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Disturbance Control Standard Failures

Submittal Date	February 27, 2009		
Proposal Type	New <input type="checkbox"/>	Revision <input checked="" type="checkbox"/>	Metric Analysis <input type="checkbox"/>
Definition	The metric is calculated as a percentage of the Reportable Balancing Contingency Events (RBCEs) recoveries divided by the total number of RBCEs.		
Rating Criteria	<ul style="list-style-type: none"> • Red (actionable): The recovery percentage decreased year-over-year and continues to be below the five-year average. • Yellow (monitor): The recovery percentage decreased year-over-year and is below the five-year average. • White (stable): The recovery percentage is \geq year-over-year and is \leq five-year average. • Green (good/improving): The recovery percentage is $>$ year-over-year or 100% and is \geq the five-year average. 		
Purpose	The purpose is to measure the ability of the BA or RSG to use contingency reserves to restore the balance of resources and demand within their balancing authority area or RSG area following an RBCE. The results help measure the risk the system is exposed to during contingencies, the annual trend in reportable events, and how the BA or RSG's system performs when they occur. ¹		
Formula or Type of Statistical Analysis	The metric is calculated as a percentage of the RBCEs recoveries divided by the total number of RBCEs.		
Time Horizon	Rolling 5 year average		
Metric Start Time or Baseline	2002, or whenever data first became available		

¹ For defined terms, refer to the NERC glossary, https://www.nerc.com/files/glossary_of_terms.pdf

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Data Collection Interval and Roll Up	Prior to December 31, 2017, NERC Reliability Standard BAL-002-1 ² required that a BA or RSG report all disturbance control standard events and non-recoveries to NERC. On January 1, 2018, NERC Reliability Standard BAL-002-2 ³ became effective, which required a BA or RSG to document all RBCEs and their recoveries but no longer requires them to be reported to NERC					
Ease of Collection	Data is available; NERC Resources Subcommittee has the data.					
Aggregation	Balancing Authority and Reserve Sharing Groups					
Links to NERC Standard	NERC Standard BAL-002					
Data Source	Voluntary quarterly submissions collected by the Resources Subcommittee					
Data Source Owner	Resources Subcommittee					
Data to be Submitted By	Balancing Authority					
Review History	Reviewed February 19, 2025 Revised March 16, 2022					
PAS and NERC Staff Use						
Need for Validation or Pilot	Need 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

² <https://www.nerc.com/pa/Stand/Reliability%20Standards/BAL-001-1.pdf>

³ [https://www.nerc.com/pa/Stand/Reliability%20Standards/BAL-002-2\(i\).pdf](https://www.nerc.com/pa/Stand/Reliability%20Standards/BAL-002-2(i).pdf)

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**Publications and
Documentation**

State of Reliability Report