

SCOPE

Modeling of Emergency Operating Procedures (EOPs) and Demand Resources (DR) in the Outside World Areas

1. Objectives of study

- 1.1. Examine the present Policy 5 stipulation that does not currently allow representation of EOPs that may be available in each Outside World Areas (OWA) in IRM studies, and, if warranted, recommend a Policy 5 change that would allow use of OWA EOPs to assist NYCA during emergencies.
- 1.2. Establish 2016 PJM DR forecast projections for various DR categories, including which category or categories should be designated as an EOP.
- 1.3. Based on the EOP recommendation in 2.1, recommend how DR should be modeled in the OWA, including PJM.

2. Fact Finding Actions and Questions

- 2.1. Develop a series of questions for each OWA regarding what EOPs each neighbor utilizes internally and/or externally and whether/how such EOP is modeled in LOLE studies
- 2.2. Provide such questions to each OWA member of NPCC CP-8, except for PJM who is not a member of NPCC.
- 2.3. Request a PJM rep to attend an ICS meeting in person or Webex to give a presentation on (1) PJM DR programs and procedures, (2) how PJM accounts for DR in their own LOLE studies, (3) information on how PJM would share DR and other EOPs during NYCA emergencies, (4) status of a pending FERC DR decision and how it could impact on PJM DR programs, and (5) DR projections for 2016.
- 2.4. Identify EOPs in NE, OH, and HQ (types and amounts) and their procedures concerning if and how EOPs are implemented to provide emergency assistance to neighboring Areas, in particular, NYCA.
- 2.5. Determine if neighboring Areas include the LOLE benefits provided by emergency assistance in establishing their reserve margins and its relative impact.
- 2.6. Determine whether the Areas that include the LOLE benefits of emergency assistance in their studies include the EOPs in the neighboring areas as part of their assistance.
- 2.7. Determine how NPCC studies handle EOPs.
- 2.8. Discuss NYISO operator views on above issues.
- 2.9. Determine if NYISO staff will need to perform any LOLE sensitivity studies.
- 2.10. Confirm that ICS will continue to include PJM Extended and Annual DR programs in the PJM installed capacity model as in the 2015 IRM Study.

2.11. Policy 5-8 indicates that EOPs are not represented in OWAs is because “there are uncertainties associated with the performance and availability of these resources and the ability to deliver them to NYCA boundaries during a system emergency event, as well as recognition of other unknowns in the external control area modeling representation.” Based on the responses to the above questions and actions, conclude as to whether these uncertainties and concerns are still valid.

3. Report

Complete report by April 2015.