Resource Adequacy in the West: Evolution and Growth in a Period of Transition

A Northwestern Electricity Dialogue Webinar

Northwestern Pritzker School of Law

Friday, December 11, 2020

8:45 a.m. - 12:00 p.m. PST
10:45 a.m. - 2:00 p.m. CST

Times listed below are CST.

Resource Adequacy has historically been assured by a load serving entity’s demonstration that it owns or controls adequate generation to reliably meet peak demand, plus a margin, on its peak day. For many, not all, that would be a hot summer day. Regions with shared resource adequacy programs enjoy improved system reliability at reduced cost as the risk of system failure is lessened through mutual support. Regional resource adequacy programs also have the potential to assist with ensuring state energy policy goals are integrated with resource adequacy requirements. While geographically broad resource adequacy constructs are common in RTO/ISO environments, it is not the norm in the west outside California. However, regional resource adequacy has become one of the most pressing topics of discussion in the west as the region works to assure reliability in times of great change in the generation resource mix. This webinar will explore the dialogue among stakeholders as well as the regulatory issues associated with the evolving vision of regional resource adequacy in the west. What are the necessary components of a resource adequacy program, who administers such a program, how are participants held to their obligations, and how would the program impact utilities and customers?

10:45-11:00 a.m. Welcome
- Elizabeth Kronk Warner, Dean, S.J. Quinney College of Law, University of Utah
- Thad LeVar, Commission Chair, Utah Public Service Commission

11:00-11:30 Opening Keynote
- Elliot Mainzer, President and Chief Executive Officer, California Independent System Operator (ISO)
Session One — How might Resource Adequacy Transform in the West?

The changing generation mix has prompted discussions about resource adequacy across the country to continue to support reliable and resilient service. In the west there are active discussions about issues related to a common definition of resource adequacy as it would be applied to a large geographic footprint. The topic has emerged as a high priority for WECC as well as for states and related stakeholder groups. How might resource adequacy change in the future? Who will manage a new resource adequacy program and how? How will differences among utility business models to be addressed? Will a new construct be compatible the existing regime in California?

- **Moderator: Jordan White**, Vice President of Strategic Engagement and Deputy General Counsel, WECC
- **Brad Albert**, Vice President, Resource Management, APS (Desert SW)
- **Sarah Edmonds**, Director of Transmission Services & Reliability, Portland General Electric
- **Jennifer Gardner**, Consultant, Envision Energy, LLC
- **Mark Holman**, Managing Director, Powerex

Session Two — State Response

States in the west have established a variety of economic and energy policy positions that are increasingly aligned directionally but differ in the details of implementation. How will states address issues of reliability and resilience as they manage evolution of their generation portfolio and decarbonization goals? How will states work together to achieve their policy goals while ensuring reliable and cost-effective service? A broader set of common resource adequacy principles and metrics can be cost-effective, but will they be accepted? How will the significant differences between investor owned and public utilities be accommodated?

- **Moderator: Susan Ackerman**, Chief Energy Officer, Eugene Water & Electric Board
- **Megan Decker**, Chair, Oregon Public Utility Commission
- **Kara Fornstrom**, Chairman, Wyoming Public Service Commission
- **Thad LeVar**, Commission Chair, Utah Public Service Commission
- **Kristine Raper**, Commissioner, Idaho Public Utilities Commission

Participants *(as of December 2, 2020)*

1. **Susan Ackerman**, Chief Energy Officer, Eugene Water & Electric Board
2. **Brad Albert**, Vice President, Resource Management, APS (Desert SW)
3. **Megan Decker**, Chair, Oregon Public Utility Commission
4. **Sarah Edmonds**, Director of Transmission Services & Reliability, Portland General Electric
5. **Kara Fornstrom**, Chairman, Wyoming Public Service Commission
7. Mark Holman, Managing Director, Powerex
8. Thad LeVar, Commission Chair, Utah Public Service Commission
9. Elliot Mainzer, President and Chief Executive Officer, California Independent System Operator (ISO)
10. Kristine Raper, Commissioner, Idaho Public Utilities Commission
11. Elizabeth Kronk Warner, Dean, S.J. Quinney College of Law, University of Utah
12. Jordan White, Vice President of Strategic Engagement and Deputy General Counsel, WECC

Registrants (as of December 2, 2020)

1. Grant Anderson, Regulatory Analyst, Idaho power
2. Ken Anderson, former PUCT Commissioner
3. Alison Archer, Regional Director- State Regulatory Affairs, MISO
4. Vicki Baldwin, Shareholder, PB&L
5. Janice Beecher, Director, IPU, Michigan State University
6. Matthew Beltz, Director Origination, EDF Renewables
7. Carrie Bentley, CEO, Gridwell Consulting
8. Anders Bisgard, Director, WECC Interconnection, Avangrid Renewables
9. Noel Black, Vice President, Federal Legislative Affairs, Southern Company
10. Pam Bonrud, Director Government & Regulatory Affairs, NorthWestern Energy
11. Shelly Botkin, Commissioner, Public Utility Commission of Texas
13. Cameron Brooks, President, E9 Insight
16. Tony Clark, Sr. Advisor, Wilkinson Barker Knauer
17. Sarah Cronin, Commissioner's Assistant, Illinois Commerce Commission
18. Stacey Crowley, Vice President External and Customer Affairs, California ISO
19. Nelli Doroshkin, Capital Power
20. Terri Eaton, Sr. Director Federal Regulatory Affair, Xcel Energy
22. Edward Garvey, Regulatory Strategist, AESL Consulting
23. Orijit Ghoshal, Director, Regulatory Affairs, Invenergy
24. Paul Goralski, Senior Regulatory Analyst, Idaho Power
25. Kevin Gunn, Principal, Paladin Energy Strategies
26. Marcus Hawkins, Executive Director, Organization of MISO States
27. Christina Hayes, Vice President, BHE
28. **Pat Hayes**, Manager of Transmission Policy, LS Power
29. **Tom Haymaker**, Manager, Energy Planning, Clark Public Utilities
30. **Jeff Henderson**, Associate Director - Marketing, Communications, and Education
   Institute for Sustainability and Energy at Northwestern (ISEN)
31. **Jame Huang**, Energy Markets Policy Group, Con Edison
32. **Philip Jones**, Executive Director, Alliance for Transportation Electrification (ATE)
33. **Christopher Kennedy**, Partner, Whitt Sturtevant LLP
34. **Scott Kinney**, Director Power Supply, Avista Corp
35. **Mark Klein**, Chief Operating Officer, Broad Reach Power LLC
36. **Colleen Konetzke**, Kellogg School of Management, Northwestern University
37. **Jonghwan Kwon**, Energy Systems Engineer, Argonne National Lab
38. **Matthew Larson**, Partner, Wilkinson Barker Knauer
39. **Matt Lecar**, Principal, PG&E
41. **Etta Lockey**, Vice President, PacifiCorp
42. **Robin Lunt**, Chief Strategy Officer, Guzman Energy
43. **Ivy Lyn**, Director, State Regulatory Affairs, EEI
44. **Gene Marini**, Senior Originator, (PSCo) Xcel Energy
45. **Sophia Markowska**, Office of Retail Market Development, Illinois Commerce Commission
46. **Jessica Matthys**, Kellogg School of Management, Northwestern University
47. **Natalie McIntire**, Consultant
48. **Theresa McMillan-Sepkoski**, Audit Specialist, Michigan Public Service Commission
49. **Jena Merl**, Advisor, Illinois Commerce Commission
50. **Michael Miller**, Associate, Wilkinson Barker Knauer
51. **Jeff Morris**, Senior Director State Government Relations, Schneider Electric North America
52. **Jennifer Murphy**, Dir. of Energy Policy, NARUC
53. **Bob Nelson**, Consumer Counsel, Montana Consumer Counsel
54. **Kelley Noe**, Regulatory Analyst, Idaho Power
55. **Anthony O'Donnell**, Commissioner, Montana Public Service Commission
56. **Megan O'Reilly**, Regulatory Assistance Project
57. **Katie Papadimitriu**, Deputy Executive Director – Policy, Illinois Commerce Commission
58. **Bennett Peterson**, Northwestern University
59. **Mike Pezone**, Principal, ISO & FERC Relations - Regulatory Affairs, Pacific Gas and Electric Company
60. **Marji Philips**, VP, Wholesale Market Policy, LS Power
61. **Tetyana Rabczak**, Legal Advisor to Chairman, Illinois Commerce Commission
62. **Jay Rasmussen**, RTO Activities Manager, Duke Energy
64. **Brian Rybarik**, Program Manager, Microsoft Corporation
65. Cameron Schilling, Vice President of Market Strategies and Regulatory Affairs, National Hydropower Association
66. Jessica Shipley, Senior Associate, Regulatory Assistance Project
67. Lucas Smith, Student, Northwestern University
68. Shinjini Srivastava, Kellogg School of Management, Northwestern University
69. Tyler Stoff, Director of Regulatory Affairs, American Council on Renewable Energy
70. Mark Thompson, Commissioner, Oregon Public Utility Commission
71. Julie Voeck, Senior Director, Legislative & Regulatory Affairs, NextEra Energy Resources
72. Josh Walter, Supervising Strategic Advisor, Seattle City Light
73. Carolyn Wetterlin, Senior Manager, Regional. Transmission Policy, Xcel Energy (Northern States Power Company)
74. Alison Williams, Regulatory Policy & Strategy Advisor, Idaho Power
75. Dan Williams, Director - Market IQ West, Customized Energy Solutions