



Manual 14-D – Generator Operations Cold Weather Reporting Requirements

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Reliability Standards & Compliance Subcommittee

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Manual 14-D, Generator Operational Requirements Revisions

	Committee	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
Generation Deactivation Quick Fix (Rev. 59) Effective Date: 9/5/2022	SOS		6/2 ●	★ 7/2					
	OC		6/9 ●	★ 7/14					
	MRC		6/27 ●	★ 7/27					
Hybrid & Co-located Resources (Rev. 60) Effective Date: 10/1/2022	DIRS		○ 6/20						
	SOS			7/7 ●	★ 8/3				
	OC			7/14 ●	★ 8/11				
	MRC				8/24 ●	★ 9/21			
Cold Weather Reporting Requirements (Rev. 61) Effective Date: 10/1/2022	SOS			8/3 ●	★ 9/1				
	OC				8/11 ●	★ 9/8			
	MRC				8/24 ●	★ 9/21			
Periodic Review (Rev.62) Effective Date: 12/1/2022	SOS					9/29 ●	★ 10/28		
	OC					10/7 ●	★ 11/3		
	MRC						10/24 ●	★ 11/16	

● First Read
 ★ Endorsement
 ○ Info Only

Note: There will be an additional revision with changes related to FRBSR stakeholder process. The timing is still TBD.

Action Required	Deadline	Who May Be Affected
<p>Review and update unit operating parameters in advance of forecasted cold weather, including Generating Facility cold weather operating <u>temperature limit</u>.</p> 	<p>When Advisory is Issued or as needed</p> 	<p>Generation Owners and designated agents.</p> 

FERC/NERC joint report on MISO cold weather operations January, 2018 recommendations

- 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
- **Tie in to NERC Project 2019-06 – Cold Weather**

Report Link: https://www.nerc.com/pa/rrm/ea/Documents/South_Central_Cold_Weather_Event_FERC-NERC-Report_20190718.pdf

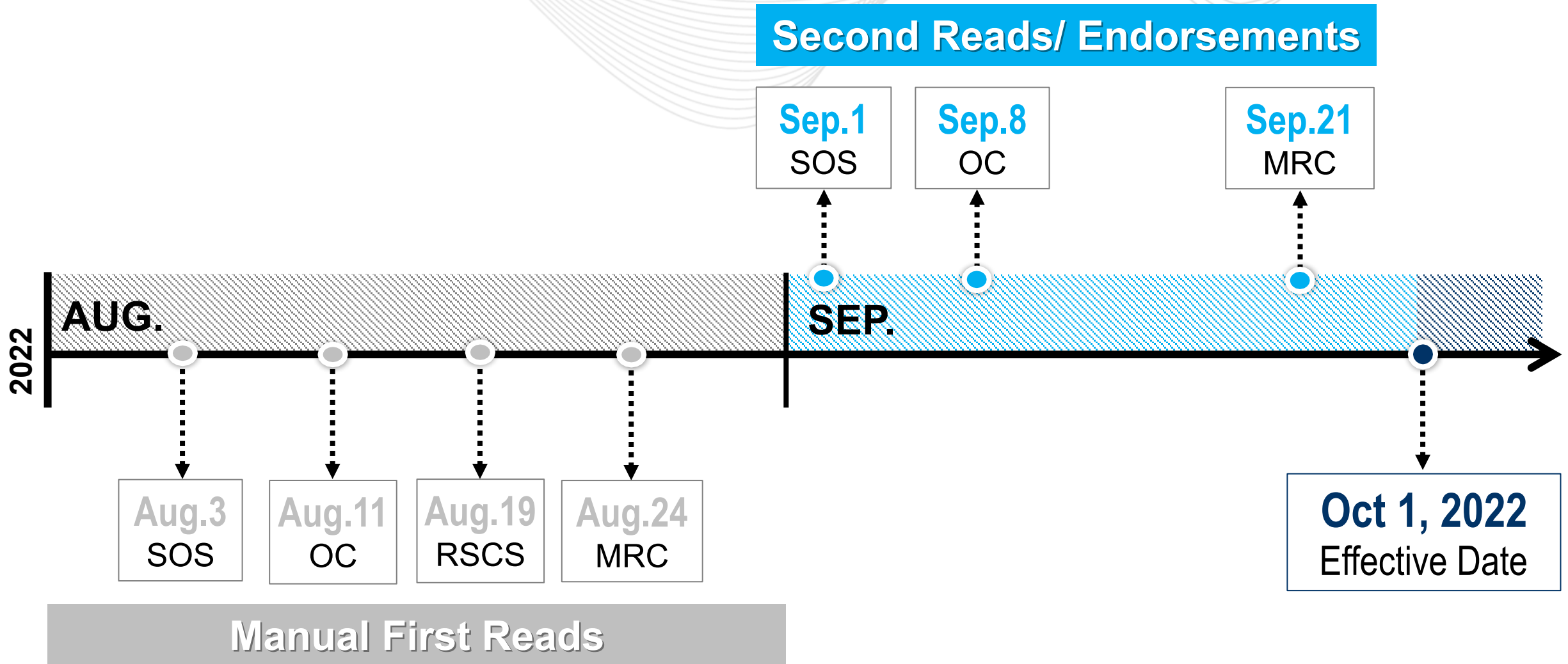
- Changes Driven by NERC Project 2019-06 – Cold Weather

Effective Date	Standards	
4/1/2023	EOP-011-2	Emergency Preparedness and Operations
4/1/2023	IRO-010-4	Reliability Coordinator Data Specification and Collection
4/1/2023	TOP-003-5	Operational Reliability Data

<https://www.nerc.com/pa/Stand/Pages/Project%202019-06%20Cold%20Weather.aspx>

- Section 7.3.5: Fuel, Emissions and Operational Data Reporting
 - Generation Owners or designated agents shall update Markets Gateway with unit specific resource limitations associated with cold weather preparedness, including:
 - Generator capability and availability
 - Fuel supply and inventory concerns
 - Fuel switching capabilities
 - Environmental constraints

- Section 7.3.5: Fuel, Emissions and Operational Data Reporting
 - **New Requirement**
 - Generating Facility minimum design temperature
 - New field being added to Markets Gateway to capture Generating Facility design temperature.
 - Additional information can be communicated with an Informational eDART Ticket
- Attachment N: Cold Weather Preparation Guideline and Checklist
 - Added recommendation to take into account the effects of precipitation and wind during cold weather preparation.



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Appendix

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