



# Proposed Study

## Microclimate Formation within Wind Turbine Arrays on the Atlantic OCS

Address concerns raised by the public about the formation of a microclimate within a wind turbine facility and the consequences to the environment

**BOEM Renewable Energy Program**



- Commercial wind facilities could have 100 turbines or more in a relatively small area of the OCS.
- The installation of these turbines could result in localized changes in the microclimate of the area, potentially resulting in fog or “sea smoke.”
- A desk top study is proposed to evaluate the microclimate that could be created by wind turbines.

