

Big Brown



Power Plant and Mines



Basic Facts

Fuel source: Lignite, supplemented by Powder River Basin coal

Operating capacity and homes powered: 1,150 MW—enough to power about 575,000 homes in normal conditions and 230,000 homes in periods of peak demand

Year began operation: Unit 1—1971; Unit 2—1972

Location: Freestone County

Supporting mine: Turlington



Economic Impact

Big Brown Power Plant and Turlington Mine are proud to be major contributors to the community in which our employees work and live.

In 2015, Luminant paid tens of millions of dollars statewide in property taxes. The company is the largest taxpayer by a wide margin in virtually all the communities where it operates plants, including Big Brown.

Community Benefit

We take pride in being a good neighbor through community contributions and volunteerism.

The plant and mine give tens of thousands of dollars to worthwhile projects and community organizations, such as the Freestone County Fair and Rodeo and Freestone County volunteer fire departments.

Employees at Big Brown also give back to their communities through volunteerism, supporting the American Cancer Society's Relay for Life and Freestone County senior citizens organizations, among others.



Awards and Recognition

Throughout the years, Big Brown has been recognized as a community and corporate leader. A few significant awards include:

- Interstate Mining Compact Commission's National Mine Reclamation Award 2014 (Luminant)
- Railroad Commission of Texas' Coal Mining Reclamation Award 2014 (Luminant)
- U.S. Department of the Interior, Office of Surface Mining, Director's Award 2009, five-time Winner (Luminant)

Environmental Responsibility

Luminant is proud of its strong track record of meeting or outperforming all environmental laws, rules and regulations. Luminant has also made substantial investments in new environmental controls and research to create cleaner power production. Big Brown has the following environmental control equipment:

- Selective non-catalytic reduction systems designed to reduce NO_x emissions
- Low NO_x burners and over fire air to reduce NO_x emissions
- Fabric filter systems designed primarily to reduce particulate matter emissions
- Electrostatic precipitator systems designed primarily to reduce particulate matter emissions
- Sorbent injection systems designed to reduce mercury emissions