

Case Number: PU-22-195

Case Description: Transfer - Certificate #17

Analyst Initials: VS

Original Dollar Value of Investment	140,000,000.00
Application Investment Amount	0.00
<b>Total Investment</b>	<b><u>140,000,000.00</u></b>

Note: Email from company or docketed case files must be attached as support for Total Investment Amount

Siting Application Fee	10,000.00	PSC Accounting use only:	
Siting Admin Fee*	14,000.00	7800 - 301 - 420260	JE: <u>2264198</u>
<b>Total Fees Due</b>	<b><u>24,000.00</u></b>	1400 - 510 - 464160	JE: <u>2264201</u>

**Siting Admin Fee:**

\* For new or transfer siting applications only. Not amendments.

\*Per NDCC 49.22.1-21 & 49-22-22, \$100 for each \$1 million of original investment, not to exceed \$25,000

**Siting Application Fee:**

Per NDCC 49.22.1-21 & 49-22-22, For a certificate of site compatibility, \$500 for each \$1 M of investment in the facility. Not less than \$10k or more than \$100k.

Per NDCC 49.22.1-21 & 49-22-22, For a certificate of corridor compatibility, \$5,000 for each \$1 M of investment in the facility. Not less than \$10k or more than \$100k.

Per NDCC 49.22.1-21 & 49-22-22, For an amendment, amount to be determined by commission to cover expenses, discuss with PUD Director.

Excess Application Fee is refundable.

This form will be docketed in the case file after funds have been deposited by PSC Accounting.

at 265,183 MW hours per year.

7. Ashtabula III plans to use General Electric XLE 1.6 MW turbines. These utility-grade wind turbines will have a 262 foot (80 meter) hub height and a 271 foot (82.5 meter) rotor diameter. The turbines begin operation at wind speeds of 7.8 miles per hour (3.5 meters per second) and reach their rated capacity at a wind speed of 28 miles per hour (12.5 meters per second). The turbines are designed to operate in wind speeds of up to 45 miles per hour (20 meters per second).

8. Each turbine will be secured by a concrete foundation that can vary in design depending upon soil conditions. A typical foundation extends seven to ten feet below grade where it spreads to a final diameter of 40 to 60 feet at the base. Turbine lighting is limited to warning lights required by the Federal Aviation Administration (FAA). A control panel inside the base of each turbine tower houses communication and electronic circuitry. Each turbine is equipped with a wind speed and direction sensor that communicates with the turbine's control system to signal when sufficient winds are present for operation. Electricity generated by each turbine is brought to a pad-mounted transformer where the voltage is stepped up to a power collection line voltage of 34.5 kV. Electricity is collected by a series of underground collection lines.

9. The underground collection line feeder system will deliver the electricity to the project substation. At the substation the voltage will be stepped up to 230 kV for transmission via an existing 230 kV transmission line.

10. The site for the wind energy facility was selected based primarily upon its wind resource, accessibility to the existing electric grid, and operational history from the Ashtabula I and Ashtabula II Wind Energy Centers. Ashtabula III utilized wind data from meteorological towers located on the project site. The data indicates that this site is well suited for a wind farm.

11. Construction of the Ashtabula III Wind Energy Center is expected to take approximately five months, at a total estimated cost of \$140,000,000.00.

12. Ashtabula III anticipates commencing construction in mid August 2010. Testing and operations are to begin in late fall or early winter of 2010, and commercial operations are anticipated to begin in December 2010.

13. An Engineering, Procurement, and Construction (EPC) contractor will be retained for construction management of the project. The EPC contractor will use services of local contractors, where possible, to assist in project construction.

14. Safety factors will be incorporated into the wind turbines. Each turbine will be equipped with Supervisory Control and Data Acquisitions (SCADA) communication technology to control and monitor the turbines. In addition, each turbine is also equipped with a lightning protection system and is grounded and shielded to protect against lightning.