

2020 IRM STUDY – ICS TASKS

Task #	Task	2019 Priority	Task Need/Description	Documents Needed/ Due Dates	Task Leader	Status/Comments
1	Energy Storage Modeling	1	There is the potential for two new energy storage resources to be included in the 2020 IRM study. ICS will focus on how best to reflect the resources energy limitations within the MARS model. ICS will also track new enhancements to the MARS software that may be available to assist in the modeling.	Scope/due 1/29 White Paper/due 4/3/19	Ryan C.	New MARS software to improve energy storage modeling has not yet been released by GE. Draft white paper was presented on 4/3 discussing interim model to be used for 2020 IRM Study.
2	External Area Model	1	The 2019 IRM study did not update the external area models due to a significant variability in IRM results. ICS will work to make changes to the method of updating the externals areas and bringing them to criterion that limits large changes in the NYCA IRM.	Scope/due 1/29 White Paper/due 4/3/19 Policy 5 Update 5/2/19	John A. and Greg D.	An initial draft white paper was presented on 4/3/19; final draft expected on 5/1/19.
3	HQ Cedars Upgrade	3	The actual project will not be completed until 2021; however, the upgrade will require MARS areas HQ and Cedars to be combined and modeled as a single area. NYISO has indicated that they would like to make this change this year in anticipation of the change in 2021. A sensitivity was conducted in the 2019 IRM study resulting in a 0.1% increase in the IRM.	Final presentation on 5/1/19	Frank C.	An update was presented on 4/3/19 on testing that is being done to evaluate potential changes.
4	HQ Wheel to NE	2	ICS will evaluate the proposal to reflect the HQ wheel through NYISO to ISO-NE in the 2020 IRM study. ICS will work to develop an appropriate modeling methodology should this change be incorporated for the 2020 IRM study.	-1/30 Scope Presentation -6/5 presentation w/recommendation	Nate G.	Presentation to evaluate 'other' impacts and make recommendation

Updated 4/12/19

5	DER Integration	3	In an ongoing effort ICS will continue to monitor the progress and methods to model DER resources in the IRM study.	Status presentation on 6/5	Kai J.	Presentation to address modeling options.
6	Load Shape Selection	3	NYISO has indicated that this is likely a three-year process and will take time to develop and implement as the IRM load shapes are also used in other NYISO planning studies. In 2018 NYISO presented some initial thoughts and ideas on how to update the load shapes and will follow up with ICS periodically with updates.	Status presentations	Arthur M.	Presentation on 4/2 on a review of historic load and weather data to compare current load shapes utilized in IRM studies. Schedule of future load shape development actions were provided. Implementation of new load shape expected in 2021 for 2022 IRM study.
7	Exports to NE	3	ICS will continue to monitor ICAP exports to ISO-NE and their treatment in the IRM study.	Monthly	Nate G	Provide updates to ICS
8	Public Appeals	3	Public appeals are an ongoing ICS action item. Currently, zone B (0.8 MW) and zone K (80 MW) count on public appeals as an emergency operating procedure (EOP). ICS members have raised concerns about relying on an EOP without verification of the achievable MW reductions. RRS is also examining this issue – ICS will await RRS conclusions before proceeding.	Recommendation by 5/1/19.	Alan A	PSEG-LI prepared a paper to support the 80 MW value used to model LI public appeals. The paper was presented to ICS, RRS, and the EC. On 4/11, based on the paper's analysis and conclusions, the EC requested ICS to continue the use of the 80 MW public appeals value for the 2020 IRM Study.