|  |  |  |  |
| --- | --- | --- | --- |
| NPRR Number | [962](http://www.ercot.com/mktrules/issues/NPRR962) | NPRR Title | Publish Approved DC Tie Schedules |
| Date of Decision | October 8, 2019 |
| Action | Approved |
| Timeline | Normal |
| Effective Date | Upon system implementation |
| Priority and Rank Assigned | Priority – 2020; Rank – 2870 |
| Nodal Protocol Sections Requiring Revision  | 3.2.3, System Adequacy Report |
| Related Documents Requiring Revision/Related Revision Requests | None |
| Revision Description | This Nodal Protocol Revision Request (NPRR) requires ERCOT to publish every hour the approved Direct Current Tie (DC Tie) Schedule for the next seven days. |
| Reason for Revision |  Addresses current operational issues. Meets Strategic goals (tied to the [ERCOT Strategic Plan](http://www.ercot.com/content/news/presentations/2013/ERCOT%20Strat%20Plan%20FINAL%20112213.pdf) or directed by the ERCOT Board). Market efficiencies or enhancements Administrative Regulatory requirements Other: (explain)*(please select all that apply)* |
| Business Case | This NPRR provides increased transparency to the market by requiring ERCOT to publish an hourly report with the approved DC Tie Schedule for each 15-minute interval of the next seven days. The net imports and exports of each DC Tie are considered in ERCOT capacity assessments and thus in reliability decisions during Day-Ahead Operations, the Adjustment Period, and the Operating Period. These forward-looking volumes are not currently included in published extracts/forecasts (e.g. the hourly Demand forecast), so Market Participants lack visibility into portions of ERCOT’s Load expectations, particularly in times where ERCOT anticipates significant MW of imports or exports across the DC Ties. Providing up-to-date DC Tie Schedules that have been approved by ERCOT will allow Market Participants to include DC Tie Schedules in their capacity assessments. |
| Credit Work Group Review | ERCOT Credit Staff and the Credit Work Group (Credit WG) have reviewed NPRR962 and do not believe that it requires changes to credit monitoring activity or the calculation of liability. |
| PRS Decision | On 8/15/19, PRS voted to recommend approval of NPRR962 as submitted. There was one abstention from the Independent Power Marketer (IPM) (Tenaska) Market Segment. All Market Segments were present for the vote.On 9/12/19, PRS voted unanimously to endorse and forward to TAC the 8/15/19 PRS Report and the Impact Analysis for NPRR962 with a recommended priority of 2020 and rank of 2870. All Market Segments were present for the vote. |
| Summary of PRS Discussion | On 8/15/19, participants debated the merits of reporting DC Tie Schedules by individual tie rather than in aggregate at a system-wide level and whether or not to refer NPRR962 to WMS.On 9/12/19, participants discussed ERCOT’s DC Tie Schedule approval timeline. |
| TAC Decision | On 9/25/19, TAC voted unanimously to recommend approval of NPRR962 as recommended by PRS in the 9/12/19 PRS Report. All Market Segments were present for the vote. |
| Summary of TAC Discussion | On 9/25/19, there was no discussion. |
| ERCOT Opinion | ERCOT supports approval of NPRR962. |
| Board Discussion | On 10/8/19, the ERCOT Board approved NPRR962 as recommended by TAC in the 9/25/19 TAC Report. |

|  |
| --- |
| Sponsor |
| Name | David Maggio |
| E-mail Address | David.Maggio@ercot.com |
| Company | ERCOT |
| Phone Number | 512-248-6998 |
| Cell Number |  |
| Market Segment | Not Applicable |

|  |
| --- |
| **Market Rules Staff Contact** |
| **Name** | Jordan Troublefield |
| **E-Mail Address** | Jordan.Troublefield@ercot.com |
| **Phone Number** | 512-248-6521 |

|  |
| --- |
| **Comments Received** |
| **Comment Author** | **Comment Summary** |
| None |  |

|  |
| --- |
| Market Rules Notes |

None

|  |
| --- |
| Proposed Protocol Language Revision |

3.2.3 System Adequacy Reports

(1) ERCOT shall publish system adequacy reports to assess the adequacy of Resources and Transmission Facilities to meet the projected Demand. ERCOT shall provide reports on a system-wide basis and by Forecast Zone, where applicable.

(2) ERCOT shall generate and post a “Medium-Term System Adequacy Report” on the MIS Secure Area. ERCOT shall update the report monthly using the latest aggregate Generation Resource capacity and Load Resource capacity. The data will be provided for each week, starting with the second week, of a rolling 36-month period. The Medium-Term System Adequacy Report will provide:

(a) Generation Resource capacity at the time of forecasted weekly peak Demand;

(b) Load Resource capacity at the time of the forecasted weekly peak Demand;

(c) Weekly peak forecast Demand described in Section 3.2.2, Demand Forecasts;

(d) Calculated system reserve, highlighting any deficiency hours, that excludes Load Resource capacity;

(e) Calculated system reserve, highlighting any deficiency hours, that includes Load Resource capacity shown as a reduction in forecast Demand;

(f) Ancillary Service requirements; and

(g) Transmission constraints that have a high probability of being binding in the Security-Constrained Economic Dispatch (SCED) or Day-Ahead Market (DAM) given the forecasted system conditions for each week excluding the effects of any transmission or Resource Outages.

(3) ERCOT shall generate and post short-term adequacy reports on the MIS Public Area. ERCOT shall update these reports hourly following updates to the Seven-Day Load Forecast, except where noted otherwise. The short-term adequacy reports will provide:

(a) For Generation Resources, the available On-Line Resource capacity for each hour, using the COP for the first seven days and considering Resources with a COP Resource Status listed in paragraph (5)(b)(i) of Section 3.9.1, Current Operating Plan (COP) Criteria;

(b) ERCOT shall post a total system-wide capacity of Resource Outages as reflected in the Outage Scheduler that are accepted or approved. The Resource Outage capacity amount shall be based from each Resource’s current Seasonal High Sustained Limit (HSL) and posted each hour for the top of each Operating Hour for the next 168 hours. This posted information will exclude specific Resource information and Outages related to Mothballed or Decommissioned Generation Resources, and will be aggregated on a system-wide basis in three categories:

(i) IRRs with an Outage Scheduler nature of work other than “New Equipment Energization”;

(ii) Other Resources with an Outage Scheduler nature of work other than “New Equipment Energization”; and

(iii) Resources with an Outage Scheduler nature of work “New Equipment Energization”;

(c) For Load Resources, the available capacity for each hour using the COP for the first seven days and considering Resources with a COP Resource Status of ONRGL, ONCLR, or ONRL;

(d) Forecast Demand for each hour described in Section 3.2.2;

(e) Ancillary Service requirements for the Operating Day and subsequent days, updated daily;

(f) Transmission constraints that have a high probability of being binding in SCED or DAM given the forecasted system conditions for each week including the effects of any transmission or Resource Outages. The binding constraints may not be updated every hour;

(g) For Generation Resources, the available Off-Line Resource capacity that can be started for each hour, using the COP for the first seven days and considering Resources with a COP Resource Status of OFF or OFFNS and temporal constraints;

(h) Following each Hourly Reliability Unit Commitment (HRUC), the available On-Line capacity from Generation Resources, based on Real-Time telemetry, for which the COP Resource Status is OFF, OUT, or EMR for all hours within the HRUC Study Period. The available On-Line capacity will consider those Resources with a Real-Time Resource Status listed in paragraph (5)(b)(i) of Section 3.9.1 excluding SHUTDOWN; and

1. For each Direct Current Tie (DC Tie), the sum of any ERCOT-approved DC Tie Schedules for each 15-minute interval for the first seven days. The sum shall be displayed as an absolute value and classified as a net import or net export.