



June 8, 2023

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 March 1, 2023 RCC Meeting

Sir / Madam:

Attached are the Minutes of the March 1, 2023 meeting of the NPCC Reliability Coordinating Committee, as approved at the June 7, 2023 RCC meeting.

Sincerely,

*Michael R. Lombardi*

Michael R. Lombardi  
Director, Reliability Assessments

cc: NPCC Staff



**NORTHEAST POWER COORDINATING COUNCIL**  
**Reliability Coordinating Committee Minutes**  
**March 1, 2023**

Ms. Philip 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**

Anie Philip, Chair	Long Island Power Authority
Michael Jones, Co-Vice Chair	National Grid USA
Maxime Nadeau, Co-Vice Chair	Hydro-Québec TransÉnergie

**Sector 1 - Transmission Owners**

Central Hudson Gas & Electric Corporation	Michael E. Ridolfino
	Damian Interrante - Alternate (proxy to David Bradt)
Central Maine Power Company	Martin Paszek - Alternate (proxy to John Babu)
Consolidated Edison Company of New York, Inc.	Ajay Garg - Alternate
Eversource Energy	Anie Philip
Hydro-One, Inc.	Abhinav Rawat
Long Island Power Authority	Randy MacDonald (proxy to Frank Ronci)
National Grid USA	(proxy to David Bradt)
New Brunswick Power Corporation	Chris Milligan
New York Power Authority	Jill Searle (proxy to Martin Paszek)
New York State Electric & Gas Corporation	(proxy to David Bradt)
Nova Scotia Power, Inc.	David Bradt
	Edward Roedel
Orange & Rockland Utilities, Inc.	Hantz Presume
Rochester Gas & Electric Corporation	
The United Illuminating Company	
Vermont Electric Power Company, Inc.	

**Sector 2 – Reliability Coordinators**

Hydro-Québec TransÉnergie	(proxy to Nicolas Turcotte)
ISO New England, Inc.	James Helton
New Brunswick Power Corporation	Scott Brown
	Gaetan Benoit - Alternate
New York ISO	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.	Lincoln Burton - Alternate (proxy to Timothy Nurse)
Eversource Energy	Hakim Sennoun - Alternate
Hydro-Québec Distribution	Robert Eisenhuth
Long Island Power Authority	Mike Jones (proxy to Frank Ronci)
National Grid USA	
New York Power Authority	



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**Sector 4 Generation Owners**

Consolidated Edison Company of New York, Inc.	Helen Wang
Dominion Energy, Inc.	Sean Bodkin
Long Island Power Authority	(proxy to Anie Philip)
New York Power Authority	Frank Ronci
	Salvatore Spagnolo - Alternate
NextEra Energy Resources	Rigoberto Milla
Ontario Power Generation	David Kwan - Alternate
Talen Energy Marketing	(proxy to Michael Lombardi)
Vistra Energy Corporation	Dan Roethemeyer

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

Long Island Power Authority	(proxy to Anie Philip)
Utility Services of Vermont, LLC	Brian Evans-Mongee

**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 Department of Public Service	Humayun Kabir - Alternate

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

New York State Reliability Council, LLC	Roger Clayton
RLC Engineering	David Conroy

**NPCC Staff**

Gerry Dunbar	Director, Reliability Standards and Criteria
Jeremiah Durotola	Internal Cybersecurity GRC Analyst
Francesco Elmi	Senior Compliance Engineer
Ben Eng	Manager, Entity Risk Assessment
Jenifer Farrell	Vice President, IT & Enterprise Risk Management
Jessica Hala	Vice President, Finance and Treasurer
Brian Hogue	Information Systems & Security Management
Andreas Klaube	Manager, Probabilistic Assessment
Neeraj Lal	Manager, System Studies
Hai (Quoc) Le	Manager, System Planning
Quintin Lee	Manager, Events Analysis
Michael Lombardi	Director, Reliability Assessments
Faisal Nahian	Senior Network and Infrastructure Engineer
Scott Nied	Vice President, Compliance
Andrey Oks	Director of Operations Coordination
Patrick Palompo	Senior Compliance Engineer
Anil Rauniyar	Senior CIP Analyst
Shayan Rizvi	Senior Reliability and Performance Analysis Engineer
Rafael Sahiholamal	Manager, System Protection
Travis Tate	Compliance Auditor
Doug Vitale	Manager, Security Outreach



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**Guests**

John Babu	Chair, Task Force on System Protection
Milo Blair	NPCC Board Chair
Joy Brake	Chair, Task Force on System Studies
Calvin Curry	Orange and Rockland Utilities, Inc.
Petar Novakovic	Independent Electricity System Operator
Timothy Nurse	Eversource Energy
Frank Peng	Chair, CO-12 Operations Planning Working Group
Edward Roedel	Chair, Task Force on Coordination of Planning
Jon Sawyer	New York ISO
Nitish Sharma	National Grid
Nicolas Turcotte	Hydro-Québec

**Antitrust Guidelines for NPCC Meetings**

Mr. Hogue read the NPCC Antitrust Guidelines provided in the agenda package.

**Safety Message**

Mr. Klaube provided a safety message with useful tips regarding the changing weather and temperature associated with the upcoming spring season.

**Quorum Statement**

Mr. Lombardi indicated that a quorum had been achieved, by member attendance, proxy, or alternate designation. No written proxies were submitted.

**Board Chair Report**

Mr. Blair introduced himself as the new NPCC Board Chair and thanked the RCC for the tremendous work they have done and are doing to focus on the reliability of the transmission system.

He indicated that the NPCC Board wants to be considered a resource, providing help with streamlining priorities and resolving any identified process related bottlenecks. He also noted that the NPCC Strategic Plan provides direction to the organization, and he encouraged the RCC to have input in the revisions of the NPCC Strategic Plan.

Mr. Blair along with the Mr. Dickerson, NPCC CEO, have been engaged with the FERC, NERC, and the ERO Enterprise. He highlighted recent discussions regarding the controllability, interconnection, reliability guidelines and standards related to inverter based resources. He acknowledged the expertise that comes from the northeast and recognized the knowledge and resources brought to this issue by the RCC.

**President & CEO Report**

**Preliminary 2024 NPCC Budget Development Schedule**

Ms. Hala shared the schedule for the development of the 2024 Business Plan and Budget included in the agenda package. The schedule includes a two week comment period from May 3



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to May 17, 2023. A presentation to the RCC will be provided at its June 7, 2023 meeting. The NPCC 2024 Business Plan and Budget will be recommended for approval at the June 21, 2023 NPCC Board meeting.

**Chair Report**

**Agenda**

Ms. Philip reviewed the Agenda provided in the agenda package. The content of the agenda was unchanged; however, agenda item for the NPCC 2023 Summer Reliability Assessment will be moved up and discussed after the consent agenda due a scheduling conflict of the presenter.

The RCC then approved the Agenda as discussed.

**Approved RCC Scope**

Ms. Philip noted the RCC Scope was approved by the NPCC Board on January 18, 2023. An approved copy of the scope is included in the agenda package and has been posted on the NPCC website.

**Approved RCC 2023-2024 Work Plan**

Ms. Philip reported the RCC 2023-2024 Work Plan was approved by the NPCC Board on January 18, 2023. An approved copy of the work plan is included in the agenda package and has been posted on the NPCC website.

**RCC 2023 Meeting Schedule**

Ms. Philip referred to the RCC 2023 meeting dates included in the agenda package and noted that the RCC had previously agreed to hold two in-person meetings with one in June and the other in December 2023. Ms. Philip noted that there has been an update with meeting logistics that Mr. Lombardi will address.

Mr. Lombardi indicated that the NPCC New York City office is not large enough to host an RCC meeting and does not have a meeting coordinator. He noted that the NPCC staff had reached out to the RCC members that had indicated they could potentially host the June 7, 2023 RCC meeting at their facilities. As a result of member facilities not being available a WebEx meeting is being planned in June.

*[Subsequent to the March 1, 2023 meeting, a member location was identified. The June 7, 2023 meeting is scheduled to be held at the New York Power Authority office in White Plains, NY]*

**Development of Proposed 2024 NPCC Corporate Reliability Goals**

Mr. Lombardi noted that the 2023 NPCC Corporate Reliability Goals were approved by the NPCC Board and will be discussed later in the agenda.

He indicated that this item notes that the 2024 NPCC Corporate Reliability Goals will be developed in 2023 Q4 following the September NPCC Board Strategy Session. This process change allows development of the NPCC 2024 NPCC Corporate Reliability Goals to occur earlier in the 2023 calendar year.



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**Proposed NPCC Portal**

Mr. Nahian indicated that NPCC is consolidating all its existing documents sharing platforms into a new NPCC portal that uses SharePoint online to enhance the security and monitoring capabilities.

He reviewed the NPCC Portal Implementation Timeline included in the agenda package. In 2023 Q1, the NPCC portal activities are to plan, setup configuration and test. The Q1 activities are on schedule. He indicated that the 2023 Q2 activities will consist of scheduling and migrating the current document libraries as well as providing training materials and login requirements to NPCC members. The 2023 Q3 activities will be focused on enhancement and improvement and 2023 Q4 will be focused on automatic data retention & destruction, documentation, and project closeout.

**2023 DER/VER Forums**

Mr. Dunbar indicated that the NPCC Regional Standards Committee (RSC) will continue to host DER/VER Forums during 2023 on relevant topics and the forum dates during May, August and October will be announced. The forums are part of NPCC's Strategic Corporate Plan and reflect the direction provided by the NPCC Board of Directors to continue outreach efforts with all our stakeholders. He encouraged the RCC members to provide him with any topics and speakers that they would like to be included in the forums.

He noted that all DER/VER Forum presentations and recordings are posted on the NPCC public website.

**Consent Agenda**

The Reliability Coordinating Committee unanimously approved the following Consent Agenda Items:

**December 6, 2022 RCC Meeting Minutes**

Approved as provided in the agenda package.

**December 16, 2022 RCC Meeting Minutes**

Approved as provided in the agenda package.

**RCC Roster Changes**

The following changes to the RCC membership were approved:

**Sector 1 – Transmission Owners**

Edward Roedel to succeed David Bradt as the representative for The United Illuminating Company

**Sector 3 - Transmission Dependent Utilities, Distribution Companies And Load-Serving Entities**

David Cloutier to serve as an alternate for Eversource Energy

**Task Force/Working Group Roster Changes**

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

**Task Force on Coordination of Planning**

- ✓ Robert Eisenhuth of PSEG Long Island to succeed Vincent Fihey of the Hydro-Québec TransÉnergie as the Vice Chair.



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- ✓ Arash Nezam Sarmadi of National Grid to succeed Mark Stevens of National Grid as an alternate representative.
- ✓ André Dagenais of Hydro-Québec to succeed Steve Blackburn of Hydro-Québec as an alternate representative.
- ✓ Sunil Palla of the New York Power Authority to succeed Bharath Annabathina of the New York Power Authority as an alternate representative.

**Task Force on Coordination of Operation**

- ✓ Patrick Doyle of Hydro-Québec TransÉnergie to no longer serve as an alternate representative.

**Task Force on System Studies**

- ✓ Amine Sibachir of Hydro-Québec to succeed Steve Blackburn of Hydro-Québec as an alternate representative.
- ✓ Arash Nezam Sarmadi of National Grid to succeed Mark Stevens of National Grid as the primary representative.
- ✓ Mark Forchilli of National Grid to serve as an alternate representative.
- ✓ Joe Adadjo of Eversource Energy to succeed Jim DiLuca of Eversource Energy as the primary representative.

**Task Force on Infrastructure Security & Technology**

- ✓ Joshua London of Eversource Energy to serve as an alternate representative.
- ✓ Keith Darlin of New York State Electric & Gas to serve as an alternate representative.

**CO-1 Control Performance Working Group**

- ✓ Megan Doner of Independent Electricity System Operator will no longer serve as an alternate representative.

**CO-2 System Operator Training Working Group**

- ✓ Jordan Cope of the Independent Electricity System Operator to succeed Robert Kapteyn of the Independent Electricity System Operator as an alternate representative.
- ✓ Ryan Smith of ISO New England to serve as an alternate representative.

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

- ✓ Matthew Wharton of PJM to succeed Simon Tam as an alternate representative.
- ✓ Anuradha Satish of Independence Electricity System Operator to succeed Matthew Vos as an alternate representative.
- ✓ Jean-Sébastien Labbé of Hydro-Québec will serve as an alternate representative.

**CO-10 System Operational Tools Working Group**

- ✓ Thomas Weldon of ISO New England to succeed Osman Bileya of ISO New England as the primary representative.
- ✓ Osman Bileya of ISO New England to succeed Mike Zeoli of ISO New England as an alternate representative.
- ✓ Magalie Briere of Hydro-Québec to succeed Eugen Dimbu of Hydro-Québec as the primary representative.
- ✓ Daniel Ilse of the New York ISO to succeed Frank Kopeki of the New York ISO as an alternate representative.

**CO-11 Restoration Working Group**

- ✓ Marc Lyons of ISO New England to succeed John Pearson of ISO New England as an alternate representative.
- ✓ Corey Finch of National Grid to serve as the primary representative.

**CO-12 Operations Planning Working Group**

- ✓ Mallory Waldrip of ISO New England to serve as an alternate representative.
- ✓ Kim McKinley of the New Brunswick System Operator to succeed Rod Hicks of the New Brunswick System Operator as an alternate representative.



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- ✓ Nick Miner of ISO New England to succeed David Evans of ISO New England as an alternate representative.

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

- ✓ Steven Judd of ISO New England to succeed Fei Zeng of ISO New England as the primary representative.
- ✓ Ying Guo, Swagata Sharma and Kevin Osse of the New York ISO will no longer serve as observers.
- ✓ Peter Wong of ISO New England will no longer serve as an observer.
- ✓ Syeda Lubna of the New York ISO to serve as an observer.
- ✓ Guilherme Larangeira and Helve Saarela of ISO New England to serve as observers.
- ✓ John Delatto of PSEG Long Island to succeed Khatune Zannat as the primary representative.
- ✓ Hilme Athar of PSEG Long Island to succeed John Delatto as an alternate representative.

**IST-2 Telecommunications Working Group**

- ✓ Guillaume Lavoie of Hydro-Québec TransÉnergie to serve as an alternate representative.

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

- ✓ Siddharth Tyagi of the Independent Electricity System Operator to succeed Jeff Wai of the Independent Electricity System Operator as an alternate representative.
- ✓ Trupti Abhang of the New Brunswick Power Corporation to serve as an alternate representative.
- ✓ Sandra Gorgey of the Nova Scotia Power to succeed Peter Huynh of the Nova Scotia Power as an alternate representative.

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

- ✓ Nitish Sharma of National Grid to succeed Arash Nezam Sarmadi of National Grid as an alternate representative.

**SS-39 Geomagnetic Disturbances Working Group**

- ✓ Nathan Hansen of New York ISO to serve as an alternate representative.

**2022 BPS List**

Approved as provided in the agenda package.

**2022 Interim Area Transmission Reviews**

- ✓ New Brunswick - Approved as provided in the agenda package.
- ✓ New England - Approved as provided in the agenda package.
- ✓ Nova Scotia - Approved as provided in the agenda package.
- ✓ Québec - Approved as provided in the agenda package.

**Policy Discussion**

**NPCC 2023 Corporate Reliability Goals**

Mr. Lombardi indicated that the NPCC Board approved the NPCC 2023 Corporate Reliability Goals on February 8, 2023.

Messrs. Oks, Dunbar and Lombardi highlighted the following NPCC 2023 Corporate Reliability Goals, included in the agenda package, associated with the RCC:

- ✓ I-A Enhancing System Resilience
  - Goal IA-6 SAIS - Continuous improvement of SAIS program area.  
Mr. Oks indicated that Goal IA-6 SAIS will determine how NPCC can enhance its situation awareness capabilities. A quarterly status report for this goal is provided the agenda package.
  - Goal IA-7 SAIS - Enhance System Resilience.  
Mr. Oks identified that Goal IA-7 SAIS focuses on cold weather preparedness; specifically, development of an NPCC Cold Weather Preparedness Workshop.





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- ✓ I-B Assuring Energy Sufficiency.
  - Goal IB-1 RAPA - Provide recommendation(s) for energy sufficiency assessments within the NPCC.

Mr. Lombardi indicated that this is a continuation of last year's goal as it involves the multi-year industry activities associated with the EPRI Resource Adequacy for a Decarbonized Future Project and the US DOE Atlantic Offshore Wind Study. The outcome of this goal is how to better perform energy sufficiency and resource adequacy assessments. A quarterly status report for this goal is provided the agenda package.
  - Goal IB-1 SAIS - Assess gas-electric interdependencies.

Mr. Oks reported that this Goal is an extension of last year's goal and brings key stakeholders to the table to coordinate and collaborate to mitigate the risks of critical natural gas-electric interdependencies within the NPCC region.
- ✓ II Reliably Integrating the Resources brought forward by Societal De-Carbonization Objectives, including Distributed Energy Resources (DER) and Variable Energy Resources (VER).
  - Goal II-1 RAPA - Assess current inverter-based resources (IBR) Electromagnetic Transient (EMT) modeling practices to improve reliable integration of IBRs within NPCC.

Messrs. Lombardi and Lal indicated that this goal conducts a survey to determine the extent of IBR EMT modeling, software, and studies performed by the NPCC members and provide propose recommendations for the use and coordination of IBR EMT modeling and practices within NPCC.
  - Goal II-2 STD - Enhance the reliable integration of increasing amounts of DERs, VERs (including offshore wind (OSW)) by continuing outreach and information sharing opportunities with stakeholders emphasizing the role of future transmission, electric vehicle (EV) and building electrification integration. Review and revise, as required, the applicable NPCC Directories to address reliability contributions and challenges of changing technologies.

Mr. Dunbar indicated that IEEE Standard 2800-2022 will be reviewed to develop recommendations for incorporating provisions of the IEEE standard into the NPCC criteria. He also noted that four DER/VER Forums will be conducted to identify the need for regional transmission coordination because of building electrification, EVs and OSW integration.
  - Goal II-3 STD - Enhance outreach to states, provinces, planning authorities and other stakeholders to establish a higher degree of coordination and transparency during the energy transition brought forward by societal decarbonization objectives.

Mr. Dunbar reviewed the schedule to conduct four outreach sessions in 2023. A quarterly status report for this goal is provided the agenda package.
- ✓ III Addressing Cyber and Physical Security Threats
  - Goal III-1 SAIS - Expand regional support for and interaction with the EISAC and Canadian partners to facilitate information and best practices sharing within Northeastern North America. Enhance outreach and information exchange through interactions with agencies (e.g., NERC E- ISAC, DHS, DOE, Natural Resources Canada, and Federal, State and Local Law Enforcement) and to foster a more efficient working model for information and intelligence sharing.

Mr. Oks indicated that two cyber and two physical webinars/workshops are being planned to address cyber and physical security risk topics.

**January 25, 2023 NERC 2023 Reliability Leadership Summit**

Messrs. Oks and Klaube provided an overview of the 2023 Reliability Leadership Summit. The summit is used to identify, assess, and manage reliability priorities across the Electric Reliability



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Organization and to document risks in the NERC Reliability Issues Steering Committee biennial report.

The summit was hosted by NERC and the Reliability Issues Steering Committee on January 25, 2023, in the Washington, DC and focused on four specific areas:

- ✓ Energy Policy;
- ✓ Security;
- ✓ Grid Transformation and Impact on Resiliency; and,
- ✓ New Technologies.

**January 31 – February 2, 2023 NERC Reliability and Security Technical Committee Work Plan Summit**

Mr. Oks noted that the Reliability and Security Technical Committee Work Plan Summit agenda is included in the agenda package. The summit was held January 31, 2023 through February 2, 2023; the RSTC leadership and the NERC Staff, and the leadership of the RSTC groups reviewed the RISC recommendations, the cold weather report recommendations, and the Risk Registry against the current RSTC work plan to identify and priorities any revisions to the work plan.

**February 15-16, 2023 NERC MRC/BOT Meeting(s)**

Mr. Oks mentioned that the agenda packages for the February 15-16, 2023 NERC MRC/BOT Meetings are included in the RCC agenda package. Mr. Oks noted that the February 15 Technical Session focused on three topics:

- ✓ Winter Preparations;
- ✓ Recent Physical Attacks; and,
- ✓ Integration of Inverter-based Resources.

**Discussion Items**

**NPCC 2022-2023 Winter Operations Review**

Mr. Oks summarized that the winter has been relatively mild without major incident. Following the introduction from Mr. Oks, each NPCC Area provided an overview of their respective NPCC 2022-2023 Winter Operations experience. While cold weather in the northeast region of the U.S. and Canada resulted in some NPCC Areas hitting all-time peak loads and experiencing tight supply conditions, each NPCC Area reliably served their respective peak load exposure.

Presentations given by Hydro-Quebec, Ontario, New England, and New Brunswick are included in the agenda package.

**NPCC 2023 Summer Reliability Assessment**

Messrs. Peng and Klaube presented the *2023 NPCC Summer Reliability Assessment* preliminary results as prepared by the NPCC CO-12 and the CP-8 Working Groups and as provided in the agenda package. The final report will be submitted for the RCC comment, and the Task Force on Coordination of Operation and the Task Force on Coordination of Planning consideration of approval on April 3, 2023. The assessment will be posted on the NPCC public website following the May 3, 2023 NPCC Board of Directors meeting.



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**NPCC Task Force 2023-2024 Work Plan Overview**

Ms. Philip called on each Task Force Chair to highlight their respective activities. Ms. Philip noted that additional information can be found in the agenda package, which contains all the individual Task Force updates.

**Task Force on Coordination of Planning (TFCP)**

Mr. Eisenhuth highlighted the following TFCP activities:

- ✓ Evaluated and approved 2022 Area Transmission Reviews;
- ✓ Reviewed and approved Remedial Action Schemes;
- ✓ Engaged with the Directory No. 1 Working Group;
- ✓ Each area shared their efforts to support energy transition to a de-carbonized and electrified society; and,
- ✓ Discussed and reviewed each areas planned implementation of IEEE 2800-2022.

**Task Force on System Studies (TFSS)**

Ms. Brake highlighted the following TFSS activities:

- ✓ Evaluated and approved 2022 Area Transmission Reviews;
- ✓ Performed annual update of the Bulk Power System List;
- ✓ Reviewed the classification type of Remedial Action Schemes; and,
- ✓ Reviewing energy transition and the need of EMT models.

**Task Force on Infrastructure Security & Technology (TFIST)**

Mr. Curry highlighted the following TFIST activities:

- ✓ Involvement in CIP Standard development and implementation
- ✓ Coordinate Communications
- ✓ Security Bulletin - Securing Small and Medium-Sized Businesses Supply Chains
- ✓ Support of associated NERC activities:
  - Security Integration and Technology Enablement Subcommittee;
  - Supply Chain Working Group; and,
  - IST-5 / Physical Security Working Group.

**Task Force on Coordination of Operation (TFCO)**

Mr. Oks highlighted the following TFCO activities:

- ✓ Directory No. 1, *Design and Operation of the Bulk Power System*;
- ✓ Directory No. 2, *Emergency Operations*;
- ✓ Continuing to monitor the activities around the February 2021 Winter Storm Uri event specifically the recommendation efforts being performed by the industry to determine NPCC opportunities to address any gaps from a regional perspective; and,
- ✓ Conducted Hydro-Québec Area Restoration Plan reviews in January 2023.

**Task Force System Protection (TFSP)**

Mr. Babu highlighted the following TFSP activities:

- ✓ Continuing the review of facility presentations;
- ✓ Reviewing and approving of Remedial Action Schemes; and,
- ✓ Engaged in ongoing discussions with TFCP on Live Tank Breakers.

**NPCC 2023 Corporate Reliability Goals**

**Goal IA-6 SAIS Quarterly Status Report**

Mr. Oks presented the Goal IA-6 SAIS. NPCC Situation Awareness Staff will be working with other Regional Entities' Situation Awareness departments to review and evaluate other Regional



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Entities' Situation Awareness capabilities (tools, processes, reporting, response plans, et cetera) to look for opportunities to enhance NPCC's Situation Awareness team effectiveness in maintaining near real-time situation awareness of condition on the BPS.

The work plan is to engage and collaborate with four other Regional Entities over the course of the 2023 and based on the review and evaluation of other REs' capabilities, and input from the CO-8 WG and TFCO, NPCC Staff will identify recommendations to improve NPCC's real-time situation awareness of conditions on the BPS.

Goal IB-1 RAPA Quarterly Status Report

Messrs. Klaube and Lombardi presented the Goal IB-1 RAPA which involve the US DOE Atlantic Offshore Wind Transmission (AOSWT) Study and the EPRI Resource Adequacy for a Decarbonized Future initiative.

The US DOE Atlantic Offshore Wind Transmission Study is evaluating coordinated transmission solutions to enable offshore wind energy deployment along the U.S. Atlantic Coast. The US DOE has completed year one of its two year study. In this second year, the study will:

- ✓ Complete production cost modeling, capital investment estimation, and reliability studies,
- ✓ Perform stability analysis, transient-fault-behavior analysis, and resilience studies for the land based and offshore grid, and
- ✓ Deliver the final report.

NPCC staff is continuing their participation in the study plenary technical review committee and will provide quarterly updates to the RCC on the 2023 project deliverables.

EPRI has led the *EPRI Resource Adequacy for a Decarbonized Future* initiative since 2021 to accelerate the ongoing evolution of resource adequacy processes tools in decarbonizing power systems. The NPCC CP-8 Working Group on the Review of Resource and Transmission Adequacy is assisting the development of a regional case study reviewing a high renewable penetration future. Project deliverables (i.e., technical briefs, reports, and regional case results) summarizing solutions for resource adequacy gaps are being developed in 2023. NPCC Staff will continue to provide quarterly updates to the RCC on the progress of these deliverables.

Goal II-3 STD Quarterly Status Report

Mr. Dunbar presented the Goal II-3 STD which specifies the completion of three briefings with State and Provincial Regulators on NERC and NPCC reliability assessments to promote awareness of effective regional transmission planning in the face of the changing resource mix and the completion of a fourth briefing to identify specific Northeast emerging reliability risks.

NPCC anticipates coordinating separate State and Provincial outreach forums focused on NERC's Long Term Reliability Assessment (LTRA), NERC's Summer and Winter Reliability Assessments and NPCC's regional Reliability Assessment and Performance (RAPA) activities in support of these assessments.

An additional session to identify specific northeast emerging reliability risks associated with cyber and physical security will also be conducted.



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**Informational Items**

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

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

<b>Next RCC Meeting Date</b>	<b>Location</b>
June 7, 2023	NYPA Office, White Plains, NY

<b>Future RCC Meeting Dates</b>	<b>Location</b>
September 12, 2023	[WebEx meeting]
December 5, 2023	TBD
December 15, 2023	[WebEx meeting]



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**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

and,

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

La Régie de L’Énergie – Christian Garneau

Ontario Energy Board – Catherine Ethier

United States Department of Energy – Adria Brooks

New Brunswick Department of Energy and Mines – David Sollows

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