

Fort Martin Power Station



Fort Martin Power Station is located in Madsville, West Virginia, along the Monongahela River.

Facts At A Glance

- Two coal-fired units produce 1,098 megawatts (MW) of electricity.
- Unit 1 went online in 1967 and generates 552 MW. Unit 2 went online in 1968 and generates 546 MW.
- At full capacity, the plant's generating units can produce more than 26 million kilowatt-hours of electricity daily.
- The plant uses more than 2.8 million tons of coal annually.
- Fort Martin Power Station employs approximately 180 people.
- The plant pays approximately \$3.4 million annually in property taxes.

Environmental Measures

The plant has invested nearly \$625 million on its environmental-control systems.

Each Ft. Martin unit has a scrubber system that removes more than 98 percent of the sulfur-dioxide emissions. The scrubbed flue gas produces a steam plume that is carried from the units through a newly-constructed 550-foot chimney. The scrubbers were completed and placed in service during the last quarter of 2009.

The station is also equipped with Electrostatic Precipitators. This system removes 99 percent of the fly ash from flue gases.

Environmental Measures *(continued)*

Each of the two hyperbolic cooling towers reduces the temperature of approximately 250,000 gallons of water per minute. A plume of water vapor leaves the top of the tower while cooled water collects at the base where it is mixed with water pumped from the Monongahela River to make up for evaporation.