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<td>Manual 13: Emergency Operations</td>
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<td><strong>Committee Approval Path - What committee(s) have already seen these changes?</strong></td>
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<td>Manual 13:</td>
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<tr>
<td>• Section 2.2 Reserve Requirements</td>
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<tr>
<td>• Section 3.9 Assessing Gas Infrastructure Contingency Impacts on the Electric System</td>
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<tr>
<td>Manual 11:</td>
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<tr>
<td>• Section 4.2.1 Synchronized Reserve Market Eligibility</td>
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<td>• Section 4b.2.1 Non-Synchronized Reserve Resource Eligibility</td>
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<td>• Section 11.2.2 Day-Ahead Scheduling Reserve Market Eligibility</td>
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<tr>
<td>• Section 11.2.8 Day-Ahead Scheduling Reserve Market Obligation Fulfillment</td>
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### Executive Summary

#### Manual Changes

**Reason for change:**

The 2017 Operationalizing Gas Contingencies initiative created an operating procedure to evaluate gas infrastructure redundancy and operationalize gas contingencies under electric/natural gas infrastructure constraints/failures and external threat conditions (cyber/physical threats). This set of Manual changes is intended to clarify the impact of operationalizing gas contingencies on the Day-Ahead Scheduling Reserve Requirement and reserve market eligibility.

<table>
<thead>
<tr>
<th>Summary of the changes:</th>
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<tr>
<td>Language to address a credible gas contingency(s) in the calculation for increasing the Day-Ahead Scheduling Reserve Requirement:</td>
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<tr>
<td>- Manual 13, Section 2.2 Reserve Requirements</td>
</tr>
<tr>
<td>- Manual 11, Section 11.2.1 Day-Ahead Scheduling Reserve Market Reserve Requirement</td>
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Language added to clarify the reserve market eligibility of resources impacted by a credible gas pipeline contingency(s):

- Manual 13, Section 3.9 Assessing Gas Infrastructure Contingency Impacts on the Electric System
- Manual 11, Section 4.2.1 Synchronized Reserve Market Eligibility
- Manual 11, Section 4b.2.1 Non-Synchronized Reserve Resource Eligibility
- Manual 11, Section 11.2.2 Day-Ahead Scheduling Reserve Market Eligibility