemann, BC Hydro*

Getting to the Right Answers: Asking the Right Questions

The three papers in this session are thought pieces at three different levels. They provide approaches to getting the right answers in some difficult evaluation situations: avoiding being taken in by rigged evaluation methods; truing initial estimates towards reasonable program energy savings estimates annually as better information becomes available; and assessing energy savings at the level where they ultimately matter most—the total societal level.

Moderator: Marian Brown, Southern California Edison Company

Are Implementers and Evaluators Missing the Forest for the Trees?, *John Reed, Innovologie, LLC*

Evaluator as Fool: Six Ways to Trick Evaluators into Confirming Phantom Energy Savings as Real, *Hugh Peach, H. Gil Peach & Associates, LLC*

But is it True? Anticipating Evaluation Results for Planning, *Ben Bronfman, Energy Trust of Oregon, Inc.*

Panel: Doing More With Less—Leveraging Energy Efficiency Information Across Institutional Borders

In the context of competition for scarce resources and the desire to maximize resources targeted toward implementation, this panel will focus on ways that energy efficiency evaluation and research can cost effectively meet its goals by transcending organizational boundaries. Panel members will examine existing evaluation resources

Moderator: Lynn Hoefgen, Nexus Market Research, Inc.

Panelists:
Richard Karney, U.S. DOE
Kenneth James, Pacific Gas & Electric Company
Kevin Galligan, Cape Light Compact

3:00 - 3:30 BREAK

3:30 - 5:00

A Review of the Range of Responses to Critical Peak Pricing From Residential to Large Customers

This session highlights evaluations of how different types of customers (residential, small commercial, and large commercial) responded to three different types of motivations to participate in demand response programs or dynamic tariffs: financial incentives, "energy orbs," and enhanced information displays of customer energy usage.

Moderator: Mike Messenger, California Energy Commission

Multiple Programs, Multiple Utilities, Multiple Agencies: Challenges and Results from a Real-Time, Statewide Evaluation of Large C&I Demand Response Programs, *David Hungerford, California Energy Commission*

The Behavioral Effects of Enhanced Energy Information: An Evaluation of the California Statewide Information Display Pilot, *Jennifer Mitchell-Jackson, Opinion Dynamics Corporation*

An Impact Evaluation of California's Information Display Pilot (Energy Orb), *Craig Williamson, Primen*

Doing Good, But How Much? Three Impact Evaluations of Low-Income Programs

This session contains three papers that present energy savings results from low-income energy efficiency programs, and discuss methodological issues from the evaluations. A variety of programs are included, covering both natural gas and electricity efficiency.

Moderator: Marty Kushler, American Council for an Energy Efficient Economy

Assessing and Comparing the Energy Impacts of Three Weatherization Programs in Ohio and Kentucky, *Johna Roth, TecMarket Works*

Facing Uncertainty from Within and Without: An Impact Evaluation of the California Low Income Energy Efficiency Program, *Kathryn Parlin, West Hill Energy and Computing, Inc.*

Low-Income Electric Usage Reduction: The Ohio Universal Service Fund Experience, *Michael Blasnik, M. Blasnik & Associates*

Come On-a My House: The Value of On-Site Data Collection

On-site data collection has always been an available, if expensive, option for evaluators. However, with increasing focus on reliability, ratio estimation and accurate freeridership measurement, on-site data collection is becoming a more valuable option. This panel presents three approaches and experiences in on-site gathering under different conditions. Discussion will focus on trade-offs and reliability.

Moderator: Ben Bronfman, Energy Trust of Oregon, Inc.

Perspectives from the Trenches: Insights From Expert Field Engineers on Customer Practice and Behavior, *Mark D'Antonio, Energy & Resource Solutions, Inc.*

A Model for On-Site Inspection Protocols That Quantify Program Comprehensiveness and Service Delivery Performance, *David Carroll, APPRISE*

California Commercial On-Site Survey: What Did We Learn?, *Thomas Mayer, Itron, Inc.*

Panel: Best Practices and Benchmarking: Taking the Next Steps

This panel will discuss how studies of best practices in energy efficiency programs are being used by different organizations, the strengths and weaknesses of program benchmarking in general, and how such efforts can be expanded and improved in the future.

Moderator: Kenneth James, Pacific Gas & Electric Company

Panelists:
Annette Bietel, Pacific Gas & Electric Company
Marc Hoffman, Consortium for Energy Efficiency
Michael Rufo, Quantum Consulting, Inc.

5:30 - 7:00 Evening Reception and Poster Session: Sponsored by Itron, Inc.



Join our reception host, Itron, Inc., and enjoy light refreshments and stimulating one-on-one discussions with the authors of 23 research posters. A complete listing of the posters can be found on page 11 of this brochure.

Student Posters Wanted

IEPEC is soliciting poster ideas from students and offering financial assistance to selected poster authors to attend the conference. Posters should describe research on an appropriate topic and have visual potential. The content should address the study's importance, methodology, results, and conclusions. To submit a poster idea and apply for financial assistance, log onto www.iepec.org and follow the instructions under "Student Posters." A one-page abstract of your poster idea is due by June 1, 2005. Posters will be reviewed by the IEPEC Planning Committee, and financial assistance will be available for selected graduate and undergraduate students whose posters are accepted for presentation at this summer's conference.

For more information, please contact:
Edward Vine, California Institute for Energy and Environment, phone: 510-486-6047, Edward.vine@ucop.edu.



8:30 - 10:00

Here Comes the Sun—Understanding and Evaluating Renewable Energy Impacts and Market Effects

This session will present renewable energy market research results covering customer wants, needs and barriers, research on programs that have helped move (or transform) renewable energy markets, and evaluation planning using logic models and showing how logic models help improve programs.

Moderator: Nick Hall, TecMarket Works

Checking the Temperature: Gauging the Market Transformation of Residential and Commercial PV and Solar Thermal Applications in Oregon, *Ben Bronfman, Energy Trust of Oregon, Inc.*

A Theory-based Evaluation of LIPA's Solar Pioneer Program Measuring Early Progress in the Transformation of the PV Market on Long Island, *Ann Clarke, Long Island Power Authority*

Using Program Logic Models to Guide Evaluation of Public Benefit Charge-Funded Clean Energy Programs—Methodologies and Results from a Recent Massachusetts Technology Collaborative Evaluation, *Scott Albert, GDS Associates*

Persistence, the Issue That Never Goes Away

This session examines programs and best practices to find evidence of appropriate levels of energy conservation with respect to building commissioning. It also explains what happens when a utility, architects, and an energy simulator collaborate on the evaluation of persistence.

Moderator: Marygrace Cerce, KeySpan Energy Delivery

Existing Building Commissioning: Designing for Persistence of Savings, *Michael Bobker, Association for Energy Affordability*

Performance Persistence: What Happens to Predicted Energy Savings from Design Assistance Programs After Several Years of Building Operation?, *David Eijadi, The Weidt Group*

Retention Studies: Review of Best Practices and Comparisons of Lifetime Results, *Lisa Skumatz, SERA, Inc./David Bell, SERA, Inc.*

Industrial Market Evaluations

Often it's easier to design programs for residential or commercial customers, but there are lots of potential energy savings in the industrial sector. Here are three forays into that difficult but rich territory.

Moderator: Oscar Bloch, Wisconsin Department of Administration

Survey Results for the Practical Energy Management Approach, *Craig Schepp, Science Applications International Corporation*

Conserving Energy Through Irrigation Water Management, *Hossein Haeri, Quantec, LLC*

China Motors Program Process Evaluation, *Jane Peters, Research Into Action, Inc.*

Panel: Tactics and Tone—The Latest and Greatest on Consumer Attitudes Toward Energy Efficiency and the Environment

What is the latest buzz on consumer attitudes toward energy efficiency and the environment? How do they get their information when buying products and services? How motivated are they to act on their beliefs? Panelists will discuss trends and most recent findings from their research into consumer attitudes toward energy efficiency and the environment and related products, services, messages, and targeting strategies.

Moderator: Jocelyn Spielman, The Cadmus Group

Panelists:
Gwynne Rogers, Natural Marketing Institute
Monica Nevius, Consortium for Energy Efficiency
Kate Offringa, Alliance to Save Energy
Carla Jackson, Schulman, Ronca, and Bucuvalas, Inc.

10:00 - 10:30 BREAK

10:30 - noon

Defining and Evaluating the Climate Protection Role of Sustainable Energy Programs

Sustainable energy programs, including energy efficiency and renewable energy, have the potential to play a prominent role in climate protection plans. Defining the role of sustainable energy in climate change mitigation, designing programs, and measuring the effects of these programs are addressed in these three papers.

Moderator: Carol White, National Grid USA

How to Balance Greenhouse Gas Mitigation Strategies Across Programs with Near-term Versus Longer-term Impacts for Public Benefits Programs, *David Sumi, PA Government Services Inc.*

Evaluating the Emission Reductions from Efficiency and Renewable Energy Projects and Programs, *Steven Schiller, Schiller Consulting*

Energy Efficiency's Role in the Regional Greenhouse Gas Initiative, *Bill Prindle, ACEEE*

Tools & Methods for Capturing the Wily Program Impact

Three novel impact assessment approaches are presented. One examines savings from a refrigerator turn-in; one uses PG&E's Power Savings Partners data to assess savings and persistence; and one measures training-induced behavioral change through on-line surveys.

Moderator: M. Sami Khawaja, Quantec, LLC

Trying Too Hard to Be Cool: The Effect of Age on Refrigerator Energy Levels, *Ken Agnew, KEMA, Inc.*

Measuring Training Impacts...in Cyberspace: Online Surveys as a Cost Effective Evaluation Tool. *Ingo Bensch, Energy Center of Wisconsin*

A Decade of Achievements: Results of a Performance Contract Program Implementation, *Betsy Krieg, Pacific Gas & Electric Company*

Low Income Programs—Multi-Year Programs and Evaluations

Rarely do evaluators have the opportunity to evaluate a program over time and see the integration of their recommendations into later program years. These three papers discuss multi-year evaluations of low-income programs—the methods, findings, and subsequent program changes.

Moderator: Bobbi Tannenbaum, KEMA

Is Maryland's Electric Universal Service Program Getting the Job Done?, *Lark Lee, PA Government Services Inc.*

Learning from Successive Evaluations of a Low-Income Program, *Lori Megdal, Megdal & Associates*

Measuring Movement: A Longitudinal Approach to Evaluating Wisconsin's Low-Income Programs—Final Results, *Laura Schauer, PA Government Services Inc.*

Panel: Do We Have a Failure to Communicate? A Regulatory Perspective

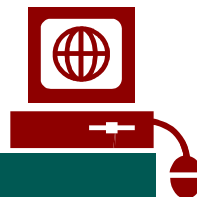
The panel brings together representatives from five state regulatory agencies to explore how evaluators and regulators can be more responsive to each others' needs and expectations. Emphasis will be placed on real world experiences and real world solutions. We expect a lively discussion with robust participation from the evaluation community.

Moderator: Bill Saxonis, New York State Department of Public Service

Panelists:
Denis Bergeron, Maine Public Utilities Commission
Mona Lee Mosser, New Jersey Board of Public Utilities
Mike Messenger, California Energy Commission
Carole Welch, Vermont Department of Public Service

Noon - 1:30 LUNCH Luncheon Speaker: Ed Tirello, Berenson & Company

see page 2



1:30 - 3:00 Up In Smoke? No—Linking Energy Efficiency Impacts to Greenhouse Gas Emissions

This session looks at how energy efficiency programs can lead to emission reductions, focusing on emission factors and the methodologies that can be used to quantify the displacement of emissions. The session will also include an analysis of the potential value of energy efficiency improvements in the U.S. building sector to offset the combined effects of the growth in energy consumption due to climate and the growth in building stock.

Moderator: Edward Vine, Lawrence Berkeley National Laboratory

Securing the Link Between Energy Savings and GHG Reductions, *Michael McCormick, California Climate Action Registry*

Measuring Emission Reduction Benefits with Integrated Resource Models
Incorporating End-Use Load shapes for Energy Efficiency Program Evaluation and Power Plant Emissions Analysis, *Jeff Erickson, PA Government Services Inc. and Paul Meier, Meier Engineering Research*

The Adaptive Value of Energy Efficiency Programs in a Warmer World, *Michael Scott, Pacific Northwest National Laboratory*

Brother, Can You Spare a Paradigm?

This session centers around ways to model, frame, and analyze programs that allow the evaluator to capture elusive information on program impacts, short-term impacts, or market interventions in order to achieve the last bit of energy savings from a target market.

Moderator: Faith Lambert, U.S. Department of Energy

Assessing Markets To Design Programs That More Fully Attack Key Market Barriers and Take Advantage of Market Opportunities—Why Do We Continue to Miss So Many Opportunities, *Nick Hall, TecMarket Works*

Are Federal Energy Technology Programs Assessing the "Magic in the Middle"?, *Jeff Dowd, U.S. Department of Energy*

Am I Wearing the Wrong Paradigm for My Program's Goals?, *Lori Megdal, Megdal & Associates*

Cumulative Program Effects

This session presents three papers that marshal evidence from diverse sources over the course of several years in order to examine the cumulative effects of market transformation initiatives.

Moderator: Ralph Prael, Prael & Associates

Front-loading Marketing: Assessing Cumulative Effects of ENERGY STAR Appliance Promotions on State-by-State Penetration Levels, *Lisa Wilson-Wright, Nexus Market Research, Inc.*

Market Transformation: Half a Decade of Results from a Supply-Side Intervention, *Harley Barnes, Aspen Systems Corporation*

LIPA's Commercial Construction Program: Demonstrating Initiative Influence Along the Road to Transformation, *Thomas Ledyard, RLW Analytics, Inc.*

Panel: Challenges in Evaluating International Programs: Lessons From the Efficient Lighting Initiative (ELI) Experience

Using a series of questions, panelists will compare and contrast their experiences in evaluating the ELI program in their respective countries/regions. You will hear about evaluation challenges including differing baseline approaches, in-country evaluation resources, external influences on the program, varying support from implementation teams, and how to (and how not to) implement a multi-country trade ally survey to determine market transformation.

Moderator: Joe Lopes, Applied Energy Group

Panelists:
Martin Adelaar, Marbek Consulting
Barbara Atkinson, Lightstream Energy
Iris Sulyma, Habart & Associates
Ken Tiedemann, Habart & Associates

3:00 - 3:30 BREAK

3:30 - 5:00 Energy Audits, Retrofits, and More: Evaluations of Multifaceted Energy Efficiency Programs

The authors will discuss evaluation methods and present results of three multifaceted programs: the Davis Energy Efficiency Program (DEEP), Canada's EnerGuide for Houses Program (EGH), and a suite of seven local government partnership programs being managed by Pacific Gas and Electric.

Moderator: Karen Horkitz, Northwest Energy Efficiency Alliance

Local Government Partnerships: Working Together for Efficiency, *Stephen Grover, ECONorthwest*

A Regional Approach to Energy Efficiency—An Evaluation of the Davis Energy Efficiency Program, *Cynthia Austin, Heschong Mahone Group, Inc.*

Home Energy Audits, Energy Efficiency and Carbon Dioxide Emissions, *Ken Tiedemann, BC Hydro*

In Pursuit of the Wily Program Impact

The session will showcase three different approaches to getting at program savings: improved telephone surveys to get at audit program impacts; discrete choice modeling to get at net savings; and engineering site visits to a sample of very large C/I projects. These are examples of evaluations that are designed to match the programs.

Moderator: Ken Keating, Bonneville Power Administration

Evaluating the Impacts of an Energy Study Program—A Case Study, *Dakers Gowans, Nexant, Inc.*

What a Realization: An Ex Post Impact Evaluation of a Performance-Based Program, *Michael Rufo, Quantum Consulting, Inc.*

Estimating the Impacts of NRCAN's Energy Efficiency Programs Using Discrete Choice Methods: Results from Recent Studies, *Mallika Nanduri, Natural Resources Canada*

The Lights Are On: Do You Know Where Your CFLs Are?

Data on CFL performance, particularly how long the lamps last and how many hours a day they are used, are scarce. The first paper reports on testing of CFL lamp reliability, while the latter two provide information on lamp hours-of-use from data logging research.

Moderator: Robert Wirtshafter, Wirtshafter Associates, Inc.

Pearls of Wisdom: Assuring Efficient Lighting Product Quality and Program Integrity, *Elizabeth Titus, NEEP*

An Evaluation of Residential CFL Hours-of-Use Methodologies and Estimates: Recommendations for Evaluators and Program Managers, *Edward Vine, Lawrence Berkeley National Laboratory*

Illuminating Current CFL Usage Patterns: Results from a CFL Metering Study, *Tami Rasmussen, KEMA, Inc.*

Panel: Hot Topics

Moderators: Pierre Landry, Southern California Edison Company and Carol White, National Grid USA

This panel tackles the summer's hottest evaluation topic. To ensure "freshness", the subject of the panel and the panelists will be announced shortly before the conference.



On Thursday evening, August 18, join us for a 2-hour cruise around Manhattan. This trip includes a yacht cruise, light hors d'oeuvres, and 2 beverage tickets. The cost of this event for adults (anyone over 16) is \$50. Guests are encouraged to attend. The cost for children is \$15 for each child (5-16 years old). Children under 5 are free. Be sure to make your reservations when you register for the conference!

7:00 - 8:15 Special Event: Breakfast On Us—Join us for a full sit-down breakfast.

8:30 - 10:00

Socket to Me

Three papers examine the success of programs promoting CFLs. A Massachusetts study measured household saturation; a Northwest study assessed consumer awareness, satisfaction and factors influencing residential purchases; and a Wisconsin study explored commercial sector program opportunities.

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

The Untapped Resource: CFLs in the Commercial Sector, *Jim Mapp, Wisconsin Department of Energy*

Measuring the Success of CFL Energy Efficiency Programs: It's the Saturation, Stupid, *Brad Kates, Opinion Dynamics Corporation*

Drivers of CFL Purchase Behavior and Satisfaction: What Makes Consumers Buy and Keep Buying?, *Tami Rasmussen, KEMA, Inc.*

State-administered Delivery Mechanisms

This session will explore mechanisms by which states maximize efficiency achievements through appropriate administrative structures and programs, including governance mechanisms for portfolio design, mechanisms for awarding performance, and administration and use of federal efficiency funds.

Moderator: Monica Nevius, Consortium for Energy Efficiency

Comparing Award Mechanisms—What Works, *Carl Lian, SERA, Inc.*

Implementing Appropriate Frameworks for Publicly-Funded Energy Efficiency Portfolios & Programs, *Rafael Friedmann, Pacific Gas & Electric Company*

Key Findings from an Outcome Evaluation of the U.S. Department of Energy's State Energy Program, *Martin Schweitzer, Oak Ridge National Laboratory*

Panel: The Many Faces of Process Evaluation

This panel of four experienced evaluators will review how to structure an approach that can move process evaluation from being feared as a possible program-slashing tool to being viewed as a tool to help improve programs.

Moderator: Jane Peters, Research Into Action, Inc.

Panelists:
Luisa Freeman, Freeman & Associates
Patricia Gonzales, New York State Energy Research & Development Authority
Linda Dethman, Dethman & Associates
Sharon Baggett, Quantec, LLC

10:00 - 10:30 BREAK

10:30 - noon

Results From the Field: 21st Century C/I Retrofit Programs

Recent C/I retrofit program evaluation results and approaches: realization rates, free ridership, data challenges, assessing the value of audit programs working in concert with incentives, and program design recommendations.

Moderator: Rob Bordner, Energy Market Innovations, Inc.

Efficient Building Equipment in Oregon: What They Got and How They Got It, *Marjorie McRae, Research Into Action*

NSTAR Business Solutions Program Evaluation: Noteworthy Approaches and Findings From a C&I Retrofit Program, *Yogesh Patil, Energy & Resource Solutions, Inc.*

Justifying the Audit Program Expense: A Study of California's Nonresidential Retrofit Programs, *Kris Bradley, Quantum Consulting, Inc.*

Creating Lasting Change in the Residential Market

What measures persist after an energy crisis? Do consumers understand and use energy labels? How do efficiency standards fit into a utilities efficiency portfolio mix? These are some of the questions that will be explored along with what happened and why, and who gets to take credit.

Moderator: Valerie Richardson, Pacific Gas & Electric Company

Market Research on Energy Conservation Measures and Practices in Households in Brazil, *Howard Geller, SWEEP*

Highly Cost-Effective Savings—Appliance Efficiency Standards and Utility Programs, *Douglas Mahone, Heschong Mahone Group, Inc.*

Leveraging National ENERGY STAR® Survey Data for State-Level Evaluation: A Focus on Massachusetts, New Hampshire, and New York, *Lynn Hoefgen, Nexus Market Research, Inc.*

The Hard to Reach and the Overreached

This session will explore how to avoid overreaching when attempting to reach the hard to reach and how to determine when and if you have reached the hard to reach. Alternatives will be discussed for extending your reach through Piggy Backing and the use of a Portfolio of Programs (PB vs PP).

Moderator: Jim Mapp, Wisconsin Division of Energy

Hard to Reach? Hard to Tell—Lessons Learned from California, *Stephen Grover, ECONorthwest*

A Comparison of Two Programmatic Approaches to Increasing Efficiency in Multifamily Dwellings, *John Reed, Innovologie, LLC*

Who Are the Real Non-Participants in California? A Two Year Examination of California's Residential Energy Efficiency Portfolio, *Robert Wirtshafter, Wirtshafter Associates, Inc.*

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YOU MAY REGISTER ON-LINE AT OUR WEBSITE....<http://www.IEPEC.org>.

Evaluating Impact of Policy on Solar and New Home Integration, Jon Abe, KEMA, Inc.

The objective of this analysis is to determine the most cost-effective mix of state-level policies that could lead to the widespread adoption of solar energy in the new home market.

An IOU's Evaluation of the Benefits of "Zero Energy Homes", Robb Aldrich, Steven Winter Associates, Inc.

Based on field data and modeling, Western Massachusetts Electric Company and Steven Winter Associates, Inc. have begun to quantify the utility avoided cost, environmental benefits, and cost to homeowners of "zero energy homes"—very efficient homes that incorporate renewable energy systems to provide most or all of their energy needs.

Assessing Consumer Values and Market Strategies for an Emerging Technology—Solid State Lighting, Barbara G. Ashdown, Oak Ridge National Laboratory
Find out what the Solid State Lighting (SSL) market environment looks like today—understand consumer values and preferences for lighting, supply chain issues, R&D, and proposed strategies to ensure SSL integration into the illumination market.

Developing a Common European Framework for Energy Savings Assessment, Paolo Bertoldi, European Commission

An approach to developing a common European energy efficiency evaluation methodology for projects, programs, and policies, based on bottom-up methods complemented by some top-down indicators.

Evaluation Study of a Small Commercial Boiler Incentives Program, Anne Blankenship, Robert Mowris & Associates

Research findings and field measurements of thermal efficiencies of low, medium, and high-efficiency natural gas boilers.

Understanding What's In Homes: Sophisticated Web-based Analysis Made Simple, Matt Brost, RLW Analytics, Inc.

An interactive demonstration of a user-friendly web-enabled application for calculating and analyzing baseline efficiency saturation levels for major appliances, equipment and housing characteristics.

Case Study of the California Cement Industry, Fred Coito, KEMA, Inc.

This poster profiles energy usage in the California cement industry and identifies key opportunities and barriers to energy efficiency program participation and energy efficiency improvements in this industry.

San Francisco Peak Energy Program Partnership Evaluation, Kevin Cooney, Summit Blue Consulting

This poster will describe (through a series of charts) the research techniques employed to address program planning and delivery issues relevant to a partnership developed between Pacific Gas & Electric (PG&E) and the City of San Francisco's Office of the Environment to reduce peak demand in the city, including: 1) issues surrounding partnership responsibilities, 2) issues common to the eight program delivery elements, and 3) issues attributable to a specific program element.

A Journey into the Best Practices Website, Rafael Friedmann, Pacific Gas & Electric Company

Showcases the Energy Efficiency Best Practices website to facilitate users' understanding of the information contained in it and how to best access it.

Building Communities for Sharing Energy Efficiency Knowledge and Learning to Enhance Performance, Kenneth James, Pacific Gas & Electric Company

Throughout the regulatory regime transformations and shifting goals for energy efficiency programs, the industry as a whole lost knowledge and, more importantly, the ability to share it effectively. This poster proposes ideas on how knowledge creation, sharing and utilization can become integral to future efforts, enhancing program results.

The Structure and Operation of the Retail Food Sales Market, Katherine Johnson, KJ Consulting

The retail food sales market is comprised of 75 large regional or national players who sell 75 percent of the groceries and whose centralized decision-making has significant implications for how energy efficiency should be marketed.

Refrigerant Charge and Airflow Verification Program, Ean Jones, Robert Mowris & Associates

Demonstration of the Verified™ Refrigerant Charge and Airflow system and how the system is being used to verify, register, and maintain proper installation of 12,000 air conditioners in California.

Dynamic Residential Pricing: Implementing and Evaluating Real-Time Pricing in the Residential Sector, Lawrence Kotewa, Community Energy Cooperative

This poster presents the results of the evaluation of the Energy-Smart Pricing Plan(SM), the largest ongoing residential real-time pricing program in the country.

Watts Down With Energy Production and Reduction at Wastewater Treatment Plants, Lucy M. Labruzzo, New York Power Authority

Alternative financing and turnkey implementation services are available for water/wastewater projects from utilities, making it more appealing for customers to conduct energy efficient upgrades to water/wastewater facilities, with little to no out-of-cost expense to their capital budgets.

Assessing Consumer Values and Potential Markets for the Integrated Water Heater/ Dehumidifier, Melissa Lapsa, Oak Ridge National Laboratory

This paper presents a case study of the integrated water heater/dehumidifier (IWHD), evaluating the extent to which the IWHD might penetrate the residential market sector given current market trends, producer and consumer attributes, and technical parameters.

Evaluation and Management of an Energy Efficiency Information Center: Criteria for the Selection of Indicators, Karla Kwiatkowski Lepetitgaland, ELETROBRÁS

This work presents a proposal for the formulation of criteria for selecting indicators to evaluate an Energy Efficiency Information Center, based on the application of a qualitative and technological forecasting method (Priorities Matrices) which was submitted to a group of experts who work with energy savings and the environment.

Incorporating International Performance Measurement and Verification Protocols (IPMVP) and Six Sigma Strategies into Energy Efficiency Program Evaluation, Robert J. Mowris, P.E., Robert Mowris & Associates

Checklists, suggestions, and examples of how to use IPMVP and Six Sigma strategies as a "tool kit" to evaluate energy efficiency programs.

Bridging the Gap: Leveraging Logger Results with Telephone Survey Data to Estimate Residential Lighting Program Impacts, Susan Oman, Nexus Market Research, Inc.

This study is an examination of the relationship between self-reported and logged hours of residential lighting usage; it compares data from the same households to extrapolate results of a larger telephone survey.

Knowing How Much We Don't Know: Quantifying the Impact of Uncertainty in Program Evaluation, Michael Ozog, Summit Blue Consulting

This poster presents the techniques that were used to determine the uncertainty of key inputs and the relationship between this uncertainty and the uncertainty around the estimate of program performance for the Northwest Energy Efficiency Alliance's portfolio of programs.

R&D Project Assessment Tool Measures Impact Based on Industrial Adoption Rates, Dickson E. Ozokwelu, U.S. DOE

The Chemicals Project Assessment Tool (CPAT) was developed to aid U.S. government agencies to evaluate new energy efficient technologies by providing reasonable energy saving metrics calculated from adoption estimates based on a technology's economic performance.

WEB Interactive Zero Energy Sustainable Home for Teachers, Designers, Contractors and Students, Robert Rogers, Oregon Renewable Energy Center

This website provides a unique opportunity for teachers, architects, engineers, and contractors to teach green building principles and zero-energy home design and construction on a live "real time" operating house (using the lecture and lab syllabi provided).

Are Mainstream ESPC M&V Techniques and Assumptions Adequate?—An Activity Addressing the Issue, John Shonder, Oak Ridge National

This poster addresses the ability of mainstream measurement and verification techniques to ensure actual energy and cost savings in performance contracts.

Transforming the Holidays: Seasonal LEDs, Iris M. Sulyma, BC Hydro

How BC Hydro made LEDs the second most popular seasonal lighting purchase in British Columbia in just two years.



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- We have assembled IEPEC and other evaluation information resources that professional evaluators may find of use—links to organizations both here and abroad.
- Need to find someone who has worked with a particular issue? You can view past program agendas and abstracts from the 2003 conference to find that person or program, which might help you advance your work.
- Find out details about transportation or the hotel. Details can be found by clicking on the "Logistics" button.
- The website is currently focused on the 2005 event. However, the website is maintained and updated periodically between conferences. Look to this site to find early details about the 2007 conference. This is the place to get all the information before we hit the streets with the Call for Abstracts.

We invite you to look at this website on a regular basis. You may find it is just what you need to answer questions about Evaluation Issues.

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Pre-Conference Workshops: August 16 Conference: August 17-19
The New York Marriott at the Brooklyn Bridge – 333 Adams Street Brooklyn, New York 11201
Phone 718-246-7000 – Toll Free 1-888-436-3759

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Please use a separate form for each registrant and type or print clearly.

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These rates apply to all participants, including government and non-profit organization employees, and include one copy of the proceedings on CD.

Registration received **by 7/15/05** _____ US \$495 NEPEC is a 501 C 3, not-for-profit corporation. As much as 50% of your registration fees may be tax deductible. Check with your accountant for complete details.

Registration received **after 7/15/05** _____ US \$595

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Student verification required. No tasks/responsibilities are assigned at the conference.

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Arrangements will be made for participation of a limited number of graduate students to attend at this special rate, in return for on-site support as directed by the Conference Coordinator. To be considered for this rate please contact the Conference Coordinator.

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Cancellation Policy: Conference registration fees will be refunded (less a \$50 cancellation fee) if notice is received in writing by August 1, 2005. Workshop registration fees will be refunded (less a penalty of \$50) if notice is received in writing by August 1, 2005. No refunds given for cancellations after August 1, 2005.

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Workshop 1 (Full Day) _____ US \$125 (conference attendee) _____ US \$200 (not attending conference)
Statistical Sample Design and Analysis for Evaluation

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Monitoring, Evaluation, Reporting, Verification, and Certification of Greenhouse Gas Emissions: Energy-Efficiency Projects

Workshop 3 (Full Day) _____ US \$125 (conference attendee) _____ US \$200 (not attending conference)
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Workshop 4 (Full Day) _____ US \$125 (conference attendee) _____ US \$200 (not attending conference)
Best Practices for Planning, Monitoring, and Evaluating Advertising Efforts

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Evaluation Management 101

Workshop 6 (Full Day) _____ US \$125 (conference attendee) _____ US \$200 (not attending conference)
Necessary Statistics And Models—For Evaluation of Demand-Side Programs, Products and Services

2005 IEPEC REGISTRATION FORM (continued)

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On Thursday evening, August 18, join us for a 2-hour cruise around Manhattan. This trip includes a yacht cruise, light hors d'oeuvres, and 2 beverage tickets.



	Quantity		
Adults (17 and above)	_____	US \$50	Total \$ _____ .00
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PROCEEDINGS: One copy of the 2005 Proceedings on CD is included in the registration fee.

Registered attendees can purchase one bound copy of the proceedings at a reduced cost of \$95. Bound copies of the proceedings will be mailed three weeks after the conference.

2005 Proceedings Book: \$95/copy _____ @ US\$95 = Total \$ _____ .00

Additional 2005 copies:

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International Energy Program Evaluation Conference
The New York Marriott at the Brooklyn Bridge – 333 Adams Street, Brooklyn, New York
August 16 - Pre-conference Workshops
August 17-19 – Conference

Hotel and Transportation Information

Important Deadlines:

- July 15, 2005:** Deadline for "early bird" reduced conference and workshop registration.
August 1, 2005 : Hotel cut-off date to reserve a room at the special conference rate.
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Room Rates \$139 Single/Double—These rates expire on August 1, 2005

All reservation requests must be made with an accompanying check, money order, or a valid major credit card guaranteeing the first night's room rate, plus applicable occupancy tax. Individual deposits are refundable in the event of individual room cancellations, providing notice is received by 6:00 pm the day of arrival. Check-in time is 4:00 pm and checkout is at 11:00 am. Reservations made after August 1, 2005, will be accepted on a space- and rate-available basis only.

Airline

United Airlines is the official airline of the IEPEC. If you or your travel agent calls United's toll-free number (1-800-521-4041) to book your reservations, you will receive a 10% discount off the unrestricted mid-week coach fares when purchased 7 days in advance. An additional 5% discount will apply when you purchase your tickets at least 30 days in advance of your travel date. Discounts apply on UAL/UAX/UA. Call United's Specialized Meeting Reservations Center at 1-800-521-4041 to obtain the best fares and schedule information. Make sure you refer to Meeting ID Number 529CF. Dedicated reservation agents are on duty 7 days a week from 8:00 AM to 10:00 PM EST.



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