

02/03/2021 ICS Meeting

ICS 2021 White Paper SCOPE (DRAFT)

Evaluate Improvements to Modeling SCR Duration Limits

Study Purpose and Summary

Evaluate the modeling of Special Case Resources (SCR) to determine an optimal method of accounting for them in determining statewide ~~IRM~~ Installed Reserve Margin (IRM) requirements.

Study Scope

Review and investigate the existing SCR modeling technique in ~~MARS, with a~~ GE MARS modeling software. ~~The analysis will~~ focus on ~~existing constraints on their the~~ ability to provide and duration of reliability services ~~provided by SCRs~~, and the fact that ~~the MARS program does not impose~~ daily duration limits ~~are not imposed~~ on SCRs. ~~This should include a~~ The white paper will review ~~of whether how~~ the existing derating factors, including SCR performance, the ACL (Average Coincident Load) to CBL ~~derating (Customer Baseline Load)~~ factor, and the ~~five~~ days per month dispatch limit ~~sufficient represent the reliability value of SCRs. sufficiently interact with SCR duration limits might need to be changed as a result of also modeling duration limits.~~ Imposing duration limits on SCRs ~~is not possible with the current version of MARS and~~ would require either: (a) adoption of GE's enhanced Energy Limited Resource (ELR) modeling module, or (b) an alternative SCR modeling construct similar to the current "simplified method" for modeling ELRs.

~~Provide an analysis of the existing method of modeling SCRs and any recommended changes~~ The white paper will consider recommendations that are indicated to provide would enhance SCR modeling and increase confidence in ~~the modeling results in determining NY used to determine New York's IRM requirements. The analysis will be conducted together with the white paper that will further investigate ELR modeling in MARS.~~

Study Schedule

This study will be completed by May 2021.

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