Avangrid Renewables

Offshore Wind

Bill White
President & CEO - Offshore

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A LEADING SUSTAINABLE ENERGY COMPANY

EXPERTISE BUILT AS 50% OWNER OF VINEYARD WIND JOINT VENTURE AND PART OF IBERDROLA GROUP’S GLOBAL PORTFOLIO

**50% OWNER VINEYARD WIND**
First commercial offshore wind project in US, delivering power to Massachusetts

**EXPLORING NEW MARKETS**
Team has successfully entered new regions across the country and the world

**800+ EMPLOYEES**
in the US

**USA**
- 800 MW in construction
- 4,500 MW in development

**Europe**
- 1,453 MW operational
- 982 MW in construction
- 6,100 MW in development

**Brazil**
- 9,000 MW in development

**Japan**
- 3,300 MW in development

UNIQUE BLEND OF LOCAL AND GLOBAL EXPERTISE.
VINEYARD WIND RESTRUCTURING

Agreement positions Avangrid as an industry leader

1,204 MW CONTRACTED
Most megawatts awarded in New England owned by any single entity.

OVERVIEW

- **Vineyard Wind 1**: 50% owned project
  - Lead operator
- **Park City Wind**: 100% owned project
- **Commonwealth Wind**: 100% owned proposed project
## Delivering VW 1, PCW & Commonwealth Wind

### Vineyard Wind 1
- **Installed Capacity**: 800 MW
- **Technology**: 62 x 13 MW GE Haliade WTGs
- **Homes Powered**: 400,000
- **COD**: 2024

### Park City Wind
- **Installed Capacity**: 800 or 1200 MW
- **Technology**: TBD 15+ MW WTGs
- **Homes Powered**: 400,000 – 600,000
- **COD**: 2026

### Commonwealth Wind
- **Installed Capacity**: 800 or 1200 MW
- **Technology**: TBD 15+ MW WTGs
- **Homes Powered**: 400,000 – 600,000
- **COD**: 2027
# Kitty Hawk Offshore Wind (VA/NC)

## PROJECT LOCATION

![Project Location Map](image)

## KEY PROPOSAL FACTS

| CAPACITY | 800 MW (Phase 1)  
1,700 MW (Phase 2) |
| FEDERAL LEASE AREA | OCS-A 0508 |
| DISTANCE TO SHORE | 27 miles off N. Carolina |
| 41 miles off Virginia |
| POINT OF INTERCONNECTION | Virginia Beach, VA  
(Phase 1) |
| COMMERCIAL OPERATION DATE | 2026 (Phase 1) |
| OWNERHIP | 100% Avangrid Renewables |

## KEY MILESTONES

| PENDING | PPA  
Federal permits filed |
| DECEMBER 2020 | Q3/Q4 2023  
Federal permit approval and financial close |
| 2026 | Commercial operation |

Anticipated federal approval in 2023
Thank you