



## Hometown WindPower

- Hometown WindPower is an initiative of the Minnesota Municipal Power Agency (MMPA). This project locates turbines within each of our member communities and at MMPA's Faribault Energy Park. Member utilities are in Anoka, Arlington, Brownton, Buffalo, Chaska, East Grand Forks, Le Sueur, North St. Paul, Olivia, Shakopee and Winthrop.
- The turbines generate clean, renewable electricity while helping each local community become more aware of clean and sustainable energy production.
- The power from the turbines goes into each member's local power distribution system. It's locally produced, carbon free and renewable power.
- The Hometown WindPower program reduces the need for power transmission from remote locations, resulting in lower cost to MMPA's member utilities. Power is most efficient when it can be used at the point of generation, rather than being transmitted from many miles away.
- The program was planned by Avant Energy, also the designer and manager of MMPA's Faribault Energy Park facility that opened at full capacity in October of 2007.
- The project was financed through Clean Renewable Energy Bonds, or CREB's. It's a federal government program that makes it possible for municipalities, rural cooperatives and other government entities to obtain low-cost financing for renewable or 'clean' electrical energy generating projects.
- MMPA, founded in 1992, is owned by its member cities and is committed to providing its communities with competitively priced, reliable and sustainable energy. Learn more at [www.mmpa.org](http://www.mmpa.org).

### Turbine Facts

- Each turbine has the capability to produce about 160kW of energy in each hour – enough to power roughly 100 homes.
  - The turbines are smaller than the turbines commonly used in wind farms. The turbine base is 80 feet tall and the blades measure 35 feet in length. At approximately 115 feet tall, they are about the same height of a modest-sized water tower. These turbines are intended to fit within the community landscape.
  - The blades will rotate 1.5 times every 2 seconds when operating at full capacity.
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