New Jersey Offshore Wind
Transmission and Technical Considerations

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Offshore Wind Requests in the PJM Queue
Distance to Backbone Grid

500 kV Substations
- 40 miles
- 20 miles
- 25 miles

230 kV Substations
- 15 miles
- 10 miles
Stand-Alone Generation vs. Ocean Grid

**Stand-Alone Generation**
- Single offshore generation facility connected to a single point on the transmission system
- Generation developer responsible to build line connecting offshore generation to the onshore transmission facility

**Ocean Grid**
- Offshore transmission system
- Connections to multiple points on the on-shore existing transmission system
- Can support multiple offshore generation facilities
- Ocean grid developer responsible to construct offshore transmission
- Generator developers responsible to connect to ocean grid facilities