

**2020 IRM STUDY – ICS TASKS**

<b>Task #</b>	<b>Task</b>	<b>2019 Priority</b>	<b>Task Need/Description</b>	<b>Documents Needed/ Due Dates</b>	<b>Task Leader</b>	<b>Status/Comments</b>
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.	NYISO to report on GE status. Will propose 2020 IRM modeling. Propose sensitivity using GE MARS upgrade.
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	John A. and Greg D.	A presentation on 1/30/19 will review the scope, including a description of the issue and options to be examined.
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.	Presentation on 5/1	Frank C.	NYISO to make recommendation on combining areas. Propose sensitivity with 80 MW upgrade to CRT capability.
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
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	Status presentation on 6/5	Arthur M.	

Updated 1/22/19

			thoughts and ideas on how to update the load shapes and will follow up with ICS periodically with updates.			
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.	Periodic updates. Recommendation by 7/30	Alan A	RRS to conduct review of NYCA EOP steps.