

VIRTUAL
GENERATOR INTERCONNECTION WORKSHOP
AUGUST 9-11

CO-SPONSORED BY



PROGRAM AGENDA

Tuesday, August 9, 2022

Day 1: Interconnection and Transmission Planning Process

1:00 – 4:00 p.m. (EDT)

1:00 – 1:10 p.m.

Introduction

Opening Remarks

Wayne Sipperly, Executive Director, North American Generator Forum

Brief Workshop Introduction

Julia Matevosyan, Chief Engineer, ESIG

1:10 – 2:30 p.m.

Session 1: Generation Interconnection vs Transmission Planning, Why the Difference?

Chair: **Warren Lasher**, Lasher Energy Consulting

Transmission Upgrades identified through Interconnection Process vs Transmission Planning Process Pros and Cons

Johannes Pfeifenberger, Principal, The Brattle Group

A Roadmap for Modernizing & Integrating Interconnection and Transmission Planning

Aaron Vander Vorst, Senior Director, Transmission, Enel Green Power

Dispatch Assumption for the Interconnection Studies and Assumptions Around NRIS and ERIS

Horea Catanase, Senior Manager - Energy Resource Integration and Interconnection, Electric Power Engineers

Discussion and Q&A

2:30 – 2:40 p.m.

Break

2:40 – 4:00 p.m.

Session 2: Integrating Interconnection and Transmission Planning, Benefits of Transmission

Chair: **Debbie Lew**, Associate Director, ESIG

Multi-benefits of Transmission

Derek Stenclik, Founding Partner, Telos Energy

Pro-Active Planning

T. Bruce Tsuchida, Principal, The Brattle Group

SPP Consolidated Planning Process Task Force: Process Assumption and Criteria

Matt Pawlowski, Executive Director of Business Management and Regulatory Affairs

NextEra Energy & **Sunny Raheem**, Supervisor, Modeling, Southwest Power Pool

Joint Targeted Interconnection Queue Study

Andy Witmeier, Director Resource Utilization, Midcontinent Independent System Operator

Discussion and Q&A

Wednesday, August 10, 2022

Day 2: Interconnection Studies and Modeling

1:00 – 4:00 p.m. (EDT)

1:00 – 1:15 p.m.

Introduction

NERC Disturbance Events, Focus on Reliability Needs

Ryan Quint, Director, Engineering and Security Integration, NERC

1:15 – 2:35 p.m.

Session 3: Interconnection Studies

Chair: **Roberto Favela**, Manager- Interconnections & Transmission Plan, El Paso Electric Company

Interconnection Process vs Project Development Timeline

Divya Kurthakoti, Senior Lead Specialist, Ørsted

ERCOT Interconnection Study Process, Focus on Reliability

Mario Hayden, Senior Manager, Transmission, Enel Green Power

Control Tuning as Alternative to Transmission Reinforcement

Alex Shattuck, Lead Electrical Engineer, Vestas

Interconnection study process, reliability implications and improvements needed

Jens Boemer, Principal Technical Leader, EPRI

Discussion and Q&A

2:35 – 2:45 p.m.

Break

2:45 – 4:00 p.m.

Session 4: Importance of Modeling

Chair: **Lauren Hughes**, Project Manager, OATT Studies, Southern Company

Importance of Models, Model Validation and Lack of Follow-up Past Commissioning.
Pouyan Pourbeik, President & Principal Consultant, Power and Energy, Analysis, Consulting and Education

IBR Models and Modeling Needs

Deepak Ramasubramanian, Technical Leader, EPRI

EMT Modeling Experience at ISO-NE

Brad Marszalkowski, Senior Engineer, ISO New England

Discussion and Q&A

Thursday, August 11, 2022

Day 3: Interconnection Requirements and IEEE2800

1:00 – 4:00 p.m. (EDT)

1:00 – 1:15 p.m.

Introduction

Interconnection Requirements, Need for Harmonization and IEEE2800

Jason MacDowell, Senior Director - Technology, Strategy & Policy, GE Energy Consulting

1:15 – 2:35 p.m.

Session 5: IEEE2800

Chair: **Manish Patel**, Chief Engineer - P&C Applications, Southern Company

IEEE2800 and Roadmap to Adoption

Andy Hoke, Senior Engineer, NREL

IEEE2800 OEM Readiness

Lucas Meubrink, Senior Application Engineer – Large Scale Storage, SMA America

Samir Dahal, Grid Specialist, Siemens Gamesa Renewables

Alex Shattuck, Lead Electrical Engineer, Vestas

Rajat Majumder, Lead Grid Connection Specialist US, Ørsted

Siddarth Pant, Senior Systems Engineering Manager, GE Renewable Energy

IEEE2800 vs Existing Interconnection Requirements, Gap Analysis Learnings: Examples of ERCOT and ISO-NE

Stephen Solis, Principal, System Operations Improvement, ERCOT

Brad Marszalkowski, Senior Engineer, ISO New England (to be confirmed)

Discussion and Q&A

2:35 – 2:50 p.m.

Break

2:50 – 3:40 p.m.

Session 6: DOE i2x Initiative

Chair: **Mark Ahlstrom**, President, ESIG Board of Directors & NextEra Energy Resources

DOE i2x Overview

Cynthia Bothwell, Grid Integration Engineer, Systems Integration, Wind Energy Technologies Office at U.S. Department of Energy (DOE)

i2x Roadmap Overview and Feedback

Cynthia Bothwell, Grid Integration Engineer, Systems Integration, Wind Energy Technologies Office at U.S. Department of Energy (DOE)

Tom McDermott, Chief Engineer and Solar Sub-sector Lead, Pacific Northwest National Laboratory

Discussion and Q&A

3:40 – 4:00 p.m.

Closing Remarks

Summary of Workshop Next Steps, White Paper

Julia Matevosyan, Chief Engineer, ESIG