

THE INSTITUTE FOR REGULATORY LAW & ECONOMICS and
THE PAULA M. TRIENENS INSTITUTE FOR SUSTAINABILITY AND ENERGY PRESENT



NORTHWESTERN RESEARCH SYMPOSIUM

Integrating Science and Law & Economics to
Inform Energy Policy in a Decarbonized Future

JUNE 25-26 | CHICAGO, IL

Tuesday, June 25 — Wednesday, June 26, 2024

Northwestern Pritzker School of Law

Thorne Auditorium

375 E. Chicago Avenue

Chicago, IL 60611

Tuesday, June 25, 2024

11:00-12:15 **Registration Check-in and Informal Lunch** (*Lanny & Sharon Martin Atrium*)

12:15-12:30 **Welcome and Opening Remarks** (*Thorne Auditorium*)

Lynne Kiesling, Director, Institute for Regulatory Law & Economics; Senior Research Affiliate, Northwestern Center on Law, Business, and Economics

Jeff Henderson, Associate Director of Marketing, Communication, and Education, Paula M. Trienens Institute for Sustainability and Energy, Northwestern University

Hari Osofsky, Dean and Myra and James Bradwell Professor of Law; Professor of Environmental Law and Culture (Courtesy), Northwestern Pritzker School of Law

12:30-2:00 **Panel: New Technology Breakthroughs: Their Physical and Economic Implications** (*Thorne Auditorium*)

Moderator: **Ted Thomas**, Founder, Energize Strategies; Former Chairman of the Arkansas Public Service Commission

Panelists: **Meghan Busse**, Associate Professor of Strategy, Kellogg School of Management, Northwestern University

Holly Benz, Clinical Associate Professor & Director, Master

of Science in Energy & Sustainability (MSES), Northwestern University

Jeff Lopez, Assistant Professor of Chemical & Biological Engineering, Northwestern University

Jana Gerber, President, Microgrid North America, Schneider Electric

2:00-2:40 **Active Break** (*Lanny & Sharon Martin Atrium*)

2:40-3:15 **Report Out/Discussion from Active Break** (*Thorne Auditorium*)

3:15-4:15 **IRLE 20th Anniversary Panel: Regulatory Decision-Making in a Changing Environment** (*Thorne Auditorium*)

Moderator: **Pat O'Connell**, Commissioner, New Mexico Public Service Commission

Rim Baltaduonis, Scientist. SLAC National Accelerator Laboratory, Stanford University; Associate Professor of Economics, Gettysburg College

Lynne Kiesling, Director, Institute for Regulatory Law & Economics; Senior Research Affiliate, Northwestern Center on Law, Business, and Economics

Josh Macey, Assistant Professor of Law, University of Chicago Law School

Ken Schisler, Regulatory and Government Affairs, CPower

Carrie Zalewski, Vice President, Transmission and Markets, American Clean Power Association

4:15-4:30 **Break** (*Thorne Lobby*)

4:30-5:00 **Keynote Address: *Title Forthcoming*** (*Thorne Auditorium*)

U.S. Congressman Sean Casten, 6th District of Illinois (*virtual*)

5:00 **Networking Reception** (*Harry's Café and Terrace*)

6:00 **Dinner** (*Lanny & Sharon Martin Atrium*)

6:45 **Dinner Keynote Conversation** (*Lanny & Sharon Martin Atrium*)

Pat Wood, III, CEO, Hunt Energy Network; Former Chairman of the Federal Energy Regulatory Commission, Former Chairman of the Public Utility Commission of Texas

Lynne Kiesling, Director, Institute for Regulatory Law & Economics; Senior Research Affiliate, Northwestern Center on Law, Business, and Economics

Wednesday, June 26, 2024

7:30-8:30 **Breakfast** (*Lanny & Sharon Martin Atrium*)

8:30-9:45 **Science, Economics, and Policy Lenses on Transmission Investment**
(*Thorne Auditorium*)

Moderator: **Ann McCabe**, Commissioner, Illinois Commerce Commission

Panelists: **Jacob Mays**, Assistant Professor, Civil and Environmental Engineering, Cornell University

Karthik Rao, VP of Customer Success, LineVision

Jim Rossi, Judge D.L. Lansden Chair in Law, Vanderbilt University Law School

Shashank Sane, EVP Transmission, Invenergy

9:45-10:00 **Break** (*Thorne Lobby*)

10:00-10:45 **Energy System Resilience Issues Short Presentations** (*Thorne Auditorium*)
(*10 minutes each*)

- **Winter Reliability**

- **Timothy Fitzgerald**, Associate Professor, Rawls College of Business, Texas Tech University

- **Energy and AI**

- **Kyri Baker**, Assistant Professor and Lewis-Worcester Faculty Fellow, Civil, Environmental, and Architectural Engineering, University of Colorado Boulder

- **Energy-Water Nexus**

- **David Rankin**, Executive Director, Great Lakes Protection Fund

- **Grid Decarbonization/Complex System Dynamics**

- **Ermin Wei**, Associate Professor, Computer and Electrical Engineering, McCormick School of Engineering, Northwestern University

10:45-11:15

Small Group Breakout Discussion of Resilience

(Lanny & Sharon Martin Atrium)

- **Winter Reliability**
- **Energy and AI**
- **Energy-Water Nexus**
- **Grid Decarbonization/Complex System Dynamics**

1:15-11:45

Report Out/Discussion from Small Groups *(Thorne Auditorium)*

(5 minutes each)

11:45-12:00

Closing Summary *(Thorne Auditorium)*

12:00

Adjourn

Confirmed Participants *(as of June 25, 2024):*

1. **Kyri Baker**, Assistant Professor and Lewis-Worcester Faculty Fellow, Civil, Environmental, and Architectural Engineering, University of Colorado Boulder *(H)*
2. **Rim Baltaduonis**, Scientist, SLAC National Accelerator Laboratory, Stanford University, Associate Professor of Economics, Gettysburg College, SLAC National Accelerator Laboratory, Stanford University and Gettysburg College *(F)*
3. **Holly Benz**, Clinical Associate Professor & Director, Master of Science in Energy & Sustainability (MSES), Northwestern University *(E)*
4. **Meghan Busse**, Associate Professor of Strategy, Kellogg School of Management, Northwestern University *(E)*
5. **Sean Casten**, U.S. Congressman, 6th District of Illinois *(virtual Keynote Address)*
6. **Timothy Fitzgerald**, Associate Professor, Rawls College of Business, Texas Tech University *(E)*
7. **Jana Gerber**, President, Microgrid North America, Schneider Electric *(G)*
8. **Lynne Kiesling**, Director, Institute for Regulatory Law & Economics; Senior Research Affiliate, Northwestern Center on Law, Business, and Economics, Institute for Regulatory Law & Economics *(D)*
9. **Jeff Lopez**, Assistant Professor of Chemical & Biological Engineering, Northwestern University *(D)*
10. **Josh Macey**, Assistant Professor of Law, The University of Chicago Law School *(G)*
11. **Jacob Mays**, Assistant Professor, Civil and Environmental Engineering, Cornell University *(A)*
12. **Ann McCabe**, Commissioner, Illinois Commerce Commission *(A)*
13. **Pat O'Connell**, Commissioner, New Mexico Public Service Commission *(E)*

14. **Hari Osofsky**, Dean and Myra and James Bradwell Professor of Law; Professor of Environmental Policy and Culture (courtesy), Northwestern Pritzker School of Law (J)
15. **David Rankin**, Executive Director, Great Lakes Protection Fund (G)
16. **Karthik Rao**, VP of Customer Success, LineVision (J)
17. **Jim Rossi**, Judge D.L. Lansden Chair in Law, Vanderbilt University Law School (J)
18. **Shashank Sane**, EVP Transmission, Invenergy (H)
19. **Ken Schisler**, Regulatory and Government Affairs, CPower (F)
20. **Ted Thomas**, Founder, Energize Strategies, Former Chairman of the Arkansas Public Service Commission (B)
21. **Ermin Wei**, Associate Professor, Computer and Electrical Engineering, McCormick School of Engineering, Northwestern University (H)
22. **Pat Wood III**, CEO, Hunt Energy Network, Former Chairman of the Federal Energy Regulatory Commission, Former Chairman of the Public Utility Commission of Texas (G)
23. **Carrie Zalewski**, Vice President, Transmission and Markets, American Clean Power Association (D)

Registered Attendees (as of June 25, 2024):

24. **Isabelle Abbott**, Advisor, Illinois Commerce Commission (D)
25. **Julianne Beck**, Assistant Director of Marketing and Communications, Paula M. Trienens Institute for Sustainability and Energy, Northwestern University (D)
26. **Maria Fernanda Caminha Bello**, Undergraduate Student, Northwestern University (G)
27. **Noah Berman**, Advisor, Illinois Commerce Commission (F)
28. **Vanessa Buenconsejo**, Secretary to Officer, Metropolitan Water Reclamation District of Greater Chicago (J)
29. **Nathan Carrier**, Advisor, Illinois Commerce Commission (B)
30. **Parth Chatwani**, Northwestern University (F)
31. **John Cooper**, Intern, Illinois Commerce Commission (H)
32. **Nicholas Dreher**, Advisor, Illinois Commerce Commission (C)
33. **Stella Fors**, PhD Candidate, Northwestern University (E)
34. **Demetria Giannisis**, Senior Managing Director, Paula M. Trienens Institute for Sustainability and Energy, Northwestern University (C)
35. **Dawson Grimes**, Northwestern University (H)
36. **Varun Gupta**, Visiting Associate Professor, Kellogg School of Management, Northwestern University (F)
37. **Cassandra Hadwen**, Advisor, Illinois Commerce Commission (G)
38. **Robert Haggart**, Advisor, Illinois Commerce Commission (D)
39. **Rebecca Harris**, Northwestern University (E)
40. **Jack Hegarty**, PhD candidate, Northwestern University (A)
41. **Jeff Henderson**, Assoc Dir of Marketing, Communication, and Education, Paula M. Trienens Institute for Sustainability and Energy, Northwestern University (B)
42. **Katherine Hsu**, J.D. Student, Northwestern Pritzker School Law (C)
43. **Kimberly Johnston**, CEO, NextGen Energy Partners (B)
44. **Elias Kallon**, PhD Candidate, Northwestern University (D)
45. **Minjung Kim**, PhD Candidate, Northwestern University (F)
46. **William Kling**, Assistant Director/Adjunct Professor, DePaul University (C)
47. **Zoe Lanier**, Advisor, Illinois Commerce Commission (E)
48. **Alex Lee**, Director, Northwestern Center on Law, Business, and Economics; Professor of Law, Northwestern Pritzker School of Law (B)
49. **Wenden Liu**, Northwestern Pritzker School Law (D)
50. **Niall Mangan**, Assistant Professor, Northwestern University (J)
51. **Kelly Matuszewski**, PhD Student, Northwestern University (B)
52. **Julia Mayes**, Research Assistant, Northwestern University (G)

53. **Katherine McMahon**, Policy Analyst, Alliance for Sustainable Energy, LLC (C)
54. **Kayna Mendoza Trujillo**, Metallurgical and Materials Engineer | PhD Candidate, Northwestern University (C)
55. **Claire Miller**, Microgrid Solutions Architect, Schneider Electric (C)
56. **Abigail Miner**, Sr Program Specialist, Office of the Illinois Attorney General (G)
57. **Sarah Moskowitz**, Executive Director, CUB Illinois (F)
58. **Charles Murphy**, Assistant Attorney General, Office of the Illinois Attorney General (F)
59. **Taylor Nchako**, Climate and Clean Energy Fellow, Northwestern Pritzker School of Law (J)
60. **Emma-Rose Newmeyer**, PhD candidate, Northwestern University (H)
61. **Mark Noll**, PhD Candidate, Northwestern University (J)
62. **Morgan O'Brien**, Executive Chairman, Anterix (E)
63. **Jeffrey Odom**, Business Unit Manager, Northwestern Pritzker School of Law, RW Beckett Corporation (C)
64. **John O'Donnell-Sloan**, Graduate Student, Northwestern University (H)
65. **Souhardya Pal**, Graduate Student, Northwestern University (A)
66. **Bahadar Panhwar**, Northwestern Pritzker School Law (E)
67. **Kyle Pfeiffer**, Director, Research and Development / Program Lead, Argonne in Chicago, Argonne National Laboratory (D)
68. **Alexander Polzin**, Clinical Assistant Professor; Deputy Director, MS in Energy & Sustainability, Northwestern University (G)
69. **Tetyana Rabczak**, Adjunct Professor of Law, Northwestern Pritzker School of Law (A)
70. **Conrad Reddick**, Commissioner, Illinois Commerce Commission (J)
71. **Elodie Sandraz**, PhD Candidate, Northwestern University (G)
72. **Doug Scott**, Chairman, Illinois Commerce Commission (B)
73. **Jenny Shen**, Manager, Analysis Group (A)
74. **Benjamin Shindel**, PhD candidate, Northwestern University (H)
75. **Shelby Smith**, Assistant Attorney General, Office of the Illinois Attorney General (J)
76. **Jenna Spray**, Communications Specialist, Paula M. Trienens Institute for Sustainability and Energy (A)
77. **Kimberly Marion Suiseeya**, Associate Professor, Department of Political Science, Environmental Policy & Culture Program, Northwestern University (B)
78. **Molly Sun**, Northwestern University (C)
79. **Michael Thuis**, Ph.D. Candidate, Northwestern University (A)
80. **Jennifer Tzeng**, Northwestern University (B)
81. **Ann Vertovec**, Attending Physician, Clinical Assistant Professor, Northwestern University (H)
82. **Maggie Waldron**, Senior Associate Director, Corporate Engagement, Northwestern University (F)
83. **Jameson Walker**, Student, Loyola University Chicago (B)
84. **Julia Ward**, Advisor, Illinois Commerce Commission (C)
85. **Robert Weinstock**, Director, Environmental Advocacy Center, Northwestern Pritzker School of Law (A)
86. **Sara Yen**, Student, Environmental Science and Environmental Policy, Northwestern University (J)