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BOEM Task Force Meeting New York Bight

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Roadmap for advancing the development of offshore wind in a **cost-effective** and **responsible** manner



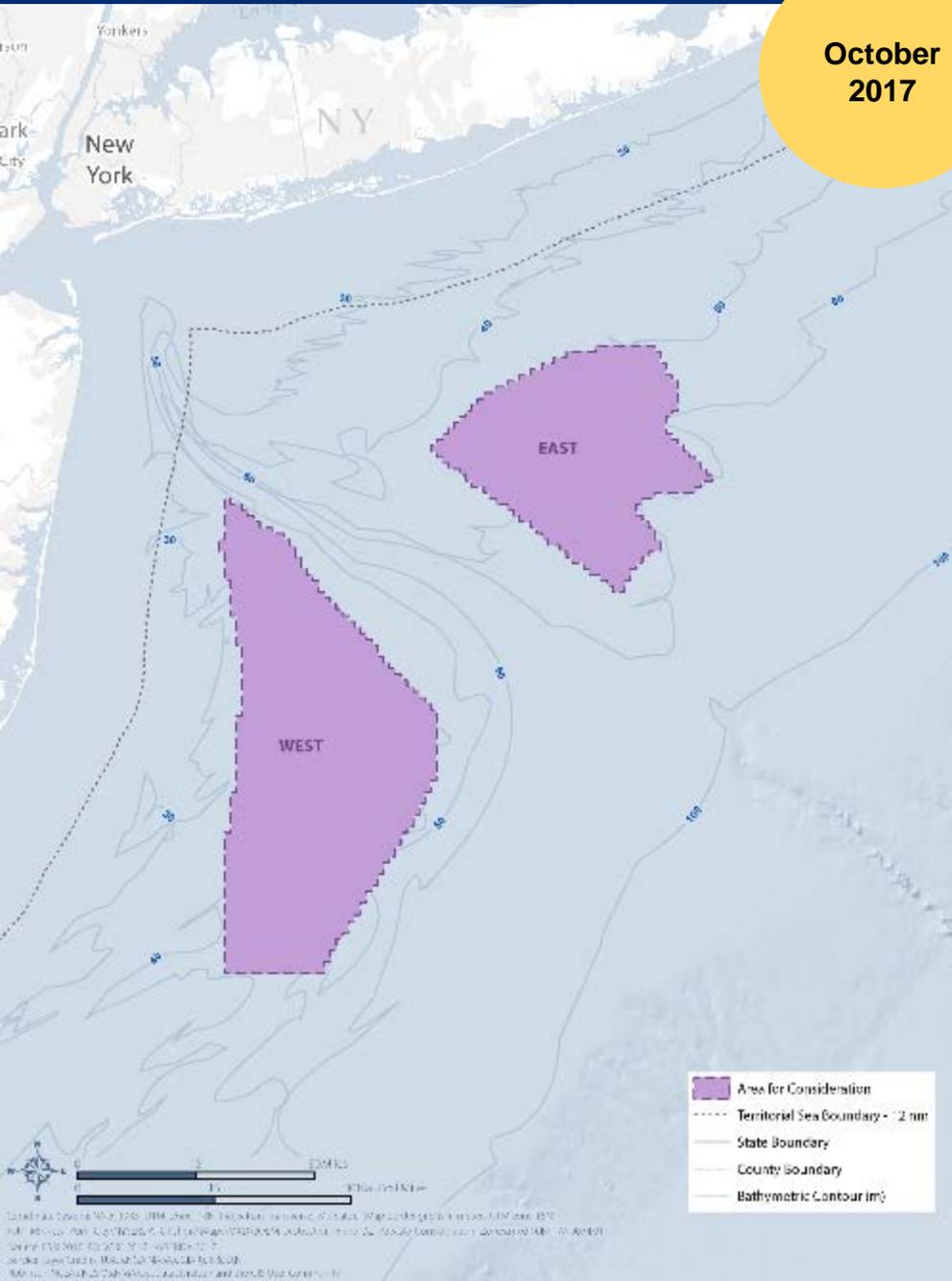
NEW YORK STATE OFFSHORE WIND MASTER PLAN

**Charting a Course to 2,400 Megawatts
of Offshore Wind Energy**

October
2017

Area for Consideration

- New York State requested BOEM to identify and lease at least four new Wind Energy Areas within the Area, ultimately capable of supporting 3,200 MW of offshore wind energy
- Refined from the original offshore study area to account for:
 - Visibility
 - Wake effects
 - Historic properties
 - Construction costs
 - Navigational concerns
 - Interconnection feasibility
 - Submarine cable costs and fishery concerns
 - Fishing industry concerns
 - Marine mammal impacts



Advancing interactions between stakeholders

Environmental



Maritime



Commercial Fishing



Jobs and Supply Chain





New York issued an comprehensive solicitation

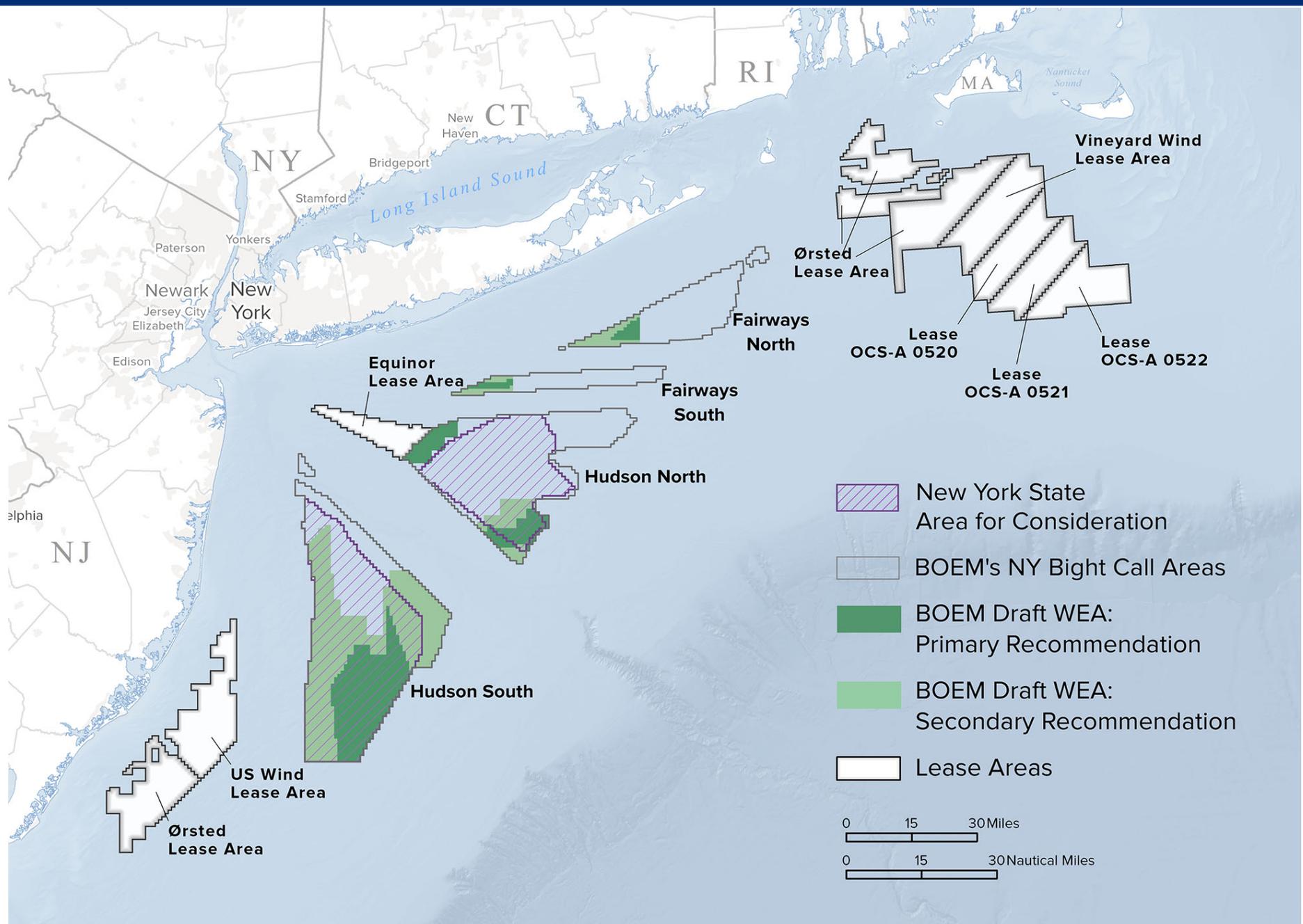
to develop

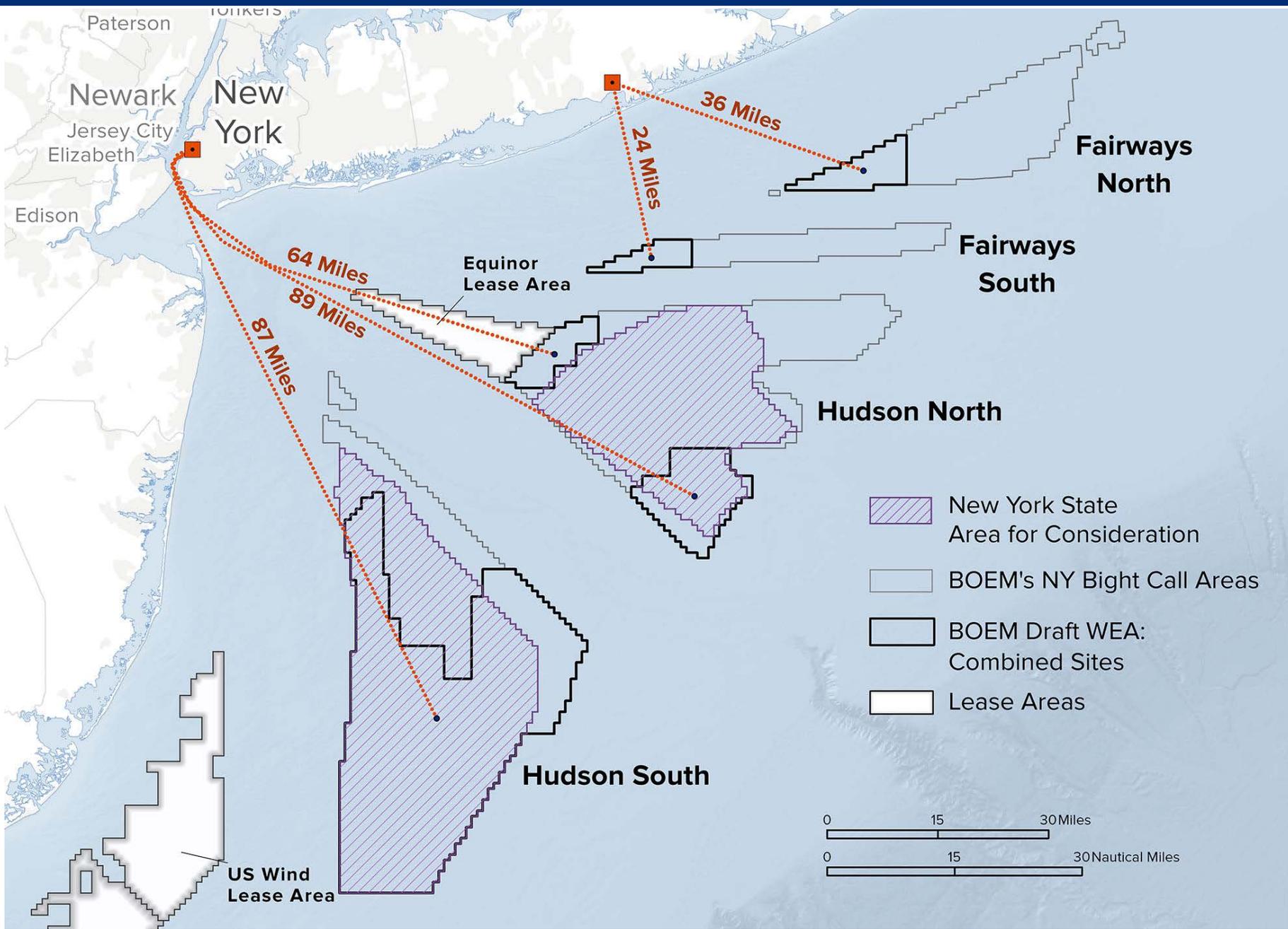
800 MW

or more of
offshore wind

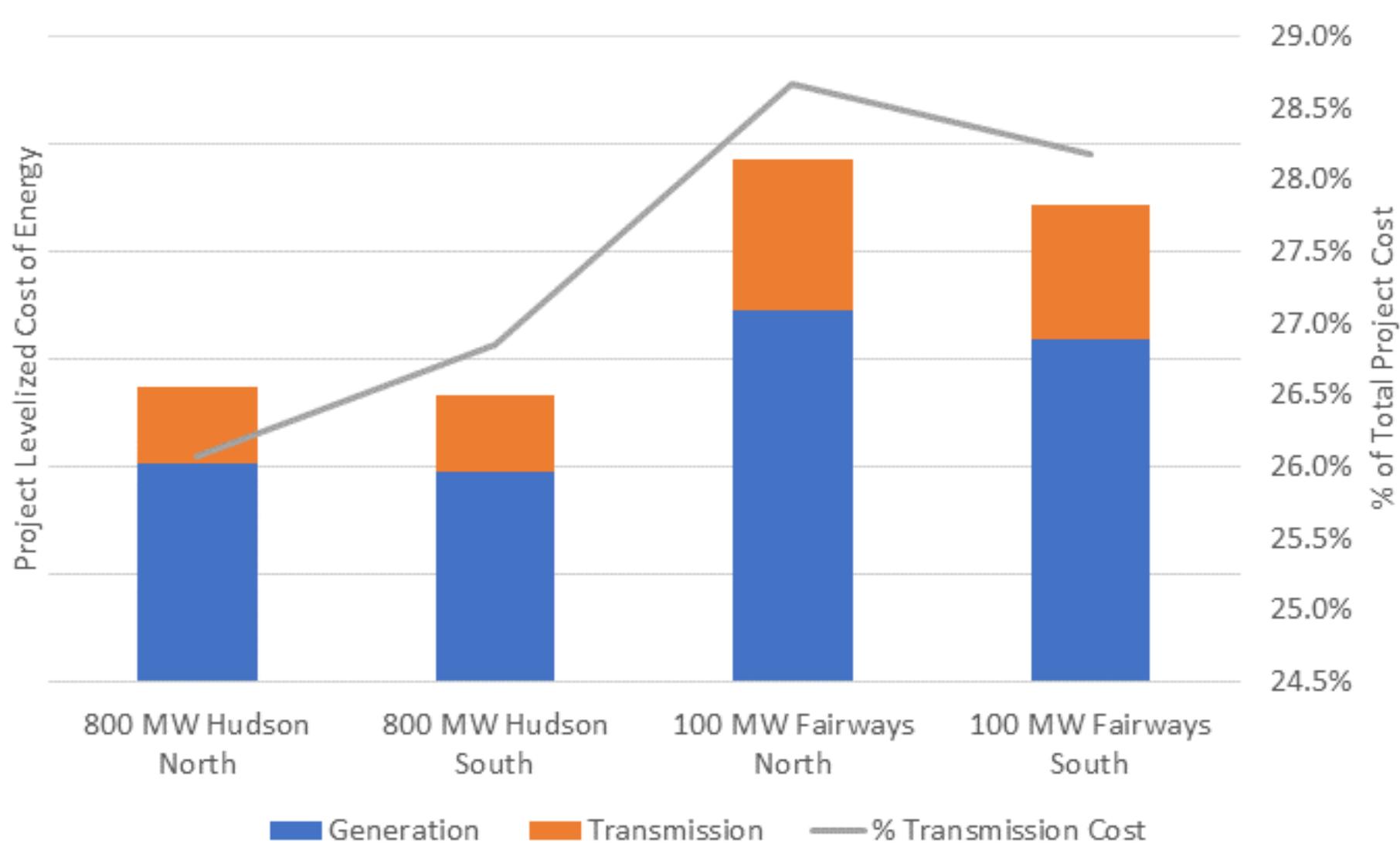


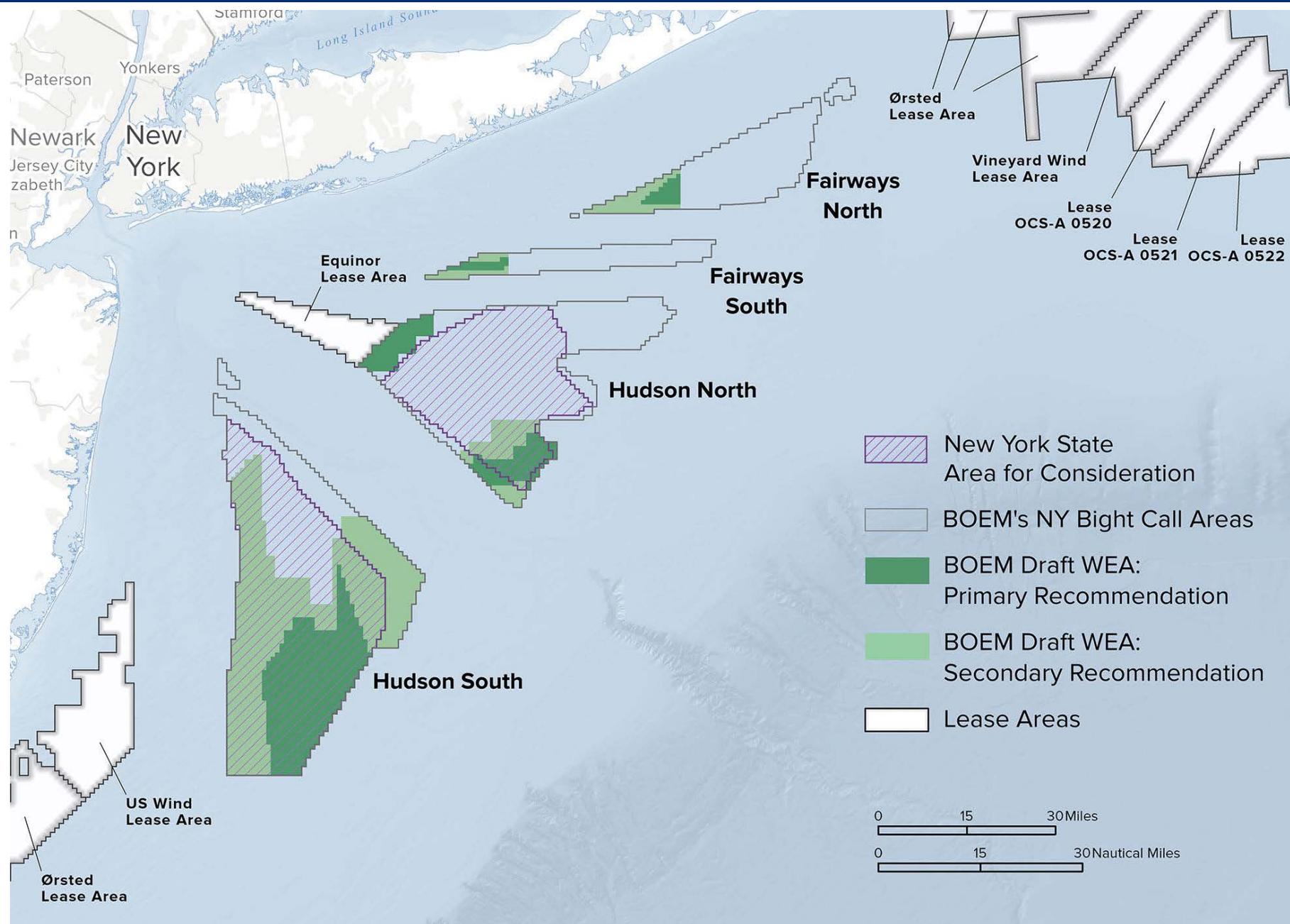
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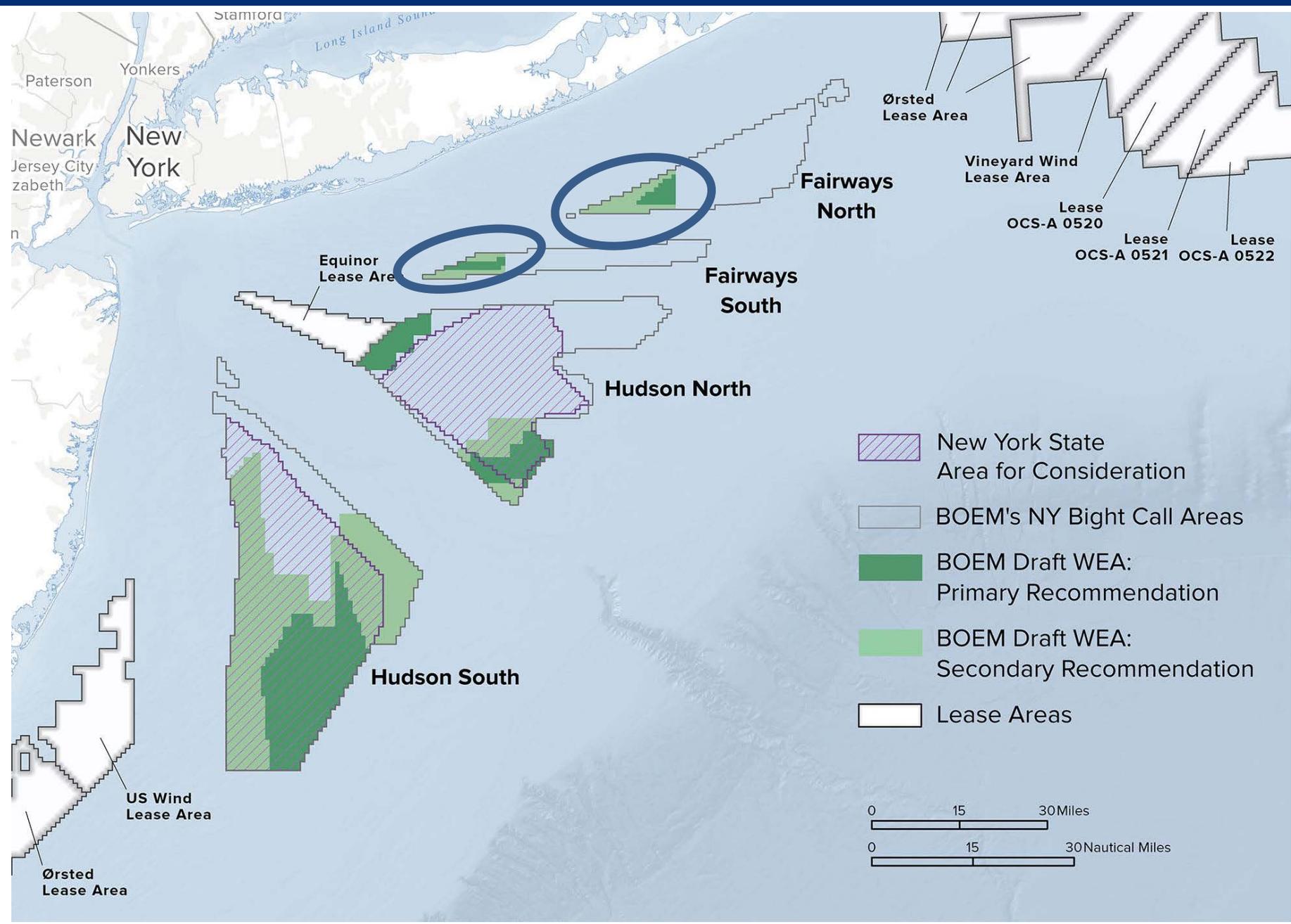


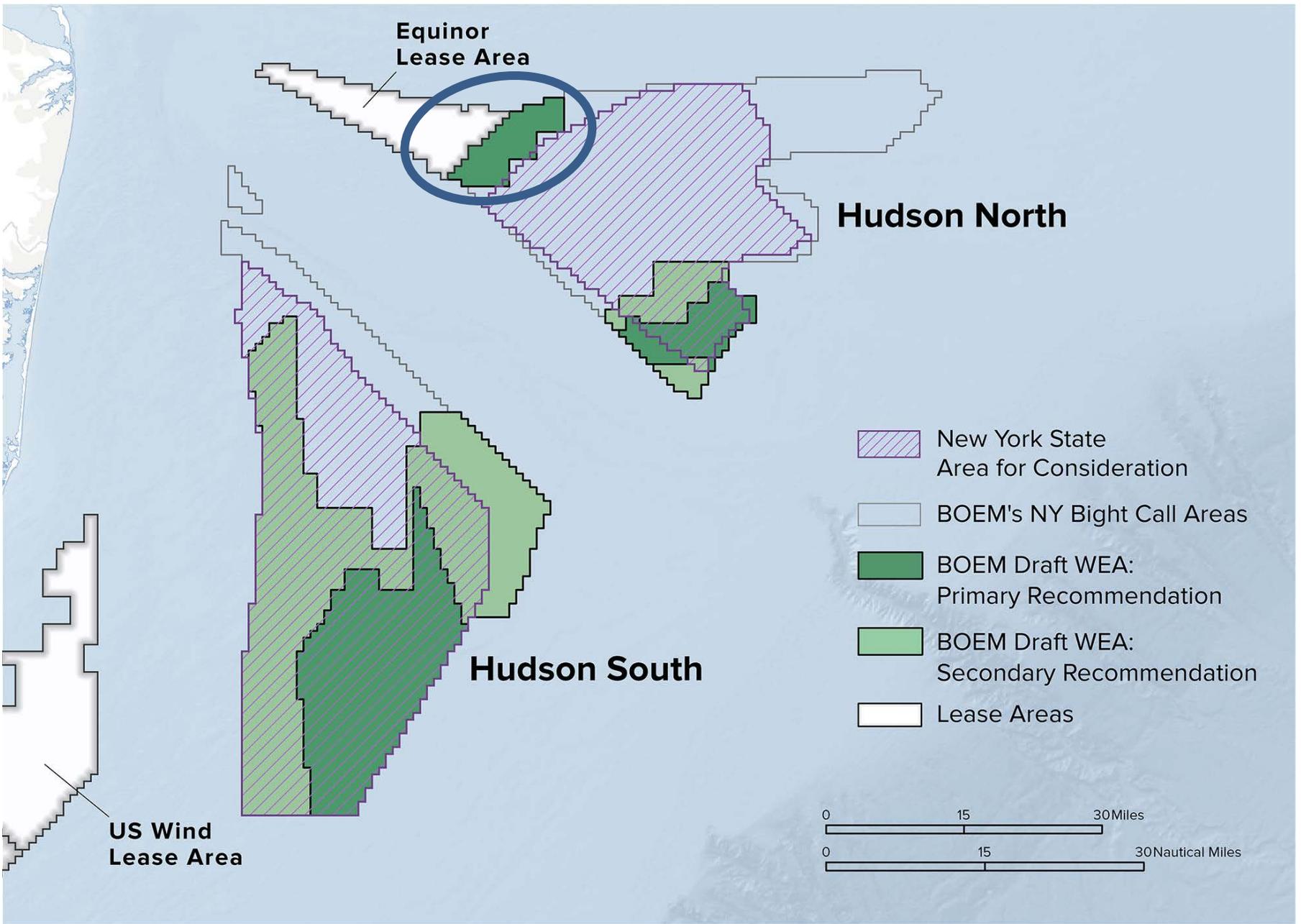


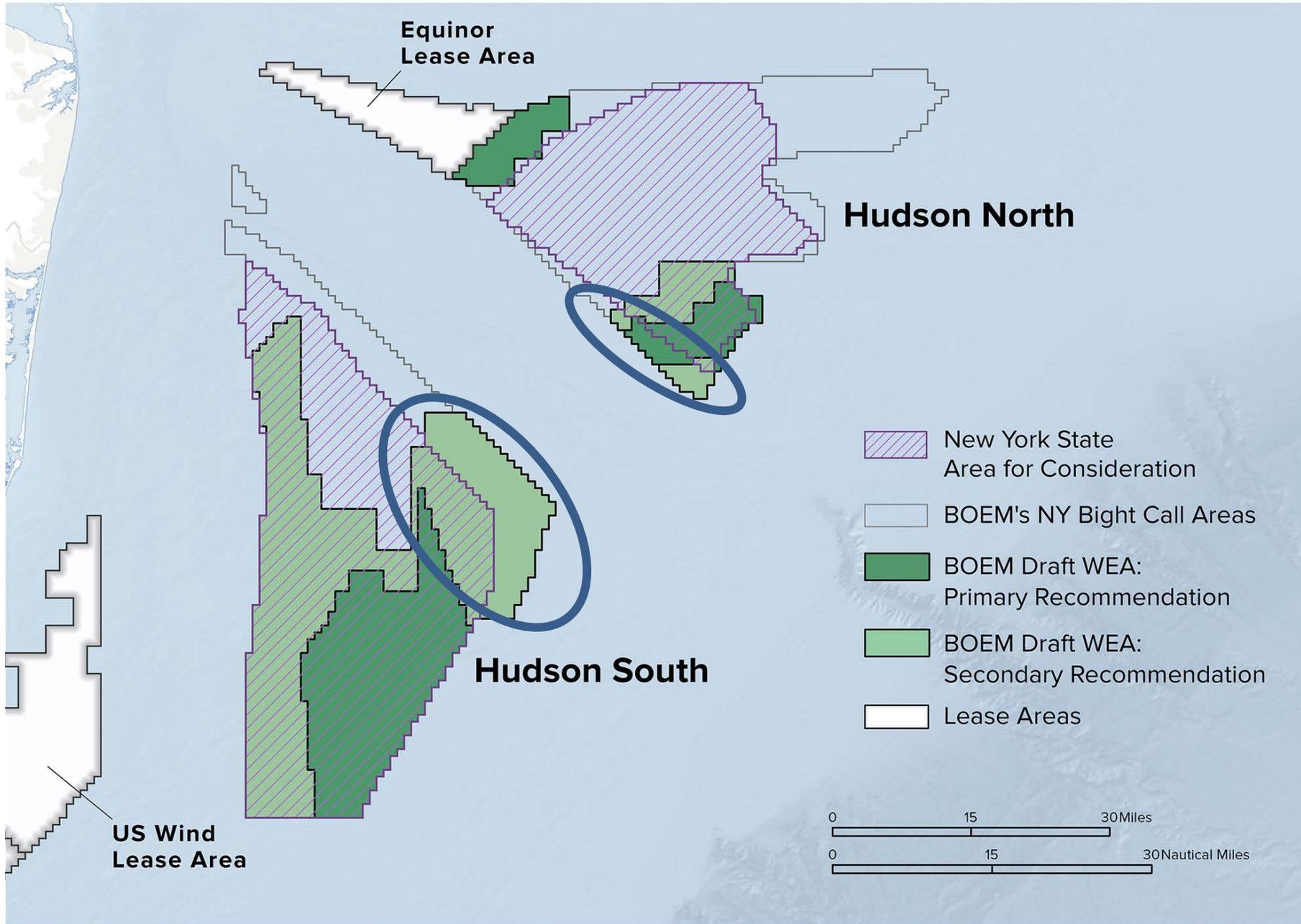
Relative Project Economics

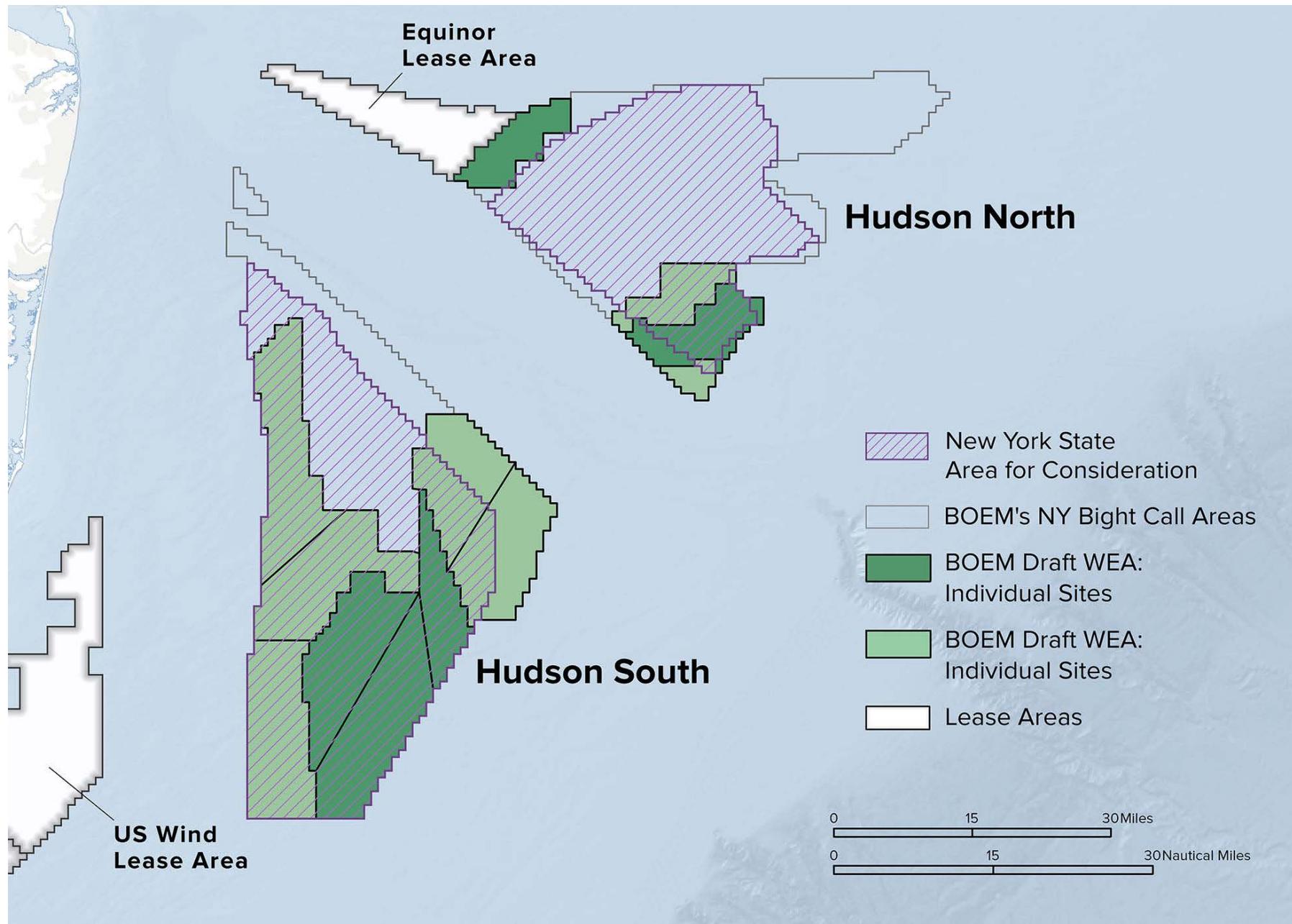






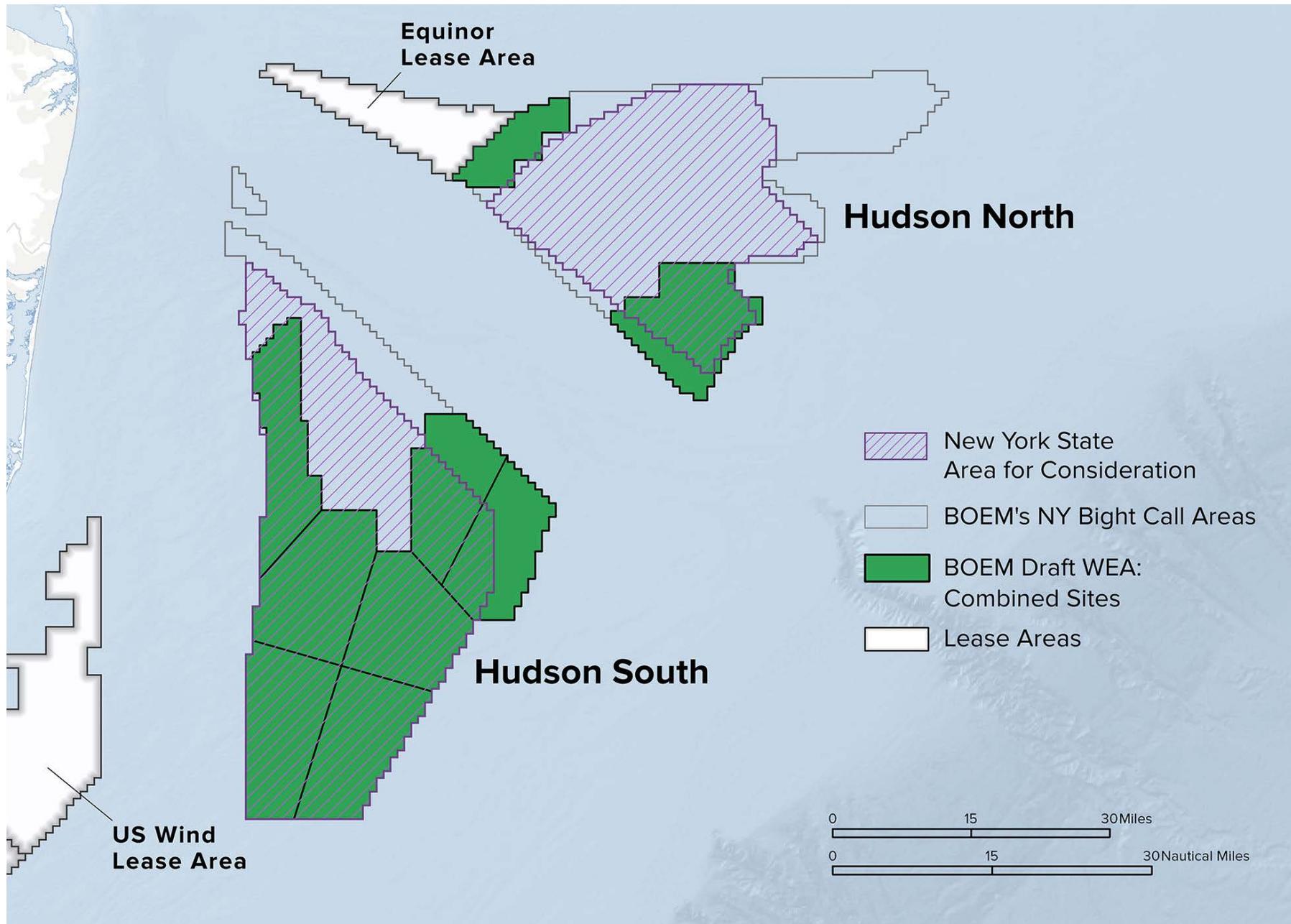






Developing Optimal Lease Areas

- Target capacity of 800 MW, consider areas >400 MW where necessary
- Avoid irregularly shaped sites
- Use an assumed packing factor of 0.01 MW/acre, buffers between sites, transit lanes for fishing vessels, unexploded ordinances etc. can be addressed
- Sites in Hudson South should be defined by balancing 4 cost drivers:
 - wind speed
 - water depth
 - wake effects
 - distance from shore



Summary - New York State Recommendation

- Remove the Fairways North and Fairways South draft areas
- Discuss areas outside Area for Consideration with stakeholders
- Convert all remaining Primary and Secondary areas to the Wind Energy Area
- Delineate and lease all areas within the Wind Energy Area in 2019 such that they:
 - Make the best use of the space
 - Maximize competition
 - Minimize development costs
 - Consider transit for fishing and other maritime users prior to leasing.
- Total leased acreage in the New York/New Jersey area should be sufficient to competitively meet the region's nation-leading demand

Questions?

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