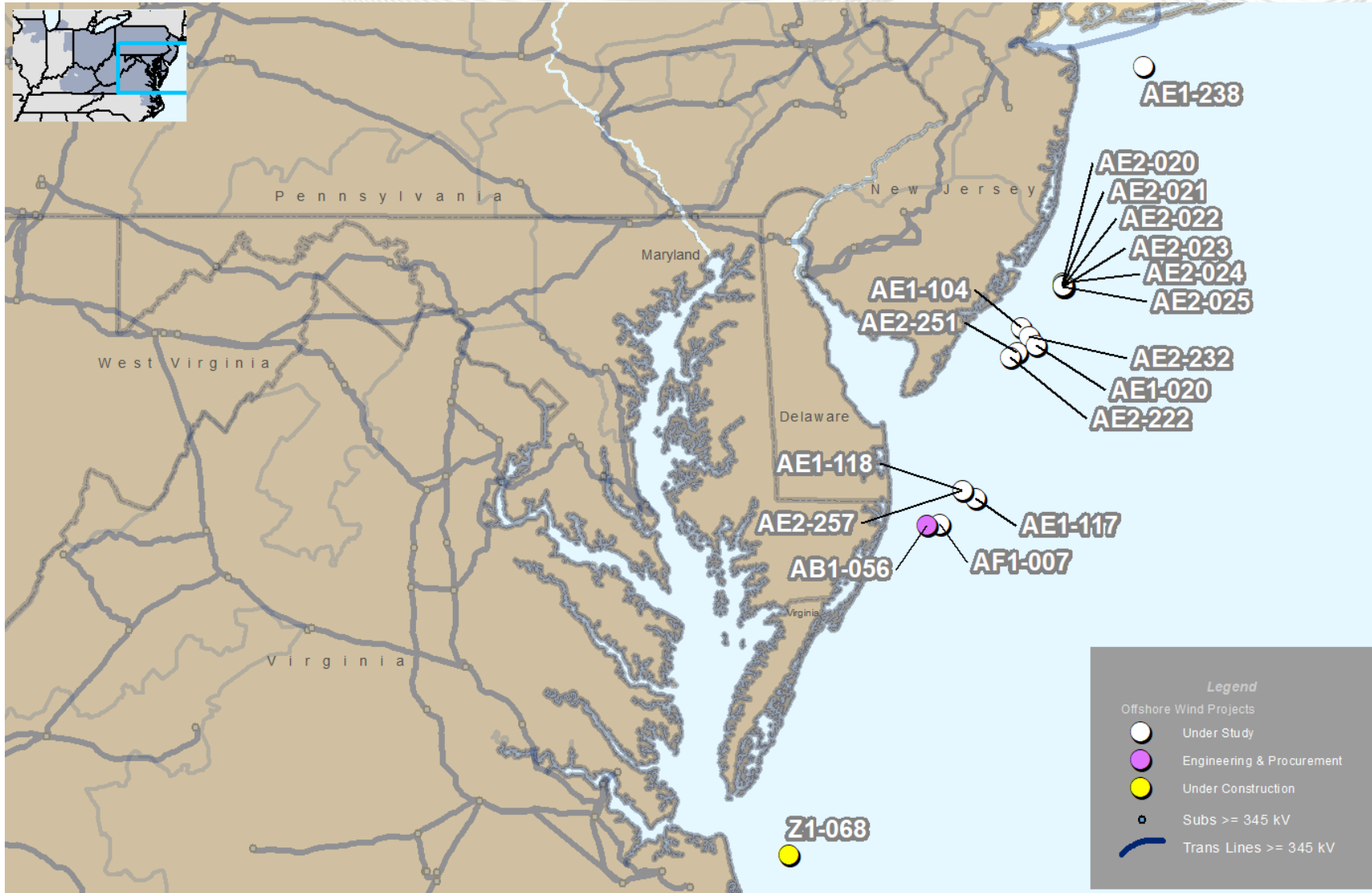




# New Jersey Offshore Wind Transmission and Technical Considerations

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November 12, 2019

# Offshore Wind Requests in the PJM Queue



## 500 kV Substations

25 miles

20 miles

40 miles

- Subs  $\geq$  345 kV
- Trans Lines  $\geq$  345 kV
- Planning Areas
- Lease Areas

## 230 kV Substations

10 miles

15 miles

- Subs  $\geq$  345 kV
- Trans Lines  $\geq$  345 kV
- ◆ Subs = 230 kV
- Trans Lines = 230 kV
- Planning Areas
- Lease Areas

## 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