



Executive Summary Manual Changes

Effective Date	August 1, 2024
Impacted Manual #(s)/Manual Title(s): Manual 11: Energy & Ancillary Services Market Operations Manual 13: Emergency Operations	
Conforming Order(s): N/A	
Associated Issue Tracking Title:	Reserve Certainty and Resource Flexibility Incentives
Committee Approval Path - What committee(s) have already seen these changes? RCSTF MIC, OC (informational only)	
MRC 1st read date:	June 27, 2024
MRC voting date:	July 24, 2024
Impacted Manual sections: Manual 11 Section 4.3 Reserve Requirement Determination Manual 13 Section 2.2 Reserve Requirements	
Reason for change: <ul style="list-style-type: none">• Detail how the 30-Minute Reserve Reliability Requirement would be set after these changes are in effect• Clarify that the Synchronized Reserve, Primary Reserve and 30-Minute Reserve extended reserve requirements can be increased independently from one another	
Summary of the changes: <i>Updates to Manual 11 Section 4.3 Reserve Requirement Determination</i> <ul style="list-style-type: none">• Clarified that each of the reserve services has its own Extended Reserve Requirement, which can be increased discretely	

- Clarified that the requirements will continue to nest
- Replaced the 3,000 MW value in the 30-Minute Reliability Requirement with the new minimum operating reserve quantity, and referenced Manual 13 where that calculation is detailed

Updates to Manual 13 Section 2.2 Reserve Requirements

- Detailed how the minimum operating reserve value would be calculated, based on the load forecast peak, average load forecast error and average generator forced outage rate
- Detailed how each quantity in the operating reserve calculation is derived
- Explained the process for calculating the average load forecast error and average generator forced outage rate annually
- Explained how the 30-Minute Reliability Requirement is set in a reserve sub-zone