

Timbermill Wind

Vital Statistics

- Generating Capacity: **189 MW**
- Turbine Model: **Vestas V150 4.2 MW**
- Number of Turbines: **45**
- Tower (Hub) Height: **345 ft**
- Total (Tip) Height: **591 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 Timbermill 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: **135**
- Length: **242 ft**
- Weight: **55,115 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



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189 MW

of clean, homegrown, North Carolina energy



About \$33 million

in taxes paid over the project's lifetime, making it Chowan County's largest taxpayer



235,867 tons

of carbon pollution displaced per year—the equivalent of keeping 235,817,052 pounds of coal in the ground



Over 200 workers

employed during construction



Over \$25 million

spent with North Carolina businesses and contractors



10 billion

gallons of water withdrawals avoided



timbermillwind.com