



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

## **NPCC 2022 Corporate Reliability Goals** **Board Accepted February 2, 2022**

NPCC is committed to the vision of a highly reliable and secure North American bulk power system (BPS). NPCC's specific role in support of the overall ERO Enterprise mission is to assure the effective and efficient reduction of risks to the reliability, resilience, and security of the international BPS within Northeastern North America. NPCC works collaboratively with NERC and the other Regional Entities to collectively attain the reliability objectives identified in the *ERO Enterprise Long Term Strategy* which focuses on enhancing risk-based controls to minimize BPS reliability risk, while also identifying, evaluating, and addressing new and emerging issues affecting BPS reliability, including threats to cyber and physical security across North America.

Each of the NPCC 2022 Corporate Goals is presented in terms of support of a Strategic Focus Area within the NPCC 2022 - 2025 Working Draft Strategic Plan and include: Enhancing System Resilience and Assuring Energy Sufficiency; Reliably Integrating the Resources brought forward by Societal De-carbonization Objectives, including Distributed Energy Resources (DER) and Variable Energy Resources (VER); and Addressing Cyber and Physical Threats. The NPCC 2022 Corporate Goals also support the objectives outlined in the NPCC Board and FERC approved *NPCC 2022 Business Plan and Budget*.

There are Threshold and Target performance level aspects identified for each Corporate Goal. Attainment of a previous performance level is a prerequisite for obtaining credit of attainment at a higher performance level. In addition, each aspect of a goal is either Qualitative or Quantitative and each has a committee as a third-party oversight reviewer to support objectivity, transparency, and auditability.



## NPCC 2022 CORPORATE RELIABILITY GOALS

<i>Goal</i>	<i>Strategic Focus Areas Objectives</i>	<i>Oversight Reviewer</i>
<p><b><i>I - (50%)</i></b></p>	<p><b>Enhancing System Resilience and Assuring Energy Sufficiency</b>  <i>NERC Reliability Standards and NPCC Directories are clear, timely, effective in mitigating risks to reliability, and consider cost-effectiveness/impact.</i></p> <p><i>The CMEP program promotes a culture of reliability excellence through risk-informed compliance monitoring, mitigation, enforcement, and registration.</i></p> <p><i>The NPCC Region has sufficient dispatchable generation and/or operational plans that support reliable operations as renewable resources are added to the energy mix.</i></p>	<p><i>Reliability Coordinating and Compliance Committees</i></p>
<p><b><i>II – (25%)</i></b></p>	<p><b>Reliably Integrating the Resources Brought Forward by Decarbonization Objectives, Including Distributed Energy Resources (DER) and Variable Energy Resources (VER)</b>  <i>Prevention and mitigation of bulk power system reliability risks due to the increase in DER/VER and the increased connected load that will support meeting societal decarbonization goals.</i></p>	<p><i>Reliability Coordinating and Regional Standards Committees</i></p>
<p><b><i>III - (25%)</i></b></p>	<p><b>Addressing Cyber and Physical Security Threats</b>  <i>Prevention and mitigation of cyber and physical security risks through active stakeholder engagement and information sharing of current threats and vulnerabilities, security workshops, and development of good industry practice guides.</i></p>	<p><i>Reliability Coordinating and Compliance Committees</i></p>



## NPCC 2022 CORPORATE RELIABILITY GOALS

I.	Enhancing System Resilience and Assuring Energy Sufficiency (Weighting: 50% of Total)		
I-A	Enhancing System Resilience	Threshold	Target
<b>IA-1. (5%)</b>	To support excellence in execution and high quality, CMEP Staff aims to maintain compliance with the NERC Rules of Procedure for performing CMEP activities.	No more than 4 instances of noncompliance with CMEP ROP obligations in 2022.	No more than 2 instances of noncompliance with CMEP ROP obligations in 2022.
<b>IA-2. (10%)</b>	To streamline the processing of common noncompliance, NPCC will develop and implement approaches to process the top 8 most violated Standards in NPCC by developing standard specific criteria that will be used by Staff for identifying the extent of the issue and assessing the risk of the noncompliance.  (Note: Reliability Standards for this Goal are CIP-007, CIP-010, CIP-004, MOD-025, FAC-008, PRC-005, CIP-002, and CIP-006)	Develop noncompliance processing approach tools for top 8 most violated Standards by 9/22.	Apply developed approach tools to 60 noncompliance by 12/22.  Present and share developed noncompliance processing approach tools with the ERO Enterprise for acknowledgement and potential use by 12/22.
<b>IA-3. (5%)</b>	To support resilience for wide-spread long term cold weather events, NPCC will use the NERC CMEP Practice Guide on Cold Weather Preparedness to engage a subset of Generator Owner/Generator Operators.	Develop awareness questionnaire from the NERC Winter Preparedness Practice Guide and send Compliance Bulletin to all 160 registered GO/GOP - by 2/22.  Present status to CC – by 3/22.	Perform on-site winterization walk-downs for 3 volunteering GO/GOP - by 10/22. (If COVID travel restrictions are lifted by 5/31/22)  Assess questionnaire and provide individual feedback to 2 additional volunteer GO/GOP - by



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		<p>Present status at Spring 2022 Compliance Webinar.</p> <p>Assess questionnaire and provide individual feedback to 5 volunteer GO/GOP - by 8/22.</p>	<p>10/22. (If COVID travel restrictions do not allow for on-site assessments, the Target for this aspect is 6 additional volunteers, rather than 2.)</p> <p>Present status at Fall 2022 Compliance Webinar.</p> <p>Present status and results to CC – by 12/22.</p>
<b>IA-4. (10%)</b>	Identify and provide recommendation(s) to revise NPCC Reliability Criteria for consideration by the NPCC Members.	<p>Develop a manual load shedding tabletop exercise for NPCC system operators and load shedding entities responsible for determining/designing load shedding programs.</p> <p>Present scope and goals proposal for the tabletop exercise for RCC endorsement - by 06/22</p> <p>Conduct the tabletop exercise – by 09/22</p>	Report “lessons learned” and any NPCC Reliability Criteria revision recommendations to the RCC for endorsement – by 12/22
<b>I-B</b>	<b>Assuring Energy Sufficiency</b>	<b>Threshold</b>	<b>Target</b>
<b>IB-1. (10%)</b>	Assess gas-electric interdependencies.	Form a technical committee, consisting of members of	Develop a report with addressing the identified



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		<p>the gas transmission and distribution community as well as the electric utility industry, to identify future NPCC Regional gas-electric interdependency risk(s) by 6/22.</p> <p>Report the results of the NPCC Regional gas-electric review– by 9/22.</p>	<p>future gas-electric interdependencies with recommendations for mitigating actions for RCC endorsement - by 12/22</p>
<b>IB-2. (5%)</b>	<p>Identify and provide recommendation(s) to revise NPCC Reliability Criteria for consideration by the NPCC Members.</p>	<p>Actively participate in the EPRI Resource Adequacy for a Decarbonized Future Project – through 12/22.</p> <p>Draft a report that summarizes resource adequacy scenario definition guidelines in support of regional energy sufficiency and reliability objectives.</p> <p>Status to the RCC – by 9/22.</p>	<p>Present NPCC Regional recommendation(s) addressing identified gaps in commercial reliability adequacy assessment tools and suggest areas new metric, model, and algorithm improvements to the RCC - by 12/22.</p>
<b>IB-3. (5%)</b>	<p>Assure sufficient real-time awareness of DER/VER resource availability and capability and that there are contingency plans when energy limitations affect the resource.</p>	<p>Participate in the US DOE Atlantic Offshore Wind Study - through 12/22.</p> <p>Present identified potential resource energy limitations such as caused by weather</p>	<p>Develop NPCC Regional recommendations for resource adequacy energy sufficiency assessments for RCC endorsement - by 12/22.</p>



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		events, common mode failure scenarios caused by interdependencies and transmission constraints to the RCC – by 9/22.	
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<b>II.</b>	<b>Reliably Integrating the Resources brought forward by Societal De-Carbonization Objectives, including Distributed Energy Resources (DER) and Variable Energy Resources (VER). (Weighting: 25% of Total)</b>	<b>Threshold</b>	<b>Target</b>
<b>II-1. (20%)</b>	<p>Enhance the review and coordination of distributed energy resource requirements and the identification of potential inconsistencies between State and Provincial Regulatory rules and continuing enhancement of a Regionally consistent DER guidelines document by outreach to load serving entities.</p> <p>Reviewing and revising, as required, NPCC Directories to address reliability contributions and challenges of changing technologies.</p>	<p>Conduct three (3) DER/VER Forums to identify State and Provincial Regulatory rules such as associated with electric charging of vehicles and building electrification, to inform enhancements of the DER Guidelines document.</p> <p>Present DER Guideline enhancements to the RCC and RSC for endorsement – by 12/22.</p>	<p>Develop future revisions to NPCC Directory No. 1 to address reliability contributions and challenges of changing technologies and load characteristics for RCC and RSC endorsement – by 12/22.</p>



NPCC, Inc.

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<p><b>II-2.</b> <b>(5%)</b></p>	<p>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 de-carbonization objectives.</p>	<p>Conduct three (3) 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, the impact of emerging technologies, and operability of the BPS with respect to the integration of DER/VER - by 10/22.</p>	<p>Conduct a fourth briefing with state and provincial regulators to identify specific northeast emerging reliability risks (such as associated with NPCC system black start and automatic under frequency load shedding programs for example).</p> <p>Provide quarterly status reports to the RCC and RSC by 12/22.</p>
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<p><b>III.</b></p>	<p><b>Address Cyber and Physical Security Threats</b> <b>(Weighting: 25% of Total)</b></p>	<p><b>Threshold</b></p>	<p><b>Target</b></p>
<p><b>III-1.</b> <b>(15%)</b></p>	<p>Identification of cybersecurity protection and advanced data management requirements associated with next generation substation designs (digital substations) to enhance operational technology (OT) resilience and maximize future grid security.</p>	<p>Enhance interactions with agencies (e.g., NERC E-ISAC, DHS, DOE, Natural Resources Canada, and Federal, State and Local Law Enforcement) through quarterly collaboration sessions to foster a more efficient working model for information and intelligence sharing, to identify cybersecurity threats to Operational Technology.</p>	<p>Conduct an industry workshop to provide an avenue for education and best practices sharing to support the security and resilience of Operational Technology (OT) systems - by 12/22.</p>



## NPCC 2022 CORPORATE RELIABILITY GOALS

		Post Quarterly NPCC Security Bulletins.	
<b>III-2. (10%)</b>	Transition NPCC’s registered entities from the current compliance portal (CDAA) through Release 3 (audit process) and Release 4 (Inherent Risk Assessments, Compliance Oversight Plans, documentation of assessment of internal controls) of Align and Secure Evidence Locker (SEL) tools in order to better ensure that the enhanced security benefits for the handling of entity data/evidence are realized immediately, efficiently, and uniformly across the ERO Enterprise. (Current NERC project team deadlines are 6/22 and 12/22 for Release 3 and Release 4).	<p>Update the prioritized training strategy used in 2021 with the CC for Release 3 and Release 4 – by 3/22.</p> <p>Conduct prioritized Release 3 training including 2 webinars, notifications, messaging, and posted training material - by 6/22.</p> <p>Present user survey on NPCC Release 3 user training experiences to CC – by 6/22.</p>	<p>Conduct prioritized Release 4 training including 2 webinars, notifications, messages, and posted training material - by 12/22.</p> <p>Present user survey results on overall NPCC Release 4 training and provide a recap of 2022 training efforts to CC for endorsement – by 12/22.</p>

Accepted by NPCC Board of Directors  
February 2, 2022