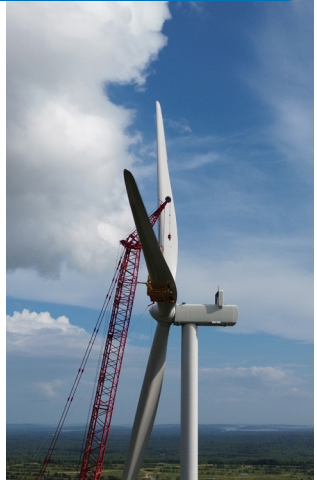


Downeast Wind

Vital Statistics

- Generating Capacity: **126 MW**
- Turbine Model: **Vestas V150 4.2 MW**
- Number of Turbines: **30**
- Tower (Hub) Height: **345 ft**
- Total (Tip) Height: **656 ft**
- Rotor Diameter: **410 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 200 workers

employed during construction



Over \$25 million

spent with Maine businesses
and contractors



10 billion

gallons of water withdrawals
avoided compared to coal power
generation



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