Unregistered Distributed Generator (UDG) Implementation Q&A

UDG Data Collection, Modeling and Reporting | 2026–2028

1. Executive Summary

- NPRR1265 established an annual process to collect aggregated UDG information from DSPs through TSPs and provide it to ERCOT. ERCOT will associate UDG characteristics with modeled transmission-to-distribution load points.
- The first protocol-driven cycle requires ERCOT to post the pre-populated template by January 15, 2027; DSPs to provide aggregated UDG information to TSPs by February 1; TSPs to submit updated information to ERCOT by March 30; ERCOT post the annual UDG report after May 1st; and UDG information available for use in ERCOT planning cases after October 2027.

2. Key Implementation Dates

Date	Milestone	Owner / Outcome
June 1, 2026	Unbox NPRR1265 items, including §3.2.5.1	ERCOT / protocol implementation
By Jan. 15, 2027	Post pre-populated UDG template to MIS	ERCOT
By Feb. 1, 2027	Provide aggregated UDG information to TSP	DSP
By Mar. 30, 2027	Submit updated UDG information to ERCOT	TSP
May 5, 2027	After May 1st post annual UDG report	ERCOT
Oct. 2027	UDG information available for use in ERCOT planning cases	ERCOT planning
By Jan. 15, 2028	Post next template containing prior-year's responses	ERCOT / annual cycle repeats

3. General Questions

Q1. What is the purpose of the UDG data collection?

Answer: To improve ERCOT visibility of unregistered distributed generators (UDG) connected within distribution systems and associate it with modeled load points so the information can support situational awareness and planning studies. As per HB3390 ERCOT requires owners or operators of Distributed Generation to provide information to their respective DSPs that ERCOT determines necessary for maintaining system reliability. Also, HB 3390 authorizes ERCOT to require TSPs to report to ERCOT, in aggregate by delivery port, the reported information regarding Distributed Generation.

Q2. Who provides data to whom?

Answer: The DSP provides aggregated UDG information to their TSP(s). The TSP uses the ERCOT pre-populated worksheet and submits the updated UDG information to ERCOT.

Q3. When does the first collection cycle begin?

Answer: ERCOT posts the pre-populated template by January 15, 2027. DSP information is due to TSPs by February 1, and TSP submissions to ERCOT are due by March 30.

Q4. When will ERCOT publish the first annual UDG report?

Answer: After May 1st, 2027.

Q5. When will UDG datasets be available for inclusion in ERCOT planning cases?

Answer: After October 2027 is the potential inclusion in ERCOT planning cases.

Q6. Will ERCOT pre-populate the worksheet each year?

Answer: Yes. ERCOT will generate worksheets containing associated loads. In subsequent annual cycles, the pre-populated template is expected to contain information provided in the prior year, making the process an update rather than a complete rebuild.

Q7. Where will the template be available?

Answer: The draft template was posted to ERCOT MIS.

https://mis.ercot.com/secure/data-products/data-product-details?id=np3-822-m

Q8. What should DSPs/TSPs do now?

Answer:

- Download the draft pre-populated template from the ERCOT MIS and review it.
- Monitor Market Notices for updated templates and any additional meetings.
- DSPs: contact your TSP now to agree how data will be exchanged ahead of the Feb 1 deadline.
- TSPs: confirm the process with your DSPs.

4. Technical Questions

Q9. At what level should UDG data be mapped?

Answer: As prescribed in the template spreadsheet**,** UDG information is to be rolled up to the transmission-to-distribution transformer/load point represented in ERCOT's model (CIM load).

Q10. What information is expected for each UDG grouping?

Answer: The worksheet calls for UDG type, nameplate or storage capacity, operational reactive power capability (leading and lagging), and ride-through capabilities. ERCOT pre-populates the CIM load fields.

Q11. Can multiple UDG types at the same load point be combined into one row?

Answer: Not when the resources have different UDG types or characteristics that prevent aggregation. Additional rows can must be added in these scenarios. For example, UDG should not be combined when they have different performance due to different IEEE 1547 vintages.

Q12. What UDG types are in the template?

Answer: Solar, Wind, Natural Gas, Diesel, Energy Storage, and Other (If "Other" is selected as the fuel type, specify the fuel used (e.g., hydrogen, biogas, hydro, etc.) in the Submitter Comments column).

Q13. How should the ride-through / IEEE 1547 field be completed?

Answer: Respond "yes" if the UDG has enabled settings that allow voltage and frequency ride through in accordance with 1547-2018. If such settings have not been enabled, respond "no" (even if the UDG may be capable of 1547-2018 performance). The modeling of UDG capabilities to ride-through voltage and frequency excursions will be based on these responses.

Q14. How should DC-coupled solar plus battery systems be reported?

Answer: Many DG sites are DC-coupled solar plus storage that share inverters and therefore share the same AC capacity. Splitting them into solar and battery rows would double-count capacity. A separate fuel type category for **solar plus battery**, with **standalone solar** and **standalone battery** keeping their own categories.

Q15. Should closed-transition or soft-transition backup generation be reported?

Answer: UDG that are parallel to the grid for 100ms or more should be provided to ERCOT.

5. Other Questions

Q16. Should non-export generation be included?

Answer: UDG information should be provided to ERCOT even if the output of the generator does not cause an export at the premise**.**

Q17. Is there a minimum kW threshold for reporting?

Answer: The template spreadsheet requests that UDG information be aggregated by various characteristics including tech/fuel type and ride-through capabilities. Aggregations of less than 250 kW may be omitted from the reporting to ERCOT. This threshold limit may be revisited in future iterations of the data collection process.

Q18. Should ADER resources be excluded from UDG reporting?

Answer: This collection is simply to identify where UDG exists, and that it does not want to exclude UDG that happens to be part of an ADER.

Q19. For shared stations, is the transmission owner or operator responsible for submission?

Answer: The TSP whose equipment serves the facility where the UDG interconnects. Per Protocol Section 3.2.5.1(3), that TSP is responsible for submitting the information. Where there is confusion, the operator and owner should talk directly and agree on who submits.