



JV5

Joint Venture 5

AMERICAN MUNICIPAL POWER, INC.





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Letter To Participants

The Ohio Municipal Electric Generation Agency Joint Venture 5 (OMEGA JV5) had another successful year in 2017, surpassing the annual project average for energy production, experiencing no lost-time injuries at the project and maintaining compliance with all regulatory requirements. The Belleville Hydro Plant, located in Belleville, W.Va., along the Ohio River, produced a total of 274,360 megawatt hours (MWh) throughout 2017, representing a capacity factor of approximately 74.6 percent.

River flow conditions, meaning water levels are too high or too low, were the primary reason for production loss in 2017, accounting for a loss of 23.9 percent of potential production. High river levels accounted for 54.9 percent of flow-related production loss, while low river levels accounted for 45.1 percent of flow-related production loss.

Non-flow-related outages accounted for a 1.5 percent loss of potential production. These outages were due to both forced and planned outages. Maintenance of the plant is traditionally scheduled during times of the year when historical production levels are low due to river conditions, which helps to minimize the impact of the outages.

The Belleville Hydro Plant generated 13,745 MWh more than its historical annual average, surpassing the annual project average for the fifth consecutive year. The facility achieved greater than 80 percent capacity factor in six months of 2017.

MAINTENANCE

AMP completed a significant amount of preventative, corrective and upgrade maintenance in 2017, including

- comprehensive structural inspection of the 26.5 mile 138kV transmission line;
- contracted transmission line vegetation control;
- removal of more than 200 identified danger trees located near the edge of right-of-way;
- access road repairs;
- powerhouse overhead crane maintenance and upgrades, including an upgrade to the variable frequency drive;
- upgrade to the crane radio control system;
- overhaul of the 65-ton auxiliary hoist block and replaced the auxiliary crane cable;
- planned outage work in the fall of 2017 that included replacement of six unwatering valves;
- generator inspections, electrical testing and minor repairs;
- intake rack inspections and Unit 2 runner blade inspections; and
- an overhaul of the Noell trashrake along with an overhaul of the log grabber.

DIESEL UNITS

The 15 OMEGA JV5 diesel units remained available as emergency-use only generation for the host-site municipalities. In 2017, OMEGA JV5 participants approved a resolution allowing for the sale of the 15 diesel unit assets. It is anticipated the sale of the diesel assets will be completed in 2018.

Michael Dougherty

OMEGA JV5, is a cooperative project formed in 1993 and composed of 42 AMP member communities. Besides the 42-MW Belleville Hydroelectric Plant, which began commercial operation in 1999, the joint venture consists of approximately 26.5 miles of 138-kilovolt transmission facilities and fifteen 1.8 MW diesel reciprocating generating units. In May 2016, the 15 diesel units were restricted to emergency-use-only generation. During 2017 the participants approved selling the diesel assets. A communication offering the diesel assets for sale was sent to all participants.

OMEGA JV5 participants (in order of ownership percentage): Cuyahoga Falls, Bowling Green, Niles, Napoleon, Jackson, Hudson, Wadsworth, Oberlin, New Bremen, Bryan, Hubbard, Montpelier, Minster, Columbiana, Wellington, Versailles, Monroeville, Oak Harbor, Lodi, Pemberville, Edgerton, Arcanum, Seville, Brewster, Pioneer, Genoa, Jackson Center, Grafton, Elmore, Woodville, Milan, Bradner, Beach City, Prospect, Haskins, Lucas, Arcadia, South Vienna, Waynesfield, Eldorado, Republic and Custer.

2017 financials are available at www.amppartners.org

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