The Conference features some of the latest developments in the network industries, especially energy, including:

- Deregulation
- Market Structure
- Policy and Regulatory Issues
- Environmental Policy and GHG
- Telecommunications and Water
- Pricing and Demand Response
- Capacity and Reliability

Who should attend:

- Industry Economists, Consultants and Attorneys
- Marketing and Regulatory Managers
- Regulatory Commission Staff

Dinner Speaker: Edward O’Neill, Senior Advisor to the Governor on CPUC Modernization and Reform

The Center for Research in Regulated Industries, located at Rutgers University, aims to further study of regulation in economics, finance, and institutions. Its publications, seminars, workshop, and courses make available the latest advances to academics, managers, and regulatory commission staff. The Center has over thirty five years of experience providing research, instruction, conferences, courses, seminars, and workshops in economics of network industries. The Center’s Journal of Regulatory Economics is an international scholarly bi-monthly publication intended to provide a forum for the highest quality research in regulatory economics. Other research from the Center’s programs has been published in the book series Topics in Regulatory Economics and Policy.

crri@business.rutgers.edu
www.business.rutgers.edu/CRRIR

Rutgers Business School ● 1 Washington Park, Room 1104 ● Newark, NJ 07102-1897
973-353-5761 ● 973-353-1348 (fax)
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>2:00 - 4:00</td>
<td>Registration</td>
<td>MGB Terrace</td>
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<tr>
<td>4:00 - 6:00</td>
<td>Welcome to Conference: Michael A. Crew</td>
<td>PacificRoom</td>
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<td></td>
<td><strong>Karl McDermott:</strong> The Impact of Innovations on Employment: The Post War Railroad Industry</td>
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<td><strong>Timothy Brennan:</strong> Net Neutrality: Economics, Law, and Politics</td>
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<td></td>
<td><strong>William Kovacic:</strong> Due Process and Quality Control in Regulatory Agency Decision-making</td>
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<td>6:00 - 7:00</td>
<td>Cocktail Hour</td>
<td>MGB Terrace</td>
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<tr>
<td>7:00 – 9:00</td>
<td>Dinner &amp; Keynote Speech: Edward O’Neill: CPUC Reform – Would We Know If We Saw It?</td>
<td>Beach Room</td>
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<tr>
<td>9:00 – 10:00</td>
<td>Reception</td>
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**THURSDAY, JUNE 25, 2015**

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<tr>
<th>Time</th>
<th>Concurrent Sessions</th>
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<tr>
<td>8:00 - 10:00</td>
<td>RATES &amp; TARIFFS</td>
<td>Grove</td>
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<td>Chair: Dennis Keane</td>
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<td>Discussants: Nicole Belle Isle and Andre Ramirez</td>
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<td></td>
<td><strong>Ahmad Faruqui, Ryan Hledik &amp; Wade Davis:</strong> Do Inclining Block Rates Promote Energy Efficiency?</td>
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<td><strong>David Brown &amp; David Sappington:</strong> On the Optimal Design of Distributed Generation Policies</td>
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<td><strong>Richard McCann:</strong> A More Expansive Investigation into the Value of Solar</td>
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<td><strong>Gregory Rybka:</strong> Financial Impacts of Customer-Sited PV on Utility Rates and Profitability</td>
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<td>10:00 – 10:20</td>
<td>Coffee Break</td>
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<td>10:20 - 11:50</td>
<td>Concurrent Sessions</td>
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<td><strong>RELIABILITY MODELING</strong></td>
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<td>Chair: Joseph Abhulimen</td>
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<td>Discussants: Neil Lessem</td>
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<td></td>
<td><strong>Frank Felder et al:</strong> Optimizing Reliability and Resiliency of Electric Distribution Systems</td>
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<td><strong>Kevin Woodruff:</strong> Can Traditional Electric System Reliability Criteria Survive Exposure to the Sun and the Wind?</td>
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<td><strong>Robert Entriken et al:</strong> Concepts and Practice Using Stochastic Programs for Determining Reserve Requirements</td>
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<td>11:50 - 1:20</td>
<td>Lunch Break</td>
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<td>1:20 - 2:50</td>
<td>Concurrent Sessions</td>
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<td><strong>CAPACITY &amp; RELIABILITY</strong></td>
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<td>Chair: Rami Kahlon</td>
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<td>Discussants: Carl Silsbee</td>
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<td><strong>Scott Harvey &amp; Susan Pope:</strong> Demand Response, Market Manipulation and Order 745</td>
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<td></td>
<td><strong>Albert Lamadrid, Tim Mount &amp; Wooyoung Jeon:</strong> Can Pay-for-Performance Pricing Replace Capacity Markets and Establish a Viable Energy-Only Market?</td>
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<td><strong>Carl Linvill:</strong> Swiss Army Knife or Meat Cleaver: Assessing Reliability Arguments for Expanding Gas Generation and Infrastructure</td>
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<td>2:50 - 3:00</td>
<td>Break</td>
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<td>3:00 - 4:00</td>
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<td><strong>WATER ISSUES</strong></td>
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<td>Chair: Rami Kahlon</td>
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<td>Discussants: Carl Danner and Nguyen Quan</td>
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<td><strong>J. Chermak, R. Patrick, K. Krause &amp; D. Brookshire:</strong> Water Commodity Pricing and Conservation Incentives</td>
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<td><strong>Bob Kelly:</strong> Prediction Of Small Water Utilities Heading Into Receivership</td>
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<td></td>
<td><strong>THE DEMAND SIDE</strong></td>
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<td>Chair: Gary Stern</td>
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<td>Discussants: Matthew Croucher and Alan Finder</td>
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<td><strong>Stephen George:</strong> Final Results from SMUD’s SmartPricing Options Pilot</td>
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<td><strong>Luke Nickerman &amp; David Sawaya:</strong> The State of PG&amp;E Building Stock</td>
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<td><strong>Robert Entriken et al:</strong> A Benefit-Cost Framework for Optimal Load Shifting</td>
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<td><strong>Wade Davis, Ahmad Faruqui &amp; Ryan Hledik:</strong> The Economics of Organic Conservation</td>
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<td>10:00 – 10:20</td>
<td>Coffee Break</td>
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<td>10:20 - 11:50</td>
<td>Concurrent Sessions</td>
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<td><strong>DEVELOPING REGULATION</strong></td>
<td>Pacific</td>
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<td>Chair: Shivani Ballesteros</td>
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<td>Discussants: Khai Duong and Eric Woychik</td>
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<td><strong>Timothy Brennan &amp; Michael Crew:</strong> Price Cap Regulation and Declining Demand</td>
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<td><strong>Jiong Gong, Baomin Dong &amp; Michael Crew:</strong> Guaranteed Return Regulation</td>
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<td><strong>Joseph Wharton &amp; Michael Vilbert:</strong> The Impact of Decoupling Ratemaking on the Cost of Capital</td>
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<td>11:50 - 1:20</td>
<td>Lunch Break</td>
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<td>1:20 - 2:50</td>
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<td><strong>PROGRAM MEASUREMENT</strong></td>
<td>Pacific</td>
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<td>Chair: Alan Finder</td>
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<td>Discussants: Jocelyn Wong and Charlene Zhou</td>
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<td><strong>Lamine Akaba &amp; Christine Hartmann:</strong> An Experiment on Machine Learning and Estimating the Impacts of Demand Response</td>
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<td><strong>Ahmad Faruqui &amp; Josephine Duh:</strong> Re-examining the Controversial Rebound Effect in Energy Efficiency</td>
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<td><strong>Neil Lessem:</strong> Sharing the Love – Measuring Program Impacts without a Dedicated Control Group</td>
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<td>2:50 - 3:00</td>
<td>Break</td>
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<td>3:00 - 4:00</td>
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<td><strong>COMPETITIVE VALUE</strong></td>
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<td>Chair: Anne-Marie Cuneo</td>
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<td>Discussants: Carl Peterson and Eric Woychik</td>
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<td><strong>Wesley W. Wilson:</strong> Competition and Prices over Railroad Networks</td>
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<td><strong>Udi Helman &amp; Joshua Eichman:</strong> Economic Benefits of Energy Storage under California’s Storage Mandate</td>
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</table>
**28th Annual Western Conference**

**FRIDAY, JUNE 26, 2015**

8:30 - 10:30  *Concurrent Sessions*

**THE DEATH SPIRAL**

Chair: Carl Peterson

Discussants: Carl Danner and Karl McDermott

Darryl Biggar: Electricity Network Tariff Reform in Australia: The Current Debate and the Way Forward

Amparo Nieto & Cliff Rochlin: Utility Regulation in the Era of Renewables: Is there a need for a New Business Model?

Stephen St Marie: Will there be a “Death Spiral” for California Electric Utilities?

Ashley Spalding & Catherine Elder: Cable and Electric Utilities: Do We Need Them?

10:30 – 11:00  Coffee Break

11:00 - 12:30  *Concurrent Sessions*

**WHOLESALE MARKETS**  

Chair: Darryl Biggar

Discussants: Eric Korman & Kevin Woodruff

Paul Nelson: Review of CAISO’s Energy Imbalance Market

Shmuel Oren, Ruoyang Li & Alva J. Svoboda: Efficiency Impact of Convergence Bidding on the California Electricity Market

Ryan Kurlinski & Roger Avalos: Allocating CRR Revenue Inadequacy by Constraint to CRR Holders

12:30- 12:35  Concluding Remarks—Michael A. Crew

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**OPTIMAL RATES**

Chair: Fred Curry

Discussants: Scott Murtishaw and Mark Fulmer

Robert Levin: Time-of-Use Rates For 2020 and Beyond: Can They Tame the Duck?

Cynthia Fang: Unlocking the Value of Distributed Resources through Pricing

Frank A. Monforte: Incorporating Behind-the-Meter Solar Generation into a Load Forecasting System

Josephine Duh, Ahmad Faruqui, Ryan Hledik & Toby Brown: A Template for Designing the Optimal Tariff for Residential Customers

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**GHG**

Chair: Michael A. Crew

Discussants: James Fine and Charlene Zhou

Janos Kakuk & Gary Stern: Clean Energy Standard – A Framework to Achieve California’s Carbon Reduction Vision

Gigio Sakota & Andrew Dugowson: A Uniform Cost-Comparison Metric for GHG Reduction Measures in the Electric Sector

Ray Williams, Jeff Brown, Xantha Bruso: Western Electric Market Impacts from US EPA 111(d) Policy Alternatives

---

**SPEAKERS DISCUSSIONS & CHAIRS**

Joe Abbulinen, Program Supervisor, California Public Utilities Commission

Lamine Akaba, Pacific Gas and Electric

Shivani Ballesteros, Regulatory Case Manager, San Diego Gas & Electric

Nicole Belle Isle, Utilities Engineer, California Public Utilities Commission

Darryl Biggar, Australian Competition and Consumer Commission

Timothy Brennan, University of Maryland Baltimore County

David Brown, University of Alberta

Jeff Brown, Principal Long Term Energy Policy, PG&E

Janie M. Chermak, Professor and Chair, University of New Mexico

Michael A. Crew, CRRI Professor of Regulatory Economics, Rutgers University

Matthew Croucher, Director of Demand Analytics, CPS Energy

Anne-Marie Cuneo, Director of Regulatory Operations, Public Utilities Commission of Nevada

Fred Curry, Consultant, Subscription Solutions

Carl Danner, Chief Internal Auditor, California Public Utilities Commission

Wade Davis, Research Analyst, The Brattle Group

Andrew Dugowson, Southern California Edison Company

Josephine Duh, Associate, The Brattle Group

Khai Duong, California Public Utilities Commission

Catherine Elder, Practice Director, Energy Resource Economics, Aspen Environment Group

Robert Entriiken, Senior Manager, Policy Analysis, EPRI

Cynthia Fang, Electric Rates Manager, San Diego Gas & Electric

Frank Felder, Rutgers University

Alan Finder, Managing Director, Global Regulatory Advisors LLC

James Fine, Senior Economist, Environmental Defense Fund

Mark Fulmer, Principal, MRW & Associates

Stephen S. George, Nextra Inc.

Jiong Gong, Henan University

Scott Harvey, FTI Consulting

Udi Helman, Consultant

Rami Kahlon, Director of the Water Division, California Public Utilities Commission

Janos Kakuk, Principal Manager, Market Strategy and Resource Planning, Southern California Edison

Dennis Keane, Senior Manager, Rate Design and Quantitative Analysis, Pacific Gas & Electric

Robert Kelly, Vice President Regulatory Affairs, Suburban Water Systems

Eric Korman, Vice President, Analysis Group, Inc.

Ryan Kurlinski, California Independent System Operator

Alberto Lamadrid, Lehigh University

Neil Lessem, Consultant, The Brattle Group

Robert Levin, Senior Analyst, Energy Division, California Public Utilities Commission

Carl Linvill, Director, Energy Planning and Analysis, The Regulatory Assistance Project

Richard McCann, Partner, M.Cubed

Karl A. McDermott, Ameren Professor of Government and Business, University of Illinois - Springfield & Special Consultant, NERA Economic Consulting

Frank A. Monforte, Itron

Timothy D. Mount, Professor, Cornell University

Scott Murtishaw, Advisor, California Public Utilities Commission

Paul Nelson, Market Design Manager, Southern California Edison

Luke Nickerman, Pacific Gas and Electric

Amparo Nieto, Vice President, NERA Economic Consulting

Edward O’Neill, Senior Advisor to the Governor on CPUC Modernization and Reform

Shmuel Oren, University of California Berkeley

Robert H. Patrick, Associate Professor, Rutgers University

Carl Peterson, Assistant Professor, University of Illinois - Springfield & Special Consultant, NERA Economic Consulting

Nguyen Quan, Manager Regulatory Affairs, Golden State Water Company

Andrei Ramirez, Regulatory Operations – Pricing Design & Research, Southern California Edison

Gregory Rybka, Lawrence Berkeley National Laboratory

Gigio Sakota, Senior Project Manager, Southern California Edison Company

Andrew Satchwell, Lawrence Berkeley National Laboratory

David Sawaya, Pacific Gas and Electric

Carl Silsbee, Manager of Resource Policy and Economics, Southern California Edison

Ashley Spalding, Energy Analyst, Aspen Environmental Group

Stephen St. Marie, Policy & Planning Division, California Public Utilities Commission

Gary Stern, Director of Energy Policy, Southern California Edison

Michael J. Vilbert, The Brattle Group

Joseph B. Wharton, Principal, The Brattle Group

Ray Williams, Director, Long Term Energy Policy, PG&E

Wesley W. Wilson, University of Oregon

Jocelyn Wong, California Public Utilities Commission

Kevin Woodruff, Principal, Woodruff Expert Services

Eric Woychik, Executive Consultant and Principal, Strategy Integration, LLC

Charlene Zhou, Associate, Analysis Group, Inc.
28th Annual Western Conference

ORGANIZING COMMITTEE
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Amparo Nieto (NERA Economic Consulting)
Cliff Rochlin (Southern California Gas)
Carl Silsbee (Southern California Edison)
Kevin D. Woodruff (Woodruff Expert Services)

CRRI – Rutgers University

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Phone: 973-353-5761
Fax: 973-353-1348
Email: mcrew@business.rutgers.edu (Michael Crew)
crri@business.rutgers.edu (CRRI Admin Asst)

HOTEL RESERVATIONS
Sufficient Rooms are reserved at the Hyatt Regency Monterey for all of the Conference participants. Reservations should be received by June 2, 2015. Hotel reservation can be made by using the following Passkey Link:

Hyatt Regency Monterey
1 Golf Course Road
Monterey, California, 93940, USA
1-888-421-1442

If you are not making reservations through the link above please identify yourself as being held under the group block: Rutgers University CRRI Program.

REGISTRATION INFORMATION
To Register: Please complete and return the form to CRRI. Registrations are accepted by mail, email, fax, and telephone. Please confirm telephone registrations by sending in a completed and signed registration form. The deadline for registrations is May 15, 2015. Registrations received after May 15, 2015 will be admitted on a space available basis.

Volume discount: Second and subsequent applications received in the same envelope, fax, email, or made at the same time by phone will receive a 5% volume discount.

GOVERNMENT RATE: Government employees may apply for reduced enrollment fees. I would like to apply for the govt rate of $600

Billing Information:
__ Payment enclosed $1,115 U.S. Dollars
__ Send invoice to participant at above address.
__ Send invoice to________________________
__ Credit Card: __ VISA __ MC Exp. ____/____ CVC Code: __________ Card # __________

CANCELLATION POLICY: Until May 1, 2015 cancellation is allowed without penalty and refunds will be allowed in full. After this date, the indicated fee is due in full whether or not the participant actually attends. Substitutions may be made at any time.

REGISTRATION FORM: 28th Annual Western Conference
Name
Title:
Company:
Complete Address:
Telephone: Fax:
Email:

Signature of Participant: ____________________________