

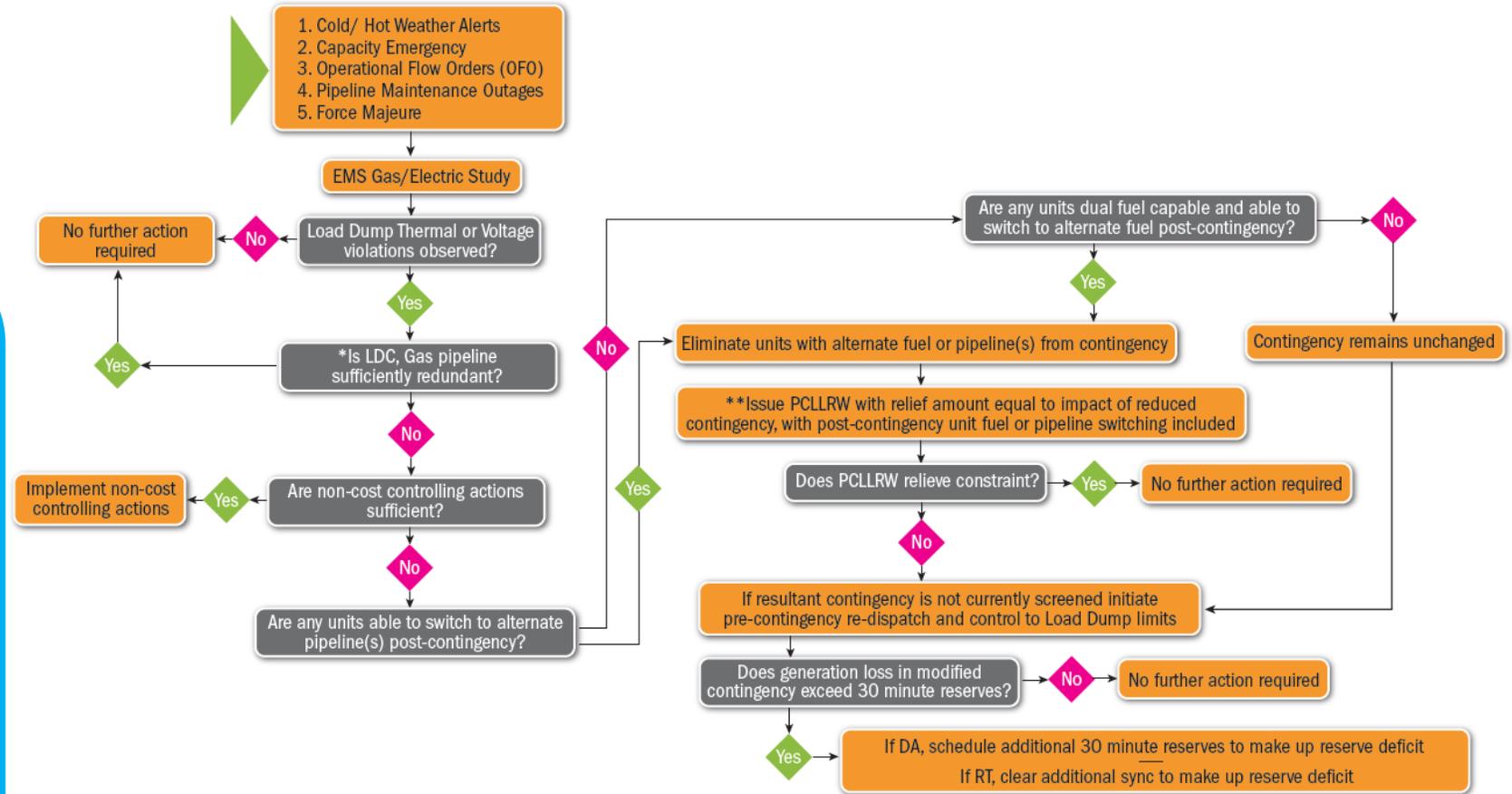


Gas Pipeline Switching Procedure Review

MIC Special Session
September 27, 2019
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Existing M-03 procedure (no physical/cyber threat)

- There is no precontingency gas pipeline switching step in the 'no physical/cyber threat scenario' flowchart
- Gas Contingency Switching Cost recovery is not applicable under this scenario

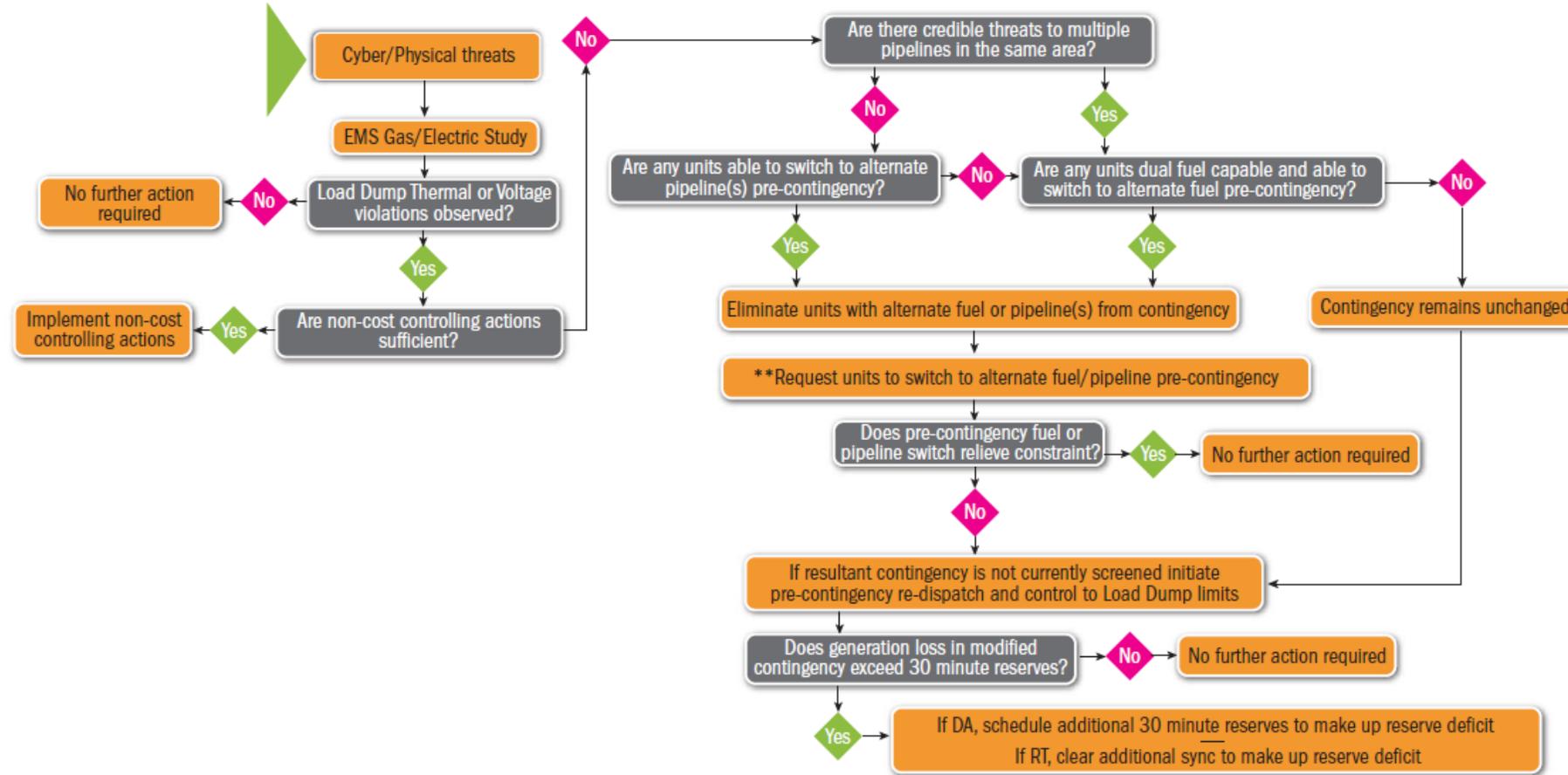


Decision Point

*Primary Firm Service: Predefined LDC and compressor station contingencies account for primary firm contractual agreements between generators and pipelines/LDCs.

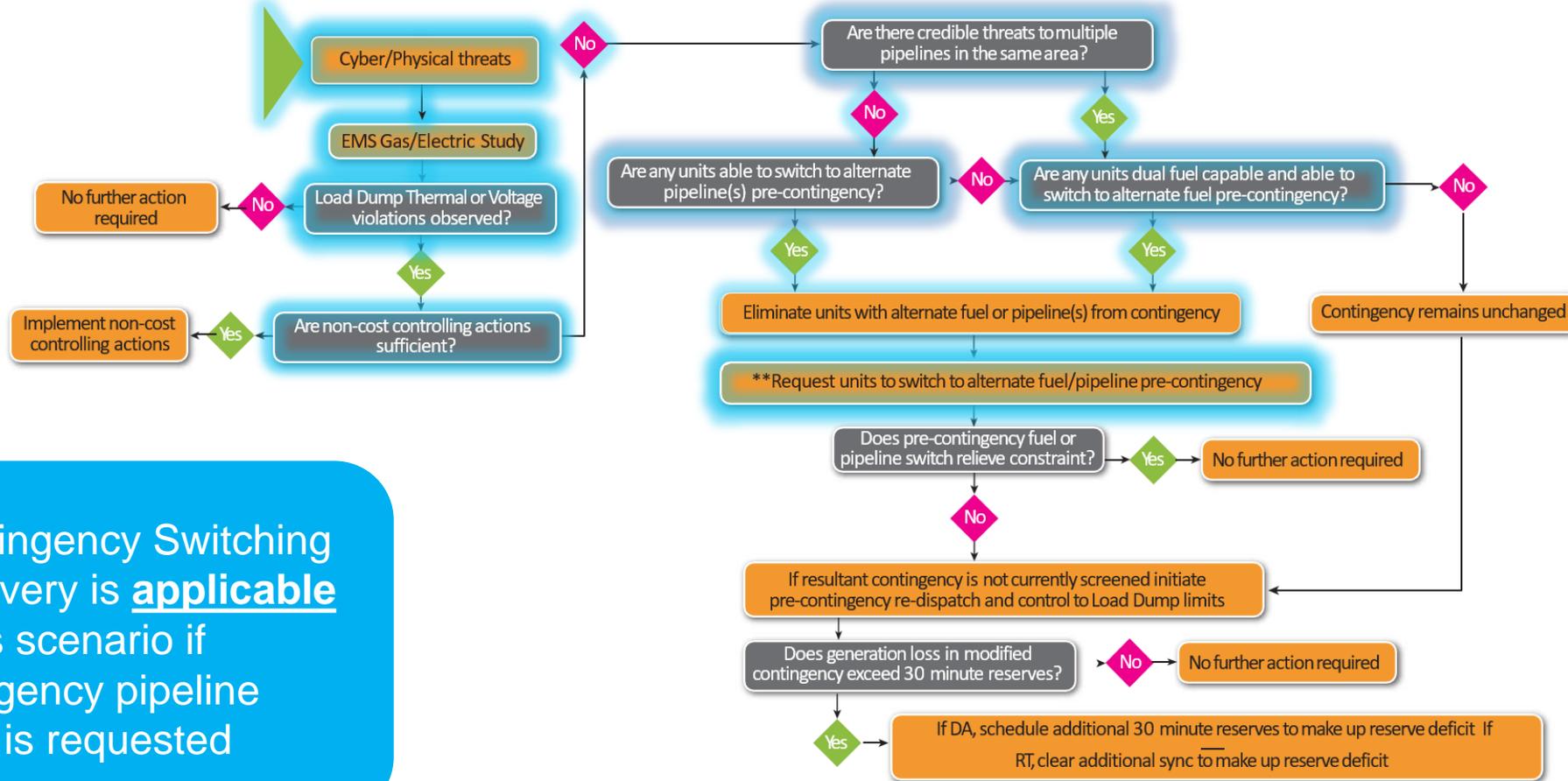
**Post-Contingency Control: If sufficient time exists, implement least cost option of post-contingency re-dispatch or alternate fuel/pipeline switching. Otherwise, implement post-contingency load shed as last option.

Existing M-03 procedure: Credible Threat Scenario



Decision Point

**Pre-Contingency Control: Implement least cost option of pre-contingency re-dispatch or alternate fuel/pipeline switching. Otherwise, implement post-contingency load shed as last option.



• Gas Contingency Switching Cost recovery is applicable under this scenario if precontingency pipeline switching is requested

Decision Point

**Pre-Contingency Control: Implement least cost option of pre-contingency re-dispatch or alternate fuel/pipeline switching. Otherwise, implement post-contingency load shed as last option.

- A credible threat greatly increases the chance of a pipeline loss/fault and pre-contingency action is prudent.
- Pre-contingency pipeline switching will only be implemented under the physical/cyber threat scenario and after discussion with the generation owner.
- After the discussion, an Operating Instruction to switch will only be issued if the generation owner is able to do so without violating, e.g., a pipeline issued OFO or other Tariff provisions, and has access to an alternate fuel source or fuel type within a timeframe consistent with the reliability needs of the electric system.