



Existing Pseudo Tie URMSTF Update

PJM URMSTF
12/07/2016

- PJM understands its stakeholders desire to not only address new pseudo tie challenges, but also address any challenges associated with existing pseudo ties prior to 20/21 DY BRA conducted in May 2017
- Existing pseudo-ties are a challenge because some have already been implemented and have future commitments
 - PJM has implemented operating protocols where necessary to manage issues associated with implemented pseudo-ties
 - With current operational pseudo ties, these operating protocols have been successful thus far in managing identified issues

- Any approved pseudo tie that is cleared at least one Delivery Year (DY) during the period of 16/17 DY through 19/20 DY will be considered as existing pseudo tie
- Existing pseudo ties will be evaluated for operational deliverability
- If an existing pseudo tie can be operated reliably then it will be operated
 - An acceptable PJM operating guide/procedure may be used to ensure reliable operation

- Existing pseudo ties that are reliable will be operated under the current rules for 5 years as of June 1, 2016
 - This includes the 2020/2021 and 2021/2022 DYs
- By October 1 of the year preceding the applicable DY, PJM will notify existing pseudo tie owners whether their pseudo tie is operationally feasible
 - If YES, the pseudo tie is accepted for the DY
 - If NO, the pseudo tie owner can decide to perform required upgrades or declare the MW as non-viable

- Pseudo tie owners with long term contracts with PJM load may be eligible to be operated for the longer of 5 years or the life of the asset
 - Pseudo tie must be operationally feasible
 - If it is not, upgrades based on PJM's planning standards must be performed to maintain pseudo tie status or the MW are non-viable.
 - Evidence of a long-term contract with a PJM LSE must be provided

Pseudo Tie Type	Normal Operations		Emergency	
	MISO	Non Markets	MISO	Non Markets
Merchant	Current PJM/MISO Op Guide / M2M	N/A	JOA Emergency Protocols	TLR 5
Self Supply	Current PJM/MISO Op Guide / M2M	N/A	Unit Specific Op Guide	TLR 5

- Operational Infeasibility:
 - Identified need for a Remedial Action Scheme (RAS) or Manual Generation Trip Protocol required by an External Entity
 - Identified need for a switching Solution(s) that radializes load(s)
 - Unit(s) undeliverable during Capacity Emergency Operations

- PJM will review:
 - Frequency of external Regional Reliability Limit Violations
 - Frequency of non-M2M (Local Reliability) Dispatch instructions and commitments
 - Includes initiation of Safe Operating Mode (SOM)