|  |  |  |  |
| --- | --- | --- | --- |
| PGRR Number | [129](https://www.ercot.com/mktrules/issues/PGRR129) | PGRR Title | Establish Grid Reliability and Resiliency Assessment (GRRA) Posting Requirements |
| Date of Decision | | August 7, 2025 | |
| Action | | Recommended Approval | |
| Timeline | | Normal | |
| Estimated Impacts | | Cost/Budgetary: Less than $10k (Operations & Maintenance (O&M))  Project Duration: No project required | |
| Proposed Effective Date | | Upon system implementation | |
| Priority and Rank Assigned | | Not applicable | |
| Requested Resolution | | Normal | |
| Planning Guide Sections Requiring Revision | | 3.1.1.6, Grid Reliability and Resiliency Assessment (GRRA)  7.1, Planning Data and Information | |
| Related Documents Requiring Revision/Related Revision Requests | | None | |
| Revision Description | | This Planning Guide Revision Request (PGRR) establishes requirements for posting versions of the Grid Reliability and Resiliency Assessment (GRRA) and updates the list that illustrates data sets and classifications in paragraph (2) of Section 7.1. | |
| Reason for Revision | | [Strategic Plan](https://www.ercot.com/files/docs/2023/08/25/ERCOT-Strategic-Plan-2024-2028.pdf) Objective 1 – Be an industry leader for grid reliability and resilience  [Strategic Plan](https://www.ercot.com/files/docs/2023/08/25/ERCOT-Strategic-Plan-2024-2028.pdf) Objective 2 - Enhance the ERCOT region’s economic competitiveness with respect to trends in wholesale power rates and retail electricity prices to consumers  [Strategic Plan](https://www.ercot.com/files/docs/2023/08/25/ERCOT-Strategic-Plan-2024-2028.pdf) Objective 3 - Advance ERCOT, Inc. as an independent leading industry expert and an employer of choice by fostering innovation, investing in our people, and emphasizing the importance of our mission  General system and/or process improvement(s)  Regulatory requirements  ERCOT Board/PUCT Directive  *(please select ONLY ONE – if more than one apply, please select the ONE that is most relevant)* | |
| Justification of Reason for Revision and Market Impacts | | This PGRR introduces language to the Planning Guide to post documents related to the GRRA. | |
| ROS Decision | | On 7/10/25, ROS voted unanimously to recommend approval of PGRR129 as submitted. All Market Segments participated in the vote.  On 8/7/25, ROS voted unanimously to endorse and forward to TAC the 7/10/25 ROS Report and 6/25/25 Impact Analysis for PGRR129. All Market Segments participated in the vote. | |
| Summary of ROS Discussion | | On 7/10/25, ERCOT Staff presented PGRR129.  On 8/7/25, participants reviewed the Impact Analysis. | |

|  |  |
| --- | --- |
| **Opinions** | |
| **Credit Review** | Not applicable |
| **Independent Market Monitor Opinion** | To be determined |
| **ERCOT Opinion** | To be determined |
| **ERCOT Market Impact Statement** | To be determined |

|  |  |
| --- | --- |
| Sponsor | |
| Name | Priya Ramasubbu |
| E-mail Address | [Priya.Ramasubbu@ercot.com](mailto:Priya.Ramasubbu@ercot.com) |
| Company | ERCOT |
| Phone Number | 865-621-9054 |
| Cell Number |  |
| Market Segment | Not Applicable |

|  |  |
| --- | --- |
| **Market Rules Staff Contact** | |
| **Name** | Brittney Albracht |
| **E-Mail Address** | [Brittney.Albracht@ercot.com](mailto:Brittney.Albracht@ercot.com) |
| **Phone Number** | 512-225-7027 |

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

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

None

|  |
| --- |
| Proposed Guide Language Revision |

**3*.*1.1.6Grid Reliability and Resiliency Assessment (GRRA)**

(1) ERCOT shall perform the Grid Reliability and Resiliency Assessment (GRRA) in coordination with the RPG on a biennial basis in even-numbered years to assess the reliability and resiliency of the ERCOT System in extreme weather scenarios. The study shall:

(a) Consider the impact of different levels of thermal and renewable generation availability;

(b) Identify areas of the ERCOT Region that face significant grid reliability and resiliency issues, taking into account the impact of potential Outages caused by regional extreme weather scenarios on Customers; and

(c) Identify transmission upgrades that are expected to increase the reliability or resiliency of the ERCOT System in extreme weather scenarios based on the criteria established in Section 4.1.2, Resiliency Criteria.

(2) Extreme weather scenarios shall be selected for one or more study cases. The study cases prepared will be adjusted to have sufficient power supply to meet the demand. The study cases shall be based on the current Regional Transmission Plan study cases, utilizing coincident load values, and may include scenarios that vary one or more of the following modeling assumptions:

(a) Different patterns of generation;

(b) Extreme peak load;

(c) Multiple Transmission Element Outages; and/or

(d) Multiple Generation Resource Outages.

(3) Under the extreme weather study scenarios described in paragraph (2) above, the post-contingency performance of the ERCOT System shall be evaluated for the following contingency events:

(a) Categories P0, P1, and P2.1 as defined in NERC Reliability Standard TPL-001, System Performance Under Normal Conditions; and

(b) Common tower outages as defined in Section 4.1.1.1, Planning Assumptions.

(4) ERCOT shall post the GRRA as follows:

(a) Versions that include ECEII shall be posted on the MIS Secure Area;

(b) Versions that include both ECEII and Protected Information shall be posted on the MIS Certified Area for TSPs only; and

(c) Versions redacted of ECEII and Protected Information shall be posted on the ERCOT website.

***7.1 Planning Data and Information***

(1) The information available on the ERCOT website or applicable Market Information System (MIS) (i.e., Secure or Certified Areas) includes, but is not limited to, planning information pertaining to the following:

(a) Long-term planning;

(b) Regional transmission planning;

(c) Steady state data;

(d) Resource integration;

(e) Case studies and files used in planning;

(f) Model information; and

(g) Data and information available to specific groups of Market Participants.

(i) Market Participants with a nondisclosure agreement with ERCOT have designated sections on the MIS that allow access to the certified posting of group information.

(ii) Market Participants may access the artifacts posted for their respective groups on the MIS Secure Area.

|  |
| --- |
| ***[PGRR116: Insert paragraph (h) below upon system implementation of NPRR1240:]***  (h) Information on the ERCOT website pertaining to energy and demand shall include monthly reports with 15-minute interval data. |

(2) The list below includes both data set and designated classification of the available planning data and information. Where the information is classified as “Certified,” the appropriate Market Participant category or group is “(all TSPs)” to indicate all Transmission Service Providers (TSPs) or “(PDCWG members)” to indicate members of the Performance, Disturbance, Compliance Working Group (PDCWG).

| **Data Set** | **Classification** |
| --- | --- |
| Aggregated Wind Output | ERCOT website |
| Annual Planning Model Data Submittal Schedule | Secure |
| Demand and Energy Monthly Reports | Secure |
| Dynamic Data Information | Certified (all TSPs) |
| Economic Studies of Transmission Projects for New Generation | Secure |
| ERCOT Long-Term System Assessment (LTSA) (except for Protected Information) | Secure |
| ERCOT LTSA | Certified (all TSPs) |
| ERCOT Steady State Planning Contingency Files | Secure |
| ERCOT System Operating Limit (SOL) Methodology | ERCOT website |
| Generation Data Forms | Secure |
| Generator Interconnection Status (GIS) Report | ERCOT website |
| Geomagnetically-Induced Current ([GIC) Flow Information](https://mis.ercot.com/secure/data-products/grid/regional-planning?id=PG3-953-M) | Secure |
| Geomagnetic Disturbance (GMD) Vulnerability Assessment Postings (except for Protected Information) – includes ERCOT Critical Energy Infrastructure Information (ECEII) | Secure |
| GMD Vulnerability Assessment Postings – includes ECEII and Protected Information | Certified (all TSPs) |
| GMD Vulnerability Assessment Postings (redacted) – excludes ECEII and Protected Information | ERCOT website |
| Grid Reliability and Resiliency Assessment (GRRA) Postings (except for Protected Information) – includes ERCOT Critical Energy Infrastructure Information (ECEII) | Secure |
| GRRA Postings – includes ECEII and Protected Information | Certified (all TSPs) |
| GRRA Postings (redacted) – excludes ECEII and Protected Information | ERCOT website |
| Documents Initiating a Generation Interconnection or Change Request (GINR) | Certified (all TSPs) |
| GINR Security Screening Studies and Supporting Documents | Secure |
| Sub-synchronous Oscillation Studies and Supporting Documents | Certified (all TSPs) |
| Full Interconnection Study (FIS): Steady-State, System Protection, Stability, and Facility Studies and Supporting Documents (except for Protected Information) | Secure |
| FIS: Draft Steady-State, System Protection, Stability, and Facility Studies and Supporting Documents | Certified (all TSPs) |
| Independent Market Monitor (IMM) and Topology Processor Supporting Documents | Certified (all TSPs) |
| Performance, Disturbance, Compliance Working Group (PDCWG) Group Documents and Project Files | Certified (PDCWG members) |
| Public Generation Information | ERCOT website |
| Remedial Action Plan (RAP) Review Cases | Certified (all TSPs) |
| Resource Registration Data | Certified (all TSPs) |
| Regional Planning Group Projects | Secure |
| Regional Transmission Plan Postings (except for Protected Information) – includes ERCOT Critical Energy Infrastructure Information (ECEII) | Secure |
| Regional Transmission Plan Postings – includes ECEII and Protected Information | Certified (all TSPs) |
| Regional Transmission Plan Postings (redacted) – excludes ECEII and Protected Information | ERCOT website |
| Seasonal Voltage Profile Studies | Certified (all TSPs) |
| Special Planning Studies (except for Protected Information) | Secure |
| Special Planning Studies | Certified (all TSPs) |
| Steady State Power Flow Base Cases | Secure |
| Steady State Power Flow Case Data | Certified (all TSPs) |
| Steady State Topology Processor Files | Secure |
| Steady State Transmission Project and Information Tracking (TPIT) Procedures | Secure |
| System Protection Short Circuit Data | Secure |
| Transient Stability Screening Study for ERCOT System | Certified (all TSPs) |
| TSP Planning Criteria and Procedures | Secure |
| Voltage Stability Screening Study for ERCOT System | Certified (all TSPs) |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***[PGRR116: Replace paragraph (2) above with the following upon system implementation of NPRR1240:]***  (2) The list below includes both data set and designated classification of the available planning data and information. Where the information is classified as “Certified,” the appropriate Market Participant category or group is “(all TSPs)” to indicate all Transmission Service Providers (TSPs) or “(PDCWG members)” to indicate members of the Performance, Disturbance, Compliance Working Group (PDCWG). “RIOO-RS” indicates information in Resource Integration and On-going Operations–Resource Services. Information classified as “Public” is available on the ERCOT website. The list below is intended to be only a general guide and not controlling language, and any conflict between this list and another section of the Planning Guide is controlled by the other section.   | **Data Set** | **Classification** | | --- | --- | | Aggregated Wind Output | ERCOT Website | | Annual Planning Model Data Submittal Schedule | Secure | | Demand and Energy Monthly Reports | ERCOT website | | Dynamic Data Information | Certified (all TSPs) | | Economic Studies of Transmission Projects for New Generation | Secure | | ERCOT Long-Term System Assessment (LTSA) (except for Protected Information) – includes ERCOT Critical Energy Infrastructure Information (ECEII) | Secure | | ERCOT LTSA – includes ECEII and Protected Information | Certified (all TSPs) | | ERCOT LTSA (redacted) – excludes ECEII and Protected Information | ERCOT website | | ERCOT Steady State Planning Contingency Files | Secure | | ERCOT System Operating Limit (SOL) Methodology | ERCOT website | | Generator Interconnection Status (GIS) Report | ERCOT website | | Geomagnetically-Induced Current ([GIC) Flow Information](https://mis.ercot.com/secure/data-products/grid/regional-planning?id=PG3-953-M) | Secure | | Geomagnetic Disturbance (GMD) Vulnerability Assessment Postings (except for Protected Information) – includes ERCOT Critical Energy Infrastructure Information (ECEII) | Secure | | GMD Vulnerability Assessment Postings – includes ECEII and Protected Information | Certified (all TSPs) | | GMD Vulnerability Assessment Postings (redacted) – excludes ECEII and Protected Information | ERCOT website | | Grid Reliability and Resiliency Assessment (GRRA) Postings (except for Protected Information) – includes ERCOT Critical Energy Infrastructure Information (ECEII) | Secure | | GRRA Postings – includes ECEII and Protected Information | Certified (all TSPs) | | GRRA Postings (redacted) – excludes ECEII and Protected Information | ERCOT website | | Documents Initiating a Generation Interconnection or Change Request | Secure (RIOO-RS) | | Security Screening Studies and Supporting Documents | Secure (RIOO-RS) | | Sub-synchronous Oscillation Studies and Supporting Documents | Certified (all TSPs) | | Full Interconnection Study (FIS): Steady-State, System Protection, Stability, and Facility Studies and Supporting Documents (except for Protected Information) | Secure | | FIS: Draft Steady-State, System Protection, Stability, and Facility Studies and Supporting Documents | Certified (all TSPs) | | Independent Market Monitor (IMM) and Topology Processor Supporting Documents | Certified (all TSPs) | | Performance, Disturbance, Compliance Working Group (PDCWG) Group Documents and Project Files | Certified (PDCWG members) | | Public Generation Information | ERCOT website | | Remedial Action Plan (RAP) Review Cases | Certified (all TSPs) | | Resource Registration Data | Certified (all TSPs) | | Regional Planning Group Projects | Secure | | Regional Transmission Plan Postings (except for Protected Information) – includes ERCOT Critical Energy Infrastructure Information (ECEII) | Secure | | Regional Transmission Plan Postings – includes ECEII and Protected Information | Certified (all TSPs) | | Regional Transmission Plan Postings (redacted) – excludes ECEII and Protected Information | ERCOT website | | Seasonal Voltage Profile Studies | Certified (all TSPs) | | Special Planning Studies (except for Protected Information) | Secure | | Special Planning Studies | Certified (all TSPs) | | Steady State Power Flow Base Cases | Secure | | Steady State Power Flow Case Data | Certified (all TSPs) | | Steady State Topology Processor Files | Secure | | Steady State Transmission Project and Information Tracking (TPIT) Procedures | Secure | | System Protection Short Circuit Data | Secure | | Transient Stability Screening Study for ERCOT System | Certified (all TSPs) | | TSP Planning Criteria and Procedures | ERCOT website | | Voltage Stability Screening Study for ERCOT System | Certified (all TSPs) | |