Summary of Modeling WG Call
Oct. 15, 2012

Official/designated WG members in attendance: Schuerger
T. Black, E. Hogan,B. Pauley, B. Fagan, F. Flyg,t, H. Choueiki, Nehrozoglu, J. Buechler, B. Tsuchida, W. Burns, M. Sharif, D. Whiteley, S. Hadley, M. Volpe, R. Luciani, R. Johnson, R. Kind, S. Gaw, D. Gotham, M. Goggin, R. Thilly

NOTE: To accommodate the rapid pace of the MWG meetings during Oct. and Nov. 2012, these summaries will focus on the questions answered during the meeting and next steps. Details of modeling discussed will be captured in the production cost results provided by CRA and the summary of proposed Sensitivities, which will be updated regularly on the Phase II – MWG page (eipconline.com)

1. Overview of Task 9 - Production cost analysis (David Whiteley)
   - Input data has been corrected and aligned as the Scenarios have been developed.
   - A few corrections remain but do not affect results significantly.
     - IESO interfact ratings should have been bidirectional
     - South Carolina transmission line was incorrectly characterized

2. Comparison of NEEM and MAPS results, Stan Hadley, ORNL (See ppt)
   - Indications that S1 MAPS flows from MISO to PJM are lower than NEEM; CRA suggested this might be explained by the HVDC direct interconnection in MAPS which might be offsetting the flows from SPP to PJM.

3. Sensitivities Recommendations (See SensitivitiesTable for more detail)
   - S3 High Load: Propose 8% increase in demand is large enough to see changes in generation and DR dispatch and emission; 10% seems like an unrealistically high jump in demand that would not be anticipated by PAs.
   - S1 High Load: TOs propose 5% increase and argues that S1 and S3 should be the same; Agreed to run S1 first at 8% to determine if the model will solve. If not CRA will try a lower 5% load increase.
   - S3 High Natural Gas Price: agreed to plus 25% change
   - S1 Increased Spin and Commitment Flexibility – EH reported that she had not been able to get the characteristics of the latest GE NGCC as basis of changes in flexibility; Agreed that the best option is to eliminate the commitment pool restrictions
   - S1 Flowgate changes: NGOs proposed relaxation of approximately 25 flowgates where congestion is the greatest
   - S1 Wind curtailment: TOs recommended scaling back the wind capacity in MISO-W; such 78,000 MW scaled to 38,000 MW, no agreement on the best approach; participant noted that this may create a shortage of generation during wind generation and will bring in more DR and CCs.
   - S3 Low Gas: 25% reduction in price proposed, EISPC representatives suggested that this sensitivity won't show much (current 2030 price is $6.25/mmbtu)

4. **ACTION ITEMS:**
   - High and Low Gas sensitivities decided
   - Keystone will provide table of updated Sensitivities

-submitted by C. Morris, Keystone Center