

# Pleasants Power Station Fact Sheet



## A VPP Star Certified Workplace:

In September 2003, employees at Pleasants 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). VPP Star Status 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, Pleasants 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 - 206  
 Dimensions of station - Height of building: 265 feet      Width: 700 feet      Length: 700 feet  
 Original cost of station - \$777.1 million (\$621/kW)  
 Generating capacity - 1,300 megawatts (1,300,000 kilowatts)  
 Ownership - Monongahela Power Company 21%, Allegheny Energy Supply 79%

### Turbine Generators

Capacity	Date On-Line	Project Manager	Generator Manufacturer	Voltage
Unit 1 626,000 kW	1979	United Engineers & Constructors	Kraftwerk Union/Seimens Power Corp.	26,000
Unit 2 626,000 kW	1980	United Engineers & Constructors	Kraftwerk Union/Seimens Power Corp.	26,000

### Boilers

Temperature	Manufacturer	Steam Pressure	Height
Unit 1 1,010/F	Foster Wheeler	3,810 psi	23 stories
Unit 2 1,010/F	Foster Wheeler	3,810 psi	23 stories

### Cooling Towers

(Two hyperbolic)  
 Height: 428 feet  
 Base: 359 feet  
 Top: 243 feet  
 Circ. Water Flow: 277,000 gals./min.

### Environmental Control Systems

#### Scrubbers

Cost: \$181 million (1980)  
 Efficiency: 98%

#### Electrostatic Precipitators

Gas flow: 2,400,000 ACFM  
 Efficiency: 99.6%  
 Ash Disposal: 126 permitted acres  
 3/4 mile east of station

### Coal

Avg. daily consumption 2002: 8,549 tons/day  
 Delivery: Barge  
 Coal delivered 2002: 3,263,907 tons  
 Source: West Virginia: 38%  
 Ohio: 62%

### Cost of Environmental Control Systems

(as of 12/31/01)

Water:	\$ 47,376,126
Air:	237,502,342
Solid Waste:	133,399,083
<b>TOTAL:</b>	<b>\$421,706,683</b>

### Stacks

(Dimensions in feet)

Height	Diameter at Base	Diameter at Top
Unit 1 1,000	71	27
Unit 2 1,000	71	27