



Virginia City Hybrid Energy Center



Located in Wise County, the Virginia City Hybrid Energy Center is a technologically advanced power station that has been operating since 2012.

Fueled by conventional coal, GOB coal, and biomass, the facility generates enough electricity to reliably serve 150,000 homes.

The Virginia City Hybrid Energy Center uses a complex, state-of-the-art circulating fluidized bed boilers and air quality control systems to achieve significantly lower emissions than

traditional coal-fired power plants.

In addition, the facility has a fully-lined, captive industrial landfill for storage of coal combustion byproducts and a leachate pond that collects all contact water from the landfill, which is processed in a wastewater treatment facility located onsite. These systems meet or exceed all the current requirements for coal combustion byproduct impoundments.

Finally, the Virginia City Hybrid Energy Center also supports local jobs, the economy, and community.



167

Full-time and contract employees



400

Other jobs indirectly supported in the community



\$3.5 Million

In charitable contributions have been donated to support Southwest Virginia



\$8.5 Million

Average annual taxes Virginia City provides to Wise County and Town of St. Paul



\$25 Million

Annually to the local economy

GOB Coal Reclamation

- During the past hundred years of mining, coal that was not suitable for smelting steel or generating electricity using technology of that era was cast aside in waste piles. This waste coal, also known as GOB, has been declared by state agencies as the greatest threat to the environment and watersheds throughout Southwestern Virginia.
- Gob piles can create a substantial sedimentation problem when they lack vegetation and are close to streams. Additionally, un-mined gob coal sites have been known to combust, emitting harmful toxins in the environment and sediment; locally referred to as 'red dog'.
- The Virginia City Hybrid Energy Center was constructed to process GOB to encourage the beneficial use and reclamation of waste coal in the production of electricity.
- As of July 2020, there have been nine waste coal reclamation projects completed, including the removal of 500,000 tons of GOB reclaimed from Hurricane Creek, totaling over 4 million tons of GOB reclaimed since the beginning of commercial operation of the Virginia City Hybrid Energy Center in 2012.



BEFORE



AFTER

HURRICANE CREEK