

OCS-A  
0501



MASS  
USA

# VINEYARD WIND



# PROJECT BENEFITS

## Reduced Emissions

- Reduction of ISO NE CO<sub>2</sub> emissions by approximately **1,630,000 tons per year (tpy)**
- Equivalent of removing approximately **325,000 automobiles**
- Reduces nitrogen oxides (NOx) emissions across the New England grid by **~1,050 tpy**
- SO<sub>2</sub> emissions by **860 tpy**

## Reduced Electricity Costs

- Total net savings **~\$1.4 billion** to electricity customers over the life of the contract
- Total energy economic benefits of **~\$3.7 billion**

## Peak generation coincides with peak heating (natural gas usage)

- Reduces use of dirtiest “peaker” plants
- Reduces price spikes resulting from natural gas supply constraints

## Sets stage for rapid, large scale deployment of offshore wind

## Centers offshore wind industry in southern New England

- Large project attracting European companies to region
- 3600 jobs for this first project





How it all comes together...

<https://www.youtube.com/watch?v=zUQifpcGTrg>

## Height adjustments

blades can be tilted, pitched and yawed by several degrees



2:50 / 4:07



# CAREERS

- Business Management and Accounting
- Communications
- Environmental Planning
- Public Affairs
- Public Policy
- Municipal Government
- Legal
- Project Management
- Marine Science
- Fisheries
- Coastal Ecology



# CAREERS

- Electrical Engineering
- Civil Engineering
- Structural Engineering
- Geology
- Port Design and Operations
- Construction Management
- Marine Engineering
- Health and Safety
- Logistics
- GIS



# QUESTIONS?



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