



# PJM Offshore Wind Studies

Aaron Berner  
Sr. Manager, Transmission Planning

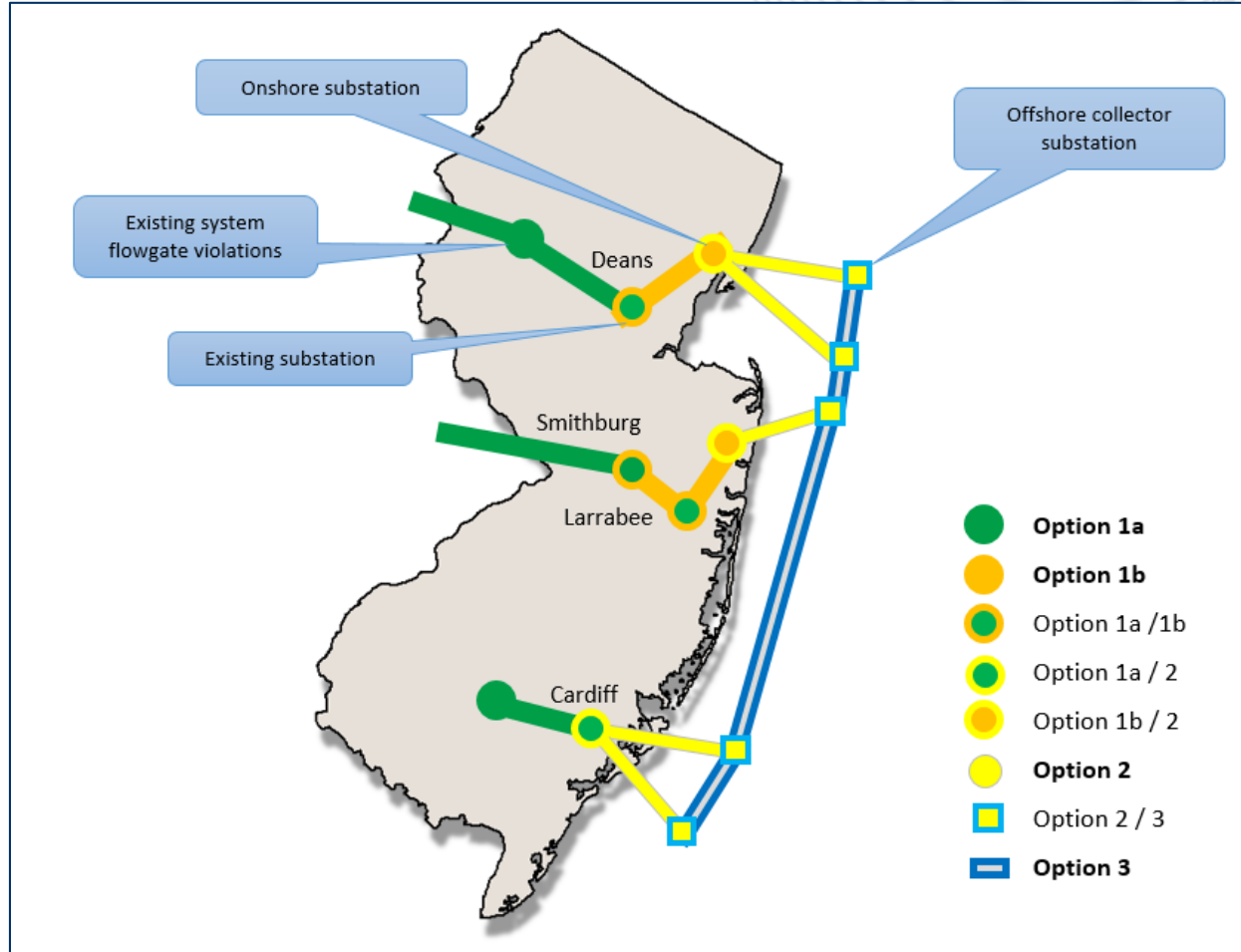
- PJM continues to study Queue requests which are being received
  - As of 5/3/2021 ~ 20GW
- NJ State Agreement Approach (SAA) Window
- Offshore Transmission Studies (OPSI)



# 2021 SAA Proposal Window to Support NJ OSW

- PJM is soliciting project proposals to build the necessary transmission to meet New Jersey's goal of facilitating the delivery of a total of 7,500 MW of offshore wind through 2035
  - Anticipated Schedule
    - Open Window April 15
    - Close Window August 13

- PJM seeking proposals to address the following options:
  - Option 1a, Onshore Upgrades on Existing Facilities
  - Option 1b, Onshore New Transmission Connection Facilities
  - Option 2, Offshore New Transmission Connection Facilities
  - Option 3, Offshore Network



**Note:** Options For the NJ Offshore Wind Transmission Solution (Concepts depicted are for illustration purposes only; details of new lines and facilities are to be provided in proposals to meet objectives of this solicitation.)



# Offshore Transmission Study Group

*“The purpose of this letter is to follow up on the discussion that occurred at the October 28, 2019, Board to Board meeting in Baltimore. The discussion was spurred by an agenda item that included integrating renewables, with questions presented for discussion centering on how offshore wind projects are being analyzed.....*

*.....OPSI would expect PJM to be actively engaged with the States by facilitating information exchange and conducting analyses and modeling studies as requested on an on-going basis. As changes in the energy landscape are occurring and state policies evolve, we support close interaction between States and PJM in these areas.”*

December 13, 2019 OPSI Letter to PJM Board of Managers



- Began meeting in October 2020 as an independent effort between PJM and interested state agencies
- Goal is to analyze and identify regional transmission solutions to accommodate the coastal states' offshore wind goals
- PJM collaboration with states to determine initial scenarios to model
  - Five group sessions in 2020
  - Additional one-on-one meetings between PJM and state staff

- PJM will study up to ten scenarios as requested by the PJM states
- Scenario categories incorporate:
  - Offshore wind injections
    - Magnitude, points of interconnection, timing
    - Announced and planned offshore wind projects
  - Generator deactivations
  - States' clean energy policy goals

- PJM and the states identified six scenarios to model as part of the study's initial analysis
- Based on the initial study findings and feedback from the States, PJM may study additional scenarios
- PJM will present results of the scenario studies when completed, which is anticipated in the second half of 2021.

SME/Presenter:  
Aaron Berner,  
Aaron.Berner@pjm.com



### Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com