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: Catherine Sandoval, former Commissioner – California Public Utilities Commission
30th Annual Western Conference

WEDNESDAY, JUNE 28, 2017

2:00 - 4:00  Registration
Monterey Terrace
4:00 – 6:00  Welcome to Conference: Victor Glass
Grove Room
William E. Kovacic: Academic Hubs – The Intellectual Infrastructure of Economic Regulation
Tim Brennan: Michael Crew’s Contributions to the CRRI Conferences
Karl McDermott: The Paths Not Taken – Alternatives to “Traditional” Cost Based Regulation in the Pre-Hope Era

THURSDAY, JUNE 29, 2017

7:00 – 9:00  Dinner & Keynote Speech: Catherine Sandoval
Beach Room
9:00 – 10:00  Reception
Monterey Terrace

8:30 - 10:00  Concurrent Sessions
DISTRIBUTED ENERGY RESOURCES I  Grove
Chair: Gary Stern
Discussants: Joseph Abhulmen, Scott Murtishaw
Robert Entriken: StorageVET Use Cases
Aidan Tuohy, Ben Kaun, Erik Ela, and Udi Helman: Storage Valuation in Bulk Power System Planning
Eric Woychik and Mark S. Martinez: To Integrate and Optimize the Grid – Locate and Customize Distributed Energy Resources

WATER AMID DROUGHT  Pacific
Chair: Dennis Keane
Discussants: Nguyen Quan
Rami Kahlon: California Drought
Janie Chermak and Robert Patrick: Residential Water Consumer Response to Price
Stephen St. Marie: Water Rate Design

10:00 – 10:20  Coffee Break
Monterey Terrace

10:20 - 11:50  Concurrent Sessions
ELECTRIC FORECASTING  Grove
Chair: Dhaval Dagli
Discussants: Armando Levy, Trina Horner
Cynthia Fang, Josh Mondragon, and Gwen Morien: Solar Adoption and Customer Consumption in the Residential Sector
Ahmad Faruqui, Zhen Wang, and James Hall: Estimating the Impact of DSM on Energy Sales Forecasts – A Survey of Utility Practices
Russell Garwacki, Lifan Pan, and Cyrus Sorooshian-Tafti: Real Time Pricing (RTP) program

ELECTRIC WHOLESALE MARKET DESIGN  Pacific
Chair: Tim Brennan
Discussants: Hung-po Chao, Tim Mount
Ryan Kurlinski and Roger Avalos: Ancillary Service Demand Curves Based on Expected Value of Avoiding Power Balance Constraint Violations
Carl Linvill and Michael Hogan: Hitting the Mark on Missing Money – How to Ensure Reliability at Least Cost to Consumers

11:50 - 1:20  Lunch Break
Monterey Terrace

1:20 - 2:50  Concurrent Sessions
DISTRIBUTED ENERGY RESOURCES II  Grove
Chair: Marzia Zafar
Discussants: Carl Peterson, Eric Woychik
Tim Brennan: NARUC vs. NYSPSC
Amparo Nieto: Designing a Value-Based Tariff Framework for Distributed Energy Resources
Gigio Sakota and Raymond Johnson: Demand Response Auction Mechanism (DRAM) Pilot – An Initial Look

ISSUES FOR FERC & STATE COMMISSIONS  Pacific
Chair: Kevin Woodruff
Discussants: Andrew Dugowson and Michael Vilbert
Andrew Kleit: Looking Back at ENRON After Almost Two Decades – Were California’s Electricity Markets Manipulated?
Robert Mudge and Akarsh Sheilendranath: An Examination of Plausible Drivers of Elevated Market to Book Ratios of Regulated Utilities

2:50 - 3:00  Break

SAFETY & SMART METERING  Grove
Chair: Gigio Sakota
Discussants: Catherine Elder
Jiong Gong: What to Do When Railroad Tariffs Not Reflecting Risk of Accidents?
Carl Danner and Paul Schulman: Rethinking Risk Assessment for Safety Regulation
Michael K. McShane: Leveraging Gas Smart Meter Technology to Improve Energy Choice

TELECOMMUNICATIONS & COMPLIANCE  Pacific
Chair: Tim Brennan
Victor Glass and Timothy Tardiff: Is Wholesale Pricing of Dedicated Broadband Services no Longer Relevant in a Packet World?
John Mayo, Jeffrey Macher, Olga Ukhanova, and Glenn Woroch: Universal Service – Now It’s Getting Personal
Menahem Spiegel, Compliance
8:30 - 10:30  **Concurrent Sessions**

**MORE ON WHOLESALE MARKETS**
Chair: Menahem Spiegel  
Discussants: Carl Linville, Megan Accordino  
**Hung-po Chao and William Hogan:** Competitive Equilibrium of Two-Settlement Electricity Market with Virtual Bidding  
**A. Lamadrid, W. Jeon, H. Lu and Tim Mount:** The Potential Role of Aggregators in a Simple Two-Sided Electricity Market  
**Kevin Woodruff:** Regional Markets and Greenhouse Gases – Part II

**ELECTRIC SERVICE PLANNING**
Chair: Catherine Sandoval  
Discussants: Anne-Marie Cuneo, John Cole  
**Daniel Brooks, Robert Entriken, Adam Diamant, and Tom Wilson:** Planning Framework for Integrated Energy Networks  
**Janie Chermak and Robert Patrick:** Optimizing Production of Hydrocarbons and Water  
**Ahmad Faruqui, Neil Lessem, and Henna Trewn:** Promoting Energy Efficiency by Leasing High Efficiency Equipment  
**James P. Griffin, John Cole and Mark Glick:** Hawaii’s Progress and Lessons Learned in Reaching a 100% Renewable Portfolio Standard

10:30 - 11:00  Coffee Break

11:00 - 12:30  **Plenary Session**

**ELECTRIC RATE DESIGN**
Chair: Paul Nelson  
Discussants: Carl Danner, Amparo Nieto  
**Ken Schierrmeyer and Will Matsuoaka:** Long-Term Hourly Forecasting  
**Ahmad Faruqui; Ryan Hledik, and Angela Gunn:** Simulating the Impact of Demand Charges in the Absence of Empirical Data  
**Paul Nelson and Ben Baker:** Using Loss of Load Expectation to Allocate Generation Capacity to Peak and Flexibility Need

12:30-12:35  Concluding Remarks – Victor Glass

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**Speakers Discussants & Chairs**

**Joseph Abhulmen,** Program Supervisor, California Public Utilities Commission  
**Megan Accordino,** Associate, Analysis Group Inc.  
**Benjamin Baker,** Senior Financial Analyst, Southern California Edison  
**Tim Brennan,** University of Maryland Baltimore County  
**Meredith Burnett,** Assistant Staff Counsel, Nevada Public Utilities Commission  
**John Candelaria,** Policy Advisor, Nevada Public Utilities Commission  
**Hung-po Chao,** Chief Economist and Senior Director Economics – Operations and Markets, PJM Interconnection  
**Janie Chermak,** Professor, University of New Mexico  
**John Cole,** Energy Analyst, Hawaii Natural Energy Institute  
**Anne-Marie Cuneo,** Director of Regulatory Operations, Nevada Public Utilities Commission  
**Carl Danner,** Chief Internal Auditor, California Public Utilities Commission  
**Dhaval Dugl,** Principal Manager, Southern California Edison  
**Andrew Dugowsion,** Energy & Environmental Policy, Southern California Edison  
**Anne-Marie Cuneo,** Energy Analyst, California Public Utilities Commission  
**John Cole,** Energy Analyst, Hawaii Natural Energy Institute  
**Anne-Marie Cuneo,** Director of Regulatory Operations, Nevada Public Utilities Commission  
**Eugene Cuneo,** Chief, Regulatory Analysis, Nevada Public Utilities Commission  
**Carson Daffin,** Energy Manager, California Public Utilities Commission  
**John Cole,** Energy Analyst, Southern California Edison  
**Andrew Dugowsion,** Energy & Environmental Policy, Southern California Edison  
**Anne-Marie Cuneo,** Director of Regulatory Operations, Nevada Public Utilities Commission  
**Robert Danner,** Chief Internal Auditor, California Public Utilities Commission  
**Eugene Cuneo,** Manager, Energy Policy, Nevada Public Utilities Commission  
**Robert S. Mudge,** Principal, The Brattle Group  
**Scott Murtishaw,** Energy Advisor, California Public Utilities Commission  
**Paul D. Nelson,** Market Design Manager, Southern California Edison  
**Amparo Nieto,** Vice President, NERA Economic Consulting  
**Robert Patrick,** Associate Professor, Rutgers University  
**Carl Peterson,** Professor, University of Illinois Springfield  
**Nguyen Quan,** Manager, Regulatory Affairs, Golden State Water  
**Gigio Sakota,** Senior Strategic Planning Manager, Southern California Edison  
**Catherine Sandoval,** former Commissioner – California Public Utilities Commission  
**Ken Schierrmeyer,** Forecasting & Analysis Manager, San Diego Gas & Electric  
**Paul Schulman,** Senior Research Fellow, Center for Catastrophic Risk Management, University of California, Berkeley  
**Akshar Sheelendranath,** Associate, The Brattle Group  
**Cyrus Sorooshian-Taf-Taf,** Manager Load Research, Southern California Edison  
**Menahem Spiegel,** Professor, Rutgers University  
**Stephen St. Marie,** Policy Planning Analyst, California Public Utilities Commission  
**Gary Stern,** Director of Energy Policy, Southern California Edison  
**Aidan Tuohy,** Senior Project Manager, EPR  
**Michael J. Vilbert,** Principal, The Brattle Group  
**Zhen Wang,** Associate, The Brattle Group  
**Kevin Woodruff,** Principal, Woodruff Expert Services  
**Eric C. Woychik,** Senior Vice President, Willdan Group  
**Marzia Zafar,** CPUC, Director of Policy and Planning  
**Charlene Zhou,** Manager, Analysis Group, Inc.  
**Cristina Zuniga,** Policy Advisor, Nevada Public Utilities Commission
ORGANIZING COMMITTEE

Matthew Arenchild (Navigant Consulting, Inc.)
Carl Danner (California Public Utilities Commission)
Robert Entriken (EPRI)
Cynthia Fang (San Diego Gas & Electric)
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Victor Glass (Rutgers University)
Rami Kahlon (California Public Utilities Commission)
Dennis Keane (Pacific Gas & Electric)
Eric Korman (Analysis Group)
Neil Lessem (The Brattle Group)
Carl B. Linvill (The Regulatory Assistance Project)
Paul Nelson (Southern California Edison)
Amparo Nieto (NERA Economic Consulting)
Kevin D. Woodruff (Woodruff Expert Services)

HOTEL RESERVATIONS

Sufficient Rooms are reserved at the Hyatt Regency Monterey for all of the Conference participants. Reservations should be received by May 28, 2017. Hotel reservation can be made by using the following Passkey Link:

https://resweb.passkey.com/go/CRRIannualConference2017

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.

CONTACTING CRRI

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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 24, 2017. Registrations received after May 24, 2017 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.

Payment Information: Make checks payable to “Rutgers University” and mail to the attention of at the above address. Fees include prescribed learning materials, dinner on Wednesday night, June 28, 2017, all receptions and coffee breaks, but do not include lodging and other meals. The government registration fee is available for government employees.

REGISTRATION FORM: 30th Annual Western Conference

Name
Title:______________________________________________________________
______________________________________________________________
Company:________________________________________________________
Complete Address:__________________________________________________
Telephone:________________________ Fax:________________________
Email:__________________________

Billing Information:

___ Payment enclosed $1,135 U.S. Dollars
___ Send invoice to participant at above address.
___ Send invoice to _______________________________________
___ Credit Card: ___ VISA ___ MC Exp. ____/____ CVC Code: _____ Card # ____________________________

GOVERNMENT RATE: Government employees may apply for reduced enrollment fees.

___ I would like to apply for the govt rate of $610
Card #________________________________________________________

CANCELLATION POLICY: Until May 9, 2017 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.

Signature of Participant:________________________________________