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| PGRR Number | [128](https://www.ercot.com/mktrules/issues/PGRR128) | PGRR Title | Regional Transmission Plan Review of Grid Enhancing Technologies |

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| Date | December 10, 2025 |

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| Submitter’s Information | |
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| Phone Number |  |
| Cell Number | 512-632-7013 |
| Market Segment | Not Applicable |

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| Comments |

Advanced Transmission Technologies, including Grid Enhancing Technologies (“GETs”) and High Performance Conductors can be fast, cost-effective solutions to expand transmission capacity.  They benefit consumers by lowering the cost to deliver increased transmission capacity to maintain system reliability and system resiliency, particularly given the scale and pace of new demand growth, The Texas Energy Buyers Alliance (TEBA) proposes this PGRR to increase transparency by introducing a minimal reporting requirement on how Transmission Service Providers (TSPs) plan for Advanced Transmission Technologies in the Regional Planning Group (RPG) process.

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| Revised Cover Page Language |

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| PGRR Number | [128](https://www.ercot.com/mktrules/issues/PGRR128) | PGRR Title | Regional Planning Group Disclosure of Grid Enhancing Technologies |
| Planning Guide Sections Requiring Revision | | 3.1.1.2, Regional Transmission Plan  3.1.2.1, All Projects | |
| Revision Description | | This Planning Guide Revision Request (PGRR) requires a submitting party to answer whether and how it used grid enhancing technologies (“GETs”) and high performance conductors when a Regional Planning Group (RPG) project is submitted. | |
| Justification of Reason for Revision and Market Impacts | | This minimal reporting requirement is justified given the potential substantial value of GETs and high performance conductors to deliver increased transmission capacity to maintain system reliability and resiliency while meeting rising demand more quickly at lower costs to consumers. But there is an opaque understanding of how TSPs evaluate their use. This PGRR does not require Transmission Service Providers (TSPs) to choose any particular technology but provides transparency into their evaluation in RPG planning studies. | |

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| Market Rules Notes |

None

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| Proposed Guide Language Revision |

**3.1.1.2 Regional Transmission Plan**

(1) The Regional Transmission Plan is developed annually by ERCOT, in coordination with the RPG and Transmission Service Providers (TSPs). The Regional Transmission Plan addresses regional and ERCOT-wide reliability and economic transmission needs and the planned improvements to meet those needs for the upcoming six years starting with the SSWG base cases. These planned improvements include projects previously approved by the ERCOT Board, projects previously reviewed by the RPG, new projects that will be refined at the appropriate time by TSPs in order to complete RPG review, and the local projects currently planned by TSPs. Combined, these projects represent ERCOT’s plan which addresses the reliability and efficiency of the ERCOT System in order to meet North American Electric Reliability Corporation (NERC) Reliability Standards, the Protocols, Nodal Operating Guides and this Planning Guide. Projects that are included in the Regional Transmission Plan are not considered to have been endorsed by ERCOT until they have undergone the appropriate level of RPG Project Review as outlined in Protocol Section 3.11.4, Regional Planning Group Project Review Process, if required. The process used by ERCOT to develop the Regional Transmission Plan is outlined in Section 3.1.4, Regional Transmission Plan Development Process.

(2) ERCOT shall post the Regional Transmission Plan by December 31 of each year as follows:

(a) Versions that include ERCOT Critical Energy Infrastructure Information (ECEII) shall be posted on the Market Information System (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.

(3) ERCOT shall include in the Regional Transmission Plan report a list of Transmission Facilities that are loaded above 95% of their applicable Ratings for the following conditions:

(a) Normal system conditions; or

(b) Following the contingency loss of a single generating unit, transmission circuit, transformer, or common tower outage.

**3.1.2.1 All Projects**

(1) The submittal of each transmission project (60 kV and above) for RPG Project Review should include the following elements:

(a) The proposed project description including expected cost, feasible alternative(s) considered, transmission topology and Transmission Facility modeling parameter data, and all study cases used to generate results supporting the need for the project in electronic format (powerflow data should be in PTI Power System Simulator for Engineering (PSS/E) RAWD format). Also, the submission should include accurate maps and one-line diagrams showing locations of the proposed project and feasible alternatives;

(b) Identification of the SSWG, Dynamics Working Group (DWG), or Regional Transmission Plan powerflow cases used as a basis for the study and any associated changes that describe and allow accurate modeling of the proposed project;

(c) Description and data for all changes made to the SSWG base cases or Regional Transmission Plan cases used to identify the need for the project, such as Resource unavailability and area peak load forecast;

(d) A description of the reliability and/or economic problem that is being solved;

(e) Information that supports any load values that differ from the load forecast used in the base cases identified in item (b) above, including any relevant historical load information or evidence demonstrating that a submitted load value is Substantiated Load;

(f) A description of the Subsynchronous Resonance (SSR) impact of the proposed project to the generation Facilities in the system pursuant to Protocol Section 3.22.1, Subsynchronous Resonance Vulnerability Assessment, and potential SSR Countermeasure plan for any identified SSR vulnerability, if applicable;

(g) Desired/needed in-service date for the project, and feasible in-service date, if different;

(h) The phone number and email address of the single point of contact who can respond to ERCOT and RPG participant questions or requests for additional information necessary for stakeholder review;

(i) Analysis of rejected alternatives, including cost estimates, and other factors considered in the comparison of alternatives with the proposed project;

(j) A yes or no response on whether any grid enhancing technologies were considered during the evaluation of the submitted project; and

(k) If the answer to item (j) above is yes, a description of what grid enhancing technologies were considered, how they were considered, and how the consideration did or did not impact the submitted project.

(2) Both transmission and distribution solutions to performance deficiencies may be considered where applicable.

(3) If there is any other information, not included above, that the submitting party believes is relevant to consideration of the need for any submitted project, the submitting party should include that information in the project submission.

(4) For the purposes of paragraphs (1)(j) and (1)(k) above, grid enhancing technologies include, at a minimum, high performance conductors, flexible alternating current transmission system (FACTS) devices (such as static VAR compensators, static subsynchronous compensators, series devices like static synchronous series compensators, and combined series-shunt devices the unified power flow controller), and dynamic line ratings that monitor weather conditions through the use of sensors or software calculations. The submitting party may include any other technology it believes fits into this category in answering paragraphs (1)(j) and (1)(k) above.