

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

1. Background
2. Objectives of study
 - 2.1. Examine the present policy of not representing in the IRM study the EOPs that are available in each Outside World Area (OWA). Recommend changes for each, if warranted.
 - 2.2. Establish 2016 PJM DR forecast projections for different DR categories and determine which should be considered as EOPs.
 - 2.3. Based on EOP recommendation in 2.1, recommend modeling of DR in Outside World Areas, specifically in PJM
3. Fact Finding Actions and Questions
 - 3.1. ICS to develop a series of questions for each Outside World Area regarding what EOPs each neighbor utilizes internally and/or externally and whether/how such EOP is modeled in LOLE studies
 - 3.2. Provide such questions to each OWA member of NPCC CP-8, except for PJM who is not a member of NPCC.
 - 3.3. 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.
 - 3.4. 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.
 - 3.5. Determine if neighboring Areas include the LOLE benefits provided by emergency assistance in establishing their reserve margins and its relative impact.
 - 3.6. 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.
 - 3.7. Determine how NPCC studies handle EOPs.
 - 3.8. Discuss NYISO operator views on above issues.
 - 3.9. Determine if NYISO staff will need to perform any LOLE sensitivity studies.
 - 3.10. 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.
 - 3.11. Policy 5-8 indicates that EOPs are not represented in Outside World areas 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.

3.12. Complete report by April 2015