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Ancillary Services Manual

Issued: June 2022

8. Automatic Fuel Swap Capability Testing

8.1. Description

The *NYISO* requires that Generator Owners of combined cycle units that are part of the Con Edison Minimum Oil Burn (“MOB”) program and have the ability to automatically swap from natural gas to a liquid fuel source in the event of the sudden interruption of gas fuel supply or loss of gas pressure or unavailability of gas supply to the generator (“Applicable Unit”) test that capability. The current list of dual fuel units that are part of the Con Edison MOB program are published in the seasonal reports presented to the NYISO Operating Committee.

8.2. Automatic Fuel Swap Testing Requirements

The test by each Generator Owner of an Applicable Unit shall demonstrate the ability to swap from natural gas to oil following an actual or simulated loss of gas pressure, or an operator-initiated swap, within a time consistent with the design parameters for the Applicable Unit, not to

exceed 60 seconds, while remaining synchronized to the transmission system and in stable operation.

8.3. Automatic Fuel Swap Testing Frequency

Each Generator Owner must, at least once each NYISO Capability Period (Summer and Winter), successfully test or demonstrate the ability each Applicable Unit to perform their intended function. The results of a successful, real-time automatic fuel swap can be utilized to satisfy the testing requirement for the Capability Period in which it occurs.

Tests must be coordinated with the NYISO and Con Edison.

8.4. Automatic Fuel Swap Testing Procedures

The Generator Operator must develop and implement specific testing procedures for each Applicable Unit to demonstrate they are able to perform their intended function. These procedures shall be provided to the NYISO Manager of Operations Engineering and Con Edison. In the capability period following each automatic fuel swap test, updated restoration procedures or verifications of continued applicability of previously supplied procedures shall be provided to the NYISO and Con Edison.

8.5. Documentation of Automatic Fuel Swap Testing and Mitigation of Failed Tests

Generator Operators of Applicable Units shall document the date, start-time, and duration of all tests, and indicates if the tests meet the criteria in the unit's Automatic Fuel Swap testing procedure. In the capability period following each automatic fuel swap test, documentation of a successful test shall be provided to the NYISO Manager of Operations Engineering. If the automatic swap from natural gas to liquid fuel test is not successful, the Generator Owner shall identify the causes of the failure, shall take steps to undertake remedial actions that are necessary to resolve the failure, and keep the NYISO and Con Edison informed as to the progress of its remedial actions. If an Automatic Fuel Swap Test is not successful, the Generator will have a reasonable opportunity to reschedule and conduct a subsequent test following completion of remedial actions.