



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

September 19, 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 May 31, 2017 RCC Meeting

Sir / Madam:

Attached are the minutes of the May 31, 2017 meeting of the NPCC Reliability Coordinating Committee, as approved at the September 6, 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
Hydro-One, Inc.	Tom Irvine
Long Island Power Authority	Anie Philip - Alternate
National Grid USA	Michael Schiavone (via phone)
New Brunswick Power Corporation	Randy MacDonald - Alternate (via phone)
New York Power Authority	(proxy to Randy Crissman)
Nova Scotia Power, Inc.	David Stanford - Alternate
Rochester Gas and Electric Corporation	(proxy to Dave Conroy)
The United Illuminating Company	(proxy to Dave Conroy)
Vermont Electric Power Company, Inc.	Hantz Presume

Sector 2 – Reliability Coordinators

Hydro-Quebec TransEnergie	Francois Brassard
Ontario IESO	Gabriel Adam
ISO-New England, Inc.	Nicholas Ingman – Alternate (via phone)
New Brunswick Power Corporation	Rich Kowalski - Alternate
New York ISO	(proxy to Randy MacDonald – via phone)
	Zach Smith

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

Consolidated Edison Company of New York, Inc.	(proxy to Martin Paszek)
Eversource Energy	Barry Bruun (via phone)
Hydro Quebec Distribution	Abdelhakim Sennoun - Alternate (via phone)
Long Island Power Authority	(proxy to Anie Philip)
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 (via phone)
Dominion Resources Services, Inc.	Sean Bodkin (via phone)
Dynegy Inc.	Ken Stell (via phone)
Eversource Energy	(proxy to Barry Bruun)
Long Island Power Authority	(proxy to Anie Philip)
New York Power Authority	Randy Crissman
NextEra Energy Resources	(via written proxy)
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)
New York Power Authority	(proxy to Randy Crissman)
Utility Services, Inc.	Brian Evans-Mongeon

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

Long Island Power Authority	(proxy to Anie Philip)
New York State Department of Public Service	Ed Schrom

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 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
Quoc Le	Manager, System Planning and Protection
Jennifer Budd Mattiello	Senior Vice President & COO
Andrey Oks	Director of Operations Coordination
Lee Pedowicz	Manager, Reliability Performance and Criteria Assessment



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Rafael Sahiholamal
Frantz Roc
Paul Roman
Edward Schwerdt

Senior Reliability Engineer
Manager, Information Technologies
Director, Operations Planning
President & CEO

Guests

Joy Brake
John Charlton
Alessia Dawes
Patrick Doyle

Nova Scotia Power, Inc.
Nova Scotia Power, Inc.
Hydro One Networks
Chair, Task Force on Coordination of
Operations
Chair, Task Force on System Protection
Chair, Task Force on Infrastructure Security
& Technology
New Brunswick Power
Orange and Rockland Utilities

Alex Echeverria
John Helme

Andrew Wilcox
Ben Wu

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 4 – Generator Owners

Allen Schriver – Next Era Energy Resources

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

Mr. Schwerdt reported on the following items:

FERC Reliability Technical Conference

The Federal Energy Regulatory Commission will be holding its annual Reliability Technical Conference on June 22nd to discuss, through a series of stakeholder panels, policy issues related to the reliability of the bulk power system. In its review of the soon to be released NERC 2017 State of Reliability Report, the first panel will explore trends and risks identified in the report, gaps in the ability to measure reliability, and the implications of expanding distributed energy resources. The second panel will consider international regulatory perspectives on the changing grid. The third panel will discuss the potential for long-term, large-scale disruptions to the bulk power system and the need for system resiliency. The



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fourth and final panel will address cyber and physical security issues, including ways, beyond the CIP Reliability Standards, to reduce the grid's vulnerability and to strengthen the cyber workforce. The interaction between the FERC Commissioners and the panelists often provides insights into the thinking within the Commission on possible future directives. The outcome of previous technical conferences has helped inform subsequent reports by the NERC Reliability Issues Steering Committee, as well as NERC's reliability initiatives.

ERO Enterprise Long Term Strategic Plan

The NERC Board of Trustees met with representatives from the Regional Entity Boards, along with their respective Presidents and CEOs, on May 10th in St. Louis prior to the meeting of the NERC Member Representatives Committee. Agenda items for that meeting included: further alignment of the operational goals and activities across the ERO Enterprise; as well as the identification of emerging risks, and the initial development of long-term strategic areas of focus. The impacts that economics and governmental policies are having on driving changes to the grid; its operational characteristics; and, the resultant reliability and security risks were highlighted as emerging issues. Recommended strategic focus areas included:

1. The need to maintain a risk-based focus within the ERO Enterprise, including the assessment of emerging risks;
2. Developing advanced technical capabilities and skills;
3. Strengthening capabilities in security;
4. Enhancing internal and external communication capabilities;
5. Achieving greater ERO Enterprise-wide operating efficiencies; and,
6. Strengthening international engagement.

The ERO Executive Management Group will be developing potential action plans to address these issues for further consideration by the NERC Board of Trustees during its August meeting.

Draft NPCC 2018 Business Plan and Budget

He then introduced NPCC's Senior Vice President and Chief Operating Officer, Jennifer Mattiello, who provided a brief background with regard to the development process of the draft NPCC 2018 Business Plan & Budget.

Each annual business plan's development generally spans nine months; for 2018, the ERO Executive Management Group started its business plan development efforts in the fall of last year by establishing the Enterprise Strategic Plan including objectives, activities, and goals for 2018 as well as a set of Enterprise-wide Common Planning Assumptions.

Toward the end of last year, the ERO Financial Group had established templates for use by all of the Regional Entities and NERC. Starting in early February, NPCC again met with the



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ERO Financial Group to ensure alignment and next conducted individual meetings with NPCC program area heads to flesh out priority activities for 2018.

Following multiple iterations, NPCC narrowed in on three scenarios which the NPCC Finance and Audit Committee considered in April and based upon the middle of the road business plan scenario that resulted in a flat, net zero dollar scenario, NPCC developed the first draft that was submitted to NERC, posted to the NPCC website for comment, reviewed with the NPCC Finance and Audit Committee, the Board of Directors, and last week presented to FERC as well as the NERC Finance and Audit Committee. The bar set by FERC each year is one of sufficiency and NPCC maintains that resources are adequate for NPCC to fulfill its 2018 responsibilities as outlined within its Regional Delegation Agreement.

She highlighted specific areas of interest within the draft Business Plan, including:

- ✓ a comparison, by program area, of the variances between the 2017 and 2018 budgets; and,
- ✓ a summary the cost containment and resource reallocation efforts that were performed in order to achieve no net increase.

Within the Reliability Standards program area, she explained NPCC supports:

- ✓ Enhanced Periodic Review Standards Grading;
- ✓ Review of all activities related to standards under development;
- ✓ Conduct Cost Effectiveness Analyses; and,
- ✓ Periodic Reviews.

The Compliance program area will:

- ✓ Update the Compliance Registry based on latest risk-based approach;
- ✓ Implement the risk based CMEP,
- ✓ perform Physical Security evaluations and Cyber Security outreach programs;
- ✓ Process violations and non-compliances effectively;
- ✓ Approve Mitigation Plans along with mitigating activities; and,
- ✓ Coordinate the implementation of the executed Memorandum of Understanding with each of the Canadian Provinces within the Region.

In the Reliability Assessment and Performance Analysis program area, NPCC will:

- ✓ Directly participate in: key NERC Subcommittees, Task Forces and Working Groups;
- ✓ Support all NPCC Task Force activities approved by the RCC for 2018; and,
- ✓ Support ERAG/MMWG & ERO-EMG activities.

Additionally, NPCC will continue to conduct its Operator Training Seminars; perform in-depth event analyses; and expand support of the electric industry cyber and physical information sharing and analyses efforts.



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In financial terms, the 2018 Regional Entity division budget is down slightly with a -0.3% decrease and an associated RE division assessment increase of +0.6%. The Criteria Services non-statutory division budget increases +3.8% with an associated assessment decrease of -7.8%. These offsetting changes are the result of cumulative line by line budget calculations made to reflect the draft business plan, as well as the application of operating reserves and working capital maintained within the policy approved ranges and available for assessment stabilization.

Comments received will be addressed and resultant changes will be incorporated into the Draft for Approval, which will come to the NPCC FAC for endorsement at its June 14th meeting. NPCC program heads have additionally been tasked with providing some further enhancement to the Criteria Services section of the business plan to more fully describe potential initiatives in that area.

NPCC will bring a Draft for Approval to the full Board at its June 28th meeting. The drafts of the NERC or other Regional Entity Business Plans and Budgets are posted for comment on the respective websites. NERC presented its draft last week with a base case increase of 2.5% for a budget totaling \$71.4 million and with some strategic E-ISAC additions of \$1.8MM the increase would be 5.1% as compared to this year's budget. Based on those budget numbers, assessment increases could be 3.3% for the base case or 6.1% with the E-ISAC as currently projected by NERC.

Chair Report

Agenda

Mr. Evans-Mongeon reported that as a result of discussion at the prior Joint Task Force's meeting, discussion of the need for a NPCC Under Voltage Load Shedding – five-year study - has been removed from the RCC Chair report; approval of the revised NPCC Directory No. 8 "System Restoration" has been moved to the September 6th RCC meeting. The Compliance Committee Report and the NPCC SP-7 Working Group on Protection System Misoperation Review has been moved from Informational Items to Items for Discussion.

The RCC then approved the Agenda

2017 Solar Eclipse

Mr. Evans-Mongeon referred the RCC to the April "A Wide-Area Perspective on the August 21, 2017 Total Solar Eclipse" NERC White Paper. The white paper finds that the solar eclipse predicted by NASA on August 21st is unlikely to cause any reliability issues to the North American bulk power system. However, the White Paper recommends preparation and increased coordination by system planners and operators to understand how this phenomenon will impact power flows and resource commitment.



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Emerging Technologies Roundtable

Mr. Evans-Mongeon provided an overview of the topics to be presented at the NERC Emerging Technologies Roundtable scheduled for the week of the June NERC Standing Committees in San Diego, CA.

2017-2018 RCC Work Plan

Mr. Evans-Mongeon said the 2017 - 2018 RCC Work Plan (included in the Agenda package) was approved by the NPCC Board at the February 1st meeting. He indicated that the RCC leadership plans to complete a review of the RCC 2017 – 2018 Work Plan with respect to related NERC reliability risk priorities and strategic plan updates by June 2017.

Consent Agenda

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

March 1, 2017 Meeting Minutes

The Draft-For-Approval Minutes of the March 1, 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 1 – Transmission Owners

- ✓ Mr. George P. Wagh of Eversource Energy succeeds Mr. Brad Bentley, formerly of Eversource Energy, as a member.
- ✓ Mr. Brian Hayduk succeeds Mr. Gabe Gabremicael as an alternate member, both of National Grid.

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

- ✓ Mr. Dan Grinkevich of Consolidated Edison Company of New York, Inc. succeeds Ms. Kelly Silvers as a member, formerly from Con Ed.

Sector 5. Marketers, Brokers and Aggregators

- ✓ Ms. Alyson Slanover succeeds Mr. Brian O’Boyle as a member, both of Consolidated Edison Company of New York, Inc.
- ✓ Mr. Vitaly Spitsa succeeds Ms. Alyson Slanover as an alternate member, 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:



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Task Force on Coordination of Operation

- ✓ Mr. Daniel Cammarata succeeds Mr. Michael Schiavone as a member, both of National Grid; Mr. Michael Schiavone succeeds Mr. Daniel Cammarata as an alternate member.
- ✓ Mr. Sylvain Bastien succeeds Mr. Daniel Lefebvre as a member, both of Hydro-Québec TransÉnergie.

Task Force on System Protection

- ✓ Mr. Tom Burns will serve as a member and Mr. Jack DiOdoardo will serve as an alternate member, both of Central Hudson Gas and Electric.

Task Force on System Studies

- ✓ Mr. Ali Irvani succeeds Mr. Bharath Annabathina as a member, both of the New York Power Authority.
- ✓ Mr. Bharath Annabathina succeeds Ms. Khin Swe as an alternate member, both of New York Power Authority.
- ✓ Mr. Mark Stevens succeeds Mr. Gabriel Gabremicael as a member, both of National Grid.
- ✓ Mr. Kevin DePugh of the New York Independent System Operator succeeds Mr. David Conroy of Central Maine Power Company as Chair.
- ✓ Mr. David Conroy succeeds Mr. Kevin DePugh as Vice-Chair.

Task Force on Coordination of Planning

- ✓ Ms. Joy Brake of Nova Scotia Power, Inc. succeeds Mr. Gabriel Adam of the Ontario Independent Electricity System Operator, as Vice Chair.
- ✓ Mr. Greg Schabas succeeds Mr. Paul Dabrowski as a member, both of Ontario Power Generation, Inc.
- ✓ Mr. Paul Dabrowski will serve as an alternate member.

Task Force on Infrastructure Security and Technology

- ✓ Mr. Ron Adam succeeds Ms. Suzanne Black as a member, both of NRG Energy.
- ✓ Mr. Chris Boehm and Ms. May-Lissa Coty will serve as alternate members, both of Eversource Energy.
- ✓ Ms. Lori Pier Sanche of Hydro-Québec TransÉnergie will serve as an alternate member.
- ✓ Ms. Celia Sieg of the New York Independent System Operator will serve as an alternate member. Mr. David Fletcher of PSEG Fossil LLC will serve as an alternate member.

SP-7 Working Group on Protection System Misoperation Review

- ✓ Ms. Andrea Valenca from Hydro One Networks Inc. will serve as Vice Chair.

SP-9 (AD Hoc) Working Group on Telecommunication Circuits used for Teleprotection and Remedial Action Schemes

- ✓ Mr. Chuck Victor of Nova Scotia Power Inc. will serve as Vice Chairman.

SS-37 Working Group on Base Case Development

- ✓ Chelsea (Chuanjiang) Zhu succeeds Mr. Mark Stevens as a member, both of National Grid.



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SS-38 Working Group on Inter-Area Dynamic Analysis

- ✓ Mr. Zeqiu Li succeeds Mr. Emeka S. Ojukwu as a member, both of the New York Independent System Operator. Mr. Emeka S. Ojukwu will continue to serve as an alternate member.
- ✓ Ms. Pramila Nirbhavane will serve as a second alternate member from the New York Independent System Operator.
- ✓ Mr. Vincent Morissette of TransEnergie succeeds Mr. Quoc Le of NPCC as Vice Chairman. Mr. Quoc Le will continue to serve as a member.

SS-38 and Dynamic Load Molding Working Group

- ✓ Mr. Dean Latulipe of National Grid will serve as a member. Mr. Arash Sarmadi will serve as an alternate member.

CO-1 Working Group on Control Performance

- ✓ Mr. Dominic Richard succeeds Mr. Hubert Nolet-Cote as a member for Hydro-Québec TransÉnergie.
- ✓ Mr. Nolet-Cote succeeds Mr. Francis Monette as an alternate member, both of Hydro-Quebec TransEnergie.
- ✓ Ms. Gabrielle Genaurio succeeds Ms. Danielle Croop as an alternate member for PJM.

CO-8 Working Group on System Operations Managers

- ✓ Mr. Francis Monette succeeds Mr. Maxim Nadeau as an alternate member, both of Hydro-Québec-TransÉnergie.
- ✓ Mr. Lacy Skinner succeeds Mr. Aaron Markham as the alternate representative, both of the New York Independent System Operator.

CO-10 Working Group on System Operational Tools

- ✓ Mr. Bradley Lane succeeds Mr. Reece Pelletier as a member, both of New Brunswick Power; Ms. Claire Horton will serve as an alternate member.

CO-12 Working Group on Seasonal Assessment

- ✓ Ms. Natasha Flynn succeeds Ms. Mila Milojevic as a member for Nova Scotia Power; Ms. Milojevic will continue to serve as an alternate member.
- ✓ Mr. Harsh Dinesh succeeds Ms. Wei Yang as alternate member, both of the New York Independent System Operator.

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

- ✓ Ms. Janny Dong succeeds Mr. Syed Ahmed as a member, both of National Grid. Mr. Jack Martin of National Grid will serve as the alternate member.
- ✓ Ms. Laura Popa and Mr. Michael Welch will serve as alternate members, both of the New York Independent System Operator.

CP-11 Working Group on Review of NPCC Basic Criteria

- ✓ Mr. Andrew Wilcox of New Brunswick Power Company will serve as a member.
- ✓ Ms. Jennifer Li of Hydro One will serve as an alternate member.



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2017 New York Area Intermediate Transmission Review

Approved as provided in the Agenda package.

2017 Quebec Area Intermediate Transmission Review

Approved as provided in the Agenda package.

Reliability Coordinating Committee Actions

2016 Maritimes Area Comprehensive Transmission Review

Messrs. Wilcox and Charlton presented the 2016 Maritimes Comprehensive Transmission Review provided in the Agenda package. The review is a five-year-ahead reliability assessment of the Maritimes controlled grid and its conformance to the NPCC Design and Operation of the Bulk Power System (Directory No. 1). The forecast and conclusions made in the Review are based on the integrated results from expected changes in load, transmission and generation to 2021. The Task Force on System Studies (TFSS) conducted a review and recommended approval the Review.

The Task Force on Coordination of Planning agreed that the Bulk Power System in the Maritimes, as planned through the 2021, will remain in conformance with the NPCC Directory No. 1. The review was conducted in conformance with the TPL standards currently in effect and the BES definition. The TFCP recommended RCC approval of the 2016 Maritimes Comprehensive Transmission Review.

The RCC then unanimously approved the 2016 Maritimes Area Comprehensive Transmission Review provided in the Agenda package (written proxy in favor).

Retirement of NPCC Document No. 9 - Criteria for Review and Approval of Documents and Document No. 10

Mr. Doyle provided an overview a comprehensive assessment of NPCC Directories No. 9 and No. 10 and MOD-25-2 provided in the Agenda package. In accordance with the NERC Rules of Procedure and to ensure that the NPCC regional criteria remains consistent with the ERO Standards, the NPCC Task Force on Coordination of Operation undertook a reliability evaluation of the criteria in Directories No. 9 and No. 10 and recommended retiring all or part of the criteria contained within these Directories upon the full enforcement date of MOD-25-2 (July 1, 2019).

The RCC then unanimously recommended (written proxy in favor) retirement of NPCC Documents No. 9 and No. 10 (upon the full enforcement date of MOD-25-2) be presented to the NPCC Full Membership for final ballot approval.



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Items for Discussion

Review of the NPCC A-10 Criteria Review

Mr. Dunbar and Ms. Dawes led a discussion the CP-11 Working Group's review of the NPCC Document A-10 "Classification of Bulk Power System Elements" Action Plan's schedule, milestones; and deliverables.

Maritime Link Project

Ms. Joy Brake, Nova Scotia Power, Inc. gave a presentation on the design, engineering, construction, commissioning, operation, and maintenance of the Maritime Link Project - a new 500 MW (+/- 200 kV) high-voltage direct current link between Nova Scotia and Newfoundland. The presentation reviewed the System Design and Operations Integration, including:

- ✓ Operational Capability;
- ✓ Agreements & Authority;
- ✓ Operating Procedures and Tools, Training; and,
- ✓ Coordination with Neighboring Areas.

Electricity Subsector Coordinating Council (ESCC) Cyber Mutual Assistance Program

The ESCC is the principal liaison between the electric sector and the federal government for coordinating efforts to prepare for, and respond to, national-level disasters or threats to critical infrastructure. A presentation of the Cyber Mutual Assistance Program was provided by Mr. Crissman, who serves on the program's Executive Committee. The Cyber Mutual Assistance Program refers to a series of industry initiatives developed at the direction of the ESCC to provide emergency cyber assistance within the electric power industry. The Program's Playbook will be tested in the November 2017 NERC GridEx IV exercise. Currently there are 106 utilities (as of May 15, 2017) participating utilities across the US and Canada, several of which are NPCC members.

NERC Supply Chain Cybersecurity Risk Management Standards

Mr. John Helme, Chair of the NPCC Task Force on Infrastructure Security & Technology led a discussion of the current status of the applicability, purpose, requirements, and timeline associated with Cyber Security Supply Chain Risk Management - CIP-013-1 Standard.

Eastern Interconnection Reliability Assessment Group (ERAG)

Mr. Lombardi, reviewed key ERAG activities and initiatives, including:

- ✓ Development of system short circuit representations (required by MOD-032-1 requirements);
- ✓ Event replication procedure and field trial based on NPCC's Event Replication Base experience; and,
- ✓ Plans for the main Eastern Interconnection Planning Coordinators to provide a summary of their assessment methods (September 26-27 in Tampa, Florida and October 11-12 in Charlotte, NC).



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SP-7 Working Group on Protection System Misoperation Review

Mr. Echeverria summarized the Task Force on System Protection (TFSP) SP-7 Working Group's review of protection system misoperations as completed through the 4th Quarter of 2016 as provided in the Agenda package.

He reported that the TFSP also reviewed a comparative analysis of the NPCC and SERC protection system misoperations from 2013 through 2016 as reported in the NERC Misoperation Information Data Analysis System (MIDAS). NPCC staff performed the analysis and also coordinated the sharing of the information with SERC staff.

NPCC Staff will continue perform comparative analyses with adjacent Regions including the Midwest Reliability Organization and ReliabilityFirst. Results are planned to be included in the next SP-7 Working Group report to the RCC in September.

NPCC Compliance Committee Report

Mr. Kopman led a discussion on the following items provided in the Agenda package:

- ✓ CIP Internal Control Evaluation (ICE) program- NPCC is developing a process document for the CIP ICE program; a presentation describing the NPCC CIP ICE approach was made at the March 2017 NPCC Compliance Committee meeting. This presentation highlighted the techniques; frameworks; risk approaches; top critical security controls list; practices; tools; cybersecurity control types; and the questionnaires used during the evaluation.
- ✓ 2017 enhanced Registration Data Base – NPCC has developed a Compliance Procedure for the validation of each of the registered entities assets, both generation and transmission. NPCC presented this procedure to the NPCC Compliance Committee at its March, 2017 meeting. The development of this document is one of the activities related to the enhancement of the NPCC Registration Data Base.
- ✓ The ERO – CEMP tool for data reporting that will replace the CDAA. NPCC is actively participating in the ERO-Enterprise project related to the development of a new CMEP technology program -- a suite of tools to integrate and share data. This program will better align the business process of NERC and the Regional Entities, improving documentation, sharing, and analysis of compliance work activities and making CMEP activities more efficient and effective across the ERO Enterprise.

NERC Agenda Items

Joint Session: Planning and Operating Committee Meeting

Mr. Oks reviewed the following items planned for presentation at the June NERC Planning and Operating Committees Joint Session:

- ✓ BPS Reliability Perspectives;
- ✓ Inverter Disconnects Task Force;
- ✓ Solar Eclipse White Paper;
- ✓ NERC 2017 State of Reliability Report; and,
- ✓ Methods for Establishing IROs Task Force.



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Operating Committee Meeting

Mr. Oks then reviewed the following items for approval at the June 2017 NERC Operating Committee Agenda items:

- ✓ Election of Operating Committee Officers;
- ✓ The Inverter Task Force Report & Alert Recommendation to Industry;
- ✓ Solar Resource Performance Task Force Scope;
- ✓ Operating Manual; and,
- ✓ The Performance Standard Reference Guideline.

He also noted several Reliability Guidelines being considered for approval to post for a 45-day comment period.

Planning Committee Meeting

Mr. Fedora reviewed the following items for approval on the Draft June Planning Committee Agenda:

- ✓ Nominating Committee's recommendation for Planning Committee Chair and Vice Chair;
- ✓ Plant-level Control and Protection Modeling Task Force Technical Reference Document;
- ✓ Discussion of identified Emerging Issues; and,
- ✓ Solar Resource Performance Task Force Scope.

Critical Infrastructure Protection Committee Meeting

Mr. Helme noted there were no voting items on June NERC Critical Infrastructure Committee Agenda; he highlighted the following Agenda Items:

- ✓ VOIP Compliance Considerations;
- ✓ Shared Facility Considerations; and,
- ✓ Personnel Risk Assessment.

Informational Items

Mr. Evans-Mongeon referred the RCC to the materials included in the Agenda package.

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

Next RCC Meeting Date

Wednesday, September 6, 2017

Location

Marriott New York Times Square
Residence Inn

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

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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.