

NEWSLETTER

April 2024

RSTC Business

Risks Prioritization

Based on the Risk Priorities identified by the Reliability Issues Steering Committee (RISC), the RSTC has identified four strategic priorities: 1) energy assurance, 2) inverter-based resources, 3) distributed energy resources, and 4) supply chain security. Cybersecurity is integral to each of these strategic priorities. More information on this can be found in Chapter 3 of the [RSTC Strategic Plan](#).

SAR: Revisions to FAC-001 and FAC-002

The Inverter-Based Resource Performance Subcommittee (IRPS) has created a draft Standard Authorization Request (SAR) for revisions to FAC-001 and FAC-002. The goal of this SAR is to improve FAC-001 and FAC-002 and help ensure that Transmission Operators (TOPs), Reliability Coordinators (RCs), and Balancing Authorities (BAs) can work with the relevant Generator Owner (GO) to address any abnormal performance issues. This includes seeking corrective actions, requesting improvements to the requirements developed by the TO, TP, or PC (Per FAC-001 or FAC-002), and reporting any abnormal performance to NERC for continued risk assessment.

This SAR has been posted for comments until April 17, 2024. The document can be viewed below:

Click here for: [Draft SAR: Revisions to FAC-001-4 and FAC-002-4](#)

Click here for: [Draft SAR: Revisions to FAC-001-4 and FAC-002-4 - Comment Matrix](#)

FERC Order No. 901

As part of its [Inverter-Based Resource Strategy](#), NERC is dedicated to identifying and addressing challenges associated with inverter-based resources (IBR) as the penetration of these resources continues to increase. ERO Enterprise assessments identified a reliability gap associated with the increasing integration of IBRs as part of the grid in which a significant level of bulk power system-connected IBR owners and operators are not yet required to register with NERC or adhere to its Reliability Standards.

In response, FERC issued an [order](#) in 2022 directing NERC to identify and register owners and operators of currently unregistered bulk power system-connected IBRs. Working closely with industry and stakeholders, NERC is executing a FERC-approved work plan to achieve the identification and registration directive by 2026. Resources are also posted on the [Registration page](#) of the NERC website.

NERC recently hosted a webinar to give more information on FERC Order 901 - Milestone 2. The recording and slides from that webinar can be found below:

Click here for: [Slide Presentation](#)

Click here for: [Recording](#)

TOP NEWS

THE RSTC HELD ITS FIRST QUARTER MEETINGS MARCH 12-13, 2024

LINKS TO ALL ACTIONS

[RSTC MEETING AGENDA PACKAGE - MARCH 12, 2024](#)

[RSTC INFORMATIONAL SESSION - MARCH 13, 2024](#)

[APPROVED | ENDORSED | ACCEPTED - AGENDA ITEMS](#)
[MARCH 12-13, 2024](#)



OUR STRATEGY

The RSTC is a standing committee that strives to advance the reliability and security of the interconnected bulk power system (BPS) of North America by:

- Creating a forum for aggregating ideas and interests, drawing from diverse industry stakeholder expertise, to support the ERO Enterprise's mission.
- Leveraging such expertise to identify solutions to study, mitigate, and/or eliminate emerging risks to the BPS for the benefit of industry stakeholders, the NERC Board of Trustees (Board), and ERO Enterprise staff and leadership.
- Coordinating and overseeing implementation of RSTC subgroup work plans.

EMERGING LOADS AND ELECTRIC VEHICLES (EV) PANEL SESSION SPOTLIGHT

The energy landscape has seen significant changes in recent years, with the emergence of electric vehicles (EVs) and high energy-consuming entities like data centers and crypto mining operations. To understand and adapt to these changes, the RSTC organized a panel session to discuss industry perspectives on emerging loads and their effects on transmission planning and operations.

RSTC has previously highlighted the impact of EV loads and data centers on the grid, from at-home EV charging to fleet charging that requires transmission services and data centers that react to price sensitivity of some services. These emerging loads are changing the way we approach transmission infrastructure and reliability.

The panel session gave industry stakeholders a platform to share their experiences and strategies on navigating the complexities of emerging loads. Participants emphasized the importance of collaboration and strategic planning in managing the changing landscape, proactive measures to ensure grid reliability, and resilience in the face of increasing demand.

The RSTC had the honor of hosting the panel discussion, which featured a group of highly accomplished industry experts. These individuals were carefully selected for their extensive experience and knowledge in their respective fields. It was truly inspiring to hear their insights and perspectives on the topics that were discussed. For your reference, the names of the distinguished panelists are listed below.

David Grubbs, General Manager/CEO, City of Garland - Moderator

Ronnie Bailey, Director ET Planning in the Electric Transmission, Dominion Energy Virginia - Presenter

Nicolas Morton, Manager, CIP Compliance Energy Delivery, American Electric Power - Presenter

Dede Subakti, Vice President of System Operations, California ISO - Presenter

Bryan Jungers, Director of Mobility, E Source - Presenter

Geoffrey Blandford, Principal Technical Executive, EPRI - Presenter

Joseph Eto, Lawrence Berkeley National Laboratory, - Presenter

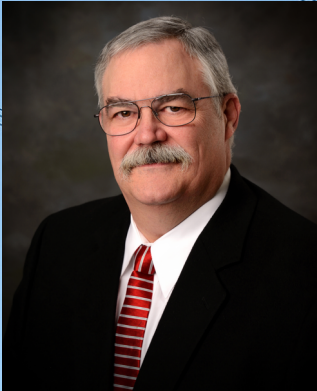
Agee Springer, Sr. Manager of Grid Interconnections, ERCOT - Presenter

Joseph Baranski, Strategic Grid Planning, Portland General Electric - Presenter

Stay tuned for further updates as the RSTC continues to drive progress in addressing the impact of electric loads on the grid.

**FOR QUESTIONS OR COMMENTS, PLEASE CONTACT STEPHEN CRUTCHFIELD AT:
STEPHEN.CRUTCHFIELD@NERC.NET**

DAVID GRUBBS



David Grubbs has extensive experience across all areas of the electric utilities sector, including cyber security, physical security, transmission design, substation design, construction, transmission planning, coal generation, gas-fired generation, hydro generation, transmission operations, generation operations, compliance, and executive management in municipal systems and G&T cooperative systems. He is an active member of NERC, ERCOT, and other coordination organizations.

His involvement in NERC is as follows:

- NERC RSTC: 2022 to present
- NERC CIPC Vice Chair: 2017 to 2020
- NERC CIPC Executive Committee: 2010 to 2020
- NERC CIPC Member: 2009 to 2020
- NERC CIPC Chair of Physical Security Subcommittee: 2012 to 2017
- NERC Severe Impact Resilience Task Force: 2010 to 2013
- NERC E-ISAC Physical Security Advisory Group: 2015 to present

His involvement in ERCOT is as follows:

- ERCOT Board of Directors: 1994 to 2001
- ERCOT Technical Advisory Committee: 1987 to 1996 and 2010 to 2013
- ERCOT Critical Infrastructure Protection Working Group: Chair 2010 to 2014, Vice Chair 2006, 2007 and 2009
- ERCOT Network Data Support Working Group: Chair 2006
- ERCOT Operating Guide Revision Task Force: Chair 1995-1996
- ERCOT Power Interchange Effects Task Force: Chair 1985-1986

In addition, he is the Energy Sector Chief for the North Texas Chapter of InfraGard since 2014 and holds a US Government Security Clearance. He has been employed by the City of Garland for 21 years and currently serves as the Electric Reliability Compliance Officer, reporting to the CEO of the electric utility. He has held numerous supervisory positions in transmission planning, engineering, operations, compliance, physical security, and cyber security. Previously, he worked at South Texas Electric Cooperative for 17 years in several positions, including 7 years as General Manager/CEO. He is a Registered Professional Engineer in Texas.

RONNIE BAILEY



Ronnie Bailey is Director ET Planning in the Electric Transmission for Dominion Energy Virginia. His group is responsible for the reliability and expansion planning of Dominion Energy's over 6,900 miles of transmission electric transmission grid through the PJM RTEP process.

Ronnie has been with Dominion Energy for 43 years and has held several positions gaining experience in Electric Transmission, Substation, System Protection, Distribution, Operations, and customer end-use technologies.

Ronnie serves as Dominion Energy's primary voting member of the PJM Planning Committee having the responsibility to review and recommend system planning strategies and policies as well as planning and engineering designs for the PJM bulk power supply system to assure the continued ability of the member companies to operate reliably and economically in a competitive market environment. He also serves on PJM's Transmission Expansion Advisory Committee which provides advice and recommendations to aid in the development of the Regional Transmission Expansion Plan (RTEP).

Ronnie graduated from West Virginia Institute of Technology Montgomery, WV in 1980 with a bachelor's degree in electrical engineering. He is also a registered Professional Engineer in the State of Virginia.

NICHOLAS MORTON



Nicholas Morton is the Manager, CIP Compliance Energy Delivery for American Electric Power. With a focus on compliance, Nicholas works to ensure internal stakeholders are able to connect the reliability of the BPS with preventing and mitigating cyber related risks. With over 14 years of Cyber Security, IT Audit, and IT Tools Administration in various industries, Nicholas works to provide consulting in many areas. Nicholas has been involved with NERC CIP compliance since version 1.0 and has a strong focus on working with industry peers in past and present committees/groups such as NERC CIP SER, 2020-04 SDT, RF CIPC [Vice Chair], ERCOT CIPWG.

DEDE SUBAKTI



Dede Subakti currently serves as Vice President of System Operations in California ISO. He is responsible for all aspects of system operations from bid to bill. This includes new resources implementation process, operational readiness, day-to-day control room operations, all the way to settlement and dispute processes.

Dede joined the California ISO in 2010, serving first as manager for operations planning. In 2012, he was promoted to his most recent position as director of operations for engineering services, in which he was responsible for operational engineering and support functions, including resource adequacy assessments, seasonal operating and outage coordination studies, and operating and reliability analyses.

He also supported the onboarding and day-to-day operations engineering for the Western Energy Imbalance Market (EIM), and RC West, the ISO's reliability coordinator function for balancing authorities and transmission operators in the Western Interconnection.

Before joining the ISO, Subakti worked with OATI, Inc., a global energy solutions and software company, managing project development for various transmission system applications for transmission service providers in both the Western and Eastern Interconnections. Before that, he served as Manager of Regional Operations Engineering at the Midwest ISO (now Midcontinent ISO) where he managed real-time operations engineers providing control room operations support. Subakti also has worked with representatives of the North American Electric Reliability Corporation (NERC) and Western Electricity Coordinating Council (WECC) to develop reliability standards and support the operation of the Western Interconnection.

He is a licensed professional engineer in Minnesota and a certified NERC System Operator. Subakti received a master's degree in business administration from the University of Minnesota and a master's degree in electrical engineering from Iowa State University, with an emphasis on power systems. He received his bachelor's degree in electrical engineering from Iowa State University.

MEET THE EMERGING LOADS AND ELECTRIC VEHICLES (EV) PANEL

BRYAN JUNGERS



Bryan leads E Source's enterprise-wide mobility practice. He oversees strategy and roadmapping on transportation electrification and mobility research, advising, consulting, new products, and data tools. He has nearly 20 years of professional and academic experience as an engineer, researcher, and analyst for E Source, Manifest Mind, the Electric Power Research Institute (EPRI), the California Energy Commission (CEC), the University of California at Davis (UC Davis) and Humboldt State University (HSU). Bryan worked as a research manager, product manager, lead analyst, and senior manager at E Source before entering his current role as Director of Mobility. Bryan earned a BS degree in environmental resources engineering from HSU and an MS degree in civil and environmental engineering from UC Davis.

GEOFFREY BLANFORD



Dr. Geoffrey J. Blanford is a Principal Technical Executive in EPRI's Energy Systems and Climate Analysis group, where he has worked since 2006. He is an expert on energy-economy modeling and integrated assessment and leads development of energy systems modeling at EPRI. His current research activities include energy system integration, end-use electrification, and economy-wide decarbonization policy. He was a lead author for the Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report and serves as co-director of the International Energy Workshop (IEW). He holds a B.A. in mathematics from Yale University, a M.S. in operations research from Columbia University, and a Ph.D. in management science and engineering from Stanford University.

FOR QUESTIONS OR COMMENTS, PLEASE CONTACT STEPHEN CRUTCHFIELD AT:
STEPHEN.CRUTCHFIELD@NERC.NET

MEET THE EMERGING LOADS AND ELECTRIC VEHICLES (EV) PANEL

JOSEPH ETO



Following a nearly 40-year career, Joseph H. Eto retired from the Lawrence Berkeley National Laboratory (Berkeley Lab) in 2021. He remains engaged with the Berkeley Lab by collaborating with the Electricity Markets and Policy Department and the Grid Integration Group. In 2023, he was appointed to the Lawrence Berkeley National Laboratory. Mr. Eto has authored over 250 publications on electricity reliability, transmission planning and operations, demand response and distributed generation, utility-integrated resource planning and demand-side management, and building energy-efficiency technologies.

AGEE SPRINGER



Agee Springer is Sr. Manager of Grid Interconnections at ERCOT. His department is responsible for the reliable integration of all generation and large load interconnection requests into the ERCOT system. Prior to assuming this position, Agee served as Manager of Large Load Integration, which oversees the interim interconnection process for large loads, develops ERCOT Protocol and Planning Guide revisions to ensure their reliable operation on the ERCOT system, and provides support for ERCOT's Large Flexible Load Task Force. Agee's past experience at ERCOT includes developing situational awareness displays for the ERCOT control room, providing real-time engineering support and training for ERCOT system operators, performing analyses of ERCOT operational and market data, and leading ERCOT's Engineer Development Program. He has also served as Manager of Market Operations for RWE Renewables Americas. Agee holds a BS in Physics from Duke University and a MSEE from The University of Texas at Austin.

FOR QUESTIONS OR COMMENTS, PLEASE CONTACT STEPHEN CRUTCHFIELD AT:
STEPHEN.CRUTCHFIELD@NERC.NET

JOSEPH BARANSKI



Joey Baranski is a senior utility leader with 20+ years of utility experience who joined Portland General Electric in 2006.

As Director of Strategic Grid Planning at Portland General Electric, Joey currently oversees the Distribution Planning Engineering, Transmission Planning Engineering, Operations & Planning Engineering, T&D Capital Project Development, Strategic Asset Management, Grid Architecture, Energy Storage Operations, Strategic Project Delivery, Technology Development, and Dispatchable Standby Generation teams.

Throughout his career Joey has led a diverse set of teams in engineering, NERC compliance, geospatial information systems, meter/relay & SCADA technical services, cyber security, and transmission & power operations software development to name a few.

UPCOMING EVENTS

ELECTIONS AND NOMINATIONS

- RSTC SPECIAL ELECTION | SECTOR 1: INVESTOR-OWNED UTILITY
 - DUE TO A MEMBER'S RESIGNATION FROM THE RELIABILITY AND SECURITY TECHNICAL COMMITTEE (RSTC), WE HAVE A SECTOR 1: INVESTOR-OWNED UTILITY REPRESENTATIVE VACANCY. THE RSTC WILL HOLD A SPECIAL ELECTION TO TRY AND FILL THIS VACANCY. THE PERIOD FOR NOMINATING CANDIDATES DURING THIS SPECIAL ELECTION WILL BE **APRIL 1-22, 2024**.

RSTC MEETINGS

- JUNE 11-13, 2024 HYBRID MEETING LOCATION: SEATTLE, WA | AMAZON
 - (JOINT MEETING WITH STANDARDS COMMITTEE JUNE 12) | [IN-PERSON REGISTRATION](#) | [DAY 1 WEBEX](#) | [DAY 2 WEBEX](#) | [JOINT RSTC/SC WEBEX](#)
- SEPTEMBER 10-12, 2024 HYBRID MEETING LOCATION: MONTREAL, CANADA | HYDRO QUEBEC | ALT HOTEL
- DECEMBER 11-12, 2024 VIRTUAL MEETING

WORKSHOPS AND CONFERENCES

2024 NERC-NATF-EPRI EXTREME WEATHER TRANSMISSION PLANNING AND MODELING WORKSHOP | MAY 29-30, 2024 | DALLAS, TX | [REGISTRATION](#) | [AGENDA](#)

WEBINARS

PROJECT 2021-03 – CIP-002 | APRIL 26, 2024 | [REGISTRATION](#)

COLD WEATHER PREPAREDNESS SMALL GROUP ADVISORY SESSION: GENERAL SESSION | MAY 6, 2024
[REGISTRATION](#)

OTHER MEETINGS

MEMBER REPRESENTATIVES COMMITTEE (MRC) PRE-MEETING AND INFORMATIONAL SESSION
APRIL 17, 2024 | [REGISTRATION](#)

RELIABILITY ISSUES STEERING COMMITTEE (RISC) | APRIL 17, 2024 | [AGENDA](#)

RAPA-SG MEETING | ST. PAUL, MN | APRIL 23, 2024 | [MEETING REGISTRATION – IN PERSON ATTENDEES](#)
[WEBEX MEETING ATTENDANCE](#) | [JOINT RSTC / SC WEBEX](#)

RESOURCES SUBCOMMITTEE (RS) MEETING | APRIL 24-25, 2024 | [IN-PERSON REGISTRATION](#) | [DAY 1 VIRTUAL ATTENDANCE](#) | [DAY 2 VIRTUAL ATTENDANCE](#)

PERSONNEL CERTIFICATION GOVERNANCE COMMITTEE MEETING | APRIL 30, 2024 | [REGISTRATION](#)

COMPLIANCE AND CERTIFICATION COMMITTEE MEETING | MAY 1-2, 2024 | [DAY 1 VIRTUAL REGISTRATION](#) | [DAY 2 IN-PERSON REGISTRATION](#)

BOARD COMMITTEE MEETINGS | MAY 8-9, 2024 | [SCHEDULE OF EVENTS](#) | [REGISTRATION](#)

STANDARDS COMMITTEE MEETING (SC) | JUNE 11-12, 2024 | SEATTLE, WA | AMAZON | [IN-PERSON REGISTRATION](#)
[VIRTUAL ATTENDANCE REGISTRATION](#)

FOR MORE INFORMATION ON THE UPCOMING EVENTS PLEASE VISIT OUR [NERC.COM](#) CALENDAR