



AMP-Ohio Meigs County Office

Advanced Energy Job Stimulus Program

A key component of Ohio's program to create new jobs and encourage economic development, the \$150 million Advanced Energy Job Stimulus Program is designed to support new technology projects on a fast track toward commercialization. As part of the \$1.57 billion job stimulus package signed into law by Governor Ted Strickland in June 2008, the goal of the program is to employ Ohio workers in the advanced energy jobs of the future. The American Municipal Power Generating Station (AMPGS) project, being developed by AMP-Ohio, was approved for stimulus program funding because it will utilize state-of-the-art clean coal technology. The project will employ approximately 1,600 workers, many from the state of Ohio, during its construction phase, and after completion, 150 fulltime at the plant, and another 15 at an associated fertilizer processing facility.



Proposal Name:

American Municipal Power Generating Station

Project Location:

Letart Falls, Ohio (Meigs County)

Applicant Information:

AMP-Ohio is the non-profit wholesale power supplier and services provider for municipal electric systems in six states. The Ohio-based organization was formed in 1971 for the purpose of owning and operating electric facilities, or providing for the generation, transmission and distribution of electric power and energy to its member municipal electric systems. AMP-Ohio meets its obligations today by coordinating, negotiating and developing power supply options and interconnection agreements. AMP-Ohio owns the 213-megawatt coal-fired Richard H. Gorsuch Generating Station near Marietta Ohio, and operates the 42-MW Belleville Hydroelectric Project on the Ohio River, the 7.2-MW AMP-Ohio Wind Farm near Bowling Green, and 138 MW of distributed generation for its member systems. Membership in AMP-Ohio currently stands at 127, including: 81 public power communities in Ohio, 29 in Pennsylvania, seven in Michigan, five in Virginia, three in Kentucky and two in West Virginia. The organization is currently in the developmental phase of significant investment in new generation resources, including more than 350 MW of new hydroelectric generation, in addition to newer, more efficient coal generation.



Powerspan Burger Deployment

Project Description:

The AMPGS project is an approximately 1,000 megawatt coal-fired generation facility to be located near Letart Falls, Ohio in Meigs County. AMPGS is being designed with state-of-the-art pollution-control technology, including Powerspan's ammonia-based scrubber system. This system removes the great majority of sulfur dioxide, fine particulate matter and mercury produced during coal combustion. Powerspan has also demonstrated in the laboratory and on an initial pilot scale project a promising technology for the removal of carbon dioxide. AMP-Ohio is working with Ohio-based The Andersons Corp. on an on-site facility that will produce ammonium sulfate fertilizer from the byproduct of the Powerspan ammonia-based scrubber system. Once online, AMPGS will help stabilize power costs for nearly 300,000 customers in 69 participating Ohio communities by reducing their exposure to the volatile wholesale electric market. AMP-Ohio requested a bridge loan from the stimulus program because of its need to stage the overall financing for the project. The project will be the first large commercial deployment of the Powerspan technology and, as such, represents an investment in the development of leading-edge power generation air quality control system technology. Powerspan is currently operating a commercial pilot of its carbon dioxide capture system at the R.E. Burger plant in Shadyside, Ohio. AMP-Ohio is sharing data from the pilot. The AMPGS facility is being designed with footprint and alignment of equipment to facilitate future carbon capture.



Orrville Utilities Street Banner



Cuyahoga Falls Service Complex

Funding Request: \$30 million
Approved Funding: \$30 million bridge loan
Total Project Investment: \$3,074,000,000

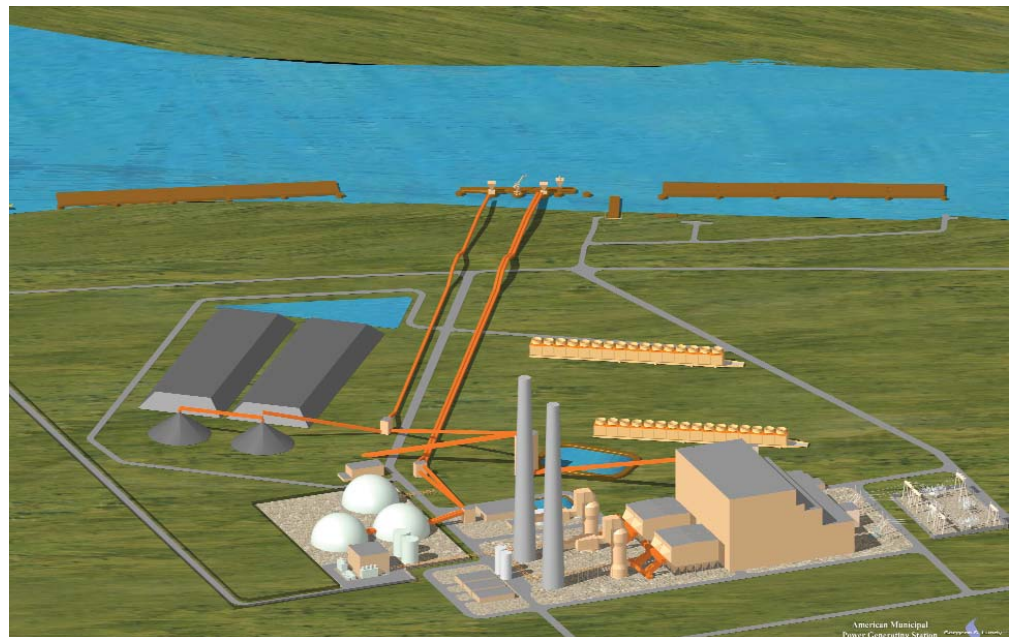
Jobs Created: 1,600 construction jobs, 165 full-time jobs, including the 15 jobs at the associated fertilizer processing facility

Type of Ohio Coal to be Used: Blend of coals including Bituminous Ohio coal

Technology to be Used: Supercritical boilers, low NO_x burners, overfire air selective catalytic reduction, fabric filter baghouse, wet flue gas desulfurization utilizing Powerspan ammonia-based system, wet electrostatic precipitator.

Primary Application of Technology: Increase efficiency; and control sulfur dioxide, fine particulate matter, mercury and, potentially, future addition of carbon dioxide capture.

Customers to be Served: More than 380,000 customers in 81 AMP-Ohio communities, including 69 communities in Ohio serving nearly 300,000 customers.



Preliminary AMPGS Rendering



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