

Modeling WG Call #9
Wednesday, Nov. 17, 3 PM EST
Summary

Official/designated WG members in attendance: Erin Hogan, Steve Chui, Paul McCurley, Tyler Ruthven (alternate for Mary Ellen Paravalos), Wil Burns, Samir Succar, Terry Black (alternate for Matt Schuerger). From DOE/ Labs: David Meyer, Adriana Kocornik-Mina, Stan Hadley (ORNL). Facilitator: Catherine Morris (Keystone).

DOE Point of contact:

- Stan Hadley, ORNL, is working on behalf of DOE with EISPC on data inputs; he will also serve as the point of contact for MWG and subgroups. Erin will circulate his contact information.
- Subgroups need to prioritize gaps in the data and the need for alternatives to CRA default data so Stan can determine what alternative data is available.

Canadian data:

- Steve Chui will collect from Ontario system; in what form should he pass on the updates? Adriana suggests DOE will work with National Energy Board, Jon Norman, Canadian Electricity Association to see what data is available and direct the MWG to the right sources or work directly with the utilities in Canada.
- David Meyer will be talking to Dave Whiteley about the representation of Canada in the CRA model.

Members of subgroups:

- Revised subgroups: Adjusted to eliminate EIPC representatives as official members. Definition of regions; will expand with SPWG members
- Core member volunteers:
 - Paul McCurley & ME Paravalos – Environmental data and regions/ transmission
 - King Look - Fuels
 - Steve Chui – Canada
 - Samir Succar – New Generation and transmission adders
 - Erin Hogan – Discount, inflation rate and other economic assumptions (MRN)
 - King Look and Samir Succar– EE/DR

Criteria for Selecting Data Sources

- Will be discussed further next week but should serve as guidelines for subgroups in the meantime:
 - Recent
 - Relevant
 - Public
 - Unbiased

SSC Chair Request for guidance of Futures Timing

- SPWG put forward the following proposal: a) that all the futures are defined up-front; b) that one case moves forward first; c) that the first case is one of EISPC's preferred 4 Futures.

- MWG members agreed that one case should move forward in January. Should give some more thought to how to group or sequence the subsequent Futures for handing off to CRA.
- No recommendation on which Future should go first until EISPC preferences are known.

Transmission approach in NEEM

- Agreement that a solution is needed and EIPC's approach is a reasonable start
- Several participants suggested that the proposed EIPC approach is an unsatisfying way to resolve this problem because you don't know if the transmission transfer changes are optimal; difficult to evaluate subsequent sensitivities layered on top of changed case
- An alternative approach: without adequate transmission between regions, nothing will be built in a bubble except what is needed in that bubble. When you change the transmission constraints, you may just shift the congestion to another region. Need to do multiple iterations to really solve it. Alternative – start with an unconstrained system and allow model to solve. Since you don't want to build that much capacity, then look at “flow duration” curve (hourly) to determine how much transmission would be reasonable to add. Put the reasonable transmission capacity back in and run the model again. (Chris Hagman)
- NOTE - Shadow price tells you how much money you could save if you could transfer one more MW; not how much power “wants” to flow.
- Approach needs further discussion with EIPC

ACTION ITEMS

- Stan Hadley (ORNL) will be the DOE point of contact for data subgroups interested in alternative data and research; Erin will circulate Stan's contact information
- CRA Information requests:
 - Need information on how the CRA NEEM regions correlate to the PA regions; if this is underway by the RUWG and CRA, MWG Region subgroup would like the information to see what additional work may need to be done.
 - Also asked at workshop for Ball and Stick / Bubble & Pipe representation of NEEM; CRA agreed; pass on reminder to CRA through John Buechler
 - How many Futures can CRA run at once? Will they need all the sensitivities defined up front?
- Samir's suggested criteria will be circulated and discussed in more detail next week
- Nov. 22nd SSC call:
 - Erin will report that the MWG has just begun the evaluation of the transmission approach in NEEM and WG prefers 1 Future to be handed off to CRA in Jan.
- Joint SPWG and MWG planned for Dec. 14-15th following the SSC meeting; Call-in option will be available.
- Data Subgroup members should send contact information to Mpinard@keystone.org if you want to be included in communication among data subgroups (including unofficial members)
- If no objections, MWG meetings will be an hour and a half each Wed. (3-4:30)