

JV6



Joint Venture 6

AMERICAN MUNICIPAL POWER, INC.





Brian O'Connell, PE

*Director of Utilities
City of Bowling Green*

Letter To Participants

The American Municipal Power Wind Farm, Ohio Municipal Electric Generation Agency Joint Venture 6 (OMEGA JV6) had a successful year, continuing to prove a valuable asset to its 10 participating communities. In 2017, OMEGA JV6 generated 12,075 MWh. This was 11 percent above 2016 generation, but 10 percent below the five-year annual production average of approximately 13,428 MWh.

As usual, wind conditions were the primary drivers of wind farm performance. OMEGA JV6 saw its best generation totals in March, April and May, with total generation exceeding 1,395 MWh in each of those months. The most electricity generated in any month came in March, with a total output of 1,430 MWh.

The four OMEGA JV6 wind turbines can run with wind speeds between nine and 65 miles per hour (mph), achieving optimal output at wind speeds of 31.3 mph.

FINANCES

OMEGA JV6 is a debt-free asset. Thanks to sound fiscal management, the project was paid off four years ahead of schedule. Participating communities hold full ownership of the project, making OMEGA JV6 one of the lowest cost resources in their portfolios.


OMEGA JV6 provided approximately \$40,000 in peak-shaving savings to the participants.

MAINTENANCE

AMP performed several routine maintenance and repair projects on OMEGA JV6 in 2017. These included:

- completion of tower bolt tension checks on all unit towers;
- completion of all annual preventive maintenance checks;
- replacement of Unit 2 electronic controller due to a failure;
- upgrade of hub oil collection and drain systems on all units; and
- completion of numerous corrective maintenance items throughout the year.

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OMEGA JV6, formed in 2003, is a cooperative project that operates Ohio's first utility-scale wind farm — the American Municipal Power Wind Farm — adjacent to the Wood County Landfill near Bowling Green, Ohio. Ten AMP member communities receive energy generated from the 7.2-megawatt (MW) capacity installation, which is composed of four 1.8-MW wind turbines. The turbines rest atop 257-foot towers and have blades that extend 132 feet from the turbine casing. Each unit measures nearly 400 feet tall when the blades rotate to their highest point. Thanks to sound fiscal management, the project was paid off four years early. The participating communities have full ownership with no debt.

OMEGA JV6 participants: Bowling Green, Cuyahoga Falls, Edgerton, Elmore, Monroeville, Montpelier, Napoleon, Oberlin, Pioneer and Wadsworth.

2017 financials are available at www.amppartners.org

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