

**December 12, 2019**

**NEW MEXICO GRID  
MODERNIZATION RETREAT**

Stewart L. Udall Building  
Center for Museum  
Resources  
725 Camino Lejo  
Santa Fe, NM 87505

The objective of the retreat is to explore strategies to implement New Mexico’s Energy Transition Act, which requires 100% zero-carbon electricity for utilities by 2045 and rural electric cooperatives by 2050. This retreat will examine how to reach the targets in the Act with a modernized grid in the most affordable, reliable, and equitable way. We will explore topics including how to finance electricity system upgrades and new technology deployment, western electricity markets, energy equity and affordability for underserved communities, battery storage, and electric vehicle grid impacts.

<b>DECEMBER 12, 2019</b>	
8:00 - 8:30 AM	<b>Coffee and Registration</b>
8:30 – 8:35 AM	<b>Welcome</b> <ul style="list-style-type: none"> <li>Jessica Rackley, Program Director, Energy, Infrastructure and Environment Division, National Governors Association</li> </ul>
8:35 – 9:35 AM	<b>Overview, Meeting Goals, and Introductions</b> <p>The New Mexico team will provide context for the retreat by sharing how they are currently planning for meeting the targets established in the Energy Transition Act (ETA) and what they hope to achieve out of today’s meeting. This session will also include small group discussions and brainstorming activities.</p> <ul style="list-style-type: none"> <li>Introduction: Sarah Cottrell Propst, Cabinet Secretary, New Mexico Energy, Minerals, and Natural Resources Department (EMNRD)</li> </ul> <p>Moderators:</p> <ul style="list-style-type: none"> <li>AnnaLinden Weller, Policy Advisor, New Mexico Energy, Minerals, and Natural Resources Department (EMNRD) and</li> <li>Laura Tabor, Sustainability and Resilience Officer, New Mexico Energy, Minerals, and Natural Resources Department (EMNRD)</li> </ul>
9:35 – 9:55 AM	<b>Planning for the Future Keynote</b> <p>An energy expert will provide a keynote, including addressing many of the themes that will be covered throughout the day such as renewable energy integration, energy affordability, electricity infrastructure upgrades, and expectations for energy sector changes.</p> <ul style="list-style-type: none"> <li>Introduction: Sarah Cottrell Propst, EMNRD</li> <li>Keynote Speaker: Keegan Moyer, Principal, Energy Strategies</li> </ul>
9:55 – 10:15 AM	<b>Break</b>

10:15 – 11:10 AM	<p><b>Framing the Vision for 2030, 2040 and 2050</b></p> <p>This panel will explore what the New Mexico grid looks like in 2030, 2040, and 2050 and what technology and infrastructure upgrades need to be made. Topics discussed during this panel include infrastructure buildout and resilience, and electric transmission and distribution needs.</p> <p>Moderator: Jessica Rackley, NGA</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>• Dr. Dan Arvizu, Chancellor, New Mexico State University</li> <li>• Rodney Sgrignoli, Manager - Grid Storage and Innovation, Xcel Energy</li> <li>• Charles Hanley, Senior Manager Grid Modernization &amp; Resilient Infrastructures, Sandia National Laboratory</li> </ul>
11:10 – 11:15 AM	<p><b>Fast Feedback</b></p> <p>At the end of each panel, participants will have five minutes to provide feedback through an interactive polling program.</p> <ul style="list-style-type: none"> <li>• Co-Moderators: AnnaLinden Weller and Laura Tabor, EMNRD</li> </ul>
11:15 – 12:10 PM	<p><b>Western Grid Integration</b></p> <p>This panel will explore the possibility of western grid integration and the opportunities and process of transitioning to a regional grid.</p> <p>Moderator: Dr. Alyse Taylor-Anyikire, Senior Policy Analyst, NGA</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>• Dr. Doug Howe, Director, Western Grid Group</li> <li>• Johnny Casana, Senior Manager, U.S. Political and Regulatory Affairs, Pattern Energy Group</li> </ul>
12:10 – 12:15 PM	<p><b>Fast Feedback</b></p> <ul style="list-style-type: none"> <li>• Co-Moderators: AnnaLinden Weller and Laura Tabor, EMNRD</li> </ul>
12:15 – 1:15 PM	<p><b>Lunch &amp; Small Group Discussion</b></p> <ul style="list-style-type: none"> <li>• Co-Moderators: AnnaLinden Weller and Laura Tabor, EMNRD</li> </ul>
1:15 – 1:55 PM	<p><b>Energy Storage and Electric Vehicle Impacts on the Grid</b></p> <p>In this session, panelists will share strategies to increase the deployment of energy storage applications and will include a discussion of vehicle-to-grid integration and expected impacts to the grid posed by electrified transportation.</p> <p>Moderator: Daren Zigich, Engineering Technology Program Manager, EMNRD</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>• Dr. Babu Chalamala, Sandia National Laboratories, Program Manager, Energy Storage Technologies and Systems</li> <li>• Ken Wilson, Engineering Fellow, Western Resource Advocates</li> <li>• Gary Oppedahl, Vice President, Emerging Technologies, Emera Technologies LLC</li> </ul>
1:55 – 2:00 PM	<p><b>Fast Feedback</b></p> <ul style="list-style-type: none"> <li>• Co-Moderators: AnnaLinden Weller and Laura Tabor, EMNRD</li> </ul>
2:00 – 2:40 PM	<p><b>Financing the Modern Grid</b></p>

	<p>Panelists will discuss financing options for distributed generation, utility scale generation, and transmission and distribution projects. Finance mechanisms discussed may include public-private partnerships (P3s), on-bill financing, Commercial Property Assessed Clean Energy (CPACE), industrial revenue bonds, green bank, and others.</p> <p>Moderator: Louise Martinez, Director of the Energy Conservation and Management Division, EMNRD</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>• Fernando Martinez, Executive Director, New Mexico, Renewable Energy Transition Authority (RETA)</li> <li>• John Hensley, Vice President, Research &amp; Analytics, American Wind Energy Association (AWEA)</li> </ul>
2:40 – 2:45 PM	<p><b>Fast Feedback</b></p> <p>Co-Moderators: AnnaLinden Weller and Laura Tabor, EMNRD</p>
2:45 – 3:00 PM	<p><b>Break</b></p>
3:00 – 3:40 PM	<p><b>Energy Equity Impacts &amp; Ensuring Community Benefits from ETA Compliance</b></p> <p>This panel will explore energy equity concerns associated with meeting the ETA’s targets such as ratepayer impacts. It will also consider ways to guarantee that all communities benefit from this transition to clean energy such as clean energy workforce training programs and other ideas.</p> <p>Moderator: Dr. Alyse Taylor-Anyikire, NGA</p> <p>Speakers:</p> <ul style="list-style-type: none"> <li>• Noah Long, Director, Interior West and Northwest, Climate &amp; Clean Energy Program, Natural Resources Defense Council (NRDC)</li> <li>• Lisa Hu, Energy Equity Director, the Greenlining Institute</li> </ul>
3:40 – 3:45 PM	<p><b>Fast Feedback</b></p> <p>Co-Moderators: AnnaLinden Weller and Laura Tabor, EMNRD</p>
3:45 – 4:30 PM	<p><b>Establishing a Vision for 2030, 2040 and 2050 -- Opportunities for Stakeholder Feedback</b></p> <p>This wrap-up session will include. In this final session, stakeholders will share their thoughts on the most promising avenues for state action based on the day’s discussion through a mix of interactive brainstorming activities, some small group discussions, and a final large group discussion. The following questions will help guide the discussion:</p> <p>Co-Moderators: AnnaLinden Weller and Laura Tabor, EMNRD, and Jessica Rackley, NGA</p> <p>Final Remarks: Jessica Rackley, NGA</p> <ul style="list-style-type: none"> <li>• What ideas did you hear today that you found most promising?</li> <li>• What barriers remain that the state should address?</li> <li>• What areas warrant further study or exploration by the state?</li> <li>• What steps do you think New Mexico needs to take to plan for meeting the Energy Transition Act goals?</li> </ul>
4:30 PM	<p><b><i>Participants Adjourn</i></b></p>