Merchant Transmission Interconnection and Off-Shore Wind

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• PJM states on east coast seeking to promote development of off-shore wind

• Developers have proposed new and creative ways to connect offshore wind to the PJM system.

• Interest in creating offshore transmission networks as well as lead line connections to the transmission system.

• Current Tariff language specific to interconnection requests (generation and merchant transmission) was not designed to interconnect off-shore wind.
Current Interconnection Process

- Generation Interconnection Request: Generator connecting through a single Point of Interconnection and receives Capacity Interconnection Rights (CIR).

- Transmission Interconnection Request
  - Controllable AC or DC connection to the PJM system and an adjacent control area with Transmission Injection and/or Withdrawal Rights (TIR and TWR)
  - (Non-controllable) AC connection to the PJM system with no ability to request TIRs or TWRs.
• Offshore wind developers have described their challenges and wants from the interconnection process.
  – Ability to create offshore transmission networks
  – Multiple points of interconnection for increased reliability

• PJM is seeking stakeholder input for process or language modifications.
Areas of Investigation

• What interconnection rights might be offered?
  – CIRs?
  – TIRs?
  – Newly defined rights?

• What studies might be required?
  – May depend on how projects are modeled and what rights are may be granted.

• Will rights be transferrable? If so, under what terms?
Areas of investigation

• What changes might be needed in process?
  – Project application requirements?
  – Study process in Tariff?
  – New pro forma interconnection services agreement?
  – What other process impacts are there?
Next Steps

• Develop concepts for alternative ways to interconnect off-shore wind

• Present concepts and seek stakeholder input

• Develop Tariff language for stakeholder approval