



Cold Weather Advisory Process

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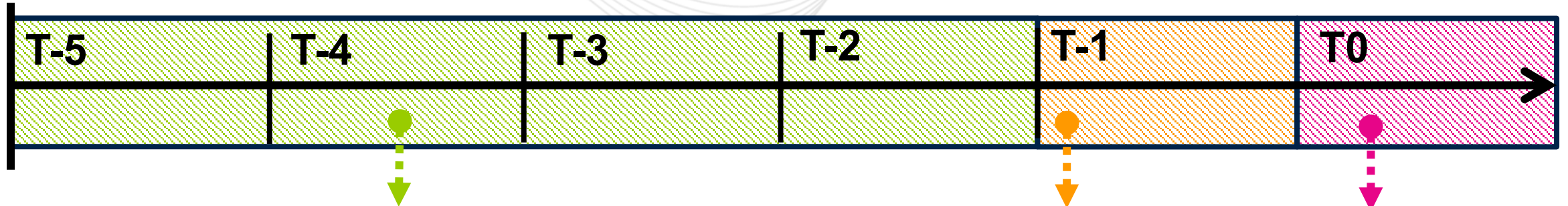
RSCS

December 16, 2022

The purpose of the Cold Weather Advisory is to provide an early notice that forecasted temperatures may call for a Cold Weather Alert. The early notification of an Advisory is intended to provide PJM members ample time to gather information required by NERC standards EOP-011, Emergency Preparedness and Operations, IRO-010 RC Data Specification and Collection, and TOP-003 Operational Reliability Data.

PJM Manual 13 Section 3.3.1 (added 10/01/2022)

- Prepare to take freeze protection actions such as erecting temporary windbreaks or shelters, positioning heaters, verifying heat trace systems, or draining equipment prone to freezing
- Review weather forecasts determine any forecasted operational changes, and notify PJM of any changes
- Members are to update Markets Gateway **and eDART** by entering unit specific operation limitations associated with cold weather preparedness. Operating limitations include:
 - Generator capability and availability
 - Fuel supply and inventory concerns
 - Fuel switching capabilities
 - Environmental constraints
 - Generating unit minimums (design temperature, historical operating temperature or current cold weather performance temperature as determined by an engineering analysis)



T-5 to T-2

Window for PJM Dispatch to issue a Cold Weather Advisory per PJM Manual 13

- PJM issues All-Call and makes Emergency Procedures Posting
- Members prepare units and review forecasts
- Members update Markets Gateway with any unit specific operation limitations associated with cold weather preparedness
- Members confirm/update cold weather operating limit and minimum start-up temperature in eDART as soon as possible, but within 48 hours of Cold Weather Advisory being issued

T-1

Window for PJM Dispatch to issue a Cold Weather Alert per PJM Manual 13

T0

Day of the forecasted cold weather

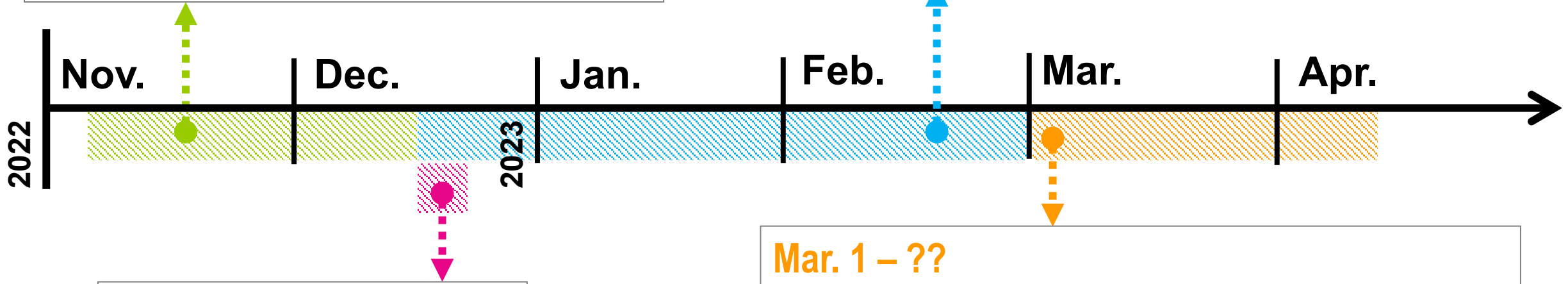
Cold Weather Op. Limit Collection Timeline

Nov. 7 – Dec. 15

Members confirm/update cold weather operating limit and minimum start-up temperature via the eDART Cold Weather Preparation Checklist data request

Dec. 16 – Feb. 28

2022/2023 Winter Cold Weather Operating Limit Data Request active in eDART for members confirm/update data when PJM issues a Cold Weather Advisory



Dec. 16

Cold Weather Advisory Drill

Mar. 1 – ??

2022/2023 Winter Cold Weather Operating Limit Data Request extended in eDART as needed based on the weather expectations

Generic Unit / Unit Type Questions		
Index	Question	Response
CWOL-01*	What ambient temperature is the plant designed to reliably operate down to? Consider all plant systems, components, controls, electrical, mechanical and water systems, including switchyard equipment owned by the Generating Facility. Please respond in degrees F (-50 to 40).	-30 Number (-50 <= nn <= 40)
CWOL-02*	If plant is shutdown and in a cold state, what is the minimum temperature at which the plant could start reliably? If the unit has no minimum start-up temperature please enter -50. If the unit has a minimum start-up temperature please respond in degrees F (-50 to 40).	-20 Number (-50 <= nn <= 40)

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[Unit List](#)
[GO Main Menu](#)

PJM will communicate the generator operating limits it collects with the appropriate Transmission Owners in accordance with the generator data confidentiality procedures identified in the OA Section 18.17.7 and Manual 14D Section 11.

This has the benefits of:

- Streamlining GO data reporting requirements to a single location instead of multiple
- Improving reliability analysis since both PJM and TOs will be using the same limits for generators

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