

R. E. Burger Plant



Located near Shadyside, Ohio, the 100-acre site is on the Ohio River across from Moundsville, West Virginia.

Facts At A Glance

- Two coal-fired units, one coal-fired turbine peaking unit and three oil-fired peaking units produce 413 megawatts of electricity.
- The plant uses 800,000 tons of coal each year.
- The plant employs 105 people.
- The plant pays more than \$1.3 million annually in property taxes.

ENVIRONMENTAL MEASURES

- The plant burns medium sulfur eastern and very low-sulfur western coal.
- Generating units use electrostatic precipitators, which remove more than 99% of particulates from flue gas. The gases pass between fields of electrically grounded plates to which the electrically charged dust is attracted.
- Coal ash captured by precipitators is either sold for a variety of uses including the manufacture of concrete, structural fill, roofing shingles and ice-control material, or is placed in specially designed landfills.
- The Burger Plant is the demonstration site for the Electro-Catalytic Oxidation (ECO[®]) system, a multipollutant control technology for coal plants, developed through our partnership with Powerspan Corp.
- Burger is the host site for a U.S. Department of Energy pilot demonstration project evaluating the feasibility of sequestering CO₂ underground through an 8,400-foot injection well drilled at the plant.

