

RESTORING THE LAND



For 40 years, Luminant has set the standard in restoring the land after mining. Even before federal and state laws on the topic were adopted, Luminant was committed to advancing the science of land reclamation. The success of Luminant's program proves it is possible to gain the benefit from natural resources and reclaim the land in an environmentally sound manner that adds value to it in the process.

Setting the Standard in Land Reclamation

- After mining, Luminant's goal is to quickly reclaim mined lands to productivity and achieve full release of all regulatory reclamation obligations.
- Nearly 69,300 acres have been reclaimed for use as forests, pastures, wildlife habitat and cropland, and more than 32,700 acres have been released from regulatory obligations.
- Over 31.6 million trees have been planted.
- More than 5,100 acres of wetlands, ponds and stream channels have been created or enhanced.

Renewing Texas Woodlands

- Developing sustainable Texas forests is a crucial part of Luminant's reclamation program.
- Habitat destruction and invasive and non-native species are the leading threats to Texas wildlife, and the removal of timber on family forested lands exceeds annual growth.
- To offset these trends, Luminant develops and enhances high-quality wildlife habitat and establishes commercial stands of pine timber on about 60 percent of the acres it reclaims every year.
- Forests provide long-term watershed protection and improve water quality.



Red fox on Luminant reclaimed land

Mining and Reclamation

		Big Brown	Kosse	Martin Lake	Monticello	Three Oaks	TOTAL
Acres Mined	2011	44	615	993	200	220	2,072
	1971-2011	14,137	1,189	29,208	17,957	690	63,181
Acres Reclaimed ¹	2011	24	337	833	142	86	1,422
	1971-2011	15,235	647	31,926	20,716	771	69,295
Acres Released	2011	0	0	1,754	1,136	0	2,890
	1971-2011	7,704	0	13,750	11,276	0	32,730

¹ Includes mined acreage and non-mined acreage disturbed to support mining

Crimson clover on Luminant reclaimed lands



Award-Winning Program

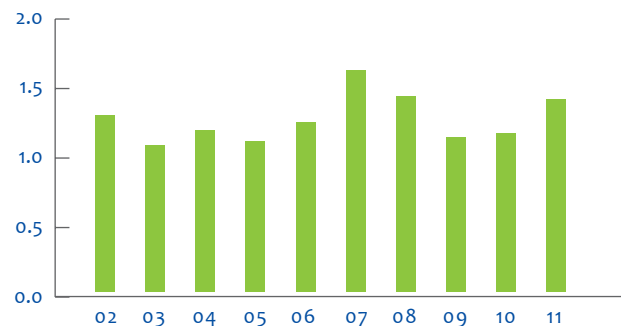


The excellence of Luminant's land reclamation program has been recognized with nearly 90 awards. They include the Director's Award, the nation's highest honor for

mined land reclamation, from the U.S. Department of the Interior's Office of Surface Mining. Luminant has received this award an unprecedented five times, including consecutive recognitions in 2008 and 2009. The company has also received the Texas Reclamation Award, Texas' top honor for quality in reclaimed land, 13 times from the Railroad Commission of Texas.

Trees Planted in Millions

Total since 1975: 31.6 million trees



Martin Lake mining and land reclamation



Powering Texas

- Texas lignite supplied 64 percent of the fuel for Luminant's 8,000 megawatts of coal-fueled generation in 2011. The remainder of the coal supply came from Wyoming's Powder River Basin.
- Lignite production totaled 32 million tons in 2011.
- Putting this natural resource to work for four decades has kept Luminant the state's No. 1 coal-mining operation.

Advancing Science

- As Luminant prepared to pioneer the modern use of lignite to generate affordable, reliable electricity for Texans, company officials saw an opportunity to apply sound science and ongoing research to better understand the environmental effects of mining and reclamation.



Fisheries research at a Luminant reclamation lake

- In 1971, when Big Brown, the company's first mine and coal-fueled power plant, began operation, the unique Luminant Environmental Research Program was established.
- The program remains unlike any other—funded by Luminant but designed for university graduate students to conduct research independently under the autonomous guidance of leading scientists, educators and advisors.
- Some 100 published student theses and dissertations have helped shape the company's reclamation activities and contributed to the science of mine reclamation on a national scale.