



# Waste Coal Power Plants

In

# The United States



# Waste Coal Plants in Pennsylvania

# Cambria Cogen Company

## **Ebensburg, PA**

This 85 megawatt cogeneration station is located in the bituminous coal mining region of western Pennsylvania. The plant burns bituminous coal mine refuse (commonly called gob or boney) to generate electricity. It also supplies steam to a nearby nursing home. The plant began operating in 1991.





# Cogentrix Scrubgrass Generating Plant



## Kennerdell, PA

An 83 megawatt "small power production" facility located in western Pennsylvania. The fuel used in the plant is bituminous coal mine refuse. Full operations at the plant began in 1994.

# Ebensburg Power

## **Ebensburg, PA**

This 50 megawatt cogeneration station is located in the bituminous coal mining region of western Pennsylvania. It utilizes a circulating fluidized bed boiler to combust bituminous coal mining refuse fuel. Steam from the plant is used to heat a nearby state center for mentally-challenged individuals.





# Inter-Power/AhlCon Partners

## LP

### **Colver, PA**

This plant began operations in May 1995. It is located in the bituminous coal mining region of western Pennsylvania. The plant is equipped with a single, large circulating fluidized bed boiler capable of producing 102 megawatts of electricity. As a "small power producer," the plant does not furnish steam for other industries. This is one of Pennsylvania's newest bituminous waste burning plants.



# Piney Creek LP

## **Clarion, PA**

This is a 32 megawatt small power production facility located in western Pennsylvania that began operations in 1992. The fuel used in the plant is bituminous coal refuse.





# WPS Westwood Generation LLC

## Tremont, PA

WPS Westwood Generation, LLC operates the Westwood Generating Station located in Tremont, Pennsylvania. The 30-megawatt power plant uses a Circulating Fluidized Bed boiler that converts waste coal into low-cost power. Steam from the plant drives a 40,000 horsepower generator that produces enough energy to serve 45,000 homes.

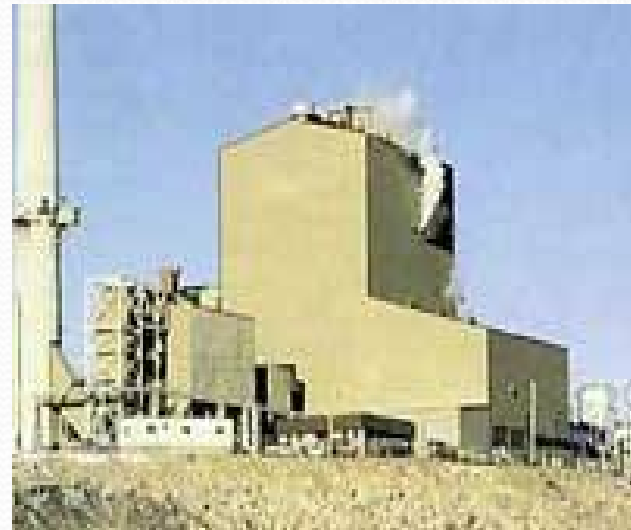




# Wheelabrator Frackville Energy Company

## Frackville, PA

This 42 megawatt cogeneration station is located in eastern Pennsylvania. Steam from the plant is used to heat a nearby state correctional facility. The plant is located on the site of an abandoned coal mine and burns anthracite coal mining refuse in a circulating fluidized bed boiler.



# Gilberton Power Company

## Frackville, PA

This 80 megawatt cogeneration plant is located in the anthracite coal mining region of eastern Pennsylvania. It is equipped with two circulating fluidized bed boilers that use anthracite coal mining refuse (culm) for fuel. Steam from the plant is used to heat a nearby state correctional facility. The plant was placed in operation in 198





# Schuylkill Energy Resources Inc.

## **Shenandoah, PA**

This is an 80 megawatt facility equipped with a single circulating fluidized bed boiler burning anthracite coal mining waste. This plant began commercial operations in 1989.



# Northeastern Power Company



## McAdoo, PA

This is a 50 megawatt cogeneration station. Known as NEPCO, the plant is located in the eastern, anthracite coal mining region of Pennsylvania. It uses a circulating fluidized bed boiler to combust anthracite coal mining refuse (culm). Steam from the plant is used in a 20 acre greenhouse specializing in flowers.



# Panther Creek Partners LP

## **Nesquehoning, PA**

This is an 83 megawatt small power producer located in the anthracite region of Pennsylvania. Fuel for the plant is anthracite coal mining refuse. The plant was placed in operation in 1993.



# Cogentrix Northampton Generating Company



## Northampton, PA

This is a 107 megawatt power plant in eastern Pennsylvania. The plant burns anthracite coal mining waste using a circulating fluidized bed process.



# Kimberly Clark – Chester Plant

## **Chester, PA**

This is a 60 megawatt Power Plant located in Delaware County. Operating since 1986 Kimberly Clark uses the generated steam from the power plant to produce Kimberly Clark Paper Products at their paper product plant, next door.



# Mount Carmel Cogeneration Facility

**Marion Heights, PA**

This is a 47.3 MW Foster-Wheeler CFB Boiler burning anthracite culm and selling energy to the PJM and steam/hot water to the adjacent hot house facility.





# Reliant –Seward Waste Coal Plant

## Seward, PA

The 521-megawatt Seward plant, built on the site of a 1921 coal-fired power plant that was retired in 2003, will use those piles of waste coal as fuel to produce more electricity than the old plant, with significantly lowered emission rates.



# Planned Waste Coal Plants

- Green Energy Resource Recovery Project– 600 MW - Nemaquin (Green County), PA
  - At the site of an old LTV Coal Refuse Disposal Site
- River Hill Energy Power Project – 290 MW – Karthaus Township, Clearfield County, PA
  - From Abandoned Coal Refuse and active coal mine waste
- Robinson Power Project – 300 MW – Robinson Township, Washington County, PA
  - Champion Coal Refuse Site is primary source of coal refuse





# **Waste Coal Plants in West Virginia**

# Dominion – Morgantown Power Station



## **Morgantown, West Virginia**

Morgantown Power Station is a 50 Megwatt Cogeneration Facility burning waste coal. It commenced operations in 1992.



# Grant Town Power Plant

## **Grant Town, West Virginia**

This is an 80 Megawatt Waste Coal Power Plant. Commercial operations commenced in 1993.





# **Waste Coal Power Plant in Utah**



# Sunnyside Waste Coal Power Plant

## **Sunnyside, Utah**

The Sunnyside power plant began operations in May of 1993. The electricity it produces is sold to Pacificorp operating as Utah Power and Light (UPLC).

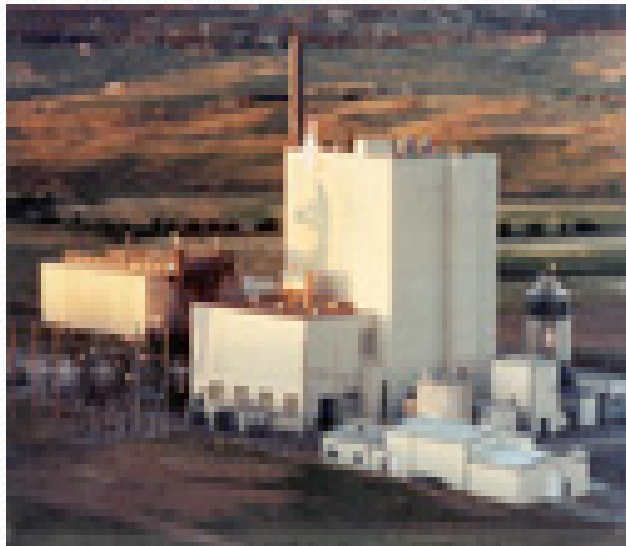




# Waste Coal Power Plant in Montana



# ColStrip – Rosebud Waste Coal Power Plant



## **Rosebud County, Mt.**

Colstrip Energy Limited Partnership (“CELP”).

CELP is a 38 MW waste coal fired power project located in Rosebud County. CELP began commercial operation in May of 1990.