

Meeting Agenda

Project 2024-03 Revisions to EOP-012-2 Technical Conference

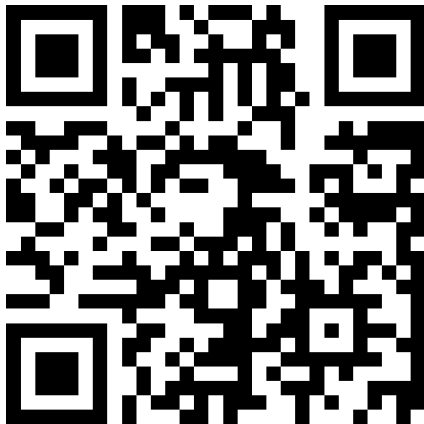
November 12, 2024 | 9:00 a.m.- 4:30 p.m. Central (Local Time)

[WebEx Registration](#)

[NERC Antitrust Compliance Guidelines](#) and Public Announcement
[NERC Participant Policy](#)

Location: ERCOT
8000 Metropolis Dr Building E
Austin, TX
78744

QR Code for Slido.com



9:00 AM - 9:10 AM

Welcome and Safety

Alison Oswald (NERC) and David Kezell (ERCOT)

9:10 AM - 9:25 AM

Opening Remarks on Cold Weather Initiatives

Speaker(s): Amir Najafzadeh (FERC); Soo Jin Kim (NERC Staff)

9:25 AM – 9:35 AM

Review of the June 27, 2024 FERC Order Directives

Speaker(s): Lauren Perotti (NERC Legal)

9:35 AM - 10:45 AM

Original Equipment Manufacturer (OEM) Constraint

Speaker(s)/Panelists: Scott Karpel (SMA-America); Tom Freeman (GE); Matt Vassallo (Siemens)

Morning Break (10:45 AM – 11:00 AM)

11:00 AM - 12:15 PM

Original Equipment Manufacturer (OEM) Constraint

Speaker(s)/Panelists: Scott Karpel (SMA-America); Matt Vassallo (Siemens); Masoud Sharifi (Siemens Gamesa)

Lunch Break (12:15 PM – 1:15 PM)

1:15 PM – 2:15 PM

Defining Generator Cold Weather Constraints

Speaker(s)/Panelists: John-Erik Nelson (Braintree Electric Light); David Lemmons (NAGF)

2:15 PM – 3:15 PM

Generator Cold Weather CAP Extension and Constraint Process Discussion/Q&A

Speakers(s): Derek Kassimer (NERC); Curtis Crews (WECC)

Afternoon Break (3:15 PM – 3:30 PM)

3:30 PM – 4:00 PM

Generator Winterization Best Practices

Speaker(s): Mike Kuhl (SERC); Mark Henry (Texas RE); Matt Forest (NPCC)

4:00 PM – 4:30 PM

EOP-012-3 Revision Discussion

Speaker(s): David Kezell (ERCOT), Brad Pabian (LGE-KU), Venona Greaff (OXY)

NERC Antitrust Guidelines

It is NERC's policy and practice to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. This policy requires the avoidance of any conduct that violates, or that might appear to violate, the antitrust laws. Among other things, the antitrust laws forbid any agreement between or among competitors regarding prices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that unreasonably restrains competition. It is the responsibility of every NERC participant and employee who may in any way affect NERC's compliance with the antitrust laws to carry out this commitment.

Public Announcement

Participants are reminded that this meeting is public. Notice of the meeting was posted on the NERC website and widely distributed. The notice included the number for dial-in participation. Participants should keep in mind that the audience may include members of the press and representatives of various governmental authorities, in addition to the expected participation by industry stakeholders.

NERC Standards Development Process-Participant Conduct Policy

<http://www.nerc.com/pa/Stand/Documents/Standards%20Development%20Process-Participant%20Conduct%20Policy.pdf>

Presenter Biographies

Scott Karpel

Principal Application Engineer, SMA America

Scott Karpel is a Principal Application Engineer at SMA America, the U.S.-based subsidiary of solar and storage inverter leader SMA Solar Technology AG, headquartered in Germany.

In this role, he provides design and consultation services, as well as technical support, for North American photovoltaic (PV) and storage customers, engineers, developers, owners and utilities. He also is responsible for identifying market requirements with his involvement in inverter-based resources working groups and standards drafting teams to drive product enhancements and bridge any technical gaps in the product offering. He is a subject-matter expert on utility scale renewable energy generation.

Karpel, who joined SMA as an application engineer, has more than 30 years of experience in various engineering disciplines, including architectural engineering, quality engineering, compliance engineering, research and development, hardware engineering and technical support. Previous rolls in the renewable sector include commissioning, field engineering, product management and Director of Applications Engineering for various inverter manufacturers.

Karpel earned a Bachelor of Science degree in electrical engineering, with a focus on energy conversion and power electronics from the University of Colorado, Boulder.

Mr. Lemmons

Mr. Lemmons has been in the electric industry for more than 35 years. During this time, he has held positions related to rate design, return on equity determination, state and federal regulatory administration, day-ahead and real-time generation planning and scheduling, developing energy pricing for day-ahead trading, load forecasting, centralized market design and development, development of reliability rules and creating and implementing reliability compliance programs in every region under NERC today for coal, gas, wind, and solar generating plants. He has been a member of eight NERC or WECC Standard Drafting Teams, chairing five of these efforts as well as participating as an observer on multiple teams. He has also participated on NERC and WECC committees where development and implementation of reliable operations practices were addressed. He currently is the chair of the NAGF Cold Weather Preparation Working Group. Mr. Lemmons holds a Master of Science in Finance and Economics from West Texas A&M University.

Michael A. Kuhl, CIA, NCSO

Manager, Operations and Planning Monitoring

Michael is currently Manager, Operations and Planning Monitoring for SERC Reliability Corporation and reports to the Director of Reliability Assurance. He has been performing his current role since September 2015. He worked as a Compliance Assessment specialist performing Registration and Certification duties between January 2013 and September 2015. Prior to joining SERC in January 2013, Mike worked at the

Cincinnati Gas & Electric Company/Cinergy/Duke Energy for nearly 24 years. His responsibilities were primarily in the areas of electric generation, electric transmission system operations and NERC Reliability Standards program management.

Michael began his career during the construction and start-up phases of W.H. Zimmer Station, a 1,300 MW supercritical unit and the world's first nuclear-to-coal conversion project. Michael transitioned to control area operations in the mid-1990s, subsequently became a NERC Certified System Operator, and worked as a Control Area Operator and Control Area Coordinator. Michael then served as Project Manager of Cinergy's integration with the initial start-up of Midcontinent Independent System Operator's energy markets. Several years before reliability standards became mandatory and enforceable, his job focus transitioned to NERC reliability standards compliance where he developed, implemented and managed Cinergy's and Duke's initial operations and planning Reliability Standards Internal Compliance Programs.

Michael graduated from the University of Cincinnati with a B.S. degree in Chemistry. Michael is a Certified Internal Auditor, a NERC Certified System Operator at the Reliability Coordinator level, and earned an undergraduate Certificate in Renewable Energy from Clemson University.

Mike Hughes
Manager, Entity Engagement
ReliabilityFirst

Mr. Hughes started with ReliabilityFirst June 2020 and has over 40 years of electric utility experience. Mr. Hughes is currently responsible for certifications, assist visits, and winterization site visits. Mr. Hughes has experience in Nuclear Power, Substation and Transmission Design, SCADA, and Protective Relay Systems. Experience includes work as an O&P Auditor as well as participation in the NERC and stakeholder working groups. Mr. Hughes is a graduate of the University of Arkansas, with a Bachelor of Science degree in Electrical Engineering. He is a registered Professional Engineer, Certified Internal Auditor, and Certified Protection Professional.

Mark Henry

Mark Henry is Chief Engineer and Director, Reliability Outreach at the Texas Reliability Entity, one of six NERC Regional Entities. Mark works with a team focused on long-term reliability assessments, performance monitoring and disturbance event analysis for the Texas Interconnection, sharing how grid transformation and the integration of variable energy, inverter-based resources, storage devices, distributed energy sources and large loads create challenges and opportunities, with added concerns from extreme weather and other disruptive conditions. Prior to this role, he developed and managed reliability compliance programs at Texas RE and ERCOT ISO and served in varied assignments as a utility engineer and supervisor at a central Texas utility. Mark is a licensed Texas professional engineer, a Certified Energy Manager, and he holds a BSEE from the University of Texas at Austin, with a graduate certificate in Telecommunication Management from St. Edwards University.

Matt Forrest

Matt Forrest is a Senior Entity Risk Engineer with NPCC. He has been with NPCC since September 2021. Matt has a Bachelor of Science in Marine Engineering from Massachusetts Marine Academy. He has over thirty years of industry experience that includes nuclear generation, renewable generation, commissioning, operations, and regulatory compliance.

Matt has earned the following certificates and licenses: Coast Guard Third Assistant Engineer for Steam and Motor, NRC Senior Reactor Operator's License, and the NERC Balancing Interchange and Transmission Certificate.

John-Erik Nelson

Principal Technical Engineer

Braintree Electric – Thomas A. Watson Generating Station, Braintree, MA

John-Erik Nelson is the Principal Technical Engineer at Braintree Electric's Thomas A. Watson Generating Station in Braintree, MA, where he oversees the electrical infrastructure, instrumentation and controls, and chemical controls systems for the plant. In this leadership role, he coordinates, directs, and supervises all activities related to these areas, ensuring the plant operates smoothly, safely, and efficiently.

John-Erik is responsible for monitoring the overall performance and operation of the plant, conducting reliability reviews, and ensuring accurate environmental reporting. He collaborates closely with Braintree Electric's NERC Compliance team, external consultants, and the Generations' Operation and Maintenance staff to ensure the plant meets regulatory standards.

With over 35 years of experience at Braintree Electric, John-Erik began his career as a co-op student and has since developed a deep expertise in power generation systems. He holds a Master's degree in Mechanical Engineering from Northeastern University in Boston, MA, and a Second Class Engineers License from the state of Massachusetts.

Beyond his technical responsibilities, John-Erik is an active participant in industry groups and has been a longstanding member of the Generation Users community. For over 20 years, he has contributed to the Combustion Turbine Operations Technical Forum (CTOTF), where he currently serves as the Senior Chair of the Aeroderivative Gas Turbine Roundtables.