Multi-Value Transmission Projects and Lessons for Transmission Planning

A Northwestern Electricity Dialogue Webinar
Northwestern Pritzker School of Law

Tuesday, October 26, 2021
8:45 a.m. – 12:00 p.m. CDT
9:45 a.m. – 1:00 p.m. EDT
Times listed below are CDT.

There is growing recognition that more transmission is needed throughout the country to enable the transition of the generation fleet, allow for interconnection of renewables, preserve reliability, enhance resilience, and of course to allow for the lowest cost delivered electricity. On June 17, 2021, the FERC announced, with NARUC, the creation of a joint federal-state task force on electric transmission to find a way to promote, encourage, and encourage transmission development.

This Dialogue will address the transmission issues from multiple angles. It starts with a Big Picture, national perspective; then moves to a review of the MVP Transmission process from key participants and the experience and lessons they learned from being part of the at successful effort. It closes with a discussion among regulators coping with today’s transmission issues.

In the summer of 2004, a group of utilities in the Upper Midwest came together to promote transmission development. They called themselves CapX2020 for Capacity Expansion Needed by 2020. On September 18, 2008, the governors of Iowa, Minnesota, North Dakota, South Dakota, and Wisconsin collectively announced a joint transmission planning effort designed to promote regional electric transmission investment and cost sharing. They called it the Upper Midwest Transmission Development Initiative (UMTDI) whose goal, according to then-Minnesota Governor Tim Pawlenty, was to “identify wind generation resources, transmission projects and infrastructure needed to support those resources in a cost-effective manner...and...determine a reasonable allocation for the costs of the region and will lead to the development of a concrete plan or tariff proposal for the Midwest Independent Transmission System Operator (MISO).”

On July 15, 2010, MISO filed its MVP Transmission tariff with FERC. That filing was both the culmination of the CapX2020 and UMTDI transmission planning processes, combined with the arduous OMS-led Cost Allocation and Regional Planning (CARP) effort. That MISO tariff facilitated roughly $7 Billion of new transmission investment in 17 transmission projects throughout the Midwest.

8:45-9:00 a.m.  Welcome  Carrie Zalewski, Chair, Illinois Commerce Commission

9:00-10:00  Keynote Addresses

Moderator: Carrie Zalewski, Chair, Illinois Commerce Commission
• Richard Glick, Chair, Federal Energy Regulatory Commission
• Philip D. Moeller, Executive Vice President, Business Operations Group and Regulatory Affairs, Edison Electric Institute (EEI)

10:00-11:00

Session One — MVPs: Lessons Learned from A Transmission Planning Success Story
This Panel will describe the good, bad, and ugly of the process that led to creation of the Multi-Value Transmission Projects in the MISO footprint from people who were intimately involved in that multiyear process.

Eric J. Callisto, Partner, Michael Best & Friedrich LLP (Wisconsin PSC 2008 – 2015)
Tony Clark, Senior Advisor, Wilkinson Barker Knauer LLP (North Dakota PSC 2001 – 2012; FERC 2012 – 2016)
Valerie Lemmie, Director of Exploratory Research, Kettering Foundation (PUC of Ohio 2006 – 2011)

11:00-12:00 p.m.

Session Two — That Was Then; This Is Now: Can the MVP Lessons Be Applied to Meet Today’s Transmission Needs?
This panel will feature regulators who are currently struggling with meeting present and future transmission needs and will discuss how the lessons of the MVP process are applicable (or not) to today’s situation.

Andrew J. French, Chairperson, Kansas Corporation Commission
Kristine Raper, Commissioner, Idaho Public Utilities Commission
Dan Scripps, Chair, Michigan Public Service Commission

12:00 p.m. Adjourn
Participants (as of October 26, 2021)
1. David Boyd, Regulatory and Policy Strategist, AESL Consulting
2. Eric J. Callisto, Partner, Michael Best & Friedrich LLP
3. Tony Clark, Senior Advisor, Wilkinson Barker Knauer LLP
4. Andrew J. French, Chairperson, Kansas Corporation Commission
5. Richard Glick, Chair, Federal Energy Regulatory Commission
6. Valerie Lemmie, Director of Exploratory Research, Kettering Foundation
7. Phil Moeller, Executive Vice President, Edison Electric Institute
8. Dan Scripps, Chair, Michigan Public Service Commission
10. Krista Tanner, SVP and Chief Business Unit Office, ITC Holdings
11. Carrie Zalewski, Chair, Illinois Commerce Commission

Registrants (as of October 26, 2021)
1. Ed Achaab, Asset Strategy, AEP
3. Kelsey Allen, Lead Engineer, Southwest Power Pool
4. Heather Anderson, Staff Attorney, SC Senate
5. Kenneth Anderson, Former PUCT Commissioner
6. Pedram Arani, FERC CAISO ANALYST, PG&E
7. Alison Archer, Regional Director, MISO
9. Vicki Baldwin, Shareholder, Parsons Behle & Latimer
10. Kim Ballard, Senior Analyst, Indiana Utility Regulatory Commission
11. William Barkasy, Rate Analyst, New Jersey Board of Public Utilities
12. James Bartridge, Program and Policy Specialist, California Energy Commission
13. Mark Bender, Advisor, Public Service Commission of Wisconsin
14. Stephen Bennett, Manager, Regulatory & Legislative Affairs, PJM
15. Adam Benshoff, VP, Regulatory Affairs, EEI
16. Deborah Birgen, Vice-President, Legislative and Governmental Relations, Missouri River Energy Services
17. Scott Bolton, SVP, Transmission Development, PacifiCorp
20. Bev Bowley, Manager Regulatory Affairs, Ameren Illinois
21. Kate Bowman, Renewable Energy Program Manager, Utah Clean Energy
22. Joe Bowring, President, Monitoring Analytics
23. Tim Brennan, Senior Fellow, Resources for the Future
24. Daryl Brown, Executive Director - External Affairs - South Region, MISO-Little Rock
25. David Brown, Engineer, NJBPU
27. Denise Buffington, Director Federal Regulatory Affairs, Evergy Companies
28. Ven Bujimalla, Deputy General Counsel, IUB
29. Kim Burton, Chief of Staff and Legal Advisor to Chairman Silvey, Missouri PSC
30. Colin Byers, Senior Campaign Coordinator, Union of Concerned Scientists
31. Tanya Capellan, Director ORMD, Illinois Commerce Commission
32. Michael Carrigan, Commissioner, Illinois Commerce Commission
33. Phillip Casey, Partner, Calfee
34. Ricardo Charles, Energy Industry Analyst, FERC
35. Theresa Christian, Sr. Corp. Strategy Manager, Exelon
36. Julie Clark, Attorney, Clark Energy Law
37. Maida Coleman, Commissioner, Missouri Public Service Commission
38. Emile Cordaro, External Affairs Manager, aep swepec
39. David Crawford, Of Counsel, Betts & Holt LLP
40. James Critchfield, Program Manager, US EPA
41. Sarah Cronin, Commissioner Assistant, ICC
42. Richard Dahl, Director of Transmission Services, Missouri River Energy Services
43. Jeff Danielson, Central States Director, American Clean Power Association
44. Eric Dearmont, Director, Ameren
45. Megan Decker, Commission Chair, Oregon PUC
46. Scott Defendorfer, Principal Engineer, Ameren
47. Joseph DeLosa, Bureau Chief, Federal and Regional Policy, New Jersey Board of Public Utilities
48. Jeff Dodd, Senior Director - Transmission Policy & Stakeholder Relations, Ameren
49. Jeremiah Doner, Director, Economic and Policy Planning, MISO
50. Brian Drumm, Director, Regional Policy, ITC
51. Scott Drzycimski, Director - Public Affairs, ITC Midwest
52. Maisha Earl, Regulatory Affairs Manager, ComEd
53. Eric Eisenman, Director, FERC & ISO Relations, Pacific Gas & Electric Company
54. Matt Ellis, Regional Transmission Program Manager, Great River Energy
55. Abigail Emery, Paralegal, Kansas Corporation Commission
56. Robert Endris, Associate General Counsel, Otter Tail Power Company
57. Christine Ericson, Federal Energy Counsel, Illinois Commerce Commission
58. Linda Evers, Shareholder, Stevens & Lee
59. Jeff Ewart, Deputy Director, Midwestern Governors Association
60. Joseph Fallah, Policy Advisor, Illinois Commerce Commission
61. John Feeley, Staff Attorney ICC, Illinois Commerce Commission
63. Trevor Freberg, Transmission Reliability Planning Engineer, ComEd
64. Al Freeman, Assistant to Division Director, Michigan Public Service Commission
65. Edward Garvey, Regulatory Strategist, AESL Consulting
66. Larry Gasteiger, Executive Director, WIRES
67. Bruce Gerhardson, VP Regulatory Affairs, Otter Tail Power Company
68. Glenda Gibson, Manager, Regulatory Compliance, NorthWestern Energy
69. James Gignac, Senior Midwest Energy Analyst, Union of Concerned Scientists
70. Suzanne Glatz, Director, Strategic Initiatives and Interregional Planning, PJM Interconnection
72. Katherine Goyette, Counsel, MA DPU
73. Justin Grady, Chief of Revenue Requirements, Cost of Service and Finance, Kansas Corporation Commission
74. Jordan Graham, Policy Advisor, Illinois Commerce Commission
75. Ryan Granholm, Staff Attorney, Illinois Commerce Commission
76. Richard Griffin, Associate, Latham & Watkins
77. Emma Guilfoil, Senior Analyst, ScottMadden Inc.
78. Justin Gundlach, Senior Attorney, Institute for Policy Integrity at NYU School of Law
79. Glenn Haake, Special Counsel, New York Power Authority
80. Daniel Hall, Central Region Senior Director, Electricity and Transmission Policy, ACPA
82. James Harmening, Director of Cybersecurity and Risk Management, Illinois Commerce Commission
83. **Matt Harris**, Lead Assistant General Counsel, Xcel Energy Services Inc.
84. **Marcus Hawkins**, Executive Director, OMS
85. **Christina Hayes**, VP, Fed Reg Affairs, BHE
86. **Pat Hayes**, Manager of Transmission Policy, LS Power
87. **Ryan Heater**, Chief of Staff, Indiana Utility Regulatory Commission
88. **Stacie Hebert**, Manager, FERC/RTO Policy, Otter Tail Power Company
89. **Erik Heinele**, APC, DC OPC
90. **Jessica Hendricks**, State Policy Director, The Alliance for Affordable Energy
91. **Mary-Anna Holden**, Commissioner, NJ Board of Public Utilities
92. **Cynthia Holland**, Assistant General Counsel, Exelon
93. **Amber Housholder**, Regulatory Affairs Manager, Eversy
94. **Cullen Howe**, Senior Attorney, NRDC
95. **Tyler Huebner**, Commissioner, Public Service Commission of Wisconsin
96. **Kevin Huyler**, Director, National Grid
97. **Brian Isom**, Research Manager, The Center for Growth and Opportunity
98. **Diana James**, Regulatory Consilt, SWIEPCO
100. **Graham Jesmer**, Regulatory Counsel, ISO New England
101. **Jared Jevons**, Litigation Counsel, Kansas Corporation Commission
102. **David Johnston**, Chief Technical Advisor, Indiana Utility Regulatory Commission
103. **Philip Jones**, Executive Director, Alliance for Transportation Electrification
104. **Ben Kaldunski**, Public Policy Analyst, Public Service Commission of Wisconsin
105. **Christopher Kennedy**, Partner, Whitt Sturtevant LLP
106. **Brad Klein**, Senior Attorney, ELPC
107. **Mark Klein**, Chief Operating Officer, Broad Reach Power LLC
108. **Joshua Kmiec**, Director, ScottMadden, Inc.
109. **Ryan Kohler**, Director, Office of Regional Markets, Public Service Commission of Wisconsin
110. **Jonghwan Kwon**, Energy Systems Engineer, Argonne National Laboratory
111. **Clay Layson**, Assistant Attorney General, AR Attorney General's Office
112. **Matt Lecar**, Principal, PG&E
113. **Brett Leopold**, President, ITC Great Plains
115. **Shelby Linton Keddie**, Sr. Director, State Energy and Regulatory Policy, EEI
116. **Nicole Luckey**, Senior Vice President, Regulatory Affairs, Invenergy LLC
117. **Ivy Lyn**, Director, State Regulatory Affairs, EEI
118. **Kavita Maini**, Principal, Midwest Industrial Customers
119. **Sophia Markowska**, market Associate, ICC
120. **Chris Martel**, Regulatory Consultant, SWIEPCO
121. **James Martin**, Student, Kellogg School of Management, Northwestern University
122. **Carly Masenthin**, Litigation Counsel, Kansas Corporation Commission
123. **Rodney Massman**, Asst Gen Counsel, MOPSC
124. **Daryl Maxwell**, Department Manager, Manitoba Hydro
125. **Ann McCabe**, US Program Director and Principal, Regulatory Assistance Project (Providence, RI)
126. **Janna McCardel**, Analyst, Indiana Utility Regulatory Commission
127. **Jeff McClanahan**, Director - Utilities Division, Kansas Corporation Commission
128. **Kate McCormick**, Assistant Director, Policy, Illinois Commerce Commission
129. **Natalie McIntire**, Consultant, Clean Grid Alliance
130. **Sri Medicherla**, Engineer, NJ BPU
Scott Miller, Executive Director, Western Power Trading Forum
John Miller, Energy Industry Analyst, Federal Energy Regulatory Commission
David Moeller, Senior Attorney & Director of Regulatory Compliance, ALLETE
Sonia Morgan, Rate Manager, AEP-SWPCO
Meagan Morley, Staff Attorney, Office of General Counsel, Illinois Commerce Commission
Lindsay Mouw, Policy Associate, Center for Rural Affairs
Tony Mugera, Economist, Illinois Commerce Commission
Jennifer Murphy, Dir. of Energy Policy, NARUC
Neeharika Naik-Dhungel, Program Manager, U.S. EPA
Chris Nelson, Commissioner, SD PUC
Liam Noailles, Manager, Federal Regulatory Affairs, Xcel Energy Inc.
Ellen Nowak, Commissioner, Public Service Commission of Wisconsin
Stacy Nowak, Utility Analyst, Indiana Utility Regulatory Commission
Erin O'Connell-Diaz, President, FutureFWD, Inc.
Kim O'Guinn, Commissioner, Arkansas Public Service Commission
Matthew Olsen, Mgr, Regulatory Proceedings and Compliance, Otter Tail Power Co.
Christopher Oprysk, environmental engineer, NJ BPU
Katie Otterbeck, Associate Attorney, Wilkinson Barker Knauer
Nikodem Panczewicz, Student, Northwestern University
Katie Papadimitriu, Deputy ED-Policy, ICC
Lopa Parikh, Senior Director, EEI
Rushi Patel, Sr. Analyst, Metroplex Energy
Matt Pawlowski, Executive Director - Business Management, NextEra Energy Resources, LLC
Audrey Penner, Market Access, Manitoba Hydro
Katherine Peretick, Commissioner, Michigan Public Service Commission
Tom Petersen, Director - Marketing & Communications, ITC
Bennett Peterson, Consultant, Guidehouse
Matt Prorok, Sr Policy Manager, Great Plains Institute
Tetyana Rabeczak, Chairman Legal Advisor, Illinois Commerce Commission
Steve Rakow, Analyst Coordinator, Minnesota Department of Commerce
Christopher Randall, Director, Federal Regulatory Affairs, EEI
Jay Rasmusson, Wholesale Markets and Transmission Policy Senior Manager, Duke Energy
John Ratnaswamy, Member, The Law Office of John Ratnaswamy, LLC
Kolton Ray, Illinois Commerce Commission
Ryann Reagan, Aide to the Commissioner, NJBPU
Ann Rendahl, Commissioner, Washington Utilities and Transportation Commission
Ashley Renkor, Commissioner's Assistant, Illinois Commerce Commission
Jeff Ripp, Director, Regulatory Strategy & Solutions, Alliant Energy
Jack Roback, Low Carbon and Sustainability Strategy Lead, bp
Tom Rutigliano, Sr. Advocate, NRDC
Mike Saer, Transmission Policy Program Manager, Great River Energy
Susan Satter, Chief, Public Utilities Bureau, Ofc Illinois Attorney General
David Schmitt, Legal Specialist, New Jersey Board of Public Utilities
Jeremy Schwartz, Lead Pricing Analyst, Oklahoma Gas & Electric Company
Doug Scott, Vice President, Great Plains Institute
Brian Selinger, Energy Team Leader, Iowa Economic Development Authority Iowa Energy Office
Bridget Sheehan, Staff Attorney, Illinois Commerce Commission
Katie Sieben, Chair, MN Public Utilities Commission
Drew Siebenaler, Manager, Regional Transmission Planning and Analytics, Xcel Energy
Jay Skabo, VP Elec Supply, MDU
Ben Sloan, Director of Regulatory Affairs, OMS
Robert Swook, Assistant Attorney General, Connecticut Department of Energy and Environmental Protection
Beth Soholt, Executive Director, Clean Grid Alliance
Regina Speed-Bost, Founder and Managing Partner, SB Law, PLLC
David Spence, Professor, University of Texas
Andrea Spring, Staff, FERC
Priya Sreedharan, Program Director, GridLab
Elizabeth Stephens, Regulatory Consultant, AEP/SWPCO
Marina Stever, Energy Policy Analyst, State of Missouri
Justin Stewart, Ameren
Tyler Stoff, Director of Regulatory Affairs, American Council on Renewable Energy
Dylan Stupca, Supervisor T&D Studies, Otter Tail Power Company
Chris Sturgill, Director, ScottMadden, Inc.
Haibin Sun, Director, Transmission, Exelon
Heather Svenson, RTO Strategy Manager, PSEG
Simon Tanapat-Andre, Engineer, Manitoba Hydro
Justin Tate, Commissioner, Arkansas PSC
Robert Taylor, Manager, Transmission Strategy, Exelon Utilities
Dusky Terry, President, ITC Midwest
Rob Threlkeld, Global Manager - Energy Strategy, General Motors
Ahmed Tijani, Project Manager (Renewable Energy), Sterling Bank Plc
Henry Tilghman, Principal, Tilghman Associates
Beth Trombold, Commissioner, Public Utilities Commission of Ohio
Brian Tullom, Executive Director, External Affairs North Region, MISO
William VanderLaan, Economic Analyst, Illinois Commerce Commission
Justin Vickers, Staff Attorney, ELPC
Julie Voec, Senior Director, Legislative and Regulatory Affairs, NextEra Energy Resources
John Wachtler, Energy Director, Minnesota Department of Commerce
Michael Watkins, Strategic Advisor, Seattle City Light
Quentin Watkins, Manager, ScottMadden, Inc.
Jason Weiers, Manager, Delivery Planning, Otter Tail Power Company
Carolyn Wetterlin, Senior Manager, RTO Policy, Xcel Energy (Northern States Power Company)
Rebecca West, Research Associate, Illinois Commerce Commission
Simon Whitelocke, President, ITC Michigan, ITC
Andy Witmeier, Director Resource Utilization, MISO
Hannah Wiseman, Professor, Penn State Law--University Park
Jeremi Wofford, Sr. RTO Policy Specialist, Ameren
Lynn Wolters, Rates Analyst, Otter Tail Power
Leet Wood, Analyst, Edison Electric Institute
John Wright, Assistant Attorney General, CT Attorney General
Kevin Yearington, Electric Inspector Supervisor, Iowa Utilities Board
Ryan Young, Project Manager, State of Iowa Energy Office
Michelle Zaccagnino, Sr. Manager, State Regulatory Policy, Edison Electric Institute