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Subject: ORA Expected Scenarios for Phase 1A LTPP

Dear parties to R.13-12-010,

ORA and Synapse are anticipating execution of a total of nine sensitivity runs, including four runs set aside to test the “step 1” parameters, as summarized in the attached table. ORA plans to use the CAISO trajectory scenario input file (Plexos database) as the starting point for its analysis, which will use the Plexos platform in a "deterministic" mode. The runs detailed below may change depending on the timing of availability of the final Plexos input dataset from CAISO.

Synapse plans to execute a run to validate the CAISO results and expects to perform additional runs modifying primarily trajectory scenarios and, in one instance, the TPP scenario. Synapse’s planned runs include 1) a demand side modification using the mid-AAEE case coupled with the TPP scenario using a 1-in-10 load, 2) testing the impact of incremental small PV, 3) testing the presence of certain Track 4 resources such as increased retirements of “at risk” non-OTC units and 4) assuming that net exports will be feasible for the CAISO system in 2024.

ORA also expects to model up to four sensitivities of the trajectory scenario to examine the level and pattern of additional operating reserve requirements for load following and regulation. This will allow us to view the impacts of different quantities and/or seasonal patterns of reserves set aside for increased levels of operational flexibility need. This will involve varying the Plexos input parameters resulting from the "Step 1" process. ORA and Synapse are still discussing the details around how such modifications can best be made and welcome input from the LTPP Advisory Group on the most effective method of creating "sensitivities" around the trajectory scenario to test this type of input variation using deterministic modeling.

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