Problem Statement
Offshore Wind Development

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Merchant Transmission Interconnection Customers can request Transmission Injection and/or Withdrawal Rights (TIR and/or TWR) for Merchant D.C. Transmission Facilities or Controllable A.C. Merchant Transmission Facilities that are connected to another control area outside of PJM.
Controllable A.C. Merchant Transmission Facilities

- Defined in PJM Manual 14E
- Any Controllable A.C. (alternating current) Merchant Transmission Facilities that employ technology that PJM reviews and verifies will permit control of the amount and/or direction of power flow on such facilities to such extent to effectively enable the controllable facilities to be operated as if they were direct current Transmission Facilities.
Problem Description

- Transmission developers are interested in building A.C. Merchant Transmission Facilities that will interconnect with future generation.
Current Process

• Transmission developers submit an Attachment S request for the A.C. Transmission Facility
  – Cannot request transmission injection rights (TIRs) or transmission withdrawal rights (TWRs)

• PJM evaluates the project as a radial transmission line with no load or generation at the opposite end.

• Interconnection studies capture the scope and cost to connect the radial line to an existing TO facility.
Transmission Developer Request of PJM Process

• Allow Interconnection Customers to request Capacity Interconnection Rights (CIRs) or equivalent under the Attachment S

• PJM would study the impacts of the anticipated injection on the transmission system

• Interconnection Studies would capture the scope and cost to connect the radial line to an existing TO facility **AND** the scope and cost of required Network Upgrades.

• Allow flexibility to connect the transmission facilities together for an “ocean grid”
Problem Statement Proposed Approach

Phase 1
• Consider process change to allow Interconnection Customers to request Capacity Interconnection Rights for a radial line and identify impacts and required network upgrades

Phase 2
• Consider process changes to allow flexibility for Interconnection Customers to connect the transmission facilities together for an “ocean grid”
Review Plan

- First read Problem Statement – Jan 2019
- Endorsement of Problem Statement – Feb 2019

Phase 1
- Education on current process – March 2019
- Explore options – April through June 2019
- Seek PC endorsement Phase 1 changes – July 2019 PC

Phase 2
- Start TBD based on Phase 1 progress

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February 1, 2019 – minor edits to slides 4 and 6.