

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

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

Pro-Active Planning  
**T. Bruce Tsuchida**, Principal, The Brattle Group

Multi-benefits of Transmission  
**Derek Stenclik**, Founding Partner, Telos Energy

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