

Subsurface Constructors

Ground Improvement

Laurel/Rolling Hills Wind Farm



Together, the Rolling Hills Wind Farm in Massena, Iowa and the nearby Laurel Wind Farm provide more than 550 megawatts of power and are some of the largest single-phase wind farms in the U.S. Subsurface Constructors installed 7,800 [vibro stone columns](#) across a massive, sprawling area to deliver a maximum bearing pressure of 2,500 pounds per square foot. The site consists of loess underlain by deep glacial till with a depth range of 5 to 30 feet

Project details:

Owner: MidAmerican Energy

Geotechnical Engineer: Barr Engineering

General Contractor: M.A. Mortenson

Structural Engineer: Barr Engineering

Services Provided: Ground improvement, stone columns

Year: 2011

Location: Massena, Iowa