

# Critical Gas Infrastructure locations/loads that participate as DR in the PJM markets

Demand Response Subcommittee  
December 9, 2021

- NERC/FERC report published on 11/16
  - <https://www.ferc.gov/media/february-2021-cold-weather-outages-texas-and-south-central-united-states-ferc-nerc-and>
- Critical Gas Infrastructure loads participation in PJM markets will be impacted (starting winter 23/24)
- NERC standards are a work in progress

- What is “Critical Natural Gas Infrastructure”?
  - “Critical natural gas infrastructure loads are natural gas production, processing and intrastate and interstate pipeline facility loads which, if de-energized, could adversely affect the provision of natural gas to bulk-power system natural gas-fired generation. (Implementation Timeframe before Winter 2023/2024).

- Identify all CGI locations in DR Hub based on preliminary definition by 12/31/21
  - PJM operational data request – this will help with operational awareness
- Start stakeholder process
  - problem statement and issue charge to MIC but suggest it is worked on at the DRS
  - OC will work on all the other recommendations
- Coordinate development of NERC standards
  - Parallel to stakeholder process to change the rules

The screenshot displays the 'Location Detail' form in the DR Hub interface. The form includes fields for Location (JL TEST2), EDC Account Number (99999944848), Location ID (82707), Address Line 1 (2430 Atlantic Avenue), City (Atlantic City), CSP (AE), EDC (BC), Status (Active), Zone (BGE), and Pricing Point (BAGLEY 34 KV 230-1LD). A dropdown menu for 'Business Segment' is open, showing options like 'Critical Gas Infrastructure', 'Agriculture, Forestry and Fishing', 'Correctional Facilities', 'Hospitals', 'Industrial/Manufacturing', 'Mining', and 'Multiple Dwelling Unit'. The 'Critical Gas Infrastructure' option is selected and highlighted. Below the form is a table for 'Meter Equipment' with one record: EDC Meter, Approved, 11/10/2021. The bottom section shows 'Registration Input' and 'Load Reduction Method' details.

Meter Type	Meter Equipment	Status	Review Date	Interval	Installation Date	Installation QA Plan	Certification
EDC Meter		Approved	11/10/2021				

Peak Load Contribution (kW)	Winter Peak Load (kW)	Capacity Loss Factor	Energy Loss Factor	Max Load (kW)	Maximum Load Reduction Capability (kW)
129,252.000000		1.08199	1.07149		49,219.000

Manufacturing (kW)	HVAC (kW)	Generator (kW)	Number of Generators	Batteries (kW)	Lighting (kW)	Water Heaters (kW)	Refrigeration (kW)	Plug Load (kW)
0.000	49,119.000	100.000	1	0.000	0.000	0.000	0.000	0.000

- Please contact [DSR\\_Ops@pjm.com](mailto:DSR_Ops@pjm.com) if you have any questions or need help with the DR Hub update.