



# Sharp Hills Wind Farm

Special Areas 3 & 4, Alberta

Sharp Hills Wind Farm is located in Special Area 3 and 4 near the Sedalia and New Bridgen hamlets. The Sharp Hills were named by early surveyors who used them as a reference point for the surrounding area. The project area is primarily used for grain farming and cattle grazing, consisting of flat plains and rolling hills.



**297 MW**

ONLINE SINCE **2023**



Sharp Hills Wind Farm's generation is equivalent to the consumption of more than **160,000 Alberta homes**.<sup>1</sup>



Sharp Hills saves more than **2 billion litres** of water each year and prevents the air pollution that causes smog, acid rain, and climate change.<sup>2</sup>

## Economic benefits



CAPITAL INVESTMENT<sup>3</sup>  
**\$600+ million (CAD)**



**\$3.7 million (CAD)**  
PAID TO LOCAL GOVERNMENTS



**\$3.7 million (CAD)**  
PAID TO LANDOWNERS



**Millions of dollars**  
SPENT LOCALLY<sup>4</sup>



PERMANENT JOBS<sup>5</sup>  
**7 jobs created**



CONSTRUCTION JOBS<sup>5</sup>  
**414 jobs created**

## About us

EDP Renewables North America LLC (EDPR NA), its affiliates, and its subsidiaries develop, construct, own, and operate wind farms, solar parks, and energy storage systems throughout North America. Headquartered in Houston, Texas, with 60 wind farms, 12 solar parks, and eight regional offices across North America, EDPR NA has developed more than 9,600 megawatts (MW) and operates more than 8,900 MW of onshore utility-scale renewable energy projects. With more than 1,000 employees, EDPR NA's highly qualified team has a proven capacity to execute projects across the continent.

EDPR NA is a wholly owned subsidiary of EDP Renewables (Euronext: EDPR), a global leader in the renewable energy sector. EDPR is a global leader in renewable energy development with a presence in 28 regions in Europe, North America, South America and Asia-Pacific. With headquarters in Madrid and leading regional offices in Houston, São Paulo and Singapore, EDPR has a sound development portfolio of top-level assets and market-leading operating capacity in renewable energies. Particularly worthy of note are onshore wind, distributed and large-scale solar, offshore wind (OW – through a 50/50 joint venture), and technologies to complement renewables such as storage and green hydrogen.

EDPR's employee-centered policies have received recognition such as Top Workplaces 2023 in the USA, Top Employer 2023 in Europe (Spain, Italy, France, Romania, Greece, Portugal and Poland) Colombia and Brazil, and are also included in the Bloomberg Gender-Equality Index.

EDPR is a division of EDP (Euronext: EDP), a leader in the energy transition with a focus on decarbonization. Besides its strong presence in renewables (with EDPR and hydro operations), EDP has an integrated utility presence in Portugal, Spain and Brazil including electricity networks, client solutions and energy management.

EDP – EDPR's main shareholder – has been listed on the Dow Jones Index for 16 consecutive years, recently being named the most sustainable electricity company on the Index.

For more information, visit [www.edpr.com/north-america](http://www.edpr.com/north-america).



Sharp Hills Wind Farm consists of **45 x 4.5MW V150** turbines and **22 x 4.3MW V150** turbines.



**TC Energy will purchase energy** from Sharp Hills Wind Farm.<sup>6</sup>



Sharp Hills **helps strengthen energy security** for Canada, helping diversify domestic supply.



Canada has **318 wind energy projects** producing power across the country.<sup>7</sup>



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<sup>1</sup>Power generation calculated using a 35% capacity factor. Household consumption based on the 2022 EIA Household Data monthly average consumption by state.

<sup>2</sup>Assumes 0.58 gallons of water consumed per kWh of conventional electricity from Lee, Han, & Elgowainy, 2016.

<sup>3</sup>Assumes the average cost of an installed wind farm is \$1.4 million/MW for projects built after 2018. Based on U.S. DOE 2018 Wind Technologies Market Report.

<sup>4</sup>Includes vendor spending, property taxes, landowner payments and wages from site jobs.

<sup>5</sup>Full-time equivalent jobs calculated by dividing number of contractor hours worked during construction by 2080.

<sup>6</sup>Sharp Hills Wind Farm offtakers: TC Energy (PPA).

<sup>7</sup>Canadian Renewable Energy Association, 2023.