

### **General Charge for Work Groups Established by the SSC:**

1. Where consensus is not reached in connection with a Task or Recommendation, the Work Group should clearly and concisely report to the SSC on the differences that could not be resolved.
2. All Work Groups, and other such groups established by the SSC, should communicate and coordinate regularly and fully with the other Work Groups to enable each Work Group to accomplish its tasks effectively. The Keystone Center and the Chair and Vice-Chair should facilitate this coordination.
3. Each Work Group should keep the SSC fully informed on a regular basis of the progress of its work and of any questions and issues that arise for which SSC input or direction is needed. Each Work Group should also document its work as it progresses.

### **Scenario Planning Work Group (SPWG)**

#### **Purpose**

- Recommend to the EIPC Stakeholder Steering Committee (SSC) a set of diverse macroeconomic futures for selection, and if so directed by the SSC, make recommendations as to the eight futures to be employed and up to nine sensitivities to be used within each.
- Fully develop the eight macroeconomic futures and the sensitivities selected by the SSC, so that they meet CRA's needs.
- Recommend to the SSC which three scenarios should be assessed in reliability studies.

#### **Work Group Tasks**

1. The portfolio of eight macroeconomic futures will represent a wide range of forecasts.
2. The portfolio will consider factors such as state and federal public policy objectives, reliability mandates, and economic considerations.
3. The portfolio of macroeconomic resource futures will be recommended to SSC as the consensus position of the working group. If the working group is unable to reach consensus on eight recommended macroeconomic futures, a range of opinions or additional futures may be presented.
4. The SPWG will inform and receive input from the SSC throughout the process such that the SSC endorses the criteria for and the portfolio of futures and scenarios proposed by the WG. Or alternatively, will find that the SPWG has helped the SSC to substantially narrow the range of issues to be debated by the SSC in sufficient time to meet the overall EIPC schedule.
5. The SPWG and EISPC will fully coordinate and collaborate

## **Roll-up Work Group (RUWG)**

### **Purpose**

- The RUWG is dedicated to liaising with and providing feedback to EIPC as EIPC develops the integration of the existing regional transmission plans and addresses potential enhancements identified through a gap analysis of the EI-wide 10-year Roll-up Case. These activities are identified as Task 2 in the Statement of Project Objectives; however, the group expects that its charge will extend to other tasks if the Roll-up plan affects either the economics or reliability of macroeconomic futures or transmission build-out scenarios.
- The RUWG will establish a close interface and coordination with the Scenario Planning Work Group (SPWG) so that the conclusions and results of the Roll-up study effort are understood in connection with futures development and scenarios planning.

### **Work Group Tasks**

1. Review and comment on the Steady State Modeling Load Flow Working Group Procedure Manual (the Study Guide) for assumptions that have critical implications for the 10-year Roll-up Case.
2. Review and comment on the different assumptions used by the Planning Authorities (PA) to develop their transmission models. Assess compatibility among the regional plans, which are developed to meet all current state, provincial, and federal regulatory and reliability requirements, and which will identify potential opportunities to enhance the regional plans across regions.
3. Review and comment on the judgments and key assumptions that were applied in developing the Roll-up Case with particular focus on any enhancements that were made.
  - Potential transmission conflicts/opportunities among regional plans; e.g., gap analysis.
  - Transmission options that were selected to address reliability impacts associated with potential conflicts among regional plans.
  - Selection of flow gates.
4. Report out to the SSC on concerns or issues raised from examination of the Study Guide and the Roll-up Case Report.
5. In consultation with the SPWG, prepare a report and recommendations on criteria for developing a baseline infrastructure that reflects reasonable certainty for use in the macroeconomic futures and transmission build-out scenarios.
6. Upon approval of the SSC of the criteria, recommend the baseline infrastructure to be used.
7. Schedule a working session with the SPWG to see that the lessons learned from the Roll-up study effort are factored into the macroeconomic futures and transmission build-out scenarios that rest on a “baseline infrastructure” in an appropriate and workable manner.

## **Modeling Work Group (MWG)**

### **Purpose**

- Develop a better understanding of the capabilities, inputs and assumptions, and outputs of the CRA MRN/NEEM (macroeconomic) model that will be used to evaluate the 8 Macroeconomic Futures and sensitivities and the GE MAPS (production cost) model that will be used to analyze the Roll-Up Plan and the final 3 Transmission Build out Scenarios.
  - Identify concerns or issues, seek answers, make recommendations and report to EIPC Stakeholder Steering Committee (SSC) regarding the MRN/NEEM and GE MAPS modeling to be performed.
- Identify with CRA the matrix of specific required inputs for MRN/NEEM to be provided by SSC and advise the SSC and Scenario Planning Work Group (SPWG) on model inputs, outputs, processes and limitations to assist them in the development of the 8 Macroeconomic Futures
  - Coordinate with the Roll-Up Work Group (RUWG) to identify any issues that could impact model inputs, assumptions, modeling, or results.
- In coordination with and within the parameters set by the SPWG, make recommendations to the SSC on the values for the inputs and assumptions to be used for modeling the 8 Macroeconomic Futures.
  - Identify as appropriate data or analyses needs
  - Work with resources (e.g. DOE / National Laboratories)
  - Collaborate with CRA to ensure model consistency
- Review outputs and results of MRN/NEEM and GE MAPS modeling and provide a report on the interpretations to SSC

### **Work Group Tasks**

1. The MWG will work to achieve the purpose of the MWG and in sufficient time to meet the overall EIPC schedule.
2. The inputs/assumptions will be recommended to SSC as the consensus position of the working group. If the working group is unable to reach consensus, a range of views will be presented.
3. The MWG will inform and receive input from the SSC throughout the process such that the SSC endorses the inputs and assumptions, or alternatively, will find that the MWG has helped the SSC to substantially narrow the range of issues to be debated by SSC in sufficient time to meet the overall EIPC schedule.