



November 20, 2020

Subject: Approval of NPCC Guidance Document, “Distributed Energy Resources (DER) Considerations to Optimize and Enhance System Resilience and Reliability”

The Regional Standards Committee (“RSC”), in conjunction with various industry participants, has developed and approved the subject DER guidance document. This latest version of the document was developed this year in response to the NPCC Board of Directors, and RSC’s interest in reliably and effectively integrating DER resources into the power system. The document (filename, DER V2 11-20-2020.pdf) has been posted on the NPCC Website in the DER Forum section:

[NPCC DER Forum Webpage](#)

The document reflects revisions based on advancements in technology, further suggestions for Regional coordination, and stakeholder comments received during the 45-day open process posting which closed on August 15th, 2020. The document was shared with NERC and the other ERO Regions during the posting period and comment responses have been posted.

There have been significant and important additions and revisions made during the development of this version and guidance has been received from the Electric Power Research Institute (“EPRI”), the National Renewable Energy Labs (“NREL”), NERC, State and Provincial Regulators, and Institute of Electrical and Electronic Engineers (“IEEE”) members involved with the development of the IEEE 1547-2018 standard.

Revisions include the following:

- Closer alignment with the activities of the NERC System Planning Impacts of DER WG (“SPIDERWG”) to avoid duplication and promote delineation of activities and scope
- Identification of State and Provincial Regulatory Carbon emission-related objectives and links to pertinent local requirements.
- Emphasis on the significance of working with Authorities Governing Interconnection Requests (“AGIR”) to align with IEEE-1547-2018.
- Addition of an Appendix describing an “Autonomous Energy Grid”
- The Energy Storage section has been expanded to identify benefits associated with Hybrid resources where control of energy production and storage is controlled behind the point of interconnection
- The DER Guidance Version 2 now has additional recommendations for further consideration (26 total)
- Additional references and helpful links to NERC and industry pertinent to DER.

Respectfully,

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Chair, Regional Standards Committee and DER Forum
NPCC Asst. Vice President-Standards