Attachment A – Clean Tariff

Tariff Amendment – E-Tag Submission Timeline Clarification

California Independent System Operator Corporation

June 26, 2024
30.5.7 E-Tag Rules and Treatment of Intertie Schedules

In addition to complying with all generally applicable E-Tagging requirements, Scheduling Coordinators receiving a HASP Block Intertie Schedule or HASP Advisory Schedule must submit an E-Tag (or set of E-Tags) in support of the HASP Schedule that passes CAISO E-Tag validation procedures. Such Scheduling Coordinators are also subject to the FMM Schedule consequences specified in this Section 30.5.7.

30.5.7.1 FMM E-Tag Submission Timing Cut-Offs

For the purposes of this section 30.5.7, the CAISO enforces the following FMM E-Tag submission timing cut-offs for Intertie Bids:

(a) Forty minutes prior to the Trading Hour (T-40) for the first FMM interval of the Trading Hour.

(b) Twenty-five minutes prior to the Trading Hour (T-25) for the second FMM interval of the Trading Hour.

(c) Twenty minutes prior to the Trading Hour (T-20) for the third and fourth FMM interval of the Trading Hour.

30.5.7.2 Upper Limit on FMM Schedules

The RTUC does not award FMM Schedules that exceed the lowest of the:

1. Quantity of the HASP Block Intertie Schedule or HASP Advisory Schedule ADS recognizes the Scheduling Coordinator as accepting for the period covered by the FMM interval.

2. Transmission profile of the E-Tag at the FMM E-Tag submission timing cut-off for the FMM interval.

3. Energy profile of the E-Tag at the FMM E-Tag submission timing cut-off for the FMM interval.

30.5.7.3 Intra-Hour Schedule Changes for HASP Advisory Schedules

The FMM may provide an intra-hour Schedule change to a resource with a HASP Advisory Schedule. The MW level to which the FMM can provide such a change above the HASP Advisory Schedule is limited by the quantity of the transmission profile submitted by the FMM E-Tag submission timing cut-off for the relevant FMM interval.

The CAISO may increment or decrement the Energy profile on behalf of the Scheduling Coordinator to correspond to the intra-hour redispatch. Absent extenuating circumstances, the CAISO automatically
makes such updates. In performing this service for a Scheduling Coordinator, the CAISO does not assume any responsibility for compliance with any E-Tag requirements or obligations to which the Scheduling Coordinator is subject. The Scheduling Coordinator is responsible for reviewing any potential updates to the Energy profile to review the updates and ensure they appropriately reflect the FMM schedule. The changed energy profile will apply for the balance of the operating hour unless it is subsequently changed by a further updated energy profile.

30.5.7.4 CAISO Adjustments to Energy Profile for Reliability

The CAISO may modify the Energy profile for any Intertie Schedule due to reliability-related curtailments.
Attachment B – Marked Tariff

Tariff Amendment – E-Tag Submission Timeline Clarification

California Independent System Operator Corporation

June 26, 2024
30.5.7 E-Tag Rules and Treatment of Intertie Schedules

In addition to complying with all generally applicable E-Tagging requirements, Scheduling Coordinators receiving a HASP Block Intertie Schedule or HASP Advisory Schedule must submit their E-Tags (or set of E-Tags) in support of the HASP Schedule that passes CAISO E-Tag validation procedures. Such Scheduling Coordinators are also subject to the FMM Schedule consequences consistent with the requirements specified in this Section 30.5.7. If a Scheduling Coordinator receives an intra-hour Schedule change, then the Scheduling Coordinator must, by twenty minutes before the start of the FMM interval to which the Schedule change applies, ensure that an updated energy profile reflects the change. Absent extenuating circumstances, the CAISO automatically updates Energy profiles on E-Tags for Energy Schedules that change from HASP to the FMM within a Trading Hour. In performing this service for a Scheduling Coordinator, the CAISO does not assume any responsibility for compliance with any E-Tag requirements or obligations to which the Scheduling Coordinator is subject. The changed energy profile will apply for the balance of the operating hour unless it is subsequently changed by a further updated energy profile.

30.5.7.1 FMM E-Tag Submission Timing Cut-Offs

For the purposes of this section 30.5.7, the CAISO enforces the following FMM E-Tag submission timing cut-offs for Intertie Bids:

(a) Forty minutes prior to the Trading Hour (T-40) for the first FMM interval of the Trading Hour.

(b) Twenty-five minutes prior to the Trading Hour (T-25) for the second FMM interval of the Trading Hour.

(c) Twenty minutes prior to the Trading Hour (T-20) for the third and fourth FMM interval of the Trading Hour.

By forty minutes prior to the applicable Trading Hour, the Scheduling Coordinator must submit an E-Tag (or set of E-Tags) that passes CAISO E-Tag validation procedures and that supports the Self-Schedule Hourly Block. If the Scheduling Coordinator fails to submit a valid E-Tag by forty minutes prior to the applicable Trading Hour, then the CAISO will set the MW quantity of the FMM Schedule associated with the Self-Schedule Hourly Block to zero for each FMM interval of the hour.

The transmission profile of the E-Tag at forty minutes prior to the applicable Trading Hour must be equal...
to the Self-Schedule Hourly Block. If the Scheduling Coordinator has a transmission profile less than its advisory Energy schedule, then the CAISO will limit the schedule for Energy in the FMM so that it does not exceed the quantity of the transmission profile.

The energy profile of the E-Tag at forty minutes prior to the applicable Trading Hour need not equal the Self-Schedule Hourly Block and the Scheduling Coordinator may revise the Energy profile up to twenty minutes prior to the applicable Trading Hour. At twenty minutes prior to the applicable Trading Hour, the quantity of the Energy profile must be equal to the lower of: (a) the transmission profile of the E-Tag at forty minutes prior to the applicable Trading Hour; or (b) the Self-Schedule Hourly Block. A Scheduling Coordinator is exposed to the Under/Over Delivery Charge if the Energy profile at twenty minutes prior to the applicable Trading Hours is not equal to the Self-Schedule Hourly Block.

The CAISO may modify the Energy profile due to Reliability related curtailments.

30.5.7.2 Upper Limit on FMM SchedulesVariable Energy Resource Self-Schedule

The RTUC does not award FMM Schedules that exceed the lowest of the:

1. Quantity of the HASP Block Intertie Schedule or HASP Advisory Schedule ADS recognizes the Scheduling Coordinator as accepting for the period covered by the FMM interval.

2. Transmission profile of the E-Tag at the FMM E-Tag submission timing cut-off for the FMM interval.

3. Energy profile of the E-Tag at the FMM E-Tag submission timing cut-off for the FMM interval.

By forty minutes prior to the applicable Trading Hour, the Scheduling Coordinator must submit an E-Tag (or set of E-Tags) that passes CAISO E-Tag validation procedures and that supports the Variable Energy Resource Self-Schedule. If the Scheduling Coordinator fails to submit a valid E-Tag by forty minutes prior to the applicable Trading Hour, then the CAISO will set the MW quantity of the FMM Schedule associated with the Variable Energy Resource Self-Schedule to zero for each FMM interval of the hour.

The transmission profile of the E-Tag at forty minutes prior to the applicable Trading Hour must be equal to the Variable Energy Resource Self-Schedule. If the Scheduling Coordinator has a transmission profile less than its advisory Energy schedule, then the CAISO will limit the schedule for Energy in the FMM so that it does not exceed the quantity of the transmission profile.

The energy profile of the E-Tag at forty minutes prior to the applicable Trading Hour need not equal the
Variable Energy Resource Self-Schedule and the Scheduling Coordinator may revise the Energy profile up to twenty minutes prior to the applicable Trading Hour. At twenty minutes prior to the applicable Trading Hour, the quantity of the Energy profile must be equal to the lower of: (a) the transmission profile of the E-Tag at forty minutes prior to the applicable Trading Hour: or (b) the Variable Energy Resource Self-Schedule. A Scheduling Coordinator is exposed to the Under/Over Delivery Charge if the Energy profile at twenty minutes prior to the applicable Trading Hour is not equal to the Variable Energy Resource Self-Schedule.

The CAISO may modify the Energy profile due to Reliability related curtailments.

30.5.7.3 Intra-Hour Schedule Changes for HASP Advisory Schedules

Economic Hourly Block Bid

The FMM may provide an intra-hour Schedule change to a resource with a HASP Advisory Schedule. The MW level to which the FMM can provide such a change above the HASP Advisory Schedule is limited by the quantity of the transmission profile submitted by the FMM E-Tag submission timing cut-off for the relevant FMM interval.

The CAISO may increment or decrement the Energy profile on behalf of the Scheduling Coordinator to correspond to the intra-hour redispatch. Absent extenuating circumstances, the CAISO automatically makes such updates. **In performing this service for a Scheduling Coordinator, the CAISO does not assume any responsibility for compliance with any E-Tag requirements or obligations to which the Scheduling Coordinator is subject.** The Scheduling Coordinator is responsible for reviewing any potential updates to the Energy profile to review the updates and ensure they appropriately reflect the FMM schedule. The changed energy profile will apply for the balance of the operating hour unless it is subsequently changed by a further updated energy profile.

By forty minutes prior to the applicable Trading Hour, the Scheduling Coordinator must submit an E-Tag (or set of E-Tags) that passes CAISO E-Tag validation procedures and that supports the Economic Hourly Block Bid. If the Scheduling Coordinator fails to submit a valid E-Tag by forty minutes prior to the applicable Trading Hour, then the CAISO will set the MW quantity of the FMM Schedule associated with the Economic Hourly Block Bid to zero for each FMM interval of the hour.

The transmission profile of the E-Tag at forty minutes prior to the applicable Trading Hour must be equal
to the Economic Hourly Block Bid. If the Scheduling Coordinator has a transmission profile less than its advisory Energy schedule, then the CAISO will limit the schedule for Energy in the FMM so that it does not exceed the quantity of the transmission profile.

The energy profile of the E-Tag at forty minutes prior to the applicable Trading Hour need not equal the Economic Hourly Block Bid and the Scheduling Coordinator may revise the Energy profile up to twenty minutes prior to the applicable Trading Hour. At twenty minutes prior to the applicable Trading Hour, the quantity of the Energy profile must be equal to the lower of: (a) the transmission profile of the E-Tag at forty minutes prior to the applicable Trading Hour; or (b) the quantity of the Economic Hourly Block Bid. A Scheduling Coordinator is exposed to the Under/Over Delivery Charge if the Energy profile at twenty minutes prior to the applicable Trading Hour is not equal to the Economic Hourly Block Bid.

The CAISO may modify the Energy profile due to Reliability-related curtailments.

30.5.7.4 CAISO Adjustments to Energy Profile for Reliability

Economic Hourly Block Bid with Intra-Hour Option

The CAISO may modify the Energy profile for any Intertie Schedule due to Reliability-related curtailments.

By forty minutes prior to the applicable Trading Hour, the Scheduling Coordinator must submit an E-Tag (or set of E-Tags) that passes CAISO E-Tag validation procedures and that supports the Economic Hourly Block Bid with Intra-Hour Option. If the Scheduling Coordinator fails to submit a valid E-Tag by forty minutes prior to the applicable Trading Hour, then the CAISO will set the MW quantity of the FMM Schedule associated with the Economic Hourly Block Bid with Intra-Hour Option to zero for each FMM interval of the hour.

The transmission profile of the E-Tag at forty minutes prior to the applicable Trading Hour must be equal to the Economic Hourly Block Bid with Intra-Hour Option. If the Scheduling Coordinator has a transmission profile less than its advisory Energy schedule, then the CAISO will limit the schedule for Energy in the FMM so that it does not exceed the quantity of the transmission profile.

The energy profile of the E-Tag at forty minutes prior to the applicable Trading Hour need not equal the Economic Hourly Block Bid with Intra-Hour Option and the Scheduling Coordinator may revise the Energy profile up to twenty minutes prior to the applicable Trading Hour. At twenty minutes prior to the applicable
Trading Hour, the quantity of the Energy profile must be equal to the lower of: (a) the transmission profile of the E-Tag at forty minutes prior to the applicable Trading Hour; or (b) the quantity of the Economic Hourly Block Bid with Intra-Hour Option. A Scheduling Coordinator is exposed to the Under/Over Delivery Charge if the Energy profile at twenty minutes prior to the applicable Trading Hour is not equal to the Economic Hourly Block Bid with Intra-Hour Option.

The CAISO may modify the Energy profile due to Reliability related curtailments.

In the case of an intra-hour redispatch from the FMM, the CAISO may increment or decrement the Energy profile to correspond to the intra-hour redispatch. The MW level to which the FMM can redispatch an Economic Hourly Block Bid with Intra-Hour Option above its HASP Advisory Schedule is limited by the quantity of the transmission profile submitted by forty minutes prior to the applicable Trading Hour.

30.5.7.5 FMM Economic Bid

By forty minutes prior to the applicable Trading Hour, the Scheduling Coordinator must submit an E-Tag (or set of E-Tags) that passes CAISO E-Tag validation procedures and that supports the FMM Economic Bid. If the Scheduling Coordinator fails to submit a valid E-Tag by forty minutes prior to the applicable Trading Hour, then the CAISO will set the MW quantity of the FMM Schedule associated with the FMM Economic Bid to zero for each FMM interval of the hour.

The transmission profile of the E-Tag at forty minutes prior to the applicable Trading Hour must be greater than or equal to the FMM Economic Bid. If the Scheduling Coordinator has a transmission profile less than its advisory Energy schedule, then the CAISO will limit the schedule for Energy in the FMM so that it does not exceed the quantity of the transmission profile.

The energy profile of the E-Tag at forty minutes prior to the applicable Trading Hour need not equal the FMM Economic Bid and the Scheduling Coordinator may revise the Energy profile up to twenty minutes prior to the applicable Trading Hour. At twenty minutes prior to the applicable Trading Hour, the quantity of the energy profile must be equal to the lower of: (a) the transmission profile of the E-Tag at forty minutes prior to the applicable Trading Hour; or (b) the quantity of the FMM energy schedule for the first FMM interval of the applicable Trading Hour.

The CAISO may modify the Energy profile due to Reliability related curtailments.

Scheduling Coordinators with cleared FMM Economic Bids may update either the transmission profile or
the Energy profile after forty minutes prior to the applicable Trading Hour and twenty minutes prior to the applicable Trading Hour, respectively. A Scheduling Coordinator choosing to update the transmission profile must submit an updated transmission profile at least 40 minutes prior to the applicable FMM interval. A Scheduling Coordinator choosing to update the Energy profile must submit an updated Energy profile at least 20 minutes prior to the applicable FMM interval. Cleared FMM Economic Bids are eligible for Bid Cost Recovery as specified in Section 11.8.