|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NPRR Number | 328 | NPRR Title | Clarifies Duplicative or Vague Requirements Related to Reactive Resources (formerly “Removes ERCOT Requirement for Reactive Resource Planning and the Associated Compliance Process”) | |
| Timeline | Normal | Action | | Recommended Approval |
| Date of Decision | | April 21, 2011 | | |
| Proposed Effective Date | | To be determined. | | |
| Priority and Rank Assigned | | To be determined. | | |
| Nodal Protocol Section Requiring Revision | | 3.15.2, TSP and DSP Responsibilities Related to Voltage Support | | |
| Revision Description | | This Nodal Protocol Revision Request (NPRR) clarifies duplicate or vague requirements related to reactive Resources. | | |
| Reason for Revision | | The language in paragraph (c) of Section 3.15.2 requires the “ERCOT Regional Planning Groups or Transmission Planning” to perform Reactive Power device planning. The Regional Planning Group (RPG) is not the appropriate group for performing this type of analysis. Additionally, “Transmission Planning” is not defined in the Protocols and if “Transmission Planning” is interpreted to mean ERCOT Planning Staff, this is inherently required as part of the Five-Year Transmission Plan that is required by the ERCOT Planning Charter and Procedures (RPG Charter) which was incorporated into the Protocols on April 1, 2011 (via NPRR292, Add Key Provisions of RPG Charter to Protocols) and Planning Guide.  Paragraph (d) of Section 3.15.2 attempts to impose a compliance program, but does not identify the Entity responsible for enforcing the program. Also, changes are proposed to paragraph (a) to clarify the requirement consistent with the intent of the requirement. | | |
| Overall Market Benefit | | Market Participants will not have to prepare for self-certification. | | |
| Overall Market Impact | | None. | | |
| Consumer Impact | | None. | | |
| Credit Impacts | | To be determined. | | |
| Procedural History | | * On 2/23/11, NPRR328 and an Impact Analysis were posted. * On 3/24/11, PRS considered NPRR328. * On 4/4/11, CenterPoint Energy comments were posted. * On 4/12/11, ROS comments were posted. * On 4/21/11, PRS again considered NPRR328. | | |
| PRS Decision | | On 3/24/11, PRS unanimously voted to refer NPRR328 to ROS. All Market Segments were present for the vote.  On 4/21/11, PRS unanimously voted to recommend approval of NPRR328 as amended by the 4/4/11 CenterPoint Energy comments and as revised by PRS. All Market Segments were present for the vote. | | |
| Summary of PRS Discussion | | On 3/24/11, NPRR328 was referred to ROS to address possible impacts to reliability.  On 4/21/11, ERCOT Staff explained that NPRR328 removes duplicative language regarding transmission planning that was implemented by NPRR292; and also removes language regarding monitoring of compliance as it is vague and does not specify monitoring responsibility. | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Quantitative Impacts and Benefits | | | | |
| Assumptions | | 1 |  | |
| 2 |  | |
| 3 |  | |
| 4 |  | |
| Market Cost | |  | **Impact Area** | **Monetary Impact** |
| 1 | *None.* | *None.* |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| Market Benefit | |  | **Impact Area** | **Monetary Impact** |
| 1 | *Market Participants will not have to prepare for self-certification.* |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| Additional Qualitative Information | | 1 |  | |
| 2 |  | |
| 3 |  | |
| 4 |  | |
| Other Comments | | 1 |  | |
| 2 |  | |
| 3 |  | |
| 4 |  | |

|  |  |
| --- | --- |
| Sponsor | |
| Name | JC Culberson |
| E-mail Address | [jculberson@ercot.com](mailto:jculberson@ercot.com) |
| Company | ERCOT |
| Phone Number | 512-248-4505 |
| Cell Number | 512-569-5520 |
| Market Segment | N/A |

|  |  |
| --- | --- |
| **Market Rules Staff Contact** | |
| **Name** | Sandra Tindall |
| **E-Mail Address** | [stindall@ercot.com](mailto:stindall@ercot.com) |
| **Phone Number** | 512-248-3867 |

|  |  |
| --- | --- |
| **Comments Received** | |
| Comment Author | **Comment Summary** |
| CenterPoint Energy 040411 | Proposed additional revisions to clarify DSP responsibilities and modifications to the revision description and reason for revision. |
| ROS 041211 | Recommended approval of NPRR328 as amended by the 4/4/11 CenterPoint Energy comments. |

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

***3.15.2 DSP Responsibilities Related to Voltage Support***

Each DSP and Resource Entity within a Private Use Network shall meet the requirements specified in this subsection, or at their option, may meet alternative requirements specifically approved by ERCOT. Such alternative requirements may include requirements for aggregated groups of Facilities.

(a) Sufficient static Reactive Power capability shall be installed by a DSP or a Resource Entity within a Private Use Network not subject to a DSP tariff in substations and on the distribution voltage system to maintain at least a 0.97 lagging power factor for the maximum net active power measured in aggregate on the distribution voltage system. In those cases where a Private Use Network’s power factor is established and governed by a DSP tariff, a Resource Entity within a Private Use Network shall ensure that the Private Use Network meets the requirements as defined and measured in the applicable tariff.

(b) DSP substations whose annual peak Load has exceeded 10 MW shall have and maintain Watt/VAr metering sufficient to monitor compliance; otherwise, DSPs are not required to install additional metering to determine compliance.

(c) All DSPs shall report any changes in their estimated net impact on ERCOT as part of the annual Load data assessment.

(d) As part of the annual Load data assessment, all Resource Entities owning Generation Resources shall provide an annual estimate of the highest potential affiliated MW and MVAr Load (including any Load netted with the generation output) and the highest potential MW and MVAr generation that could be experienced at the POI to the ERCOT Transmission Grid, based on the current configuration (and the projected configuration if the configuration is going to change during the year) of the Generation Resource and any affiliated Loads.