



Cold Weather Preparation

System Operations Subcommittee
September 6, 2018

- Pre-Winter Reactive Capability Verification
- Cold Weather Checklist
- Seasonal Fuel Inventory and Emissions Survey
- Cold Weather Exercise
- NERC Webinar

- **Generating Unit Reactive Capability Verification**
 - Pre-Winter Review: From October 1 through October 31
 - Generation Owners review their unit reactive capabilities in eDART
 - Update D-curves as necessary
 - Provide acknowledgement via eDART

- Cold Weather Preparation Guideline and Checklist
 - Provides generators with a guide to prepare units for cold weather operation
 - Based on Manual 14-D, Attachment “N”
- Survey in eDART
 - Starting November 1st and ending on December 15th
 - Option of using the PJM or equivalent checklist

- Required for reliable operations planning purposes
- Baseline of fuel supply and reserves ahead of winter season
- Enhance PJM situational awareness in preparation for severe weather
- Focused on fuel supply and delivery details (primary and alternate fuel), fuel inventory and emissions limitations
- Available in eDART October 8th and will end on November 16th

- Allow units to identify and correct start-up, operational, and fuel switching issues prior to cold weather operations
- Compensation for non-CP generators only
- Eligibility
 - Unit type is not nuclear or renewable
 - Unit has not operated on primary or alternate fuel for 8 weeks prior to November 1st
 - Unit, as modeled in Markets Gateway, did not clear any Capacity Performance MWs for the 2018/2019 BRA
- Non-eligible units are still encouraged to self-schedule to verify cold weather operation

- NERC-hosted webinar
 - Scheduled for Thursday, 9/6 from 1400-1500 EPT
 - Provide industry reports and material in preparation for the upcoming winter weather
 - Provide an overview of reference materials including:
 - Lessons Learned
 - Updated training packages
 - Preliminary 2018-19 North America Winter Reliability Assessment.

Appendix

- Logistics
 - PJM will provide list of eligible generators by November 10th
 - By November 20th, Generation Owners should identify units they have chosen to participate in the winter exercise, including:
 - Preferred and alternate dates/times
 - Fuel that the unit will operate on during the exercise
 - Minimum MW and run time for the exercise. (If different from Markets Gateway parameters provide justification)
 - Winter exercise period starts December 1st and runs through December 31st

- Logistics (cont'd)
 - eDART ticket should be submitted with cause code “Cold Weather Preparation Exercise”
 - PJM will cancel exercises in advance, by 1000 EPT the day prior of a scheduled exercise if:
 - Proper schedule is not available in Markets Gateway
 - Projected temperature is above 35 degrees in TO zone unit is located
 - Reliability issues are identified
 - Testing will be performed Tuesday through Friday and limited to 1000 MW/day
 - Test results shall be reported within 5 business days following exercise using PJM provided form