

### 2019-20 IRM STUDY MILESTONE SCHEDULE

Month	ICS Meeting	EC Meeting	2019-20 IRM Study Milestones
	Assignments for month		
January	1/3/18	1/11/18	-ICS Identifies issues needing to be addressed in preparation for 2018 IRM Study: milestones, lessons learned, potential new models, NYISO alternate LCR methodology, etc.
February	1/30/18	2/9/18	-ICS <b>approves</b> milestone schedule. -ICS <b>approves</b> list of tasks needed for preparation of 2019 IRM study. -ICS <b>approves</b> scopes, as needed, of potential new models. -ICS reviews initial 2019 IRM Study Assumptions Matrix. -EC <b>approves</b> milestone.
	ICS/NYISO		-ICS begins preparation of potential new models. -NYISO begins preparation of preliminary transmission topology.
March	2/27/18	3/9/18	-ICS reviews status of potential new models and updated 2019 IRM Study Assumptions Matrix.
	ICS/NYISO		-ICS completes new model development, if any, and prepares white paper.
April	4/4/18	4/13/18	-ICS reviews draft white paper for new model, if any. -ICS reviews updated 2019 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	5/2/18	5/11/18	-ICS <b>approves</b> new model white paper, if any. -ICS reviews updated 2019 IRM Study Assumptions Matrix. -If applicable, ICS <b>approves</b> use of new MARS version. -EC <b>approves</b> new model white paper, if any.
	ICS/NYISO		-NYISO completes preparation of preliminary transmission topology and sends to TPAS and ICS for review.
June	5/29/18	6/8/18	- ICS reviews updated 2019 IRM Study Assumptions Matrix, including preliminary transmission topology.
July	6/27/18	7/13/18	-ICS <b>approves</b> preliminary 2019 IRM Study Assumptions Matrix. -EC <b>approves</b> preliminary 2019 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 prepares list of proposed sensitivity cases and submits to ICS chair.
August	8/1/18	8/10/18	-ICS <b>approves</b> list of sensitivity cases. -EC <b>approves</b> list of sensitivity cases.
	8/15/18*	----	-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 8/22.
September	9/5/18	9/14/18	-ICS <b>approves</b> parametric results for Table 6-1. -ICS <b>approves</b> preliminary 2019 base case IRM. -EC reviews preliminary base case IRM and parametric results.

Month	ICS Meeting	EC Meeting	2019-20 IRM Study Milestones
	Assignments for month		
	ICS/NYISO		<ul style="list-style-type: none"> <li>-NYISO provides initial masked/encrypted input data to TOs for data quality assurance review by 9/15.</li> <li>-NYISO begins sensitivity testing for Table 7-1 based on preliminary base case.</li> <li>-NYISO staff/LFWG prepares fall load forecast and delivers to ICS.</li> <li>-NYISO, GE and TOs complete preliminary base case data quality assurance reviews.</li> <li>-By 9/25, NYISO submits final transmission topology changes, if any, to TPAS and ICS.</li> </ul>
October	10/3/18	10/12/18	<ul style="list-style-type: none"> <li>-ICS <b>approves</b> fall load forecast.</li> <li>-NYISO and TOs report preliminary data base quality assurance review.</li> <li>-ICS accepts preliminary data base quality assurance review.</li> <li>-ICS reviews and approves preliminary sensitivity results.</li> <li>-EC reviews preliminary sensitivity results.</li> <li>-ICS <b>approves</b> Final 2019 IRM Base Case Assumption Matrix.</li> <li>-EC <b>approves</b> Final 2019 IRM Base Case Assumption Matrix.</li> </ul>
	ICS/NYISO		<ul style="list-style-type: none"> <li>-NYISO completes sensitivity testing.</li> <li>-ICS conducts base case study and determines final base case including tan 45 analysis and IRM.</li> <li>-ICS prepares initial draft IRM report, including Tables 6-1 and 7-1.</li> <li>-NYISO delivers final base case input files to GE for incremental review and masking.</li> <li>-GE provides masked data base to the NYISO.</li> </ul>
November	10/30/18	11/8/18	<ul style="list-style-type: none"> <li>-NYISO provides masked database for final TO review.</li> <li>-NYISO reports any changes based on final base case review.</li> <li>-ICS reviews and provides comments on first draft IRM report.</li> <li>-EC reviews and provides comments on second draft IRM report.</li> <li>-ICS <b>approves</b> final 2019 IRM base case.</li> <li>-EC <b>approves</b> final 2019 IRM base case.</li> <li>-ICS identifies the need for a special sensitivity case.</li> </ul>
	11/14/18*		<ul style="list-style-type: none"> <li>-ICS accepts final base case quality assurance review.</li> <li>-NYISO completes special sensitivity case Tan 45 analysis.</li> <li>-ICS determines if special sensitivity case should become final base case, and obtains EC approval.</li> </ul>
	ICS/NYISO		-ICS prepares final draft IRM report (ICS).
December	11/27/18	12/7/18	<ul style="list-style-type: none"> <li>-ICS <b>approves</b> final draft 2019 IRM report.</li> <li>-EC <b>approves</b> 2019 IRM report, Final 2019 IRM, and IRM resolution.</li> </ul>
	ICS/EC/NYISO		<ul style="list-style-type: none"> <li>-Issue 2018 IRM letter to NYISO CEO (EC).</li> <li>-IRM Filing to FERC if required (EC).</li> <li>-Prepare LCR realignment study if Final 2018 IRM is less than base case IRM (NYISO).</li> <li>-Special conference call around 12/15/18, if needed, to approve LCR realignment study (ICS).*</li> </ul>

\*Conference call – date shown is preliminary.