

The Oak Grove Project, a proposed 1,720-megawatt lignite power plant in Robertson County, will deliver reliable, low-cost energy for Texas and will help improve fuel diversity in the state's electric generation.

The proposed facility will be located at the site of a previously planned power plant. Much of the infrastructure is already in place, which will help Oak Grove to be one of the lowest-cost and fastest-to-market power plants in the state.

The Oak Grove Management Company LLC applied for an air permit with the Texas Commission on Environmental Quality (TCEQ) in July 2005. Pending approval by the TCEQ, the plant could be operational as early as 2009.

#### OAK GROVE PROJECT DETAILS

**LOCATION:** Robertson County, 12 miles east of Bremond and 12 miles north of Franklin—or about 150 miles south of Dallas.

**SIZE:** Two supercritical pulverized coal boilers of 860 megawatts each. Together, that's enough to power about one million Texas homes.

**FUEL:** Locally mined Texas lignite.

**CONTROL EQUIPMENT:** Best Available Control Technology: a wet limestone sulfur dioxide scrubber, a selective catalytic reduction system for nitrogen oxide and a fabric filter for particulate control.

**COOLING RESERVOIR:** 2,330-acre adjacent reservoir.

TXU Power is excited about the benefits the Oak Grove Project will bring to Texas and Robertson County.

The combination of a plentiful fuel supply, ready access to rail transportation, existing water resources, facilities and equipment will help Oak Grove quickly become a vital part of the Brazos Valley economy.

#### THIS PROJECT WOULD PROVIDE:

##### Resource Relief

A new Texas lignite power plant will contribute to needed fuel diversity as natural gas prices continue to increase.

##### Significant Jobs

This plant would create an estimated 250 permanent local jobs, the potential for thousands of support jobs and millions of dollars in economic development.

##### Economic Benefits

The Oak Grove Project would have a construction-only impact for the Brazos Valley of thousands of jobs, \$1.9 billion in personal income and \$793 million in retail sales. Once complete, the project would have an annual impact of \$170 million in personal income and \$67 million in retail sales.



Proposed Oak Grove Power Plant

The Oak Grove Project will use the best available control technology to reduce air emissions.

#### IMPORTANT FACTS:

Developers will spend more than \$500 million on environmental controls alone to reduce air emissions at Oak Grove. These environmental controls will include:

##### Low-NO<sub>x</sub> Burners

These special burners are designed to limit the production of nitrogen oxides (NO<sub>x</sub>).

##### Over-fire Air

This technology utilizes additional air flow in the boiler to reduce the production of emissions.

##### SCR Technology

This plant will be the first lignite plant in the nation to use a selective catalytic reduction (SCR) system to reduce air emissions. SCRs are currently in use for power plants using other types of coal, but not for lignite power plants.

##### Wet Flue Gas Desulfurization Scrubbers

This technology will help reduce 95% of the sulfur dioxide in the air exiting the power plant.

##### Baghouse Fabric Filters

These filters will remove more than 99.9% of all particulate matter in the air exiting the power plant.

the Oak  
Grove Project

RELIABLE TEXAS POWER