MTEP19 Futures Development (Item 03a). (MTEPFutures@misoenergy.org)

To assist in the feedback solicitation, MISO is posing the following questions/requests:

1. Would the MTEP18 Futures, with updated base data, continue to reasonably bookend uncertainty?
   - If not, what in the policy or electric utility industry landscape has changed enough to warrant redevelopment of the MTEP Futures?

2. Does adopting equal weights for each of the future warrant any updates to the Future definitions?
   - If so, what changes need to be made per future that maintain the breadth of the Futures?

The OMS Transmission Planning Work Group offers the following comments. The comments are a collection of staff views and do not represent the view of any Commissioner and/or Commission.

The comments only address the questions posed concerning definitions.

1 The MTEP18 Future definitions are adequate for bookends and uncertainty. However, the detailed metrics of the attributes need to be reviewed based on the new policy of going to equal probability of an equal 25% for each scenario. For instance, the Accelerated Fleet Change was stakeholder voted at 20% and the Continued Fleet Change was voted at 32%. There were rounded to nearest 5% which resulted in AFC to be 20% and the CFC to be 30%. To push them both to 25% does require some review of all the metrics prices and especially on the target levels of renewable energy and emissions in order to have an equal probability outcome. We agree one should over not imply precision by averaging the vote to one percent.

We agree the four futures should be stable and have multiple years of MTEP usage. The multiple years use matches the business/economic cycles and federal agency policy development.

It would be helpful have the full table of variable metrics with their low, medium, and high numeric values illustrated and suggested level for each future.

2 Yes, by forcing the futures to have an equal probability of outcome, the future definitions need to be reviewed for driver assumptions, indirect outcomes, and detail metric values of the variables.