Advanced Workshop in Regulation and Competition

33rd Annual Western Conference

Hyatt Regency, Monterey, California on June 22-24, 2022

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: Chair Commissioner Emeritus Mark Kolesar

CENTER FOR RESEARCH IN REGULATED INDUSTRIES

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.

cri@business.rutgers.edu
www.business.rutgers.edu/CRRI

Rutgers Business School • 1 Washington Park, Room 1104 • Newark, NJ 07102-1897
973-353-5761
### Wednesday, June 22, 2022

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<th>Time</th>
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<th>Location</th>
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<tr>
<td>2:00 – 4:30</td>
<td>Registration</td>
<td>Mark Thomas Foyer</td>
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<td>4:30 – 6:05</td>
<td>Welcome to Conference: Victor Glass</td>
<td>Cypress</td>
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<td>4:35 – 6:00</td>
<td><em>Agustin Ros</em> “Performance-Based Regulation”</td>
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<td></td>
<td><em>Darryl Biggar</em>, “Seven Outstanding Issues in Electricity Network Regulation”</td>
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<td>6:00 – 7:00</td>
<td>Cocktail Hour</td>
<td>Mark Thomas Foyer</td>
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<td>7:00 – 9:00</td>
<td>Dinner &amp; <strong>Keynote Speech: Mark Kolesar</strong></td>
<td>Windjammer</td>
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<td><em>The Role of the Regulator: Looking back and to the future</em></td>
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<td>9:00 – 10:00</td>
<td>Reception</td>
<td>Windjammer 1-4r</td>
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### Thursday, June 23, 2022

#### Concurrent Sessions

**Cypress 1-3**

- **Energy Communities**
  - Chair: Menahem Spiegel
  - Discussants: Jason Hansen
  - **Eric Woychik and Kenneth Skinner**: A Tale of Two Cities
  - **Mark Kolesar**: Community Energy Projects

**Spy Glass 1-2**

- **Transforming Transmission**
  - Chair: Megan Accordino
  - Discussants: Rafael Emmanuel Macatangay, Tim Brennan
  - **Agustin Ros, Sai Shetty, and Tim Tardiff**: Performance Based Regulation in Electricity and Cost Benchmarking: Theoretical Underpinnings and Application

#### Concurrent Sessions

- **Behind the Meter**
  - Chair: Cyndee Fang
  - Discussants: Rafael Emmanuel Macatangay, Darryl Biggar
  - **Mark Kolesar and Michael Vigdor**: Load Attraction Programs

- **Reliability Strategies**
  - Chair: Jeffrey Macher
  - Discussants: Robert Press
  - **Alberto Lamadrid, Timothy Mount, and Wooyoung Jeon**: The Increasing Cost of Maintaining System Adequacy

- **Amparo Nieto**: Improved Rate Designs for a Cleaner Energy Sector: Merits of the California NEM Reform and What else is Needed for an Effective Regulatory Contract

- **D. McDowell, A. Wrobel, P. Talbot, K. Frick, H. Bryan, J. Hansen, R. Boardman**: A Technical and Economic Assessment of LWR Flexible Operations for Generation Balancing to Optimize Plant Revenue

- **Augustin Ros and Sai**: Residential Rooftop Solar Demand and the impact of NEM Compensation and Electricity Prices

### Lunch

- Noon – 1:15PM

### Concurrent Sessions

#### Managing Decarbonization

- **Fostering Competition**
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<th>Time</th>
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<tr>
<td>8:30 – 10:00AM</td>
<td>Concurrent Sessions</td>
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<tr>
<td>Cypress 1-3</td>
<td>Spy Glass 1-2</td>
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<tr>
<td><strong>Electric Vehicles</strong></td>
<td><strong>Regulatory Economics</strong></td>
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<tr>
<td>Chair: Frank Harris</td>
<td>Chair: Jimi Neitsiss</td>
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<td>Discussants: Fereidoon Sioshansi:</td>
<td>Discussants: Rami Kahlon, Catherine Elder</td>
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<tr>
<td>Andrew Satchwell, J.P. Carvallo, and Peter Capers, The Financial Impacts of Electric Vehicles on Utility Shareholders and Ratepayers</td>
<td>Paul Nelson, Annualizing Capital Costs When Prices are Declining</td>
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<tr>
<td>10 – 10:30AM</td>
<td>Coffee and Tea Break, &amp; Check out</td>
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<tr>
<td>10:30 – 12:15PM</td>
<td>Concurrent Sessions</td>
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<tr>
<td><strong>Resiliency Panel</strong></td>
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<td>Chair: Bob Entriken</td>
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<td>Wilson Rickerson, Regulatory Considerations for Utility Investments in Defense Energy Resilience</td>
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<td>Peter Larsen, Estimating the Impacts of Power Interruption</td>
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**Speakers Discussants & Chairs**

- Megan Accordino, Vice President, Analysis Group
- Matt Arenchild, Partner, Guidehouse
- Jeremy Battis, Senior Analyst, CPUC
- Darryl Biggar, Special Economic Advisor, Australian Competition and Consumer Commission
- Anastasia Bogdanova, Associate, Analysis Group
- David Brown, Associate Professor, University of Alberta
- Tim Brennan, Professor Emeritus, University of Maryland Baltimore County
- JP Carvallo, Sr. Scientific Engineering Associate, Lawrence Berkeley National Laboratory
- Megan Accordino, Vice President, Analysis Group
- Matt Arenchild, Partner, Guidehouse
- Jeremy Battis, Senior Analyst, CPUC
- Darryl Biggar, Special Economic Advisor, Australian Competition and Consumer Commission
- Anastasia Bogdanova, Associate, Analysis Group
- David Brown, Associate Professor, University of Alberta
- Tim Brennan, Professor Emeritus, University of Maryland Baltimore County
- JP Carvallo, Sr. Scientific Engineering Associate, Lawrence Berkeley National Laboratory
- Alberto Lamadrid, Associate Professor of Economics, Lehigh University
- Catherine Elder, Principal Associate, Aspen Institute
- Robert Entriken, Principal Technical Leader, EPRI
- Cyndee Fang, Director of Regulatory Affairs, Northwestern Energy
- Adam Farbaugh, Market Development Manager, Uplight
- Victor Glass, Professor, Rutgers Business School
- Jason K. Hansen, Sr. Research Economist, Idaho National Laboratory
- Frank Harris, Manager of Energy and Regulatory Policy, California Municipal Utilities Association
- Eric Hilderbrandt, Executive Director, Department of Market Monitoring, CAISO
- Udi Helman, Principal, Helman Analytics
- Rami Kahlon, Director of Regulatory Affairs, California Water Service
- Robert Kelly, Vice President, Southwest Water Company
- Mark Kolesar, Chair Emeritus, Alberta Utilities Commission, Managing Principal of Kolesar & Buchanan Associates
- Willsiam Kovacic, Professor of Law, George Washington University
- Peter Larsen, Leader, Electricity Markets and Policy Department, Lawrence Berkeley National Laboratory
- Kim Lighthart, Policy Advisor, PUC Nevada
- Rafael Emmanuel Macatangay, Regulatory Economist, PUC Nevada
- Jeffrey T. Macher, Professor, McDonough School of Business, Georgetown University
- John Mayo, Professor of Economics, Business, and Public Policy, Georgetown University
- Tim Mount, Professor Emeritus, Cornell University
- Paul Nelson, Consultant, Barkovich and Yap Inc.
- Jimi Netmiss, Assistant General Manager Finance, Modesta Irrigation District
- Amparo Nieto, Senior Director, E3 – Energy and Environmental Economics
- Robert Press, Post Doctoral Fellow, Georgetown University
- Liza Reed, Research Manager, Niskanen Center
- Wilson Rickerson, Principal, Converge Strategies
- Agustin Ros, Principal, Brattle Group, Adjunct professor, Brandeis University
- David Salant, Associate Faculty, Tolouse School of Economics
- Fereidoon P. Sioshani, President, Menlo Energy Economics
- Menahem Spiegel, Professor, Rutgers Business School
- Daniel Stuart, Associate, Analysis Group
- Eric Woychik, Senior Vice President, Willdan Group

**Organizing Committee**

Matthew Arenchild (Guidehouse Consulting, Inc.)
Carl Danner (Berekeley Research Group)
Robert Entriken (EPRI)
Cynthia Fang (Northwestern Energy)
Victor Glass (Rutgers University)
Amparo Nieto (E3)
Paul Nelson, (Barkovich and Yap Inc.)

**Hotel Reservations**

Sufficient Rooms are reserved at the Hyatt Regency Monterey for all of the Conference participants. Reservations should be received by **May 22, 2022**. Hotel reservation can be made by using the following Passkey Link

**CRRI 33RD ANNUAL WESTERN CONF**


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

REGISTRATION FORM: 32nd 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: __

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, 2019 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: _________________________________________