



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

March 4, 2021

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 December 1, 2020 RCC Meeting

Sir / Madam:

Attached are the Minutes of the December 1, 2020 meeting of the NPCC Reliability Coordinating Committee, as approved at the February 24, 2021 RCC Meeting.

Sincerely,

Phil Fedora

Philip A. Fedora
Vice President, Reliability Services and
Chief Engineer

cc: NPCC Staff



NORTHEAST POWER COORDINATING COUNCIL
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Mr. Crissman called the meeting of the Reliability Coordinating Committee (RCC), held by WebEx to order at 10:00 am.

Attendance

Officers of the Reliability Coordinating Committee

Randy Crissman, Chair	New York Power Authority
Gabriel Adam, Co-Vice Chair	Ontario IESO
Anie Philip, Co-Vice Chair	Long Island Power Authority

Sector 1 - Transmission Owners

Central Hudson Gas & Electric Corporation	Frank Pace
Central Maine Power Company	Edward Mulholland
Consolidated Edison Company of New York, Inc.	Martin Paszek - Alternate
Eversource Energy	George Wegh
Hydro-One, Inc.	Ajay Garg - Alternate
Long Island Power Authority	Anie Philip
National Grid USA	Abhinav Rawat
New York Power Authority	(proxy to Randy Crissman)
New York State Electric & Gas Corp.	(proxy to David Bradt)
Nova Scotia Power, Inc.	Joy Brake – Alternate
Orange & Rockland Utilities, Inc.	(proxy to Ben Wu)
Rochester Gas & Electric Corporation	(proxy to David Bradt)
The United Illuminating Company	David Bradt
Vermont Electric Power Company, Inc.	Hantz Presume

Sector 2 – Reliability Coordinators

Hydro-Quebec TransEnergie	(proxy to Maxime Nadeau)
ISO New England, Inc.	Rich Kowalski
	Jim Helton – Alternate
New Brunswick Power Corporation	Alan MacNaughton
New York ISO	Zach Smith
Ontario IESO	Gabriel Adam

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

Consolidated Edison Company of New York, Inc.	Dermot Smyth
Eversource	Lincoln Burton - Alternate
Hydro-Quebec Distribution	Barry Bruun
	Stephanie Giaume



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Long Island Power Authority	Hakim Sennoun - Alternate (proxy to Anie Philip)
National Grid	Mike Jones
New Brunswick Power Corporation	Randy MacDonald
Orange & Rockland Utilities, Inc.	Ben Wu

Sector 4 Generation Owners

Consolidated Edison Company of New York, Inc.	(proxy to Martin Paszek)
Dominion Energy, Inc.	Sean Bodkin
Long Island Power Authority	(proxy to Anie Philip)
New York Power Authority	Randy Crissman
NextEra Energy Resources	Allen Schriver
Ontario Power Generation	
	David Kwan - Alternate
Vistra Energy Corp.	Ken Stell

Sector 5 – Marketers, Brokers, and Aggregators

Consolidated Edison Company of of New York, Inc.	Aleksandra Gofman
Long Island Power Authority	(proxy to Anie Philip)
New York Power Authority	(proxy to Randy Crissman)
Utility Services, Inc.	Brian Robinson (Alternate)

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

Long Island Power Authority	(proxy to Anie Philip)
New York Power Authority	Shivaz Chopra
New York State DPS	Humayun Kabir

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

Gerard Dunbar	Manager, Reliability Criteria
Phil Fedora	Vice President, Reliability Services and Chief Engineer
Brian Hogue	Information Systems & Security Management
Andreas Klaube	Senior Engineer, Operations Planning
Neeraj Lal	Senior Reliability Engineer
Khnat Latt	Compliance Auditor
Quoc Le	Manager, System Planning



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Michael Lombardi	Director, Reliability Assessments
Jennifer Budd Mattiello	Senior Vice President and COO
Ryan McSherry	Senior Engineer Operations Coordination
Scott Nied	Assistant Vice President, Compliance
Andrey Oks	Director of Operations Coordination
Ralph Rufrano	Manager, Events Analysis
Rafael Sahiholamal	Manager, System Protection
Peter Scalici	Manager, Security Outreach Programs
Edward Schwerdt	President & CEO
Guy Zito	Assistant Vice President of Standards

Guests

Dave Conroy	RLC Engineering, PLLC
Calvin Curry	Vice Chair, Task Force on Infrastructure Security & Technology
George Fatu	Chair, Task Force on System Studies
Aaron Markham	Chair, task Force on Coordination of Operation
Maxime Nadeau	Hydro-Quebec TransEnergie and Equipment
Anthony Napikoski	Chair, Task Force on System Protection
Kai Ni	New York ISO
Frank Ronci	New York Power Authority
Edward Roedel	Vice Chair, Task Force on Coordination of Planning
William Vesely	Chair, Task Force on Infrastructure Security & Technology
Helen Wang	Consolidated Edison Company of New York
Peter Wong	ISO-New England
Fei Zeng	ISO-New England

Quorum Statement

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

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

Roger Clayton - New York State Reliability Council, LLC.



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Antitrust Guidelines for NPCC Meetings

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

President & CEO Report

NPCC Board's Working Draft Strategic Plan

Mr. Schwerdt focused his report on the ongoing efforts by the NPCC Board regarding its *2021 – 2024 Working Draft Strategic Plan*. Strategic planning, to proactively identify evolving challenges and issues and capitalize on emerging opportunities, helps NPCC maintain its leadership role in bulk power system reliability assurance. Each year the NPCC Board meets in Strategic Session to consider Member company reliability concerns, and review and provide input to the ERO Enterprise Long Term Strategy and the Reliability Issues Steering Committee's risk heat map and NERC's future activities.

This year's updates and revisions to the NPCC Working Draft Strategic Plan affirmed the previously identified major emerging challenges, with a somewhat revised change in emphasis. Those key reliability focus areas are: Enhancing System Resilience and Assuring Energy Sufficiency; Reliably Integrating the Resources brought forward by Societal De-carbonization Objectives, including Distributed Energy Resources; and Addressing Cyber and Physical Threats.

Enhancing System Resilience and Assuring Energy Sufficiency

Targeted reliability activities to support system resilience and energy sufficiency, include: evaluating the sufficiency of energy conservation plans to support energy security and resource adequacy; utilizing proposed resilience metrics to better quantify the reliability enhancements of pre-event operations in a more secure state; and assessing common mode failure and single points of disruption scenarios involving communications, water, and other interdependent critical infrastructure sectors.

Reliably Integrating the Resources brought forward by Societal De-carbonization Objectives, including Distributed Energy Resources

With respect to the reliability challenges and opportunities related to societal de-carbonization objectives, all of the States and Provinces within the NPCC Region have established de-carbonization objectives that will have the effect of significantly modifying not only the sources and characteristics of future electric energy production, but also where they will be located and what deliverability challenges may be introduced. Future uses of energy, such as increases in the electrification of the transportation and building sectors will also play a critical role in accomplishing societal de-carbonization expectations. The opportunity NPCC has, in conjunction with its Members, will be to fully understand and leverage the operating characteristics and capabilities of the emerging technologies to support a high level of reliability. Key attributes essential to the reliable operation of the



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Bulk Power System of the electric system will continue to be NPCC's focus area as this grid transformation unfolds. Targeted reliability activities to support this specific focus area include:

- ✓ expanding probabilistic assessments incorporating energy sufficiency and transmission security metrics to better understand the frequency, duration, and magnitude of potential future power supply shortfalls due to more intermittent energy-limited resources on the grid;
- ✓ enhancing the RSC's review and coordination of distributed energy resource local requirements and the identification of potential inconsistencies between State and Provincial regulatory rules; and,
- ✓ quantifying the contributions to future essential reliability services from resources brought forward by societal de-carbonization objectives.

Addressing Cyber and Physical Threats

Lastly, Mr. Schwerdt summarized the targeted reliability activities related to cyber and physical threats, including:

- ✓ continuing NPCC's outreach efforts to Member companies;
- ✓ conducting Design Basis Threat training for NPCC registered entities to enhance their security; and,
- ✓ enhancing NPCC IT's security posture and data loss prevention procedures against the NIST Cyber Security Framework.

The NPCC Board is scheduled to review and endorse the latest version of its Working Draft Strategic Plan for 2021 – 2024 at its December 2, 2020 meeting; following that action a redacted version of the plan will be distributed to the RCC and Task Force Chairs for their respective use.

Chair Report

Agenda

Mr. Crissman reviewed the Agenda provided in the Agenda package.

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

Nominating Committee

At the last meeting, the RCC formed a Nominating Committee (consisting of Messrs. Evans-Mongeon, Fedora, Garg and Wegh) to recommend a candidate (or candidates) for the position of a 2021 Co- Vice Chair. According to the Amended and Restated Bylaws of Northeast Power Coordinating Council, Inc. (Section VI – 6.1(c), page 7 - “Two (2) Co-Vice Chairs from different voting sectors...shall be selected...”).

The Nominating Committee recommended Michael Jones for the position of 2021 RCC Co-Vice Chair. He has indicated his willingness and ability to serve. He is a member of Sector 3 (Transmission Dependent Utilities, Distribution Companies and Load Serving Entities), so



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there is no conflict with Gabriel Adam, 2021 RCC Chair (Sector 2 – Reliability Coordinators) and Anie Philip, 2021 RCC Co-Vice Chair (Sector 1 – Transmission Owners).

October 15, 2020 NPCC Distributed Energy Resources (DER) Forum

Mr. Zito summarized the last NPCC DER Forum that was held on October 15, 2020. He noted that the Regional Standards Committee, in conjunction with various industry participants, has developed and approved the NPCC Guidance Document, *Distributed Energy Resources (DER) Considerations to Optimize and Enhance System Resilience and Reliability* provided in the agenda package.

The next NPCC DER Forum is scheduled for February 11, 2021. Mr. Zito indicated that the agenda is in the process of being finalized, and described some of the anticipated presentation topics.

November 20, 2020 RCC Informational Webinar

Mr. Fedora reported on the November 20, 2020 RCC Webinar that was conducted to receive reports on the following NPCC Corporate Goals:

- ✓ Goal III-3 - Expand NPCC physical security programs and activities, including increase coordination and collaboration with the critical cross-sectors to mitigate interdependencies' risk in the areas of physical security;
- ✓ Goal IB-2 - Enhance the reference document on restoration plans to evaluate the impacts of critical infrastructure interdependencies on a consistent basis;
- ✓ Goal II-3 - Enhance the consistency of the short-circuit modeling practices used within the NPCC Areas; and,
- ✓ Goal III-1 - Organize and facilitate cyber-security training for system operators in order to improve NPCC members' security posture and response capabilities.

Reliability Coordinating Committee Work Plan for Calendar Years 2021-2022

Mr. Crissman reminded the RCC that the review and approval of the proposed RCC 2021 – 2022 Work Plan will take place following the RCC's approval of the proposed NPCC Task Force 2021 – 2022 Work Plans later in the meeting.

RCC Scope

Mr. Crissman noted that consideration of the updated RCC Scope is part of the consent Agenda. He noted that the only change was a correction to the numbering of the listed responsibilities.

2021 RCC Roster

Mr. Fedora referred the RCC to the 2021 RCC Roster provided in the Agenda package; the roster will be acknowledged at the December 2, 2020 NPCC Annual Meeting of the Members.

2021 RCC Meeting Locations and Dates

Mr. Fedora reviewed the following finalized 2021 RCC meeting schedule:



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- ✓ Wednesday February 24, 2021 – via WebEx
- ✓ Wednesday May 26, 2021 – via WebEx
- ✓ Wednesday September 8, 2021 – via WebEx
- ✓ Tuesday November 30, 2021 – Halifax, Nova Scotia (in conjunction with the NPCC 2021 Board/Annual/General Meetings)

NPCC Website Features

Mr. Hogue provided an overview of the new NPCC Website features provided in the agenda package.

Policy Discussion

NERC Reliability and Security Technical Committee

Messrs. Crissman and Schriver reviewed the items approved/accepted/endorsed at the September 15, 2020 and October 14, 2020 NERC Reliability and Security Technical Committee (RSTC) meetings. The RCC also discussed the Agenda items scheduled for the December 15, 2020 RSTC meeting. The RSTC Agenda materials were included in the Agenda package.

NPCC Board Activities

Mr. Crissman thanked Mr. Schwerdt's for his summary of the NPCC Board's Working Draft Strategic Plan activities provided in his report. Mr. Crissman reviewed the Policy Input provided to the NERC Board of Trustees by the NPCC Board of Directors regarding the framework to address known and emerging reliability and security risks and the top priorities for NERC over the next three years. The NPCC Policy input was included in the Agenda package.

Mr. Garg asked if NPCC Transmission Owners were using real-time line/transformer ratings in their operations. Messrs. Markham and Helton provided their respective New York and New England ISO practices. After discussion, the RCC directed the Task Force on Operation to follow-up on the question and report back to the RCC when they have developed a response.

NERC Member Representatives Committee/Board of Trustees Activities

Mr. Crissman reviewed the key actions taken at the NERC Member Representatives Committee (MRC)/Board of Trustees (BOT) November 5, 2020 meetings, including:

- ✓ Approval of the 2021 ERO Enterprise Work Plan priorities, which identify key activities that will be tracked and reported on throughout the year and that align closely with the ERO Enterprise Long-Term Strategy;
- ✓ Adoption of Project 2019-03 – Cyber Security Supply Chain Risks standards for FERC filing; and,
- ✓ Approval the NERC 2021–2023 Reliability Standards Development Plan,



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Updates on NERC's efforts to address reliability risks related to cold weather, the *NERC 2020/2021 Winter Reliability Assessment*, and the *NERC 2020 Long-Term Reliability Assessment* were also discussed. The respective NERC MRC and BOT Agenda materials were included in the agenda package.

Consent Agenda

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

September 9, 2020 Meeting Minutes

The minutes were approved, as provided in the Agenda package, with editorial/grammatical changes/corrections noted at the meeting.

RCC Membership Changes

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

Sector 2 – Reliability Coordinators

- ✓ Maxime Nadeau to replace Francois Brassard as the representative for Hydro-Quebec TransEnergie and Equipment.
- ✓ Francois Brassard to replace Stephane Desbiens as the alternate representative for Hydro-Quebec TransEnergie and Equipment.

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

- ✓ John Ng to serve as the representative for the Long Island Power Authority.

Sector 4 – Generator Owners

- ✓ Helen Wang to replace Daniel Valle as alternate for the Consolidated Edison Company of New York.
- ✓ Frank Ronci to replace Randy Crissman as the New York Power Authority representative, effective January 1, 2021.
- ✓ Salvatore Spagnolo to replace Bruce Fardanesh as alternate for the New York Power Authority.

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

- ✓ Saul Rojas to replace Erik Barrios as alternate for the New York Power Authority.

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

- ✓ Dave Conroy as the representative, Brian Conroy as the alternate for RLC Engineering, PLLC.

Task Force Roster Changes

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



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Task Force on System Protection

- ✓ Paul DiFilippo is no longer the primary contact for TRC.
- ✓ Paul DiFilippo succeeds Brian Langlais as the primary contact for IRONHOUSE.
- ✓ Brian Langlais as the alternate contact for IRONHOUSE.
- ✓ Andrew Schorn as the alternate contact for NB Power.

SP-7 Working Group on Protection System Misoperation Review

- ✓ Paul DiFilippo succeeds Chad Dwelley as the primary contact for IRONHOUSE.
- ✓ Chad Dwelley as the alternate contact for IRONHOUSE.

SS-38 Load Modeling Working Group

- ✓ Saad Hameed to join as a new member representing Consolidated Edison Company.

Task Force on Infrastructure Security & Technology

- ✓ David Lemstra will no longer serve as the Ontario Power Generation Inc. alternate.
- ✓ Erin Doane as New York State Electric & Gas alternate.
- ✓ Jason Hammerschmidt will no longer serve as the Ontario IESO alternate.
- ✓ Tony McMullen as the PSEG Fossil LLC alternate
- ✓ Haizhen Wang as the Consolidated Edison Company of New York, Inc. alternate.

CO-2 Working Group on System Operator Training

- ✓ Robert Perrault of the New York ISO to succeed Marc Theriault of New Brunswick Power as Chairman.
- ✓ Justin Shumaker to succeed Eduardo Sanchez, both from ISO-New England as Vice-Chairman.
- ✓ Eduardo Sanchez to succeed Justin Shumaker as the ISO-New England alternate.
- ✓ Marc Theriault as New Brunswick Power alternate.
- ✓ Jason Marshall to succeed Marc Theriault as the New Brunswick Power member.

CO-10 Working Group on System Operational Tools

- ✓ Daniel Ilse to succeed Frank Kopeki alternate for the New York ISO.
- ✓ Bertrand Lambert to succeed Maxime Nadeau as alternate for Hydro-Quebec.
- ✓ Usama Shafiq to succeed Pablo Gutierrez as representative for the Ontario IESO.

CO-11 Working Group on Restoration

- ✓ John Antonakos to replace Adam Tschirhart as the Ontario IESO member.
- ✓ Dan Cammarata as a National Grid alternate member.
- ✓ Sonya Konzak to succeed Patrick Toner as the Hydro Quebec alternate member.

CO-12 Working Group on Operations Planning

- ✓ Joseph Ricasio will no longer serve as the Ontario IESO alternate.
- ✓ Connor Corsi succeeds Joseph Cohen as the ISO-New England alternate.

CP-8 Working Group

- ✓ Manasa Kotha succeeds Peter Wong as the ISO-New England alternate.



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Nominating Committee RCC Co-Vice Chair Recommendation

Approved as provided in the Agenda package.

2020 Interim Area Transmission Reviews

- ✓ Maritimes Area - Approved as provided in the Agenda package.
- ✓ New England - Approved as provided in the Agenda package.

2020 Interim Area Reviews of Resource Adequacy

- ✓ New York - Approved as provided in the Agenda package.
- ✓ Maritimes Area- Approved as provided in the Agenda package.
- ✓ Ontario – approved as provided in the Agenda package.

2020 NPCC Long Range Adequacy Overview

Approved as provided in the Agenda package.

2020 NERC Probabilistic Assessment – NPCC Region

Approved as provided in the Agenda package.

2021 NPCC Criteria Compliance Enforcement Program Implementation

Approved as provided in the Agenda package.

NPCC Directory No. 8 – Key Facilities (KF)-3 Testing Implementation Plan

Approved as provided in the Agenda package.

RCC Scope

Approved as provided in the Agenda package.

Items for Approval

2020 Quebec Area Comprehensive Review of Resource Adequacy

Ms. Giaume presented the 2020 Quebec Area Comprehensive Review of Resource Adequacy provided in the Agenda package.

The Review covering the period from the winter 2020-2021 through winter 2024-2025 demonstrated that the Quebec Area complies with the NPCC resource criterion that requires a loss of load expectation value of not more than 0.1 days/year for all years of the Review.

The Task Forced on Coordination of Planning agreed with the Review’s conclusion that the Quebec Area complies with the NPCC resource adequacy criterion and recommended RCC approval of the 2020 Quebec Area Comprehensive Review of Resource Adequacy provided in the Agenda package.



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The RCC then unanimously approved the 2020 Quebec Area Comprehensive Review of Resource Adequacy provided in the Agenda package (written proxy in favor).

2020 New England Area Comprehensive Review of Resource Adequacy

Mr. Zeng presented the 2020 New England Area Comprehensive Review of Resource Adequacy provided in the Agenda package.

The Review covering the period from 2021 through 2025 demonstrated that the New England Area complies with the NPCC resource criterion that requires a loss of load expectation value of not more than 0.1 days/year for all years of the Review.

The Task Force on Coordination of Planning agreed with the Review's conclusion that the New England Area complies with the NPCC resource adequacy criterion and recommended RCC approval of the 2020 New England Area Comprehensive Review of Resource Adequacy provided in the Agenda package.

The RCC then unanimously approved the 2020 New England Area Comprehensive Review of Resource Adequacy provided in the Agenda package (written proxy in favor).

Directory No. 7 Revision – Remedial Action Schemes (RAS)

Ms. Brake reviewed the revised NPCC Directory No.7 Special Protection Systems provided in the Agenda package. In accordance with the NPCC Directory Development and Revision Manual the NPCC Task Forces completed a comprehensive review of Directory No. 7 to ensure that the NPCC criteria is consistent with the NERC Standards as required by the NERC Rules of Procedure. She explained that revisions to NPCC Directory No. 7 include:

- ✓ Renaming the document title to 'Remedial Action Systems';
- ✓ Alignment of the existing regional review process to facilitate compliance with PRC -012-2;
- ✓ Revisions to the RAS approval process within NPCC for a Type I and Type II RAS;
- ✓ Clarifying the language surrounding exceptions to the NPCC more stringent criteria;
- ✓ Alignment of the definition for a Limited Impact RAS (Type III) with the NERC footnote in PRC-012-2 to highlight containment within the local area;
- ✓ Revisions to the definition of a Type I and Type II RAS so that both are mutually exclusive of a Limited Impact RAS;
- ✓ Added security criteria for a Type I RAS; and,
- ✓ Minor revisions to the Flow Charts.

She also explained that the definition of the existing NPCC Glossary term 'Special Protection Systems (SPS)' will be replaced by 'See NERC RAS' to reflect the adoption of the NERC Glossary term for Remedial Action Scheme (RAS). The NPCC term 'SPS' can still be used if required for existing documentation or identification.



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In addition, the Task on System Protection has also proposed a new Glossary Term and definition for RAS Group. The proposed definition has been included in Section 2.0 of the document and will be transferred to the NPCC Glossary of Terms upon Full Member approval.

The RCC unanimously recommended balloting the revised NPCC Regional Reliability Directory No. 7 – Remedial Action Schemes for Full Member approval (written proxy in favor).

NPCC 2020 - 2021 Winter Reliability Assessment

Messrs. Klaube and Fedora presented the results of the NPCC 2020-2021 Winter Reliability Assessment provided in the Agenda package. The NPCC 2020 -2021 Winter Reliability Assessment was approved by the Task Force on Coordination of Operation on November 12, 2020; the corresponding NPCC 2020 - 2021 Winter Multi-Area Probabilistic Reliability Assessment was approved by the Task Force on Coordination of Planning on November 4, 2020 and is included as Appendix VIII.

The RCC then unanimously approved the NPCC 2020 – 2021 Winter Reliability Assessment provided in the Agenda package (written proxy in favor).

2020 NPCC Overall Transmission Assessment

Mr. Ni reported that the NPCC SS-38 Working Group completed the 2020 NPCC Overall Transmission Assessment, and provided an overview presentation provided in the Agenda package. The draft report was submitted to Task Force on System Studies for review at its meeting on November 4-5, 2020; the comments received have been accepted and are included in the 2020 NPCC Overall Transmission Assessment provided in the Agenda package.

The RCC then unanimously approved the 2020 NPCC Overall Transmission Assessment provided in the Agenda package (written proxy in favor).

2021 - 2022 Task Force Work Plans

The Task Force chairs highlighted their respective 2021 - 2022 Task Force Work Plans provided in the Agenda Package.

The RCC then unanimously approved the 2021 - 2022 Task Force Work Plans as provided in the Agenda package (written proxy in favor).

Reliability Coordinating Committee Work Plan for Calendar Years 2021-2022

Following the review and approval of the NPCC Task Forces' respective 2020 - 2021 Work Plans, the RCC reviewed its corresponding 2021 – 2022 Work Plan.



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Mr. Fedora explained that the Reliability Coordinating Committee Work Plan for Calendar Years 2021-2022 is consistent with the NPCC 2021 Business Plan & Budget, the RCC Scope, the 2019 ERO Reliability Risk Priorities Report, the NPCC Working Draft Strategic Plan 2021-2024, and the 2021 ERO Enterprise Work Plan Priorities, which identify key activities that will be tracked and reported on throughout the year and that align closely with the ERO Enterprise Long-Term Strategy.

He noted a correction on page 7 to reference GridEx VI: “Supporting GridEx VI activities and review “lessons learned.”

The RCC then unanimously recommended that the Reliability Coordinating Committee Work Plan for Calendar Years 2021-2022, as provided in the Agenda package with the noted correction be submitted for NPCC Board approval (written proxy in favor).

Discussion Items

December RCC NPCC Goal Deliverables

The following presentations, provided in the Agenda package were given:

Goal IA-1

Mr. Rufrano reported on quantifying system strength/robustness margins as a potential system resilience metric, based on the results of NPCC’s Overall Transmission Assessments and NPCC Area Comprehensive Area Transmission Reviews.

Goal IB-1

Mr. Fedora report the findings of the evaluation of the applicability of alternative resource adequacy metrics, with significant DER/renewable penetration and load variability.

Goal II-2

Mr. Lombardi summarized the NPCC modeling workshop conducted on September 17, 2020 via a virtual webinar event involving many industry participants including NPCC planning coordinators, generator owners and other stakeholders and reported on the ‘lessons learned’ regarding potential improvements in dynamic models. Mr. Crissman asked Mr. Lombardi to prepare a summary report of the workshop presentation provided in the Agenda package and distributed to the RCC when available.

2021 NPCC Corporate Goals



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A RCC webinar was scheduled for December 18, 2020 to discuss the formulation of NPCC 2021 Corporate Goals, to be informed by the NPCC Working Draft Strategic Plan 2021 – 2024 anticipated to be available following the December 2, 2020 NPCC Board meeting.

Informational Items

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

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

Next RCC Meeting Date
February 24, 2021

Location
[WebEx meeting]

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 Skučas,, Esq.

and,

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

La Régie de L’Énergie – Christian Garneau

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.