

Minnkota Power Cooperative

Wind Assets

Infinity Wind Turbines

Location:

Valley City and Petersburg

Size:

Two 900-kW turbines

Tower height:

230 feet

Total weight:

130 tons

Tower weight:

93 tons

Generator weight:

25 tons

Blade weight:

4 tons per blade

Blade length:

85 feet

Start-up date:

2002

Ashtabula Wind Energy Center

Location:

15 miles northeast of Valley City

Size:

366 megawatts (MW)

Minnkota portion:

217.5 MW

Otter Tail portion:

97.5 MW

Great River Energy portion:

51 MW

Turbines:

244 turbines, 1.5 MW each

Towers:

~250 feet to center of hub

Blades:

Variable pitch 120 feet long

Start-up date:

2008/2009

Langdon Wind Energy Center

Location:

9 miles south of Langdon

Size:

199.5 megawatts (MW)

Minnkota portion:

139.5 MW

Otter Tail portion:

60 MW

Turbines:

133 turbines, 1.5 MW each

Towers:

~250 feet to center of hub

Blades:

Variable pitch 120 feet long

Start-up date:

December 2007

Oliver III Wind Energy Center

Location:

42 miles northwest of Bismarck

Size:

100 megawatts (MW)

Minnkota portion:

100 MW

Turbines:

48 turbines, 1.5 and 2.3 MW each

Towers:

~262 feet to center of hub

Blades:

Variable pitch 186 feet long (average)

Start-up date:

January 2017