Generating Facility Cold Weather Operating Limits Periodic Data Request

Vince Stefanowicz
Sr. Lead Engineer, Generation
Reliability Standards & Compliance Subcommittee
April 22, 2022
<table>
<thead>
<tr>
<th>Action Required</th>
<th>Deadline</th>
<th>Who May Be Affected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete 2022 eDART Cold Weather Operating Limit Data Request</td>
<td>6/30/2022</td>
<td>Generation Owners who have not already provided Cold Weather Operating Limit Data.</td>
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</tbody>
</table>
PJM's authority to require all Generation Owners to provide operational data is found in:

- **PJM Operating Agreement**
  - Sections 11.3 Member Responsibilities, 11.3.1 General
  - Definition of Emergency, line ii
- **NERC Reliability Standards**
  - EOP-011, Emergency Preparedness and Operations
  - TOP-003, Operational Reliability Data
  - IRO-008, Reliability Coordinator Operational Analyses and Real-time Assessments

Those that do not respond will be contacted by PJM Law Dept. and could be found to be in breach of PJM Operating Agreement.
Primary Driver

- Changes Driven by NERC Project 2019-06 – Cold Weather

<table>
<thead>
<tr>
<th>Effective Date</th>
<th>Standards</th>
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<tbody>
<tr>
<td>4/1/2023</td>
<td>EOP-011-2 Emergency Preparedness and Operations</td>
</tr>
<tr>
<td>4/1/2023</td>
<td>IRO-010-4 Reliability Coordinator Data Specification and Collection</td>
</tr>
<tr>
<td>4/1/2023</td>
<td>TOP-003-5 Operational Reliability Data</td>
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</tbody>
</table>

[https://www.nerc.com/pa/Stand/Pages/Project%202019-06%20Cold%20Weather.aspx](https://www.nerc.com/pa/Stand/Pages/Project%202019-06%20Cold%20Weather.aspx)
Generator Operators determine lowest ambient temperature to which plants can reliably operate

Generator Operators to provide these limits to their Balancing Authority (BA) and Reliability Coordinator (RC)

Balancing Authority (BA) and Reliability Coordinator (RC) to incorporate these limits in their operating plans
Generating Facility Minimum Operating Temperature Data Request

- Originally based on joint NERC/FERC report on MISO cold weather event in January 2018
- Also accounts for lessons learned from ERCOT cold weather event
- Focused on low ambient operating temperature limits
- Follow up to data requests issued in 2020 and 2021
- Applicable to generating resources that have not previously provided the data to PJM
Generating Facility Minimum Operating Temperature Data Request

- Intended to collect design temperature data
- Data Requests to be initiated in eDART
  - One specific to wind and solar units
  - One specific to all other units
- Open from 4/15/22 to 6/30/22
Facilitator: Monica Burkett, Monica.Burkett@pjm.com
Secretary: Ashwini Bhat, Ashwini.Bhat@pjm.com
SME/Presenters: Vince Stefanowicz, Vincent.Stefanowicz@pjm.com

Generator Cold Weather Operating Limit Data Request
PROTECT THE POWER GRID
THINK BEFORE YOU CLICK!

Report suspicious email activity to PJM.
(610) 666-2244 / it_ops_ctr_shift@pjm.com

Be alert to malicious phishing emails.

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