

### 2020-21 IRM STUDY MILESTONE SCHEDULE

Month	ICS Meeting	EC Meeting	2020-21 IRM Study Milestones
	Assignments for month		
January	1/2/19	1/11/19	-ICS Identifies issues needing to be addressed for preparation for 2020 IRM Study: milestone schedule; potential new models, including modeling development scope requirements; list of tasks, and initial look at possible Policy 5 revisions.
February	1/29/19	2/8/19	-ICS <b>approves</b> milestone schedule. -ICS <b>approves</b> list of tasks needed for preparation of 2020 IRM study. -ICS <b>approves</b> scopes of potential new models, e.g., external Area modeling. -ICS reviews initial 2020 IRM Study Assumptions Matrix. -EC <b>approves</b> milestone schedule.
	ICS/NYISO		-ICS begins preparation of potential new models. -NYISO begins preparation of preliminary transmission topology.
March	2/26/19	3/8/19	-ICS reviews status of potential new models and updated 2019 IRM Study Assumptions Matrix.
	ICS/NYISO		-ICS completes new model development and prepares white paper.
April	4/3/19	4/11/19	-ICS reviews draft white papers for new models. -ICS reviews updated 2020 IRM Study Assumptions Matrix.
	ICS/NYISO		-NYISO reviews GADS data. -NYISO updates new MARS software and benchmarks as necessary. -NYISO begins base case build-up used for parametric analysis.
May	5/1/19	5/10/19	-ICS <b>approves</b> new model white papers. -ICS reviews updated 2020 IRM Study Assumptions Matrix. -If applicable, ICS <b>approves</b> use of new MARS version. -EC <b>approves</b> new model white papers.
	ICS/NYISO		-NYISO completes preparation of preliminary transmission topology and sends to TPAS and ICS for review.
June	6/5/19	6/14/19	- ICS reviews updated 2020 IRM Study Assumptions Matrix, including preliminary transmission topology. - ICS completes draft of any Policy 5 revisions for EC approval.
July	6/26/19	7/12/18	-ICS <b>approves</b> preliminary 2020 IRM Study Assumptions Matrix. -EC <b>approves</b> preliminary 2020 IRM Study Assumptions Matrix.
	ICS/NYISO		-NYISO performs parametric study to be used as the basis for Table 6-1 of IRM Study report. -NYISO conducts preliminary IRM tan 45 study following parametric study. -ICS members prepare list of proposed sensitivity cases and submits to ICS chair.
August	7/31/19	8/9/18	-ICS <b>approves</b> list of sensitivity cases. -EC <b>approves</b> list of sensitivity cases.
	8/15/19*	----	-ICS reviews parametric study results and preliminary tan 45 analysis and IRM.
	ICS/NYISO		-NYISO sends the completed initial master input file to GE by 8/21.
	9/4/19	9/13/19	-ICS <b>approves</b> parametric results for Table 6-1.

Month	ICS Meeting	EC Meeting	2020-21 IRM Study Milestones
	Assignments for month		
September			-ICS <b>approves</b> preliminary 2020 base case IRM. -EC reviews preliminary base case IRM and parametric results.
	ICS/NYISO		-NYISO provides initial masked/encrypted input data to TOs for data quality assurance review by 9/15. -NYISO begins sensitivity testing for Table 7-1 based on preliminary base case. -NYISO staff/LFWG prepares fall load forecast and delivers to ICS. -NYISO, GE and TOs complete preliminary base case data quality assurance reviews. -By 9/25, NYISO submits final transmission topology changes, if any, to TPAS and ICS.
October	10/2/19	10/10/19	-ICS <b>approves</b> fall load forecast. -NYISO and TOs report preliminary data base quality assurance review. -ICS accepts preliminary data base quality assurance review. -ICS reviews and approves preliminary sensitivity results. -EC reviews preliminary sensitivity results. -ICS <b>approves</b> Final 2020 IRM Base Case Assumption Matrix. -EC <b>approves</b> Final 2020 IRM Base Case Assumption Matrix.
	ICS/NYISO		-NYISO completes sensitivity testing. -ICS conducts base case study and determines final base case including tan 45 analysis and IRM. -ICS prepares initial draft IRM report, including Tables 6-1 and 7-1. -NYISO delivers final base case input files to GE for incremental review and masking. -GE provides masked data base to the NYISO.
November	10/30/19	11/8/19	-NYISO provides masked database for final TO review. -NYISO reports any changes based on final base case review. -ICS reviews and provides comments on first draft IRM report. -EC reviews and provides comments on second draft IRM report. -ICS <b>approves</b> final 2020 IRM base case. -EC <b>approves</b> final 2020 IRM base case. -ICS identifies the need for a Special Sensitivity Case.
	11/15/19*		-ICS accepts final base case quality assurance review. -NYISO completes special sensitivity case Tan 45 analysis. -ICS determines if Special Sensitivity Case should become final base case, and obtains EC approval.
	ICS/NYISO		-ICS prepares final draft IRM report (ICS).
December	12/2/19	12/6/19	-ICS <b>approves</b> final draft 2020 IRM report. -EC <b>approves</b> 2020 IRM report, Final 2020 IRM, and IRM resolution.
	ICS/EC/NYISO		-Issue 2020 IRM letter to NYISO CEO (EC). -IRM Filing to FERC if required (EC). -Prepare LCR realignment study if Final 2018 IRM is less than base case IRM (NYISO). -Special conference call around 12/14/19, if needed, to approve LCR realignment study (ICS)*.

\* Conference call – date shown is preliminary