



Triggers & Gas/Electric Study

Multi-Source/
Dual Fuel Considerations

Decision Point

PJM Controlling Actions



No further action is needed

Activate contingencies and control to voltage and thermal load dump limits

Is potential loss > current secondary reserves?

Carry additional 30 minute reserves up to the eco-max value of impacted units

Dual fuel units?

Eliminate dual fuel units from contingency

Request units to switch pre-contingency based on available controlling action

Eliminate dual fuel units from contingency

Modify contingencies. Are modified contingencies already screened?

Eliminate multiple pipeline units from contingency

Is gas adequately schedule and confirmed by the pipeline(s)?

Sufficient time to switch post-contingency?

Able to switch to alternate fuel?

Dual fuel units?

Able to switch to non-impacted pipeline(s)?

Generators on multiple pipelines/can LDC infrastructure support plant?

Are there credible threat to multiple pipelines in the same area?

Are there load dump thermal/voltage issues?

EMS Gas/Electric Study

Pipeline Cyber/Physical threats

No controlling actions