

2021 PLANNING AND MODELING VIRTUAL SEMINAR AGENDA

November 3rd and 4th, 2021

Open Webinar

Day One – Planning for a Decarbonized Grid

Session 1 – Integrating the Changing Resource Mix into the Bulk Power System		
<u>Time (ET)</u>	<u>Topic</u>	<u>Presenters</u>
1:00 p.m.	Welcome and Introduction	<i>NATF - Andy Balascak EPRI - Anish Gaikwad NERC - Ryan Quint</i>
1:15 p.m.	Queued Up Characteristics of power plants seeking transmission interconnection.	<i>LBNL – Joseph Rand</i>
1:45 p.m.	Technology Perspectives How inverter-based resources (IBRs) provide essential reliability services, firm capacity and will enable transformation to a future “digital grid”.	<i>Terabase Energy – Dr. Mahesh Morjaria</i>
2:15 p.m.	Transmission Planning for Clean Electricity Ways to enable cleaner electricity while maintaining affordability and reliability.	<i>ESIG – Dr. Debra Lew</i>
2:45 p.m.	Break	
2:55 p.m.	Planning Experiences for Integrating Changing Resource Mix with Audience Q&A How entities are planning for the changing resource mix on the bulk power system followed by audience Q&A. Moderated by Gayle Nansel – WAPA	<i>Xcel Energy - Hari Singh CAISO – Irina Green MISO - Amanda Schiro Southern Co. - Cindy Hotchkiss</i>
4:00 p.m.	Day One Wrap-up	<i>NATF - Andy Balascak</i>

Day Two – Emerging Technologies

Session 2 – Resilience Planning		
<u>Time (ET)</u>	<u>Topic</u>	<u>Presenters</u>
1:00 p.m.	Welcome	<i>NATF – Andy Balascak</i>
1:05 p.m.	Integrating Security into the Planning-Design Process Incorporating security requirements early in the plan-design-build-operate-maintain cycle to minimize risk without negative impacts to grid operations.	<i>EPRI – John Stewart</i>
1:35 p.m.	Extreme Climate Events & Transmission Resiliency EPRI’s use of climate information to assess the impacts of extreme climate events on the transmission system to plan a more resilient grid.	<i>EPRI – Anish Gaikwad & Dr. Delavane Diaz</i>
2:05 p.m.	Audience Interaction Audience live polling and feedback using SLIDO.	<i>EPRI – Anish Gaikwad & Mobolaji Bello</i>
2:25 p.m.	Break	
Session 3 – Technology Impacting the Utility Industry		
2:40 p.m.	EMT Studies for Transmission Planning Leveraging advanced computing techniques for EMT studies.	<i>Eversource – Janny Dong, Goodarz Ghanavati, Meiyang Li Electranix – Andrew Isaacs</i>
3:20 p.m.	Transportation Electrification & System Planning The impacts of transportation electrification on transmission planning.	<i>EPRI – Jared Green INL – Tim Pennington</i>
4:00 p.m.	Day Two Wrap-up and Closing Comments	<i>NATF – Andy Balascak</i>