

# BLOOM WIND FACT SHEET

**Name:** Bloom Wind

**Location:** Ford and Clark Counties, Kansas, U.S.

**Date commissioned:** June 1, 2017

**Owned capacity:** 178-MW

**% Owned/Operated:** 100/100



Bloom Wind, a 178-megawatt wind farm is located on privately-owned lands within one of the strongest wind regimes in the U.S., the average wind speed is over 9 meters per second.

## Bloom Wind

- Bloom Wind will generate enough electricity to power approximately 54,000 Kansas households with clean energy each year.
- The project's location in southwestern Kansas is positioned within one of the strongest wind regimes in the U.S. with an average wind speed exceeding more than nine meters per second, which is optimal for wind power production.
- Construction of Bloom Wind began in the third quarter of 2016 and was completed on budget and one month ahead of schedule.
- Approximately 264,000 person hours were required to construct the project with a peak of 228 workers on site.
- The 178-megawatt (MW) wind farm consists of 54 Vestas V117 3.3-MW turbines. The turbine's hub height is 91.5 meters with a rotor diameter of 117 meters.
- The project is located on 15,000 acres of privately-owned lands approximately 20 miles south of Dodge City in Ford and Clark Counties in southwestern Kansas.
- Capital Power will own and operate the facility and Vestas will provide maintenance for the facility.
- Bloom Wind is the first project to utilize Vestas V-117-3.3 turbine technology in Kansas.
- Capital Power operates Bloom Wind and has contracted 100% of the facility's output to a subsidiary of Allianz, a large European insurer (rated AA- stable by Standard & Poors) under a 10-year financial swap contract. Under the contract, Capital Power will receive fixed annual payments in lieu of the floating nodal energy price (Nodal Pricing is a method of determining prices in which market clearing prices are calculated for a number of locations on the transmission grid called nodes) over a 10-year term. The 10-year agreement will secure long-term predictable revenues for the renewable energy facility.
- In March 2016, infrastructure journal and project finance magazine, IJGlobal, recognized Bloom Wind as the North American Wind Deal of the Year for the use of the innovative swap agreement.
- In Nov. 2016, Microsoft Corp. became the first buyer to participate in this structure, acquiring the environmental attributes connected to Bloom Wind from ART for a 10-year period. The combined output from Bloom and a Wyoming wind farm will produce enough energy on an annual basis to cover the annual energy used at Microsoft's Cheyenne, Wyoming, datacenter.
- The Project interconnects to the 345 kV Clark County Substation where it will be transmitted by ITC Great Plains.

