M-11			
Energy Emergency Alerts (EEA)			
Submittal Date	February 27, 2009		
Proposal Type Is this a proposed new metric, a revision to an existing metric, or a proposal for a type of analysis?	New ☐	Revision ☒ Revised March 16, 2022 Revised November 12, 2013	Metric Analysis ☐
Definition	These metrics track EEA 3 declarations for BAs when actual capacity and/or energy deficiencies occur as defined by EOP-011-1.		
Rating Criteria	• **Red (actionable)**: Year over year count increase and continues to be above the five-year average. • **Yellow (monitor)**: Year over year count increase and first year that it is above the five-year average. • **White (stable)**: Reporting year over year count is no change and is less than five-year average. • **Green (good/improving)**: Year over year count improvement and less than the five-year average or zero.		
Purpose	The purpose of an EEA is to provide real-time indication of potential and actual energy emergencies within an Interconnection. EEA trends may provide an indication of BPS capacity, energy, and transmission insufficiency. This metric may also provide benefits to the industry when considering correlations between EEA events and Planning Reserve Margins.		
Formula or Type of Statistical Analysis	• EEA 3 alerts issued in a count by region (including events with and without load interruption) • EEA 3 alert duration (in hour) by EEA 3 level • Maximum Firm Load Energy Loss = Firm load interruption (MW) x Duration (hour)		
Time Horizon	Historical and current year perspective		
Metric Start Time or Baseline	2002, or whenever data first became available		
Data Collection Interval and Roll Up	EEA 3 alerts are reported on a real time basis. Data should be accumulated on a quarterly basis.		

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Ease of Collection	EEA 3 alerts are currently reported to NERC and a database of the alerts is maintained.					
Aggregation	Balancing Authority, Regional Entity, and Interconnection					
Links to NERC Standard	EOP-11-2 and EOP-04 (https://www.nerc.com/pa/Stand/Project%20201906%20Cold%20Weather%20DL/EOP-011-2_Clean_01272021.pdf and https://www.nerc.com/pa/Stand/Reliability%20Standards/EOP-004-4.pdf)					
Data Source	EOP-11-2					
Data Source Owner	NERC Situation Awareness					
PAS and NERC Staff Use						
Need for Validation or Pilot	Initially, needed to validate completeness and consistency of reporting by entities.					
SMART Rating PAS SMART rating of proposed metric, metric revision, or new metric analysis method	Total Score	Specific/Simple	Measurable	Attainable	Relevant	Tangible/ Timely
	15	3	3	3	3	3
Publications and Documentation	State of Reliability Report and NERC Reliability indicator dashboard.					