



NORTHEAST POWER COORDINATING COUNCIL, INC.  
1040 AVE OF THE AMERICAS. NEW YORK. NY 10018 (212) 840-1070 FAX (212) 302-2782

September 11, 2019

Members, Reliability Coordinating Committee  
and  
Members, Task Force on Coordination of Operation  
Members, Task Force on Coordination of Planning  
Members, Task Force on Infrastructure Security and Technology  
Members, Task Force on System Protection  
Members, Task Force on System Studies

Re: Minutes of the May 29, 2019 RCC Meeting

Sir / Madam:

Attached are the Minutes of the May 29, 2019 meeting of the NPCC Reliability Coordinating Committee, as approved at the September 4, 2019 RCC meeting.

Sincerely,

*Phil Fedora*

Philip A. Fedora  
Assistant Vice President - Reliability Services

cc: NPCC Staff



**NORTHEAST POWER COORDINATING COUNCIL**  
**Reliability Coordinating Committee Minutes**  
**May 29, 2019**

Mr. Crissman called the meeting of the Reliability Coordinating Committee (RCC), held at the New York Times Square Residence Inn by the Marriott, New York, New York to order at 10:00 am.

**Attendance**

**Officers of the Reliability Coordinating Committee**

Randy Crissman, Chair	New York Power Authority
Dave Conroy, Co-Vice Chair	Central Maine Power Company
Gabriel Adam, Co-Vice Chair	Ontario IESO

**Sector 1 - Transmission Owners**

Central Hudson Gas & Electric Corporation	Frank Pace
Central Maine Power Company	David Conroy
Consolidated Edison Company of New York, Inc.	Martin Paszek – Alternate (via phone)
Eversource Energy	George Wegh
Hydro-One, Inc.	Ajay Garg - Alternate
Long Island Power Authority	(proxy to Robert Eisenhuth – via phone)
National Grid USA	Bart Farney – Alternate (via phone)
New York Power Authority	(proxy to Randy Crissman)
New York State Electric & Gas Corp.	(proxy to Dave Conroy)
Nova Scotia Power, Inc.	Joy Brake – Alternate
Rochester Gas and Electric Corp.	(proxy to Dave Conroy)
The United Illuminating Company	David Bradt
Vermont Electric Power Company, Inc.	Hantz Presume

**Sector 2 – Reliability Coordinators**

Hydro-Quebec TransEnergie	(proxy to Francis Monette)
ISO New England, Inc.	Michael Henderson
	Rich Kowalski – Alternate (via phone)
New Brunswick Power Corporation	(proxy to Randy MacDonald – via phone)
New York ISO	Zach Smith
	Kevin DePugh - Alternate
Ontario IESO	Gabriel Adam

**Sector 3 – Transmission Dependent Utilities, Distribution Companies and Load Serving Entities**

Consolidated Edison Company of New York, Inc.	(proxy to Martin Paszek – via phone)
Eversource Energy	Barry Bruun
Hydro-Quebec Distribution	Hakim Sennoun - Alternate (via phone)

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Long Island Power Authority	Robert Eisenhuth – Alternate (via phone)
National Grid	Mike Jones (via phone)
New York Power Authority	(proxy to Randy Crissman)
New Brunswick Power Corporation	Randy MacDonald (via phone)

**Sector 4 Generation Owners**

Consolidated Edison Company of New York, Inc.	(proxy to Martin Paszek – via phone)
Dominion Energy, Inc.	Sean Bodkin (via phone)
Long Island Power Authority	(proxy to Robert Eisenhuth – via phone)
New York Power Authority	Randy Crissman
NextEra Energy Resources	Allen Schriver (via phone)
Ontario Power Generation	David Kwan - Alternate
Talen Energy Supply, LLC	(proxy to Edward Schwerdt)

**Sector 5 – Marketers, Brokers, and Aggregators**

Consolidated Edison Company of New York, Inc.	Aleksandra Gofman (via phone)
Consolidated Edison Energy, Inc.	(via written proxy)
Long Island Power Authority	(proxy to Robert Eisenhuth – via phone)
New York Power Authority	(proxy to Randy Crissman)
Utility Services, Inc.	Brian Robinson - Alternate (via phone)

**Sector 6 – State and Provincial Regulatory and/or Governmental Authorities**

Long Island Power Authority	(proxy to Robert Eisenhuth – via phone)
New York Power Authority	(proxy to Randy Crissman)
New York State Department of Public Service	Humayun Kabir – Alternate (via phone)

**Sector 7 – Sub-Regional Reliability Councils, Customers, other Regional Entities and Interested Entities**

New York State Reliability Council, LLC	Roger Clayton
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**NPCC Staff**

Sal Buffamante	Assistant Vice President, Compliance
Gerard Dunbar	Manager, Reliability Criteria
Phil Fedora	Assistant Vice President, Reliability Services
Jessica Hala	Director, Finance and Accounting
Brian Hogue	Information Systems & Security Management
Andreas Klaube	Senior Engineer, Operations
Quoc Le	Manager, System Planning and Protection
Michael Lombardi	Manager, System Studies

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Jennifer Budd Mattiello (via phone)	Senior Vice President & COO
Andrey Oks	Director of Operations Coordination
Frantz Roc	Manager, Information Technologies
Paul Roman	Director, Operations Planning
Ralph Rufrano	Manager, Events Analysis
Rafael Sahiholamal	Senior Reliability Assessment & Performance Analysis Engineer
Peter Scalici (via phone)	Manager of Security Outreach Programs
Edward Schwerdt	President & CEO
Guy Zito	Assistant Vice President of Standards

**Guests**

Alessia Dawes	Chair, CP-11 Working Group
Aaron Markham	Chair, Task Force on Coordination of Operation
Anthony Napikoski	Vice Chair, Task Force on System Protection
Dan Schwarting	Vice Chair, CP-11 Working Group
Andrea Van Lien	Consolidated Edison Company of New York, Inc.
William Vesely	Vice Chair, Task Force on Infrastructure Security & Technology
Ben Wu	Orange & Rockland Utilities

**Quorum Statement**

Mr. Fedora indicated that a quorum had been achieved, by member attendance, proxy, or alternate designation. He also indicated he received the following written proxy:

**Sector 5 – Marketers, Brokers, and Aggregators**

Norman Mah– Consolidated Edison Energy, Inc.

**Antitrust Guidelines for NPCC Meetings**

Mr. Fedora reviewed the NPCC Antitrust Guidelines in the Agenda package, and suggested contacting NPCC Inc.'s Secretary, Ruta Skucas at (202) 530-6428 for further information.

**President & CEO Report**

**NERC Staff Report on Supply Chain Standards**

Mr. Schwerdt reported that when adopting the Supply Chain Standards in August 2017, the NERC Board of Trustees directed the NERC staff to study the cyber security risks associated with low impact assets not currently subject to the Supply Chain Standards and develop recommendations for follow-up actions that will best address identified risks.



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NERC staff, in its draft report under consideration by the NERC Board of Trustees, recommended revising the Supply Chain Standards to address Electronic Access Control or Monitoring Systems that provide electronic access control (excluding monitoring and logging) to high and medium impact BES Cyber Systems. Additionally, NERC staff recommended revising the Supply Chain Standards to address Physical Access Control Systems that provide physical access control (excluding alarming and logging) to high- and medium-impact BES Cyber Systems.

At this time and based on the available information, NERC staff does not recommend modification of the Supply Chain Standards to include all low impact BES Cyber Systems. However, NERC staff does recommend conducting additional data collection on low impact BES Cyber Systems through the use of industry surveys and questionnaires to support further evaluation. To encourage full and frank industry participation, NERC Staff also will likely recommend that these surveys be completed independently of any mandatory compliance monitoring process.

**ERO Enterprise Transformation**

As a follow-up to a series of Town Hall meetings held at NERC and each of the Regional Entities during early January of this year around the transformation of the ERO Enterprise (NERC and the Regional Entities, collectively) into a more effective and efficient partnership operating as a single synchronous machine, the leadership within the Enterprise recently met to affirm their commitment to the vision of a reliable and secure North American bulk power system and their support for the operational excellence of the Enterprise model. Takeaways from that meeting included a number of collective declarations in support of innovation and initiatives, collaboration and elimination of unnecessary duplication of efforts, and the development and sharing of harmonized messaging that leverages both Regional similarities and collective diversity.

**NPCC Draft 2020 Business Plan and Budget**

Mr. Schwerdt asked Ms. Hala to present NPCC's draft 2020 Business Plan and Budget provided in the Agenda package. Ms. Hala provided a brief overview of NPCC's draft 2020 Business Plan and Budget and presented the estimates for the other Regions and NERC. The first draft of NPCC's 2020 Business Plan and Budget has been posted on the NPCC website. She indicated that an email with a link to the draft was sent to NPCC's membership on May 1, 2019.

She indicated that the NPCC total budget and assessments are up by 2.1% over the 2019 budget, with the Regional Entity division at 2.2% and the Criteria Services division at 0.6%. Succession implementation related costs incurred in 2020 will be funded through the existing, Board approved, Business Continuity Reserves, and will have no impact on assessments. The 2020 business plan and budget includes an increase in the headcount of



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two full time equivalents; one in the compliance program area, and one in support of legal activities.

She stated that personnel expenses are the primary budget driver for NPCC. The 2020 budget includes a 3% average wage package increase and an 8% increase in insurance premiums, and with NPCC's low turnover, there is a zero vacancy rate. There are two additional FTE's; Compliance is up by one FTE, offset by a decrease in contract auditor expenses; and in Legal, one support FTE is expected, partially offset by decreased legal fees. Substantial reallocation, specifically within Contracts and Consultants expenses, made it possible to contain the increase in operating budget at 2.1%, while also planning for expanded assessments and studies in some areas.

Focus areas for NPCC in 2020 include:

- ✓ Standards - a Distributed Energy Resource (DER) Forum to look at potential benefits and impacts of DER on the reliable operation of the Bulk Electric System and for opportunities to provide coordinated Regional guidance for integrating DERs.
- ✓ Compliance - implementation of the ERO Enterprise CMEP tool, Align.
- ✓ Reliability Assessment and Performance Analysis - assessments of the changing resource composition, DER integration, enhancing resilience and identifying emerging risks to reliability.
- ✓ Situation Awareness - increasing emphasis on cyber and physical security outreach.

She described the allocation of resources across the program areas; Compliance being the largest program area. NPCC's Business Plan is fully aligned with the ERO Enterprise Operating Plan and Long-Term Strategy, and it is that business plan that drives the budget.

NERC's preliminary estimate is a 4% increase in budget, with a large portion of that increase related to the E-ISAC and the ERO Enterprise CMEP Tool, Align. SERC is projecting a 35% increase, which is related to absorbing the former FRCC registered entities. MRO has an estimated increase of 9.8%, the Texas RE at 5.8%, RF at 4.4%, and WECC at 3.0%. At 2.2%, NPCC has the lowest budget increase out of the all of the Regional Entities.

Mr. Schwerdt noted that Mr. Paul Roman, Director, Operations Planning will be retiring at the end of the month, and thanked him for his dedication and commitment to NPCC over his almost 19 years of service. The RCC recognized his contributions, including facilitating the NPCC Operator's Training Seminars and effectively representing NPCC in his associated ERAG and NERC activities, and wished him the best of luck in his retirement.



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**Chair Report**

**Agenda**

Mr. Crissman reviewed the Agenda provided in the Agenda package; he noted that discussion of the June and July FERC Conferences and the Cyber & Security Update will be moved from the Informational Item to the Discussion Items.

**The RCC then approved the Agenda provided in the Agenda package.**

**Electromagnetic Pulse**

Mr. Crissman reported on the following items included in the Agenda package:

**ESCC-DOE Electromagnetic Pulse (EMP) Working Group**

On March 27, 2019, the Electricity Subsector Coordinating Council (ESCC) directed the ESCC R&D Strategic Committee to support, on behalf of the electricity subsector, the U.S. Department of Energy (DOE) in responding to the March 26, 2019 Presidential Executive Order (EO) on Coordinating National Resilience to Electromagnetic Pulses.

**NERC Electromagnetic Pulses (EMP) Task Force**

Following the March 9, 2019 NERC Board of Trustees meeting, NERC established an EMP Task Force to identify and address EMP reliability concerns. The mission of the task force is to 1) review the recently published EPRI report that assessed potential EMP impacts and possible mitigation actions for transmission assets and 2) recommend possible reliability guidelines and/or reliability standard requirements. Key milestones include publishing initial draft recommendations, guidelines and best practices to NERC Technical Committees by Q3 2019, and, if applicable, proposing any Standard Authorization Requests(s) to the NERC Standards Committee by Q4 2019.

**BES Cyber Security Systems Supply Chain Risk Management**

Mr. Crissman reported that representatives of NERC, the electricity sector trade associations (EEI, APPA, and NRECA), the ESCC, the North American Transmission Forum, the North American Generator Forum, and others met following the May NERC Board of Trustees meeting to discuss possible options for establishing mechanisms for supplier certification of BES cyber assets that would satisfy the requirements of the NERC supply chain risk management standards. There was agreement to further pursue this objective and a follow-up discussion is scheduled for June 28, 2019.

**May 16, 2019 Distributed Energy Resources Forum**

Mr. Zito summarized the material provided in the Agenda package regarding the NPCC Regional Standards Committee efforts to develop a coordinated Regional approach to reliability guidelines for Distributed Energy Resources (DERs) and create a forum for DERs and expand coordination on DERS with the NEGF, FERC and NARUC.





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**Cyber Risk Information Sharing Program**

Mr. Roc reviewed the Cyber Risk Information Sharing Program (CRISP) information provided in the Agenda package, and explained that NPCC will join as of August 1, 2019. The following will be monitored by CRISP:

- ✓ NPCC Website
  - Members
  - Public
- ✓ NPCC Email

As a result, all identified CEII information will be moved to a new secure ShareFile application.

**Standards Efficiency Review**

Mr. Crissman summarized the Phase 1 and Phase 2 activities associated with the NERC Standards Efficiency Review provided in the Agenda package.

**Consent Agenda**

The Reliability Coordinating Committee unanimously approved the following Consent Agenda items (written proxy in favor):

**February 27, 2019 Meeting Minutes**

Approved as provided in the Agenda package.

**RCC Membership Changes**

No changes to the RCC membership were received.

**Task Force Roster Changes**

The following changes to Task Force and Working Group memberships were approved:

**Task Force on Coordination of Planning**

- ✓ Hantz A. Présumé of Vermont Transco joins as a new member.
- ✓ Yves Dufort of Hydro-Quebec Distribution will no longer be a member.

**Task Force on Coordination of Operation**

- ✓ Akram Sohail as an alternate representative of Hydro One, Inc.
- ✓ Charles-Eric Langlois as the new main representative of Hydro-Quebec TransÉnergie, replacing Patrick Doyle, who will become the alternate representative.

**Task Force on System Studies**

- ✓ George Fatu of the Ontario IESO succeeds Kevin DePugh of the New York ISO as the Chairman.
- ✓ Keith Burrell succeeds Kevin DePugh as a member, both of the New York ISO.
- ✓ Kevin DePugh succeeds Keith Burrell as an alternate member, both of the New York ISO.





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**Task Force on System Protection**

- ✓ Anthony Napikoski as the new Chair.
- ✓ John Babu was nominated as the new Vice Chair.
- ✓ Rob Musial succeeds Alex Echeveria as the member for the New York Power Authority.
- ✓ Eric Anderson as an alternate for the New York Power Authority.
- ✓ William Sawyer from Avangrid will no longer be a member.
- ✓ Ben Wu of Orange & Rockland Utilities, Inc. as a member.

**Task Force on Infrastructure Security & Technology**

- ✓ Rex Wong succeeds Sheraz Majid as the representative of Hydro One, Inc.
- ✓ Philippe Comperon succeeds Mario Lajoie as the representative for Hydro-Quebec TransEnergie.
- ✓ Quintin Lee as an alternate for Eversource Energy.
- ✓ Denise Noguchi as an alternate for the Ontario IESO.
- ✓ Chris Boehm as an alternate for ISO-New England, Inc.
- ✓ Jodi Nicalek as an alternate for National Grid.
- ✓ Elaine Bell as an alternate for the New York ISO.
- ✓ Thomas Savin as an alternate for the New York Power Authority.
- ✓ Victor Costanza as an alternate of the New York Power Authority.
- ✓ Jeff Mercer as an alternate of Nova Scotia Power, Inc.
- ✓ Lee McDonald as an alternate for Nova Scotia Power, Inc.
- ✓ Glen Dempster as an alternate for Ontario Power Generation Inc.
- ✓ Parisa Mahdian as an alternate for Ontario Power Generation Inc.
- ✓ Kip Winrow as an alternate for Consolidated Edison Company of New York, Inc.
- ✓ Robert Thompson of Central Maine Power Company is no longer on the group.
- ✓ Khalil Shaikh of Eversource Energy is no longer on the group.
- ✓ Alain Vallieres of Hydro-Quebec TransEnergie is no longer on the group.
- ✓ Wendy Ardizzone of The United Illuminating Company is no longer on the group.
- ✓ Ed Kopf of Orange and Rockland Utilities, Inc. is no longer on the group.

**CO-1 Control Performance Working Group**

- ✓ Megan Doner succeeds Ms. Candida D'Costa as an alternate for the Ontario IESO.
- ✓ Zahid Qayyam becomes an alternate for the New York ISO.

**CO-2 Operator Trainers Working Group**

- ✓ Hector Nunez is no longer an alternate representative of ISO-New England, Inc.
- ✓ Andreas Klaube succeeds Paul Roman as NPCC facilitator.
- ✓ Andrey Oks succeeds Andreas Klaube as NPCC alternate.
- ✓ Joy Brake succeeds Ms. Nicole Mosher as an alternate for Nova Scotia Power, Inc.

**CO-8 System Operations Managers Working Group**

- ✓ Udayan Nair succeeds Kyle Russell as an alternate for the Ontario IESO.

**CO-11 Working Group on Restoration**

- ✓ Robert Coughlin is no longer an alternate representative of ISO-New England, Inc.
- ✓ Adam Tschirhart becomes an alternate representative of the Ontario IESO.



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**CO-12 Operations Planning Working Group**

- ✓ Courtney Fasca succeeds Kevin Clark as an alternate for ISO-New England, Inc.
- ✓ Tim Hicks (NBSO) succeeds Kyle Ardolino (New York ISO) as Vice Chair.
- ✓ Tim Fryfogle succeeds Paul Kure as the representative for ReliabilityFirst.

**SP-7 Working Group on Protection System Misoperation Review**

- ✓ Alex Mutty from Central Maine Power will no longer be a member.

**SS-37 Working Group on Base Case Development**

- ✓ Eric Madison will serve as an alternate member for ISO-New England, Inc.
- ✓ Fatouma Bagnan will serve as an alternate member For Hydro One, Inc.

**SS-38 Working Group on Inter-Area Dynamic Analysis**

- ✓ Edward Davidian succeeds Mohamed Younis as an alternate member, both of the Ontario IESO.
- ✓ Peter Huynh succeeds John Charlton as a member for Nova Scotia Power, Inc.

**S-38 Load Modeling Working Group**

- ✓ Mohab Elnashar succeeds Isen Widjaja as alternate member, both of the Ontario IESO.
- ✓ Kai Ni succeeds Daniele D'Aquila, who recently retired, as a member for the New York ISO.

**IST-2 Telecommunications Working Group**

- ✓ John Caravaca removed as a representative of ISO New England, Inc.
- ✓ Scott Brennan removed as a representative of the New York ISO.

**IST-4 Working Group on Cyber Security**

- ✓ Anthony Napikoski as an alternate of The United Illuminating Company.

**IST-5 Physical Security Working Group Roster**

Approved as provided in the Agenda package.

**Task Force on Coordination of Operation Scope**

Approved as provided in the Agenda package.

**Task Force on Infrastructure Security & Technology Scope**

Approved as provided in the Agenda package.

**NPCC CIPC Representatives**

Recommended as provided in the Agenda package.

**2018 New York Intermediate Area Transmission Review**

Approved as provided in the Agenda package.



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**NPCC Bulk Power System List Update**

Approved as provided in the Agenda package.

**Items for Discussion**

**Status of NPCC A-10 Document**

Ms. Dawes provided a summary of the CP-11 Working Group's review of the NPCC A-10 Document - *Classification of Bulk Power System Elements* provided in the Agenda package. The recommendations contained in the Phase 2 Final Report (approved at the December 4, 2018 RCC meeting) have been incorporated into a revised version of the A-10 Document.

The revisions to the methodology are consistent with the recommendations contained in the Phase 2 Final Report and include modifications to the existing performance based test which incorporate improvements to the base case set-up and the utilization of specific performance requirements (instability, cascading and net L/O Source or L/O Load greater than an Area's threshold) to evaluate testing outcomes. An element exclusion process for applicability to NPCC Directory No. 1 - *Design and Operation of the Bulk Power System* has also been proposed.

The exclusion process consists of both automatic and study-based exclusions and recognizes that once protection system redundancy as required by Directory No. 4 *System Protection Criteria* has been achieved, there may not be a need to categorize every element as critical for Directory No. 1 applicability.

The draft revised A-10 Document is currently posted to the NPCC Open Process for a 45 day comment period through July 1, 2019.

**2019 NPCC Corporate Goals Deliverables**

**Goal I-1**

Mr. Zito summarized the steps being taken to develop a coordinated Regional approach to reliability guidelines for distributed energy resources provided in the Agenda package.

**Goal III-2**

Mr. Sahiholamal reported on the better practice elements that registered entities have used to reduce their protection system misoperations provided in the Agenda package. This goal was reviewed at the March SP-7 Working Group meeting. On a follow-up teleconference in April, the SP-7 Working Group discussed and identified a number of opportunities which registered entities can implement to reduce protection system misoperations. The Task Force on System Protection reviewed the information at its May meeting and concurred.



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Goal IV-2

Mr. Fedora presented the NPCC Long-Range Energy Security approach, scenarios and assumptions provided in the Agenda package that are being developed for a scenario-based impact analysis for a range of potential future (2024) conditions, including fuel availability, environmental constraints, resource mix and load forecast (weather) assumptions. This goal was discussed at the CP-8 Working Group and the Task Force on Coordination of Planning.

Goal V-1

Mr. Scalici described the establishment of the NPCC Physical Security Working Group (IST-5) and presented its charter, provided in the Agenda package. The Task Force on Infrastructure Security & Technology approved this charter on April 25, 2019.

**NERC Agenda Items**

*Joint Session: Planning, Operating & Critical Infrastructure Protection Committee*

Mr. Oks reviewed the following presentations scheduled for the June 4, 2019 Joint Session included in the Agenda package:

- ✓ 2019 State of Reliability Report;
- ✓ 2019 Summer Reliability Assessment;
- ✓ Stakeholder Effectiveness and Efficiency Initiative;
- ✓ EMP Task Force and Actions;
- ✓ California Utilities Power Shut Off Program;
- ✓ Texas/ERCOT Summer Resource Preparation;
- ✓ Electric Gas Working Group Update; and,
- ✓ Standards Efficiency Review.

*Operating Committee (OC) Meeting*

Mr. Rufrano highlighted the following items from the June 4-5, 2019 OC Agenda included in the Agenda package:

Items for Approval, Endorsement, or Acceptance:

- ✓ Resources Subcommittee - Reliability Guideline: Primary Frequency Control – Approval;
- ✓ Event Analysis Subcommittee - ERO Events Analysis Process –Authorization to post for a 45- day industry comment period;
- ✓ 2019 State of Reliability Report – Approval;
- ✓ Data Exchange Information Requirements Task Force Compliance Guidance on the clarification of “redundant and diversely routed” language and testing requirements from TOP-001-4, R20 and R21 – Approval;
- ✓ Real-time Assessments Quality Task Force Guidance Document– Approval; and,
- ✓ Inverter-based Resources Performance Task Force Updated Scope – Approval.



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Planning Committee (PC) Meeting

Mr. Fedora highlighted the following items from the Draft June 4-5, 2019 Planning Committee Agenda included in the Agenda package:

Reliability Guidelines

- ✓ Application Guide for Modeling Turbine-Governor and Active Power- Frequency Controls in Stability Studies – Approval; and,
- ✓ DER\_A Model Parameterization – Authorization to Post for a 45-day comment period.

Items for Approval, Endorsement, or Acceptance

- ✓ State of Reliability 2019 Report – Endorse;
- ✓ Modeling Notifications Process – Approval;
- ✓ Revisions to Inverter-based Resources Performance Task Force Scope Update Scope – Approval;
- ✓ Electric-Gas Working Group Scope – Approval; and,
- ✓ SAR for PRC-019-2 – Coordination of Generating Unit or Plant Capabilities, Voltage Regulating Controls, and Protection – Endorse.

Discussion Topics:

- ✓ Draft SAR: Revisions to MOD-032-1 to Address Distributed Energy Resources Modeling Data – Request for Reviewers;
- ✓ Eastern Interconnection Planning Coordinators Overview of Historic and Current Initiatives; and,
- ✓ Proposed Battery and Energy Storage Workshop.

He also noted that the PC will also be seeking nominations for Chair and Vice Chair at the meeting.

Critical Infrastructure Protection Committee (CIPC)

Mr. Hogue noted the following items from the June 4-5, 2019 CIPC Agenda included in the Agenda package:

Voting Items (updated Working Group Scopes):

- ✓ Security Metrics;
- ✓ Compliance Input;
- ✓ Grid Exercise;
- ✓ Supply Chain;
- ✓ Control Systems Security;
- ✓ Security Training; and,
- ✓ Physical Security.

Informational/discussion Topics:

- ✓ Supply Chain update;
- ✓ RISC survey results; and,
- ✓ Generator Forum - CIP Low Impact Procedure Sharing.



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**FERC Conferences**

Mr. Fedora highlighted the following upcoming FERC Conferences included in the Agenda package:

- ✓ June 27, 2019 Technical Conference to discuss policy issues related to the reliability of the Bulk-Power System; and,
- ✓ July 15, 2019 staff-led public meeting regarding efforts to develop permanent revisions to the ISO New England Transmission, Markets and Services Tariff reflecting improvements to its market design to better address regional fuel security concerns. ISO New England, the New England States Committee on Electricity, and the New England Power Pool Participants Committee jointly requested this public meeting to share with Commission staff information about efforts to develop these proposed Tariff revisions without violating the Commission's *ex parte* rules.

**Cyber & Physical Security Update**

Mr. Vesely reviewed the following Cyber & Physical Security information provided in the Agenda package:

- ✓ CIP Modifications Standards Drafting Team;
- ✓ BES Cyber Systems Information Standards Authorization Request;
- ✓ Incident Reporting and Response Planning;
- ✓ Communications between Control Centers;
- ✓ Low Impact (CIP-003);
- ✓ Supply Chain Risk Management (CIP-013, CIP-005 and CIP-010); and,
- ✓ Communications (TOP-001 & IRO-002)

**Informational Items**

Mr. Crissman referred the RCC to the materials provided in the Agenda package.

With no other matters to consider, the RCC meeting was adjourned.

**Next RCC Meeting Date**

Wednesday, September 4, 2019

**Location**

The New York Times Square  
Residence Inn by the Marriott  
New York, New York

**Distribution of Approved Minutes**

NPCC Full & General Member Representatives and Alternates  
Members, NPCC Board of Directors  
Members, NPCC Reliability Coordinating Committee  
Members, NPCC Public Information Committee  
Members, NPCC Compliance Committee  
Members, NPCC Regional Standards Committee  
Members, NPCC Task Force on Coordination of Operation  
Members, NPCC Task Force on Coordination of Planning  
Members, NPCC Task Force on Infrastructure Security and Technology  
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Members, NPCC Task Force on System Protection

Members, NPCC Task Force on System Studies

NPCC Officers

NPCC Staff

Ruta Skucas, Esq.

and

Federal Energy Regulatory Commission – Andy Dodge, David Ortiz, David O’Connor,  
Juan Villar

La Régie de L’Énergie – Guy Fortin

Ontario Energy Board – Veronica Mendes

United States Department of Energy – David Meyer

New Brunswick Department of Energy and Mines – David Sallows

Nova Scotia Utility & Review Board – S. Bruce Outhouse, Q.C.