**EPRC**

**Agenda**

**Wednesday, September 5th**

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<th>Time</th>
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| 3:00-4:30 PM | Nature Energy Publication Workshop  
*Simplot C*  
*Fouad Khan, Nature Energy* |
| 6:00-8:00 PM | Women in Energy Reception  
*Residence Inn Marriot, Roof Deck, All are Welcome* |

**Thursday, September 6th**

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<td>7:45-9:00 AM</td>
<td>Registration Check-in &amp; Breakfast *</td>
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| 8:30 AM | Welcome by Noel Bakhtian, Center for Advanced Energy Studies  
& Kathy Araujo, Energy Policy Institute * |
| 9:00-10:30 AM | RTO Expansion in the West, Plenary Session *  
*Moderator: Ben Kujala, Northwest Power and Conservation Council*  
*Kristine Raper, Idaho Public Utilities Commission*  
*Ann Rendahl, Washington Utilities and Transportation Commission*  
*Jennifer Gardner, Western Resource Advocates*  
*Peter Colussy, California Independent System Operator* |

*All events marked with an asterisk (*) are held in Simplot BD*
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| **10:45-12:15 PM** | **Federal Energy & Environmental Policy**  
  Moderator: Holly Taylor, Western Interstate Energy Board  
  Andrew Kleit, Penn State University; What is Market Manipulation? Lessons from Barclays and Powhatan  
  David Gattie, University of Georgia; First Principles of US Nuclear Power Policy for 21st Century Geopolitics  
  Craig Jones, Boise State University; Weaponizing the EPA: Presidential Control and Wicked Problems  
  Josh Lappen, Stanford University; A Policy History of the Federal Coal Management Program | **Local Energy Policy Decisions**  
  Moderator: Seth Blumsack, Penn State University  
  Stephanie Lenhart, Boise State University; Opportunities and Challenges of Solar Technology Configurations: Implementation by Municipal Utilities and Electric Cooperatives  
  Gilbert Michaud, Ohio University; Deploying Solar Energy with Community Choice Aggregation Fees: A Case Study of Athens, Ohio  
  Hanna Breetz, Arizona State University; 100% Renewable Energy Pledges in US Cities  
  Gabe Pacyniak, University of New Mexico; Can PURPA “Green” Rural Electricity Co-ops? |  |
| **12:30-1:45 PM** | Lunch & Keynote *  
  Introduction by Kathy Araujo, Energy Policy Institute  
  Keynote by Sue Tierney, Analysis Group |  |  |
| **2:00-3:30 PM** | **Modeling Electricity Markets**  
  Moderator: Robert Godby, University of Wyoming  
  Rohini Ghosh, University of Wyoming; Valuing Expanded Wind Generation and Geographic Diversity of Wind in the Rocky Mountain West: Market and Non-Market Outcomes  
  Jacob Tuttle, University of Utah; Analysis of a Thermal Generator’s Participation in the Western Energy Imbalance Market and the Resulting Effects on Overall Performance and Emissions  
  Ryan Wiser, Lawrence Berkeley National Laboratory; Impacts of Wind and Solar on Wholesale Electricity Prices and Bulk Power System Assets  
  Wesley Cole, National Renewable Energy Laboratory; Impacts of Increasing Penetration of Renewable Energy on the Operation of the Power Sector | **Policy Choices & Environmental Outcomes**  
  Moderator: David Gattie, University of Georgia  
  Brian Sergi, Carnegie Mellon University; Integrating Climate and Health Objectives to Inform Clean Energy Siting in Capacity Expansion Modeling  
  Karin Wadsack, Northern Arizona University; Renewable Energy, Climate Change, and Energy Storage: Toward a Multi-pollutant Approach to Air Quality Regulation  
  Sandra Sattler, Union of Concerned Scientists; Achieving a Clean Energy Transition in Illinois: Economic and Public Health Benefits of Replacing Coal Plants with Local Clean Energy Alternatives  
  Kathryn Bills Walsh, Montana State University; Stalled Coalbed Methane Reclamation in Sheridan County, Wyoming: A Case of Environmental Cost-Shifting |  |
### Technological Innovation & Valuation
Moderator: Tammie Borders, Idaho National Laboratory

- **Grace Relf**, American Council for an Energy-Efficient Economy (ACEEE); *Valuing Distributed Energy Resources: Combined Heat and Power and the Modern Grid*
- **Eric Williams**, Rochester Institute of Technology; *Carbon Abatement Costs with Renewables Accounting for Declining Revenue and Technological Progress*
- **Haeyeon Kim**, Colorado School of Mines; *Locational Determinants of Wind Equipment Manufacturing Facilities*
- **Michelle Arnold**, Utah State University; *Biofuel Technology and Innovation in the 21st Century*

### Siting Energy Infrastructure
Moderator: Kathy Araujo, Energy Policy Institute

- **Seth Blumsack**, Penn State University; *The Costly Narrative of Fuel Security*
- **Sarah Parrish Bergquist**, Massachusetts Institute of Technology; *Backyard Voices: Community Perceptions of Large-Scale Energy Transmission Infrastructure*
- **Sanya Carley**, Indiana University; *Examining the Role of NIMBYism in Public Acceptance of Energy Infrastructure*
- **Sarah Mills**, University of Michigan; *Predicting Opposition to Windfarms Using Census Data*

### Roundtable Discussion

### International Energy Cases & Comparisons
Moderator: Stephen Miller, University of Idaho

- **Claudia Prempeh**, University of Bayreuth, Germany; *Will We Ever Be Stable? An Institutional Analysis of Ghana’s Electricity Market*
- **Paolo Davide Farah**, West Virginia University; *Hydraulic Fracturing: From the United States’ Experience to the Legal Framework in the European Union and the Member States*
- **Jongeun You**, University of Colorado; *Is the Pay for Success Approach Applicable to the Energy Poverty Issue?*

### Reception & Poster Presentations
*Boise State University Stueckle Sky Center, Gate F, North Tower*

- **Alexander Nagel**, University of Idaho; *Analyzing Dam Feasibility in the Willamette River Watershed*
- **Allison Daniel**, Oregon State University; *Climate Change and the FWE Nexus: Understanding the Influence of Environmental Beliefs on Nexus Policy Preferences*
- **Courtney Hollar**, University of Idaho; *Thermoelectric Properties of High-Performance and Flexible Cu2Se and Bi2Te3 Thin Films Fabricated by Wet-deposition Methods*
- **Evan Miller**, Boise State University; *High-throughput Pipeline to Advance Organic Solar Cells*
- **Kelli Roemer**, Montana State University; *Planning for Local Impacts of Coal Transition in the West*
- **Stefi Mitova**, University of Colorado Boulder; *Charging Shared Electric Vehicles in San Francisco with Renewables: Transportation, Energy, and Economic Feasibility Analysis*
- **Lauren Berger**, University of Colorado Boulder; *Strategies for Implementing Nederland, Colorado’s 100% Renewable Energy Pledge*

*(Submit Attendees Choice ballot by 9 PM)*

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**Friday, September 7th**

**8:00 - 9:00 AM**

Breakfast *
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<td>8:30 - 10:00 AM</td>
<td><strong>Planning for Renewable Energy</strong>&lt;br&gt;<strong>Moderator:</strong> Danny Cullenward, Near Zero&lt;br&gt;&lt;br&gt;<strong>Grace Reif,</strong> American Council for an Energy-Efficient Economy (ACEEE); <em>The Role of Energy Efficiency in a Distributed Energy Future</em>&lt;br&gt;<strong>Brady Stoll,</strong> National Renewable Energy Laboratory; <em>Contributions of Concentrating Solar Power to Future Power Needs</em>&lt;br&gt;<strong>Andrew Mills,</strong> Lawrence Berkeley National Laboratory; <em>Estimating the Value of Offshore Wind Along the United States’ Eastern Coast</em>&lt;br&gt;<strong>Will Frazier,</strong> National Renewable Energy Laboratory; <em>What Happens after the Investment and Production Tax Credits Expire? A View from the Standard Scenarios and the Annual Energy Outlook</em>&lt;br&gt;<strong>Ben Stacey,</strong> University of Michigan; <em>A Multi-State Analysis of Equity in Energy Efficiency Investments</em>&lt;br&gt;<strong>Naim Dargouth,</strong> Lawrence Berkeley National Laboratory; <em>Income Trends of Residential PV Adopters</em>&lt;br&gt;<strong>Sydney Forrester,</strong> University of Michigan; <em>Profiling Households in the Energy Efficiency Doughnut Hole</em>&lt;br&gt;<strong>Ryan Stoa,</strong> Concordia University School of Law; <em>Regulated Entities’ Adaptation to Regulatory Change and Uncertainty: A Case Study of the Clean Power Plan</em></td>
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<td>10:15 - 11:45 AM</td>
<td><strong>California Climate Policy</strong>&lt;br&gt;<strong>Moderator:</strong> Hanna Breetz, Arizona State University&lt;br&gt;&lt;br&gt;<strong>Mason Inman,</strong> Near Zero; <em>Oversupply and Banking in the Western Climate Initiative Carbon Market</em>&lt;br&gt;<strong>Nathan Parker,</strong> Arizona State University; <em>The Role of Out-of-State Renewable Natural Gas in Meeting the California Low Carbon Fuel Standard</em>&lt;br&gt;<strong>Danny Cullenward,</strong> Near Zero; <em>Cross-border Governance in Linked Carbon Markets: A Case Study of California and the Western Climate Initiative</em>&lt;br&gt;<strong>Stefan Pauer,</strong> The University of British Columbia; <em>Including Electricity Imports in California’s Cap-and-Trade Program: A Case Study of a Border Carbon Adjustment in Practice</em>&lt;br&gt;<strong>Soojin Shin,</strong> University of Delaware; <em>Smart Energy City: A Strategy to Address Economic and Environmental Needs in Large Cities</em>&lt;br&gt;<strong>Anna Karmazina,</strong> Oregon State University; <em>Energy Use Data Access and Open Innovation in Demand Response and Energy Efficiency</em>&lt;br&gt;<strong>Moataz Sheha,</strong> University of Utah; <em>An Economic and Policy Case for Proactive Home Energy Management Systems with Photovoltaics and Batteries</em>&lt;br&gt;<strong>Omar Isaac Asensio,</strong> Georgia Institute of Technology; <em>Real-time Intelligence in Emerging Electric Vehicle Infrastructure</em>&lt;br&gt;<strong>Cheryl O’Brien,</strong> Idaho State University; <em>Is Bad Performance the Answer to Saving the Nuclear Power Industry?</em>&lt;br&gt;<strong>Jamal Mamkhezri,</strong> University of New Mexico; <em>Consumer Preferences for Solar Energy: An Experimental Study</em>&lt;br&gt;<strong>Thomas Ptak,</strong> University of Idaho; <em>Rethinking Community: Analyzing the Landscape of Community Solar Through a Sense of Place</em>&lt;br&gt;<strong>Patricia Fernandez Guajardo,</strong> Oregon State University; <em>Drivers and Barriers to Sustainable Management of the Food-Energy-Water Nexus</em></td>
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<td>12:00 - 1:30 PM</td>
<td><strong>Water - Energy Nexus in the West, Plenary Session &amp; Lunch</strong>&lt;br&gt;<strong>Moderator:</strong> Emily Grubert, University of California, Berkeley&lt;br&gt;&lt;br&gt;<strong>Noel Bakhtian,</strong> Center for Advanced Energy Studies&lt;br&gt;<strong>Terry Harvill,</strong> ITC Grid Development&lt;br&gt;<strong>Dan James,</strong> Bonneville Power Administration&lt;br&gt;<strong>Rebecca O’Neil,</strong> Department of Energy &amp; Pacific Northwest National Laboratory</td>
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<td>1:45 - 3:15 PM</td>
<td><strong>Policy Implementation &amp; Public Perception</strong>&lt;br&gt;<strong>Moderator:</strong> Stephanie Lenhart, Boise State University&lt;br&gt;&lt;br&gt;<strong>Paolo Davide Farah,</strong> West Virginia University; <strong>Hydraulic Fracturing: Knowledge, Social Impacts and Participation</strong>&lt;br&gt;<strong>Gabe Chan,</strong> University of Minnesota; <strong>Sharing Benefits, Costs, and Risk in Community Shared Solar: Evidence from 100 Minnesota Subscription Contracts</strong>&lt;br&gt;<strong>Temis Gardner Taylor,</strong> Utah State University; <strong>Public Discourse, Public Lands: Unconventional Resources and Perceptions of Risk</strong>&lt;br&gt;<strong>Cheryl O’Brien,</strong> Idaho State University; <strong>Nuclear Power Lessons from California: How Expansion of Scope Led to Shutdown of the Industry</strong>&lt;br&gt;&lt;br&gt;<strong>Costs &amp; Consequences of Wake Effects with Wind Energy</strong>&lt;br&gt;<strong>Moderator:</strong> KK DuVivier, University of Denver&lt;br&gt;&lt;br&gt;<strong>Roundtable Discussion</strong>&lt;br&gt;<strong>Troy Rule,</strong> Arizona State University; <strong>The Economics of Wind Turbine Wakes</strong>&lt;br&gt;<strong>Jessica Tomaszewski,</strong> University of Colorado; <strong>Quantifying Wake Impacts on Downwind Wind Farms Using Atmospheric Models</strong>&lt;br&gt;<strong>Amy Jones,</strong> University of Denver; <strong>Legal Approaches for Recognizing and Accommodating Wind Rights</strong>&lt;br&gt;&lt;br&gt;<strong>Power Systems</strong>&lt;br&gt;<strong>Planning &amp; Operations</strong>&lt;br&gt;<strong>Moderator:</strong> Wesley Cole, National Renewable Energy Laboratory&lt;br&gt;&lt;br&gt;<strong>Juan Pablo Carvallo,</strong> Lawrence Berkeley National Laboratory; <strong>The Use of Market Transactions in Vertically Integrated US Electric Utilities</strong>&lt;br&gt;<strong>Rebecca Langer,</strong> Oregon State University; <strong>Uniting the West to Save Renewables: Impacts of an Energy Imbalance Market in the Pacific Northwest</strong>&lt;br&gt;<strong>Sylwia Bialek,</strong> New York University; <strong>Accounting for Load and Supply Seasonality in the Design of Capacity Markets</strong>&lt;br&gt;<strong>Naga Srujana Goteti,</strong> Rochester Institute of Technology; <strong>Stochastic versus Deterministic Grid-Evolution Models: Case Study on the Midwest US Region</strong></td>
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