EMF 34 First Round Core Scenarios-Initially Focusing on Energy Trade		
Scenario	Details	Notes
1. Reference	Modeler's own choice of Reference Case • Outputs to be reported in accordance with defined sets of units and unit conversion rules Note: Please report variable values for 2015 regardless of whether these are treated as historical data or projections in your model. This will help facilitate comparisons	Use common units as well as agreed upon unit conversion rules to compare results across models (see reporting template for additional guideance)
2. Low Oil/Gas price	Brent and Henry Hub used as markers for oil and natural gas prices Low oil and gas price case from AEO2017 Delta (%) calculated based on AEO2017 Reference and Low Oil/Gas price case Delta (%) applied to Modeler's Reference	
3. High N.A. Macro Growth Case	Canada, Mexico and U.S. grow at higher rates than in the Modeler's Reference Propose to increase growth each year by 20% over Modeler's Reference from 2017 to end of horizon 20% change applied to annual average growth in GDP As example, if Canada grows at 3% over the forecast horizon (2017-2050), in this case the growth rate is 3.6%. The 20% increase in growth rates vis a vis Modeler's Reference remains the same for all three countries	Note: The average annual growth rate over the forecast period is increased by 20%. It rests with individual modelers to determine how this is achieved – year by year or averaged over the whole period. The percent change is not applied to cumulative growth rates. The same country can grow at different rates across models – focus on the % change rather than absolute growth rates

4. High Canada Macro Growth	Only Canada's growth rate is increased by 20% vis a vis Modeler's Reference U.S. and Mexico growth held at Reference case levels	
5. High U.S. Macro Growth	• Only U.S. macro growth rate is increased by 20% vis a vis Modeler's Reference • Canada and Mexico growth held at Reference case levels	
6. High Mexico Macro Growth	• Only Mexico macro growth rate is increased by 20% vis a vis Modeler's Reference • Canada and U.S. growth held at Reference case levels	
7. Modeler's Choice Scenario – (Optional)	Alternative/possible future potential study scenarios around any sensitivities or policy directions of interest to you	Discussion of these perspectives to start before and continue after the next meeting Future work to be informed by Round #1 experience as well as other work currently underway