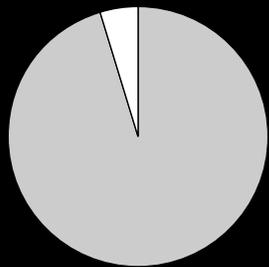
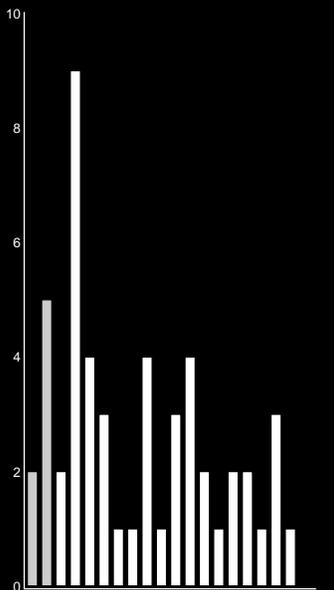


# Texas



Production tonnage 1978-1997

■ U.S. Total  
■ Texas coal production



Number of new permits 1978-1997

■ Interim Program  
■ Permanent Program

## The Largest producer of Lignite coal

Lignite constitutes approximately 97 percent of the near-surface coal resources in Texas. The most significant bituminous resources are in the north-central and southern parts of the state. Coal reserves in Texas are estimated to be 13.7 billion tons, about three percent of U.S. coal reserves. The average thickness of coal seams mined in Texas is approximately eight feet.

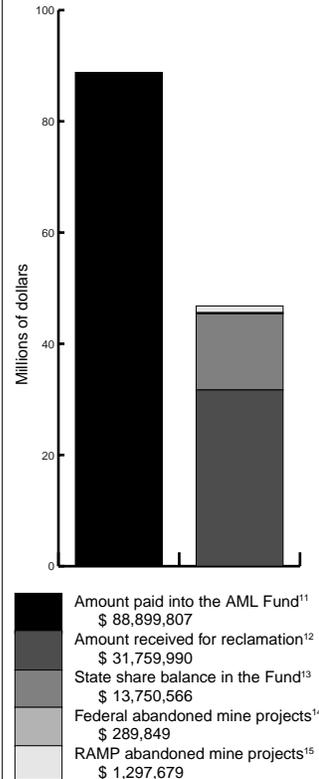
Since 1977, Texas has produced both bituminous and lignite coal, all from surface mines. During this period, the production of Texas lignite has increased more than 4.5 times, with almost all output used locally to feed mine-mouth power plants. Cannel coal (a variety of bituminous coal used by the cement, lime, and aggregate industries and exported to Europe for fireplace coal and blending with low-quality European coals for electric power generation) is also produced in the state.

Texas gained primacy when its regulatory program was conditionally approved February 16, 1980; the program was fully approved June 18, 1980. The state's Abandoned Mine Lands program was approved June 23, 1980. Texas does not have an emergency abandoned mine land program, so the Office of Surface Mining completes all emergency projects.

Since passage of the Surface Mining Law, five emergencies have been completed in Texas. Over \$13 million has also been spent reclaiming high-priority problems, including \$9.6 million on 6 dangerous piles and embankment problems and \$3.5 million on 9 highwall problems. An additional \$2.3 million has been spent reclaiming environmental problems caused by abandoned mines. Reclamation of the remaining problems caused by abandoned coal mines is estimated to cost approximately \$120,000.

## coal production<sup>10</sup>

	1978		1997		1978-1997 Rank
	Amount	Percent U.S. Total	Amount	Percent U.S. Total	
<b>Tons Produced</b>					
Surface	14,520	0.005%	434,736	0.07%	23
Underground	0	0%	0	0%	0
Lignite	12,365,073	55.1%	52,606,896	61.3%	1
Total	12,379,593	2.9%	53,041,632	4.8%	6
<b>Number of Producing Mines</b>					
Surface (bituminous coal)	1	0.03%	3	0.1%	22
Underground	0	0%	0	0%	0
Lignite (surface)	6	0.3%	16	66.6%	1
Total	7	0.1%	19	0.4%	15
<b>Mine Production</b>					
Average	1,768,513	2,488.7%	2,791,664	1,060.8%	
>1,000,000 tons	4	8.1%	10	4.8%	
300,000-1,000,000 tons	1	0.4%	0	0%	
<300,000 tons	2	0.03%	9	0.2%	



# Active mining and reclamation<sup>16</sup>

	1978	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	Total
<b>Number of New Permits</b>																					
Surface Mining	2	5	2	8	4	2	1	0	4	1	3	4	1	1	2	2	1	3	1	0	47
Underground Mining	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	1	0	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0	4
<b>Acres Permitted</b>																					
Surface Mining	7,622	16,167	5,532	44,901	46,033	6,685	55	0	12,995	84	3,619	3,890	13,350	12,390	7,090	2,980	11,309	14,617	13,929	0	223,248
Underground Mining	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	75	0	428	0	150	0	0	0	0	0	0	0	0	0	0	0	0	653
<b>Acres of Bond Release</b>																					
Interim Prog. (final)	0	0	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0	0	0	33
Phase 1	0	0	0	0	0	0	0	0	0	0	0	388	1,023	3,552	1,064	0	0	1,835	3,587	11,009	22,458
Phase 2	0	0	0	0	0	0	0	0	0	0	0	465	729	3,828	1,053	182	0	0	2,567	10,727	19,551
Phase 3	0	0	0	0	38,646	0	0	0	428	0	1	823	735	722	150	401	925	0	1,002	1,933	45,766
<b>Inspections</b>																					
Complete	20	24	14	95	110	75	160	223	209	186	154	157	153	134	139	92	90	86	100	22	2,243
Partial	6	32	8	251	363	244	206	187	189	187	203	243	294	330	335	367	339	242	207	95	4,328
Oversight	0	0	NA	NA	NA	26	18	37	NA	26	25	15	19	13	15	20	13	12	13	19	271
<b>Citations Issued</b>																					
NOV's	0	3	2	0	0	0	76	31	10	13	17	12	6	11	23	39	28	12	24	14	321
CO's	0	0	0	11	2	10	1	0	0	0	0	0	0	1	3	0	0	0	0	0	28

# Abandoned coal mine reclamation 1977-1997<sup>17</sup>

	Reclaimed Problems			Remaining Problems	
	OSM Emergency	State Emergency	Non-Emergency	Number	Estimated Cost
<b>Priority 1 &amp; 2 (Protection of Public Health, Safety, and General Welfare) and Emergency Projects</b>					
Clogged Streams (miles)	0	0	0	0	\$ 0
Clogged Stream Lands (acres)	0	0	0	0	0
Highwalls (feet)	0	0	34,015.0	0	0
Impoundments (count)	0	0	0	1.0	120,000
Piles & Embankments (acres)	0	0	1,359.0	0	0
Slides (acres)	0	0	0	0	0
Gases (count)	0	0	0	0	0
Equipment & Facilities (count)	0	0	0	0	0
Water Bodies (count)	0	0	3.0	0	0
Industrial Waste (acres)	0	0	0	0	0
Portals (count)	0	0	45.0	0	0
Polluted Water: Agriculture & Industrial (count)	0	0	0	0	0
Polluted Water: Human Consumption (count)	0	0	0	0	0
Subsidence (acres)	0.6	0	6.0	0	0
Surface Burning (acres)	0	0	0	0	0
Underground Mine Fires (acres)	0	0	0	0	0
Vertical Openings (count)	0	0	197.0	0	0
<b>Total</b>					<b>\$ 120,000</b>
<b>Priority 3 (Environmental Restoration)</b>					
Bench (acres)	0	0	0	0	\$ 0
Industrial Waste (acres)	0	0	0	0	0
Equipment & Facilities (count)	0	0	0	0	0
Gob (acres)	0	0	8.0	0	0
Highwall (feet)	0	0	0	0	0
Haul Road (acres)	0	0	0	0	0
Mine Opening (count)	0	0	0	0	0
Pit (acres)	0	0	0	0	0
Spoil Area (acres)	0	0	348.0	0	0
Slurry (acres)	0	0	0	0	0
Slump (acres)	0	0	0	0	0
Water (gallons/minute)	0	0	0	0	0
<b>Total</b>					<b>\$ 0</b>