



**Wisconsin Public Utility Institute**  
UNIVERSITY OF WISCONSIN-MADISON

# **Regional Transmission Organization Fundamentals: Background, Purpose, Future**

***April 18-20, 2022  
DRAFT AGENDA***

***1.6 CEUs for the Full Series***

***See Individual Days below for each Day's CEUs.***

***All times are Central.***

***Will include both in-person and remote speakers and panelists.***

**Monday, April 18, 2022**  
**Background, Overview, and Transmission Planning**  
**0.6 CEUs**

Time (Central)	Session Title	Speaker(s)
8:30	Registration check-in	
8:45 – 8:55	Welcome Introductions	<b>Lori Sakk</b> <i>Director, Wisconsin Public Utility Institute</i>
8:55 – 9:00	Opening Remarks	<b>Jordan Hemaïdan</b> <i>Partner, Industry Group Chair – Energy, Michael Best &amp; Friedrich, WPUI Board Chair</i>
9:00 – 10:30	<b>Background</b> <ul style="list-style-type: none"> <li>• <b>History</b> – How and why were RTOs/Independent System Operators created? <ul style="list-style-type: none"> <li>➤ <b>Congressional Action</b></li> <li>➤ <b>Federal Energy Regulatory Commission Action (FERC)</b></li> <li>➤ <b>Different RTOs and Their Similarities/Differences</b></li> <li>➤ <b>Requirements for Participating in an RTO</b></li> <li>➤ <b>Benefits and Drawbacks of Participating in an RTO</b></li> </ul> </li> <li>• <b>RTO Functions and Coordination among RTOs</b></li> </ul>	<b>Suedeën Kelly</b> <i>Partner, Jenner &amp; Block</i>  <b>Thomas O’Neill</b> <i>Partner, Jenner &amp; Block</i>
10:30 – 10:45	Break	
10:45 – 12:15	<b>Overview</b> <ul style="list-style-type: none"> <li>• <b>Stakeholders</b> – Who are the players? What are their perspectives/interests/politics? <ul style="list-style-type: none"> <li>➤ <b>Role of Stakeholder Governance</b></li> <li>➤ <b>Influence of Stakeholders</b></li> </ul> </li> <li>• <b>Regulatory Oversight</b> – FERC, North American Electric Reliability Corporation (NERC), States, Independent Market Monitor (IMM), Courts</li> <li>• <b>Jurisdictional Overlap</b></li> </ul>	<b>Marcus Hawkins</b> <i>Executive Director, Organization of MISO States</i>
12:15 – 1:15	Lunch	
1:15 – 2:15	<b>Transmission Planning</b> <ul style="list-style-type: none"> <li>• <b>Foundational Orders</b> – FERC Order 1000, etc.</li> <li>• <b>RTOs and Functional Control of Transmission System</b></li> <li>• <b>Federal Regulation of Transmission System Rates</b></li> <li>• <b>Regional Transmission Planning</b> <ul style="list-style-type: none"> <li>➤ <b>Role of Local Transmission Owners; Transmission Owners’ Agreements</b></li> <li>➤ <b>Role of Competition</b></li> </ul> </li> </ul>	<b>Brian Drumm</b> <i>Director, Regional Policy and RTO Engagement, ITC Holdings</i>
2:15 – 2:30	Break	
2:30 – 3:30	<b>Transmission Planning</b> <ul style="list-style-type: none"> <li>• <b>Regional Transmission Planning</b> <ul style="list-style-type: none"> <li>➤ <b>Load Forecasting and Future Resource Assumptions</b></li> <li>➤ <b>Top-down vs. Bottom-up</b></li> </ul> </li> </ul>	<b>Yarrow Etheredge</b> <i>Manager, RTO Policy, Entergy</i>

	<ul style="list-style-type: none"> <li>➤ <b>Cycle-driven Reviews and Approvals – Differences among RTOs</b></li> <li>➤ <b>Evaluation of Projects</b></li> <li>➤ <b>Hierarchy of Projects</b></li> <li>• <b>Interregional Transmission Planning Process</b> <ul style="list-style-type: none"> <li>➤ <b>Evaluation of Projects</b></li> <li>➤ <b>Hierarchy of Projects</b></li> </ul> </li> </ul>	
<b>3:30 – 3:35</b>	<b>Stretch Break</b>	
<b>3:35 – 4:35</b>	<b>Transmission Planning</b> <ul style="list-style-type: none"> <li>• <b>Integration of Renewables and Generator Interconnection Process</b> <ul style="list-style-type: none"> <li>➤ <b>Level Setting</b> – What is the queue, and how does the process work?</li> <li>➤ <b>Integrating Renewables</b> – MISO</li> <li>➤ <b>Process Changes and Upcoming Updates</b></li> </ul> </li> </ul>	<b>Cynthia Crane</b> <i>Manager, MISO Regulatory Strategy, ITC Holdings</i>
<b>4:40 – 5:30</b>	<b>Welcome Reception</b>	

## Tuesday, April 19, 2022

### Markets, Resource Adequacy

0.6 CEUs

Time (Central)	Session Title	Speaker(s)
8:30 – 10:00	<b>Markets</b> <ul style="list-style-type: none"><li>• <b>Overview of Electric Markets</b><ul style="list-style-type: none"><li>➤ Capacity</li><li>➤ Day Ahead</li><li>➤ Forward</li><li>➤ Bilateral</li><li>➤ Ancillary Services</li><li>➤ Vertically Integrated/Competitive Market</li></ul></li></ul>	<b>Michael Ferris</b> <i>Professor, Department of Computer Sciences, University of Wisconsin- Madison</i>
10:00 – 10:15	<b>Break</b>	
10:15 – 11:45	<b>Markets</b> <ul style="list-style-type: none"><li>• <b>Congestion Management</b></li><li>• <b>Market Participants</b></li><li>• <b>Locational Marginal Prices (LMPs)</b><ul style="list-style-type: none"><li>➤ Energy Price, Congestion Cost, and Losses</li><li>➤ Day Ahead and Real Time LMPs</li></ul></li><li>• <b>Financial Transmission Rights (FTRs) and Auction Revenue Rights (ARRs) /Hedging</b></li></ul>	<b>Megan Wisersky</b> <i>Owner, Albion Road Group</i>
11:45 – 12:45	<b>Lunch</b>	
12:45 – 2:00	<b>Markets</b> <ul style="list-style-type: none"><li>• <b>Market Settlements</b></li><li>• <b>Market to Market</b></li></ul>	<b>Daric Moenter</b> <i>Manager – Market Settlements, Midcontinent Independent System Operator</i>
2:00 – 2:15	<b>Break</b>	
2:15 – 3:30	<b>Role of the Market Monitor</b>	<b>Joseph Bowring</b> <i>President, Monitoring Analytics</i>
3:30 – 3:40	<b>Stretch Break</b>	
3:40 – 4:30	<b>Resource Adequacy</b> <ul style="list-style-type: none"><li>• <b>Resource Adequacy Construct Overview</b></li><li>• <b>Planning Resource Auction Results</b></li><li>• <b>Resource Availability and Need (upcoming changes MISO filed with FERC)</b></li></ul>	<b>Stuart Hansen</b> <i>Advisor, Resource Adequacy, Midcontinent Independent System Operator</i>

## Wednesday, April 20, 2022

### Current Issues, Looking Forward

0.4 CEUs

Time (Central)	Session Title	Speaker(s)
8:30 – 10:00	<b>Current Issues</b> <ul style="list-style-type: none"><li>• Cost Allocation</li><li>• Resource Adequacy</li><li>• Energy Sufficiency</li><li>• Long Range Transmission Planning</li><li>• Long Range Supply Planning</li></ul>	<b>Moderator:</b> <b>Gregory Levesque</b> <i>Vice President of External Affairs and Communications, American Transmission Company</i> <b>Panelists:</b> <b>Daniel Hall</b> <i>Central Region Senior Director, Electricity &amp; Transmission, American Clean Power Association</i> <b>David Sapper</b> <i>Director of Market Intelligence, Customized Energy Solutions</i> <b>Carolyn Wetterlin</b> <i>Senior Manager, Regional Transmission Organization Policy, Xcel Energy</i> <b>Megan Wisersky</b> <i>Owner, Albion Road Group</i>
10:00 – 10:15	<b>Break</b>	
10:15 – 11:45	<b>Looking Forward</b> <ul style="list-style-type: none"><li>• Future of RTOs</li><li>• Energy Markets of the Future</li></ul>	<b>Moderator:</b> <b>Tyler Huebner</b> <i>Commissioner, Public Service Commission of Wisconsin</i> <b>Panelists:</b> <b>Stacey Crowley</b> <i>Vice President of External and Customer Affairs, California Independent System Operator</i> <b>David Maggio</b> <i>Director, Market Design &amp; Analytics, Electric Reliability Council of Texas</i> <b>Talina Matthews</b> <i>Director of State Regulatory Policy, Southwest Power Pool, Inc</i> <b>Laura Rauch</b> <i>Director – Settlements, Midcontinent Independent System Operator</i> <b>Evelyn Robinson</b> <i>Managing Partner – State Government Affairs, PJM Interconnection</i>
11:45 – 12:15	<b>Wrap-up and Boxed Lunches</b>	
12:15	<b>Adjourn</b>	

# Thank you to WPUI member organizations!

## Corporate level:



## Sustaining level:



## Contributing level:

Dairyland Power Cooperative  
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## Associate level:

Great Lakes Utilities  
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Boardman & Clark LLP  
Christensen Assoc. Energy Consulting  
Citizens Utility Board of Wisconsin  
Customers First! Coalition  
Customized Energy Solutions  
Focus on Energy  
Foley and Lardner LLP  
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GDS Associates, Inc.  
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Michaels Energy  
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Municipal Electric Utilities of Wisconsin  
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