Dual Fuel Capacity Definitions

Issue Source

Dominion Energy

Issue Content

This Issue Charge is to expand the definition of dual fuel resources to encompass dedicated alternative fuel sources that are not strictly "onsite." PJM accredits capacity resources through its Effective Load Carrying Capability (ELCC) methodology. PJM develops ELCC values for Dual Fuel Combustion Turbine and Dual Fuel Combined Cycle resources. To qualify for either class, a resource owner must attest that it meets the definition of a dual fuel resource type consistent with PJM's Reliability Assurance Agreement (RAA), Article 1, Definitions. Because of recent reliability events and restrictions on available fuel supply, owners of gas-fired generators have explored alternative fueling options including making investments in alternative fuel supply to qualify as a dual fuel resource. PJM's existing RAA definition requires additional clarifications regarding fuel sources to ensure resources with unique fuel configurations are qualified appropriately as a dual fuel resource.

Key Work Activities and Scope

The stakeholders will review the proposed, simple RAA revisions below, presenting the finalized version to relevant stakeholder committees.

Expected Deliverables

Provide clarified RAA definition language changes to relevant stakeholder groups.

Decision-Making Method

Tier 1, consensus

Stakeholder Group Assignment

This issue will use the Quick Fix (QF) process in accordance with Manual 34 section 8.6.1 and presented to the Markets & Reliability Committee for approval.

Expected Duration of Work Timeline

Seeking stakeholder and FERC approval for the RAA revisions for implementation prior to the attestation deadline (November 2025) for the 2028/2029 Base Residual Auction to be held in June 2026.

Start Date	Priority Level	Timing	Meeting Frequency
Click here to enter a date.	☒ High	☒ Immediate	☐ Weekly
	☐ Medium	☐ Near Term	☐ Monthly

	☐ Low	☐ Far Term	☐ Quarterly

Proposed Changes

PJM Reliability Assurance Agreement, Article 1: Definitions

Gas Combined Cycle Dual Fuel Class: "Gas Combined Cycle Dual Fuel Class" shall mean an ELCC Class consisting of Unlimited Resources of the combined cycle technology type that is primarily fueled by natural gas, and that attests that it has the capability to start independently using ~~onsite~~ fuel sources and operate independently on alternate ~~onsite~~ fuel source(s), where such start up and operating fuel source(s) are either (1) stored onsite or (2) can be directly transported to the resource ~~from an alternative delivery system~~ using a firm pipeline that is solely dedicated to the Market Seller's resource(s) when supplying the alternate fuel, up to its maximum capacity level during the winter season of the applicable Delivery Year in which it is providing capacity, and capable of operating on the alternate fuel for two 16-hour periods over two consecutive days at its maximum capacity level.

Gas Combustion Turbine Dual Fuel Class: "Gas Combustion Turbine Dual Fuel Class" shall mean an ELCC Class consisting of Unlimited Resources of the combustion turbine technology type that is primarily fueled by natural gas, and attests that it has the capability to start independently using ~~onsite~~ fuel sources and operate independently on alternate ~~onsite~~ fuel source(s), where such start up and operating fuel source(s) are either (1) stored onsite or (2) can be directly transported to the resource ~~from an alternative delivery system~~ using a firm pipeline that is solely dedicated to the Market Seller's resource(s) when supplying the alternate fuel, up to its maximum capacity level during the winter season of the applicable Delivery Year in which it is providing capacity, and capable of operating on the alternate fuel for two 16-hour periods over two consecutive days at its maximum capacity level~~.~~, up to its maximum capacity level during the winter season of the applicable Delivery Year in which it is providing capacity, and capable of operating on the alternate fuel for two 16-hour periods over two consecutive days at its maximum capacity level.

More detail available in M34; Section 6