

# IOWA: Turtle Creek



Turtle Creek Wind Farm is located in northeastern Iowa, 25 miles northeast of Mason City and approximately 110 miles southeast of Minneapolis. Located in Mitchell County, the wind farm complements the area's robust crop production and provides local agricultural producers with a stable revenue stream in the form of landowner lease payments.



**199.2 MW**

ONLINE SINCE 2019



Turtle Creek Wind Farm produces enough electricity to power more than **57,000** Iowa homes.<sup>1</sup>

## Economic Benefits



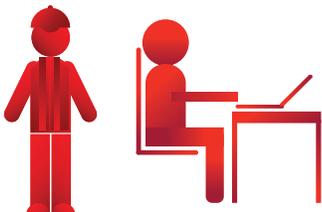
Turtle Creek represents a capital investment of approximately **\$278 million**.<sup>2</sup>



Millions of dollars in payments to local governments through the life of the project.



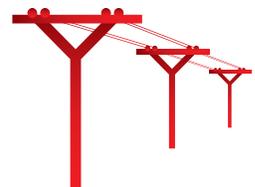
More than **\$970,000** paid to local landowners through 2019.



Created **200** full-time equivalent jobs during construction and **15** permanent jobs during the life of the project.<sup>3</sup>



**\$3.8 million** spent within 50 miles of the wind farm through 2019.<sup>4</sup>



Power generated at Turtle Creek supports the nation's electric grid.<sup>5</sup>

# Turbine Technology



Turtle Creek Wind Farm consists of 40 Vestas V136 3.6 MW wind turbines and 16 Vestas V136 3.45 MW wind turbines.

## About Us

EDP Renewables North America LLC (EDPR NA) and its subsidiaries develop, construct, own, and operate wind farms and solar parks throughout North America. Headquartered in Houston, Texas, with 52 wind farms, eight solar parks, and seven regional offices across North America, EDPR NA has developed more than 7,300 megawatts (MW) and operates more than 7,000 MW of renewable energy projects. With more than 700 employees, EDPR NA's highly qualified team has a proven capacity to execute projects across the continent.

EDPR NA is owned by EDP Renováveis, S.A. (EDP Renewables or EDPR), a global leader in the renewable energy sector and the world's fourth-largest wind energy producer. With a sound development pipeline, first-class assets, and market-leading operating capacity, EDPR has undergone exceptional development in recent years and is currently present in 14 markets (Belgium, Brazil, Canada, Colombia, France, Greece, Italy, Mexico, Poland, Portugal, Romania, Spain, the United Kingdom, and the United States). Energias de Portugal, S.A. ("EDP"), the principal shareholder of EDPR, is a global energy company and a leader in value creation, innovation, and sustainability. EDP has been included in the Dow Jones Sustainability Index for 13 consecutive years.

For more information, visit  
[www.edpr.com](http://www.edpr.com) or [www.edprnorthamerica.com](http://www.edprnorthamerica.com)

<sup>1</sup>Power generation calculated using a 35% capacity factor for wind based on [2019 AWEA Wind Powers America Annual Report](#). Household consumption based on the [2018 EIA Household Data monthly average consumption by state](#).

<sup>2</sup>Assumes the average cost of an installed wind farm is \$1.4 million/MW for projects built in 2018. Based on [U.S. DOE 2018 Wind Technologies Market Report](#).

<sup>3</sup>Full-time equivalent jobs calculated by dividing number of contractor hours worked during construction by 2080.

<sup>4</sup>Includes vendor spending, property taxes, landowner payments, and wages from site jobs. These numbers are presented for example purposes only, and actual payments may vary.

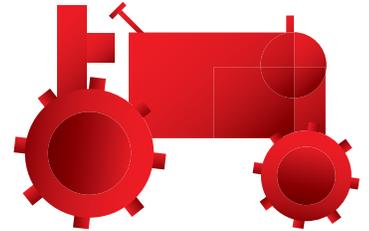
<sup>5</sup>Offtakers privately purchase clean energy from Turtle Creek Wind Farm.

<sup>6</sup>Assumes 0.58 gallons of water consumed per kWh of conventional electricity from [Lee, Han, & Elgowainy, 2016](#).

<sup>7</sup>Based on [2019 AWEA Wind Powers America Annual Report](#).



Turtle Creek Wind Farm saves more than **354 million** gallons of water each year.<sup>6</sup>



Turtle Creek Wind Farm is compatible with other land uses.



**POWERING THE USA**  
Wind is the top renewable energy source in the U.S., supplying 7 percent of all electricity.<sup>7</sup>



Turtle Creek Wind Farm provides energy security and helps diversify supply.



**renewables**

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