

# Gilberton Power Company



**Gilberton Power Company**, John B. Rich Memorial Power Station, located in Frackville, PA began operations in the mid-1988. This Co-Generation plant has been generating over 590 million-kilowatt hours of electricity per year for sale to Pennsylvania Power & Light. This is enough electricity to power approximately 65,000 homes. Additionally the plant produces over 80 million pounds of process steam, which is utilized by the Mahanoy Area Correctional Facility.

Gilberton Power Company, which was the first Co-Generation plant in this area, utilizes two Pyropower circulating fluidized bed combustors (CFB's). The 80-mega watt plant burns almost 425,000 tons of processed anthracite waste (culm) per year. Waste Management and Processors, Inc. (WMPI) reclaim this fuel from an estimated 1,700,000 tons of waste material and dispose of approximately 156,000 tons of ash per year under a Pennsylvania Department of Environmental Resources permit.

The new technology CFB boilers burn the processed fuel in a low temperature staged combustor utilizing limestone injection to capture sulfur and assure efficient combustion at the lowest possible emissions levels. The plant complex includes a culm reprocessing plant designed and built by J & R Engineering Corporation to ensure delivery of consistent quality low ash fuel to the boilers. Make-up water is drawn from nearby mine pool and deep wells and then returned to the Mahanoy Creek while meeting PA DEP water quality standards.

In addition to all its benefits to the community and State of PA, Gilberton Power Company eliminates over 2 million tons of waste culm per year, employs more than 100 people at the power plant, fuel processing facility and other operations and has an annual plant payroll of more than three million dollars.

————— **A RICH FAMILY COMPANY** —————