



ENVIRONMENTAL STEWARDSHIP

Over the years, Luminant has been in the forefront of environmental stewardship and innovation. Today, Luminant continues to deliver on its commitment to provide reliable and increasingly clean sources of electricity to help meet the needs of a growing population and move Texas toward an even more environmentally sound future.

- Luminant's stewardship begins with maintaining an excellent compliance record that meets or outperforms all applicable federal and state environmental laws and regulations.
- With wind-energy purchases of more than 900 megawatts— enough to serve 400,000 Texans— Luminant is Texas' No. 1 purchaser of this renewable resource, with a commitment to increase purchases to 1,500 MW.
- Equipped with Best Available Control Technology, Luminant's Oak Grove 1 and 2 and Sandow 5 are the nation's first 100 percent lignite coal power plants with activated carbon sorbent injection technology to control mercury emissions. Luminant has also voluntarily equipped its entire coal fleet with sorbent injection systems.
- The company's voluntary environmental retrofit program is expected to reduce key emissions rates across the legacy coal fleet to below U.S. averages.
- Luminant's voluntary climate change program, among the nation's largest individual company efforts, has avoided, reduced or sequestered more than 421 million tons of CO₂.

- Luminant is investing in a number of R&D projects to capture and remove CO₂ from the flue gas of coal-fueled generating plants. Among them is the Luminant Carbon Management Program at the University of Texas. Primarily funded by Luminant with contributions to date of \$2.3 million, this program focuses on developing and improving amine-based carbon-capture technologies.
- For 40 years, Luminant has set the standard in land reclamation, restoring almost 68,000 acres, planting over 30 million trees and creating over 5,100 acres of wetlands.
- Luminant has received nearly 90 awards for reclamation excellence, including the 2009 and four other Office of Surface Mining Director's Awards, among the highest industry honors.
- Luminant is committed to recycling everything from batteries, scrap metal and oils to coal combustion byproducts. More than 41 billion pounds of byproducts have found new life in the roofing, concrete and carpet industries and in oil-field and road-paving projects.
- The unique Luminant Environmental Research Program has produced outstanding scientists and environmental professionals and provided sound environmental solutions since 1971. Luminant has provided over \$4 million for the completion of 100 independent, published student theses and dissertations on the company's environmental footprint.

Ducks on reclaimed land at Big Brown



For more information on Luminant's environmental programs, visit
www.Luminant.com/Environment