Downeast Wind

Vital Statistics

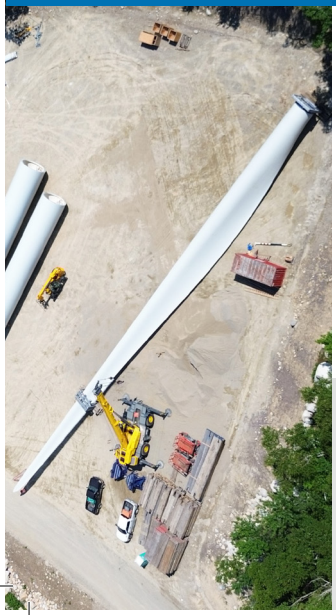
- Generating Capacity: **126 MW**
- Turbine Model: **Vestas V150 4.2 MW**
- Number of Turbines: **30**
- Tower (Hub) Height: **390 ft**
- Total (Tip) Height: **656 ft**
- Rotor Diameter: **492 ft**
- Required Wind Speed for Operations: **3.0 m/s (~7 mph)**
- Top Speed: **12 RPM**
- Nacelle weight: **286,601 lbs**
- Tower Section Weight (per section): **Up to 187,000 lbs**

DID YOU KNOW?

The average Downeast Wind turbine will generate enough energy to offset the energy used to construct it in less than 8 months. Over its lifetime, each wind turbine will generate 20–30 times more energy than was used to manufacture, install, and operate it.*

** Source: Vestas, (2022). Life Cycle Assessment of Electricity Production from an onshore V150-4.2 MW Wind Plant – 21st June 2022. Vestas Wind Systems.*

About the Blade



- Total number of blades in project: **90**
- Length: **242 ft**
- Weight: **51,441 lbs**
- Swept area: **190,209 ft² (over 4 acres)**
- Full feathering of blade pitch for aerodynamic braking
- Trailing-edge serrations on blade to reduce noise

Example of trailing edge serrations on a blade

Downeast Wind

Vital Statistics

126 MW

of clean, homegrown, Maine energy

About $20 million

in new local revenue for Washington County and the Town of Columbia

314,487 tons

of carbon pollution displaced per year–the equivalent of keeping 314,420,343 pounds of coal in the ground

Over 250 workers

employed during construction, 75% of whom were Maine residents

Over $100 million

spent with Maine businesses and contractors

10 billion

gallons of water withdrawls avoided compared to coal power generation

DOWNEAST WIND

downeastwindfarm.com