

ENVIRONMENTAL STEWARDSHIP

American Municipal Power-Ohio and the state's publicly owned municipal electric systems have led the way in terms of renewable generation technologies and environmental stewardship. To further advance this commitment, AMP-Ohio has a manager of clean energy development and sustainability programs to help coordinate renewable generation and conservation projects on behalf of the organization and its members.

Renewable Generation

AMP-Ohio oversaw construction of a 42 MW run-of-the-river hydroelectric generation project on the Ohio River at the Belleville (W.Va.) Locks and Dam. The Belleville Hydroelectric Facility went on line in April 1999. AMP-Ohio currently manages the facility on behalf of Ohio Municipal Electric Generation Agency Joint Venture 5, a partnership of 42 participating member communities, which owns the facility. Four AMP-Ohio member communities operate run-of-the-river hydroelectric facilities. These facilities have a combined capacity of over 120 MW. AMP-Ohio and its member communities are also in the process of developing additional run-of-the-river hydroelectric projects in the Ohio River basin.



In 2003, AMP-Ohio constructed the American Municipal Power/Green Mountain Energy Wind Farm, located near Bowling Green, Ohio. Ownership was later transferred to Ohio Municipal Electric Generation Agency Joint Venture 6, composed of 10 AMP-Ohio member communities. In 2004, the wind farm was expanded to a total capacity of 7.2 MW. This remains the only commercial, utility-scale wind farm operating in the state.



In 2003, working with the City of Westerville, Ohio, the organization secured a State of Ohio grant—through the Third Frontier Program—for the construction of a demonstration project for a fuel cell generation facility in the city. This was the first such project in the state.



The organization has actively supported the development of landfill gas generation in the state. Thirty-seven member communities participate in the program, which purchases the output from four facilities located in Columbus, Lorain County, Ottawa County and Mahoning County. A total of 34 MW of energy is generated at these facilities.



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Some AMP-Ohio member communities have actively developed solar electric generation projects. In addition to generating power, these projects have served to increase public attention and interest in renewable generation technologies.



Clean Environment Initiatives

In 2004, AMP-Ohio partnered with Green Mountain Energy to offer a green power program to its member communities. Called *Nature's Energy*, the program offers customers of participating member utilities an opportunity to purchase 100 percent renewable energy to supply their homes and businesses. A slight surcharge is assessed, which provides funding for the future development of additional renewable resources.

AMP-Ohio has initiated a mercury thermometer/switch recycling program. Launched in the spring of 2005, the program allows residents to turn in old mercury-filled thermometers and switches in exchange for new digital thermometers. The mercury-filled devices are then properly recycled. The pilot program in six communities collected more than two pounds of mercury. Since the pilot program, other member communities have hosted successful events.

The organization assists its member communities with the implementation of load management programs, which include control of central air conditioners and hot water heaters. These programs have successfully reduced electric consumption. To support efforts to conserve the use of energy, AMP-Ohio is providing each member community with an on-line energy audit program for their residents and businesses to utilize.

AMP-Ohio and its member communities have been recognized with awards from a number of organizations working towards increased energy efficiency and a cleaner environment. These organizations include:

- Green Energy Ohio
- U.S. Environmental Protection Agency
- U.S. Department of Energy, Energy Information Agency
- U.S. Department of Energy, Wind Powering America Program
- Ohio Department of Development, Office of Energy Efficiency