



NORTHEAST POWER COORDINATING COUNCIL, INC.
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December 8, 2017

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 September 6, 2017 RCC Meeting

Sir / Madam:

Attached are the minutes of the September 6, 2017 meeting of the NPCC Reliability Coordinating Committee, as approved at the December 5, 2017 RCC meeting.

Sincerely,

Phil Fedora

Philip A. Fedora
Assistant Vice President-Reliability Services

cc: NPCC Staff



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

Attendance

Officers of the Reliability Coordinating Committee

Brian Evans-Mongeon, Chair	Utility Services, Inc.
Randy Crissman, Co-Vice Chair	New York Power Authority
Dave Conroy, Co-Vice Chair	Central Maine Power Company

Sector 1 - Transmission Owners

Central Hudson Gas & Electric Corporation	Frank Pace - Alternate
Central Maine Power Company	David Conroy
Consolidated Edison Company of New York, Inc.	Martin Paszek - Alternate
Eversource Energy	George Wegh
Hydro-One, Inc.	Tom Irvine
Long Island Power Authority	Anie Philip - Alternate (via phone)
National Grid USA	Bryan Hayduk - Alternate (via phone)
New Brunswick Power Corporation	Randy MacDonald - Alternate (via phone)
New York State Electric & Gas Corp.	Ray Kinney (via phone)
Nova Scotia Power, Inc.	(via written proxy)
The United Illuminating Company	David Bradt
	Silvia Valerio - Alternate
Vermont Electric Power Company, Inc.	Hantz Presume (via phone)

Sector 2 – Reliability Coordinators

Hydro-Quebec TransEnergie	Francois Brassard
Ontario IESO	Gabriel Adam
	Nicholas Ingman – Alternate
ISO-New England, Inc.	Mike Henderson (via phone)
New York ISO	(proxy to Kevan DePugh)

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

Consolidated Edison Company of New York, Inc.	(proxy to Martin Paszek)
Hydro Quebec Distribution	(via written proxy)
Long Island Power Authority	(proxy to Anie Philip - via phone)
New York Power Authority	(proxy to Randy Crissman)



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Sector 4 Generation Owners

Consolidated Edison Company of New York, Inc.	Peter Yost
Dominion Resources Services, Inc.	Sean Bodkin (via phone)
Dynegy Inc.	Ken Stell (via phone)
Eversource Energy	(via written proxy)
Long Island Power Authority	Lucyna Khazanovich (via phone)
New York Power Authority	Randy Crissman
NextEra Energy Resources	Allen Schriver (via phone)
Ontario Power Generation, Inc.	David Ramkalawan

Sector 5 – Marketers, Brokers, and Aggregators

Consolidated Edison Company	(proxy to Martin Paszek)
Long Island Power Authority	(proxy to Anie Philip – via phone)
Utility Services, Inc.	Brian Evans-Mongeon

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

Long Island Power Authority	(proxy to Anie Philip – via phone)
New York Power Authority	(proxy to Randy Crissman)
New York State Department of Public Service	Ed Schrom (via phone) Humayun Kabir Alternate – (via phone)

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

New York State Reliability Council, LLC	(via written proxy)
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NPCC Staff

Sal Buffamante	Assistant Vice President Audits and Risk Assessment
Gerry Dunbar	Manager of Reliability Criteria Requirements
Phil Fedora	Assistant Vice President, Reliability Services
Damase Hebert	Senior Compliance Attorney
Brian Hogue	Information Systems & Security Management
Andreas Klaube	Engineer, Operations
Stanley Kopman	Assistant Vice President Compliance Enforcement and Mitigation
Michael Lombardi	Manager, System Studies
Jennifer Budd Mattiello (via phone – part-time)	Senior Vice President & COO
Andrey Oks	Director of Operations Coordination
Lee Pedowicz	Manager, Reliability Performance and Criteria Assessment



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Rafael Sahiholamal	Senior Reliability Engineer
Paul Roman	Director, Operations Planning
Jenifer Vallance	Senior CIP Analyst
Edward Schwerdt	President & CEO
(via phone – part-time)	

Guests

Guillaume Beaudoin	Hydro-Quebec TransEnergie
Alessia Dawes	Chair, CP-11 Working Group
Girard Elliott (via phone)	ISO New England
Farzad Farahmand	Ontario IESO
John Helme	Chair, Task Force on Infrastructure Security & Technology
Dean Latulip	National Grid
Sofia Gadea Omelchenko	Consolidated Edison Company of New York, Inc.
Boris Shulim	Orange & Rockland Utilities
Ben Wu	Orange & Rockland Utilities
Khatune Zannat	PSEG Long Island

Quorum Statement

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

Sector 1 – Transmission Owners

Paul Casey – Nova Scotia Power, Inc.

Sector 3 – TDUs, Dist, and LSE

Abdelhakim Sennoun – Hydro-Quebec Distribution

Sector 4 – Generator Owners

Terrance Lange – Eversource Energy

Sector 7 – Sub Regional Reliability Councils, REs and Others

Roger Clayton – New York State Reliability Council

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.



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President & CEO Report

Mr. Schwerdt reported from the NPCC Board annual strategy session at the New England offices of its corporate secretary, Pierce Atwood in Portland ME. He stated the items to be covered during the Board's deliberation are the ERO Long-Term Strategic Plan, and specifically how NPCC should position itself in a rapidly changing industry in order to continue to provide necessary reliability assurance services to the international, interconnected Northeastern North America.

ERO Enterprise Long Term Strategic Plan

On August 21-22, 2017, the ERO Executive Management Group, the NERC and the Regional Entity Presidents met to review and incorporate comments submitted by the NERC Board, the Member Representatives Committees, and numerous industry organizations on the first draft of an ERO Enterprise Long-Term Strategy into a revised draft of a Long-Term Strategy document. The objective of the strategic plan is to examine how changes in the industry and in the reliability ecosystem itself, (that is the complex operational interactions necessary to maintain reliability) will impact the abilities to achieve a highly reliable and secure North American bulk electric system. A working version of the six revised focus areas to support reliability into the future can be put into three buckets:

- ✓ Preserving and building upon current achievements - which includes: achieving and maintaining effective risk-based operations; and being more effective and efficient;
- ✓ Adapting to Change - which includes: identifying and assessing emerging risks; promoting leading security practices, information sharing, analysis, and resilience, and knowledge transfer and effective communications; and,
- ✓ International Interdependency - which includes: strengthening engagement across North America.

A revised ERO Enterprise Operating Plan was also developed that includes additional clarification regarding the NERC and Regional Entity contributing activities. The proposed 2018 ERO Enterprise Metrics that focus on BPS reliability and security performance were modified. These revised documents are scheduled to be available for industry review and comment in the early part of this month. The NERC Board of Trustees will be considering all of this material for approval at its November 2017 meeting.

BES – Distribution Reliability Interface

With the rapid expansion of non-traditional, variable energy resources, often on the distribution system, and the retirement of conventional base-load generation, the lines between transmission and distribution reliability are becoming blurred. As the generation resource mix continues to evolve, the reliability and adequacy of the electric grid will depend to a larger and larger extent on the operating characteristics of the replacement resources.

The report on the 2017 NPCC Reserve Margin Evaluation is an excellent example of the utilization of advanced probabilistic techniques to perform a sensitivity analysis around the



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uncertainties in the calculation of NPCC Area reserve margins. Assessments of the impacts of distributed energy resources on blackstart plans, and the coordination of inverter based technology and digital control systems with bulk power protection systems would also seem to be appropriate future efforts for the RCC and Task Forces to consider.

Additionally, the electric system is facing increasing physical and cyber threats resulting in an emphasis on resiliency; the ability to anticipate, absorb, adapt and recover from disruptive events. As a possible future activity, NPCC could initiate the development of a resiliency guideline document to better frame industry coordination and collaboration on this issue.

Chair Report

Agenda

The RCC approved the Agenda provided in the Agenda package.

Development of the 2018-2019 Task Force/RCC Work Plans

Mr. Evans-Mongeon reminded the Task Force Chairs and the RCC that review and approval of their respective proposed 2018 - 2019 Task Force Work Plans will take place at the December 5, 2017 RCC meeting.

Mr. Fedora indicated he would provide the Task Force Chairs the draft ERO Strategic Plan, when available, to help inform the development of their respective 2018-2019 Work Plans.

RCC Scope

Mr. Evans-Mongeon stated that the review of the RCC Scope will be moving to a year-end review and recommendation for NPCC Board approval at the December RCC meeting; he asked the RCC to review the RCC Scope and provide comments and input, including consideration of the alignment with the ERO Long-Term Strategic Plan, Operating Plan, and 2018 metrics.

NPCC 2017 General Meeting

Mr. Evans-Mongeon reported that the NPCC 2017 General Meeting will be held at The Colonnade Boston Hotel, Boston MA the afternoon of December 5, 2017, following the NPCC Annual Meeting of the Members. – he encouraged the RCC members to make plans to attend and participate. Mr. Fedora then summarized the topics and speakers invited for this year's NPCC General Meeting.

2017 Solar Eclipse

Mr. Evans-Mongeon lead a discussion regarding the observed impact of the August 21st solar eclipse on the NPCC system.



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2018 RCC Meeting Dates

Mr. Evans-Mongeon noted the 2018 RCC meeting dates and locations included in the Agenda package:

Wednesday, February 28, 2018	New York Times Square Residence Inn by the Marriott, NYC
Wednesday, May 30, 2018	New York Times Square Residence Inn by the Marriott, NYC
Wednesday, September 5, 2018	Saratoga Courtyard Marriott, Saratoga Springs, NY
Tuesday, December 4, 2018	The Westin Prince Hotel, Toronto, ON (in conjunction with the NPCC Board/Annual/General Meetings)

Consent Agenda

The Reliability Coordinating Committee unanimously approved the following Consent Agenda items (all written proxies in favor).

May 31, 2017 Meeting Minutes

The Draft-For-Approval Minutes of the May 31, 2017 Reliability Coordinating Committee were approved, as provided in the Agenda package, with corrections noted.

RCC Membership Changes

The following changes to RCC Membership were approved:

Sector 5 - Marketers, Brokers and Aggregators

- ✓ Ms. Sofia Gadea Omelchenko succeeds Ms. Alyson Slanover as a member, both of Consolidated Edison Company of New York, Inc.
- ✓ Ms. Alyson Slanover succeeds Mr. Vitaly Spitsa as the alternate, both of Consolidated Edison Company of New York, Inc.

Task Force Roster Changes

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

Task Force on System Protection

- ✓ Mr. Brian Langlais of Utility Services to serve as a member.

Task Force on Coordination of Planning

- ✓ Mr. Benoît Delourme succeeds Ms. Caroline Beaulieu-Côté as the alternate for Hydro-Quebec TransÉnergie.



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Task Force on Infrastructure on Security and Technology

- ✓ Mr. Dan Grinkevich succeeds Mr. Brian O'Boyle as a member, both of Consolidated Edison Company of New York, Inc.
- ✓ Mr. David Benton of Eversource Energy to serve as an alternate.
- ✓ Ms. Suzanne Black of ISO-New England, Inc. to serve as an alternate.
- ✓ Ms. Jenifer Vallace of Northeast Power Coordinating Council, Inc. to serve as an alternate.

CO-8 Working Group on System Operations Managers

- ✓ Mr. Kyle Russell will replace Mr. Samuel Jager as an alternate, both of the Ontario Independent Electricity System Operator.
- ✓ Mr. Nicola Presutti succeeds Mr. Len Johnson as a member, both of the Ontario Independent Electricity System Operator.

CO-11 Working Group on Restoration

- ✓ Mr. David Servos succeeds Mr. Mike Lawson as an alternate, both of Hydro-One, Inc.
- ✓ Mr. Harsh Dinesh of New York Independent System Operator to serve as an alternate.

CP-8 Working Group on Review of Resource and Transmission Adequacy

- ✓ Ms. Lucyna Khazanovich to serve as a member and Ms. Khatune Zannat to serve as the alternate, both of PSEG Long Island.

SS-38 Working Group on Inter-Area Dynamic Analysis

- ✓ Mr. John Charlton succeeds Mr. Jay Nair as a member, both of Nova Scotia Power, Inc.

2017 NPCC Major Project List

The 2017 NPCC Major Project List was approved, as provided in the Agenda package.

New England – Directory No. 1 Implementation Plan

The New England – Directory No. 1 Annual Implementation Plan update was approved, as provided in the Agenda package.

National Grid - Brayton Point LOLA SPS No. 20 Type II Retirement

Retirement of the National Grid - Brayton Point LOLA Type II SPS No. 20 Type II was approved, as provided in the Agenda package.

NPCC representatives to NERC's Critical Infrastructure Protection Committee

The TFIST recommendations for NPCC representatives on the NERC Critical Infrastructure Protection Committee was approved as provided in the Agenda package.



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Reliability Coordinating Committee Actions

NPCC Multi-Area Probabilistic Reliability Assessment for Winter 2017/2018

Mr. Fedora provided an overview of the NPCC Multi-Area Probabilistic Reliability Assessment for Winter 2017/2018 provided in the Agenda package. The Task Force on Coordination of Planning reviewed this report at its August 15-16, 2017 meeting and recommends RCC approval.

Mr. Ramkalawan requested more explanation be provided in the load modeling section of the report explaining how the probability weighted average value of the reliability indices are derived from the specified load levels. Mr. Fedora indicated that the additional requested explanation would be included.

With that consideration, the RCC then unanimously approved the NPCC Multi-Area Probabilistic Reliability Assessment for Winter 2017/2018 provided in the Agenda package - all written proxies in favor.

Revision of NPCC Directory No. 8 – System Restoration

Mr. Elliott, representing the CO-11 Working Group, described the changes included in the revised draft of NPCC Regional Reliability Directory No. 8 System Restoration included in the Agenda package.

The NPCC Task Force on Coordination of Operation (TFCO) and its CO-11 Restoration Working Group conducted a comprehensive review of Directory No. 8 to ensure that the criteria in the document is consistent with the evolving NERC Standards and to reformat the revised criteria into NERC style requirements.

Directory No. 8 was posted to the NPCC Open Process for three 45-day postings and the TFCO has responded to all comments. Contingent upon RCC approval and in accordance with the NPCC Bylaws, this document will be presented to the NPCC Full Membership for final approval by ballot.

The RCC then unanimously recommended (all written proxies in favor) retirement of NPCC Directory No. 8 – System Restoration be presented to the NPCC Full Membership for final ballot approval.

Hydro-Quebec TransÉnergie – Modifications to the Quebec Type II SPS No. 151

Mr. Beaudoin described the Hydro-Québec (HQ) TransÉnergie modifications of the Quebec Type II Special Protection System (SPS) No. 151. HQ has two new hydro plants under construction on the Romaine River, which is in the North Shore area of Québec. The Romaine-3 power plants (396 MW) will be fully commissioned in December 2017 but the



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first generator is planned in July 2017. The Romaine-4 power plant (244 MW) is planned to be completed in 2020. The two new power plants will be connected to the Montagnais substation by the same radial 315 kV single circuit line.

In July 2017, as the first generator will be connected to the transmission system, unstable islanded operation might occur following an extreme contingency on the 735 kV systems. To address these issues, the SPS No. 151 needs to be modified to take action on the new and existing 315 kV system at Montagnais substation to make sure no equipment rating is exceeded.

The Task Force on Coordination of Planning (TFCP) reviewed the findings (included in the Agenda package) of the Task Force on System Protection, the Task Force on Coordination of Operation, and the Task Force on System Studies at its July 13, 2017, meeting. The TFCP reviewed this SPS reclassification for conformance with NPCC Regional Reliability Reference Directory No. 1 *Design and Operation of the Bulk Power System*, and recommendations RCC approval.

The RCC then approved the modification of SPS No. 151 provided in the Agenda package - all written proxies in favor (Consolidated Edison – Sectors 1, 3, 4, 5 – abstain).

Ontario – IESO Typing/Modification of SPS No. 107 (from Type III to Type I)

Mr. Farahmand described the reclassification the Ontario Darlington Type III Special Protection System (SPS) No. 107 to Type I provided in the Agenda package. The Darlington generation rejection scheme was classified as a Type III SPS in 1995. In 2010, after major transmission changes, this scheme was altered with new contingencies related to the Bowmanville-Cherrywood-Claireville 500 kV corridor. At that time, the IESO determined that the modified scheme would need to be reclassified as a Type I SPS because its failure could have adverse impact outside of the local area. Since physical separation between the two redundant schemes cannot easily be implemented in the Darlington nuclear site, the SPS was disabled and its NPCC re-classification was postponed until the Type I design requirements could be met.

Task Force on Coordination of Planning (TFCP) reviewed the findings (included in the Agenda package) of the Task Force on System Protection, the Task Force on Coordination of Operation, and the Task Force on System Studies at its August 15-16, 2017, meeting. The TFCP has reviewed this SPS reclassification for conformance with NPCC Regional Reliability Reference Directory No. 1 *Design and Operation of the Bulk Power System*, and recommendations RCC approval.



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The RCC then approved the typing modification of SPS No. 107 (from Type III to Type I) provided in the Agenda package - all written proxies in favor (Consolidated Edison – Sectors 1, 3, 4, 5 votes - no; Utility Services – Sector 5 – abstains).

Assessment Report for the 2016 CCEP Implementation Plan

Mr. Kopman explained that the CCEP-1 Process Document directs the Compliance Committee to present an annual assessment report for approval at the 3rd quarter RCC meeting. The assessment report included in the Agenda package summarizes the Compliance Committee's review and findings associated with the certifications submitted as per the 2016 CCEP Implementation Plan. He reported that on June 14, 2017, the Compliance Committee voted to approve the Assessment Report for the 2016 CCEP Implementation Plan.

The RCC then unanimously approved the Assessment Report for the 2016 CCEP Implementation Plan provided in the Agenda package - all written proxies in favor.

Items for Discussion

Review of the NPCC A-10 Criteria Review

Ms. Dawes described the progress of the CP-11 Working Group's review of the NPCC Document A-10 - Classification of Bulk Power System Elements included in the Agenda package. She reviewed the CP11 Working Group Action Plan, the existing A-10 methodology and proposed alternate methodologies under development. The following deliverables and milestones were discussed:

September 2017

Interim-Deliverable No. 2 - Submit summary of Tasks Nos. 2 & 3 for TFCP comment.

October 2017

Deliverable No. 2: Submit Proposed Methodology(s) for Task Force consideration.

November 2017

Obtain NPCC Task Force comments.

December 2017

Present Proposed Methodology(s) to RCC for consideration; and,
Milestone No. 2: - Obtain RCC endorsement of Proposed Methodology(s) for Phase 2 testing.

Mr. Evans-Mongeon suggested an early November RCC conference call as a way to inform the RCC members of the Task Force discussions prior to the December RCC meeting. The



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RCC agreed. Mr. Evans-Mongeon indicated he would work out the timing with CP-11 Working Group.

Status of NPCC Nuclear Facilities

The RCC discussed the reliability considerations associated with the announced nuclear retirements in NPCC.

Mr. Adam presented Ontario's Nuclear Schedule provided in the Agenda package; Mr. DePugh reported on New York's nuclear facilities; Mr. Henderson reviewed the status of New England's nuclear units.

IEEE 1547 Implementation

Mr. Lombardi reviewed the implementation of IEEE 1547 - New Interconnection Requirements for Distributed Energy Resources (DERs) provided in the Agenda package. The 1547 series of IEEE standards are developed under IEEE Standards Coordinating Committee 21 on Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage. The proposed IEEE requirements include specifications for new DER capability requirements that help standardize cost-effective new interconnection and interoperability requirements for DERs.

2017 NPCC Natural Gas Disruption Risk Assessment

Mr. Fedora presented the results of the *2017 NPCC Natural Gas Disruption Risk Assessment* reported to the RCC in June. This assessment estimated the loss of load expectation and expected use of Emergency Operating Procedures for NPCC (and neighboring Regions) due to unavailable gas-fired generation following reduced natural gas pipeline transportation capability to the northeast Region for a sustained, consecutive period using a multi-area probabilistic reliability approach.

2017 NPCC Reserve Margin Evaluation

Mr. Fedora explained that the resource mix in NPCC has been changing due to the growing penetration of intermittent (wind) resources and the decrease of traditional forms of baseload generation. In addition, the overall NPCC forecast for electricity peak demand continues a multiyear trend of flat or declining demand due to expanded participation in energy efficiency and conservation initiatives along with increased contributions from "behind-the-meter" resources, such as roof-top solar and demand response programs.

He then presented the results the *2017 NPCC Reserve Margin Evaluation* reported to the RCC in June. This assessment performed a sensitivity analysis using a Monto-Carlo simulation approach to illustrate the impact of the uncertainty associated with the load forecast, demand response, and resource unit availability in the calculation of NPCC Area reserve margins.



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SS-38 Working Group Status

Mr. Latulip provided an update on the NPCC UFLS Assessment, and reviewed the tasks that the SS-38 Working Group is performing to prepare the base cases for the study. In response to a question from Mr. Dunbar, he indicated that the study will meet the requirements of PRC- 006.

NPCC Compliance Committee Report

Mr. Kopman noted the increase in the number of non-CIP non-compliances, attributed in part to newly implemented Standards, such as PRC-019 and PRC-024. 17 of the violations for these Standards were from a group of six entities with a single corporate parent. PRC-006-NPCC-1 is another Standard that has been an issue this year, and has been the focus of NPCC's Guided Self-Certification program.

He stated that the NPCC Compliance and Standards Workshop, scheduled for November 7-9, 2017, will have presentations that identify and focus on the Standards (both CIP and Non-CIP) that have been major contributors to the increase in non-compliance issues that have been noted this year, and address the cause of these non-compliances.

NERC Agenda Items

Joint Session: Planning and Operating Committee Meeting

Mr. Oks reviewed the following items planned for presentation at the September Planning & Operating Committees Joint Session:

- ✓ Inverter-Based Resource Performance Task Force;
- ✓ Methods for Establishing IROs Task Force;
- ✓ E-ISAC Update;
- ✓ CENACE overview (Mexico's market operator);
- ✓ Solar Eclipse Impact presentation and Results; and,
- ✓ Guidelines and Technical Basis in NERC Reliability Standards.

Operating Committee (OC) Meeting

Mr. Rufrano then highlighted the following items from the September OC Agenda:

- ✓ OC Executive Committee Election;
- ✓ Acceptance of the Frequency Response Annual Analysis;
- ✓ Approval of the OC Strategic Plan and Charter Revisions;
- ✓ Approval of the Bal-00202 DCS Data Collection; and,
- ✓ Approval for a 45-day comment period:
 - Dynamic Tag Exclusion Management Guidelines
 - Pseudo Tie Reference Document
 - Reliability Coordinator Plan Reference Document
 - Recognition of Cyber Intrusion Reliability Guideline
 - ORS Gas and Electrical Operational Coordination Considerations Guideline



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Planning Committee Meeting

Mr. Fedora reviewed the following items for approval on the Draft September Planning Committee (PC) Agenda:

- ✓ PC Executive Committee Election;
- ✓ Approval of the Distributed Energy Resource Modeling Parameters Reliability Guideline;
- ✓ Approval of the Forced Oscillation Monitoring and Mitigation Reliability Guideline;
- ✓ Presentation of the NERC Special Assessment: Bulk Power System Impacts Due to Severe Disruptions on the Natural Gas System; and,
- ✓ Request for PC reviewers for PRC-023-4 Implementation Guidance - Transmission Relay Loadability.

Mr. Evans-Mongeon added that he has been approached by the CIPC Chair regarding a proposed joint CIPC/PC project that would address some of the recommendations from last year's RISC report regarding the planning aspects of physical and cyber security; a decision regarding forming a joint PC/CIPC Task Force to address those recommendations is expected by the end of the year.

Critical Infrastructure Protection Committee (CIPC)

Mr. Hogue noted highlighted the following items from the September CIPC Agenda:

- ✓ Canadian Legislative update;
- ✓ CIP Modification Team update;
- ✓ CIP Supply Chain Team update;
- ✓ BES Security Metrics Working Group September Workshop;
- ✓ Compliance Enforcement and Input Working Group activities; and,
- ✓ Development of next year's CIPC Working Plan, addressing:
 - Supply Chain
 - Remote Access
 - External Collaboration
 - Beyond CIP-14 (Physical Security)

Mr. Helme then summarized the Cyber Security and Physical Security update provided in the Agenda package.

Mr. Evans-Mongeon then reported that at their August meeting, the NERC Board of Trustees approved filing the CIP-13 Standard. He then described NERC Board of Trustees Supply Chain Resolutions (provided in the Agenda package) that following up addressing the concerns expressed during the development of the standard.

Mr. Evans-Mongeon asked the RCC members to provide their input and feedback regarding the changes made this year in the conduct of the RCC meetings, to help inform the structure and format of next year's meetings.



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

Next RCC Meeting Date

Tuesday, December 5, 2017

Location

The Colonnade Boston Hotel
Boston, MA

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

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 – Mike Bardee, David O’Connor, Juan Villar

La Régie de L’Énergie – Daniel Soulier

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.