

Fort Martin Power Station Fact Sheet



A VPP Star Certified Workplace:

In July 2003, employees at Fort Martin Power Station were honored with Voluntary Protection Program (VPP) Star certification for superior workplace safety from the U.S. Department of Labor's Occupational Safety and Health Administration (OSHA). Fort Martin employees were the second at an Allegheny Energy facility to receive this honor, which recognizes companies whose employees demonstrate a commitment to workplace safety and health beyond OSHA's standard requirements.

With the support of Allegheny Energy Supply's Safety, Health & Training Team, Fort Martin employees worked for more than a year to be considered for this exclusive award that has only been achieved by approximately 1,000 of the more than 7 million worksites that OSHA monitors nationwide.

General Information

Employees - 135
 Dimensions of station - Height of building: 222 feet
 Width: 600 feet Length: 570 feet
 Original cost of station - \$139.2 million (\$126/kW)
 Generating capacity - 1,107 megawatts (1,107,000 kilowatts)
 Ownership - Monongahela Power Company 25%, Allegheny Energy Supply 75%

Turbine Generators

Capacity	Date On-Line	Project Manager	Generator Manufacturer	Voltage
Unit 1 552,000 kW	1967	Sanderson & Porter	General Electric	22,000
Unit 2 555,000 kW	1968	Burns & Roe	General Electric	13,800

Boilers

Temperature	Manufacturer	Steam Pressure	Height
Unit 1 1,010/F	Combustion Eng.	3,600 psi	10 stories
Unit 2 1,010/F	Babcock & Wilcox	3,600 psi	14 stories

Cooling Towers

(Two hyperbolic)

Height:	370 feet
Length:	395 feet
Top:	180.2 feet
Circ. Water Flow:	250,000 gals./min.

Stacks

(Dimensions in feet)

	Height	Diameter at Base	Diameter at Top
Unit 1	550	47	26
Unit 2	550	47	26

Coal

Avg. daily consumption 2005: 7,554 tons/day
 Delivery: Truck, barge
 Coal delivered 2005: 2,690,192 tons
 Source: West Virginia: 14%
 Pennsylvania: 81%
 Wyoming: 5%

Environmental Control Systems

(Costs through 12/31/04)

Air:	\$ 97,201,040
Water:	20,098,914
Solid Waste:	16,138,663
Other:	392,435
TOTAL:	\$133,831,052

Electrostatic Precipitators

Gas flow: 2,000,000 ACFM
 Efficiency: 99.5%
 Ash Disposal: 100 permitted acres
 3/4 mile west of station