

## 2013 IRM STUDY PROCESS MILESTONES

ICS/EC Meeting Date*/Month	2013 IRM Study Process**
<b>February 1</b>	-Prepare initial 2013 IRM Study Assumptions& Modeling Enhancements Matrix (ICS/NYISO). -Identify potential non-standard modeling enhancements, e.g., APA/EFORd model (ICS/NYISO).
February	-Continue to prepare base case assumptions and development of potential non-standard modeling enhancements (NYISO). -NYISO & TPAS begin preparation of transmission topology.
<b>March 1</b>	-Update 2013 IRM Study Assumptions& Modeling Enhancements Matrix (ICS/NYISO).
March	-NYISO staff & TPAS continue preparation of transmission topology. -Continue to prepare base case assumptions and development of non-standard modeling enhancements (NYISO). -Begin preparation of white papers on potential non-standard modeling enhancements (NYISO/ICS).
<b>April 1</b>	-Continue to update 2013 IRM Study Assumptions & Modeling Enhancement Matrix (ICS/NYISO).
April	-NYISO staff & TPAS continue preparation of transmission topology. -NYISO staff reviews GADS data. -NYISO staff updates new MARS software as necessary. -Continue to prepare base case assumptions and modeling enhancements (NYISO). -NYISO begins base case build-up. -Complete development of non-standard model(s) (NYISO). -Complete non-standard model white paper(s) (NYISO).
<b>May 1</b>	-Continue to update 2013 IRM Study Assumptions & Modeling Enhancement Matrix (ICS/NYISO). -Review and approve non-standard model white paper(s) (ICS). -If applicable, ICS approves use of new MARS version.
May	-NYISO staff & TPAS complete preparation of transmission topology. -Continue to prepare base case assumptions and modeling enhancements (NYISO).
<b>June 1</b>	-Based on non-standard model white paper(s), identify those non-standard modeling enhancements which have been developed sufficiently for potential 2013 Study use, and those that need an additional year before being fully implemented (ICS). -Continue to update 2013 IRM Study Assumptions& Modeling Enhancement Matrix (ICS/NYISO). -NYISO delivers transmission topology to ICS.
June	-Calculate IRM impacts of potential non-standard modeling enhancements using 2012 base case assumptions and IRM sensitivity test methodology (NYISO). Results to be included in Assumptions Matrix. -MARS benchmarking as necessary (NYISO). -Continue to prepare base case assumptions (NYISO). -ICS reviews transmission topology and modifies as required. -NYISO begins master input file preparation. -NYISO & GE conduct preliminary data quality assurance reviews.
<b>July 1</b>	-Final 2012 IRM Study Assumptions & Modeling Enhancement Matrix, including new non-standard models, approved by ICS and EC.
July	-NYISO completes initial master input file preparation. -NYISO performs parametric studies. -NYISO & GE conduct data quality assurance reviews. -Masked/encrypted input data provided to TOs for data quality assurance review (NYISO).
<b>August 1</b>	
August	-NYISO, GE and TOs conduct data quality assurance reviews. -NYISO conducts preliminary base case study. -Tan 45 analysis calculates preliminary base case IRM (ICS/NYISO). -ICS prepares list of proposed sensitivity cases. -Final master file completed (NYISO). -NYISO begins to share MARS output files with ICS members for review.

ICS/EC Meeting Date*/Month	2013 IRM Study Process**
<b>September 1</b>	<ul style="list-style-type: none"> <li>-ICS approves preliminary base case IRM.</li> <li>-EC reviews preliminary base case IRM.</li> <li>-EC approves list of sensitivity cases.</li> </ul>
September	<ul style="list-style-type: none"> <li>-NYISO, GE and TOs complete data quality assurance reviews.</li> <li>-NYISO begins sensitivity testing based on preliminary base case.</li> <li>-NYISO staff/LFWG prepares Fall load forecast.</li> </ul>
<b>October 1</b>	<ul style="list-style-type: none"> <li>-Fall load forecast delivered to ICS (NYISO).</li> <li>-ICS reviews and approves preliminary sensitivity results.</li> <li>-EC reviews preliminary sensitivity results.</li> </ul>
October	<ul style="list-style-type: none"> <li>-Complete sensitivity testing and prepare Table 2 (ICS/NYISO).</li> <li>-ICS conducts base case study.</li> <li>-Tan 45 analysis calculates final base case IRM (ICS/NYISO).</li> <li>-ICS prepares preliminary draft IRM report.</li> <li>-Table 1 prepared (adjust preliminary base case results as necessary) (ICS).</li> <li>-NYISO shares output MARS files with ICS members for their review.</li> </ul>
<b>November 1</b>	<ul style="list-style-type: none"> <li>-ICS approves Table 1 (parametric 2012 vs. 2013 IRM impact comparison) and Table 2 (sensitivity cases), and provides to the EC for review.</li> <li>-ICS agrees preliminary draft IRM report can go the EC for review.</li> <li>-ICS approves final base case IRM.</li> <li>-EC approves final base case IRM and sensitivity case results.</li> <li>-EC reviews preliminary draft IRM report.</li> </ul>
November	<ul style="list-style-type: none"> <li>-NYISO completes any remaining uncompleted studies.</li> <li>-ICS reviews all study results.</li> <li>-Additional NYISO, GE and TO data quality assurance reviews as needed.</li> <li>-ICS prepares final draft IRM report.</li> </ul>
<b>December 1</b>	<ul style="list-style-type: none"> <li>-ICS agrees final draft IRM report can go to the EC for approval.</li> <li>-EC approves IRM report, Final IRM and IRM resolution.</li> </ul>
December	<ul style="list-style-type: none"> <li>-Issue 2013 IRM letter to NYISO CEO (EC).</li> <li>-Issue press release (EC).</li> <li>-IRM Filing to FERC if required (EC).</li> </ul>

\* Approximate or nominal date of ICS and EC meetings.