

# Illinois

## Largest amount of stripable bituminous coal reserves

Illinois has the largest reported bituminous coal resources of any state and is one of the largest coal-producing states in the nation. Coal-bearing rocks underlie about 65 percent of Illinois, including all or part of 86 of its 102 counties. As estimated, 181 billion tons of coal resources are still in the ground. Using present mining methods, more than 30 billion tons of coal are classified as recoverable. This represents almost one-eighth of the total recoverable reserves of all types of coal in the United States.

The state's surface mining regulatory program was conditionally approved June 1, 1982. It received full approval October 25, 1988. The Abandoned Mine Land Program was approved June 1, 1982, and the Abandoned Mine Land emergency authority June 11, 1984.

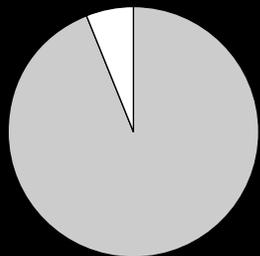
One of the first states to take responsibility for the Abandoned Mine Land emergency program, Illinois has completed 176 emergency projects costing \$2.8 million. Approximately 90 percent of the projects were subsidence abatement and shaft closures; however, one methane gas project that eliminated gas escaping into a residential subdivision cost approximately 45 percent of the emergency projects costs. Prior to assumption by the state of Illinois of the Abandoned Mine Land emergency program, the Office of Surface Mining abated 51 emergency problems costing over \$1.5 million.

Since the non-emergency Abandoned Mine Land Reclamation Program was approved, Illinois has completed 482 high-priority problems at a cost of \$118.5 million. Among the noteworthy Abandoned Mine Land reclamation projects is the multi-phased soon-to-be completed Kickapoo State Park Project, which reclaimed both surface and underground mines that had been affecting the Wabash River, the state's only nationally-designated scenic river. The Will Scarlett Mine project, featured on the *60 Minutes* television program as one of the Nation's worst acid mine drainage sites, is just finishing reclamation in cooperation with the current active mining coal company.

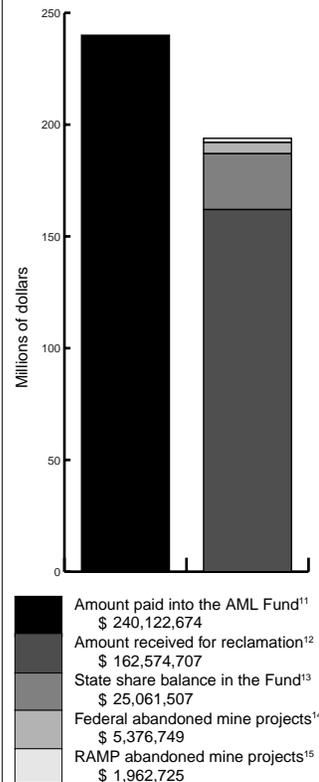
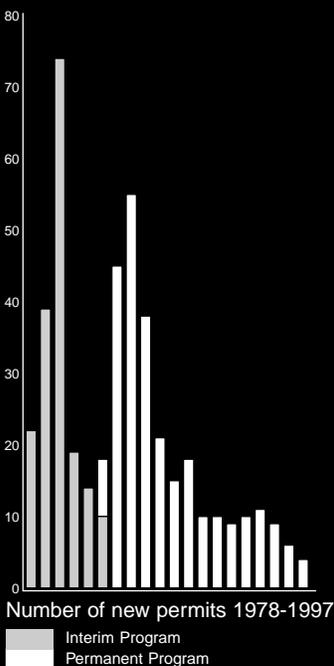
Illinois estimates that over 9,600 acres containing Abandoned Mine Land problems remain to be reclaimed at an estimated cost of \$36 million.

## 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	12,783,832	5.2%	7,544,262	1.3%	9
Underground	14,942,616	9.9%	36,794,339	8.7%	4
Lignite	0	0%	0	0%	0
<b>Total</b>	<b>27,726,449</b>	<b>6.6%</b>	<b>44,338,602</b>	<b>4.0%</b>	<b>5</b>
<b>Number of Producing Mines</b>					
Surface (bituminous coal)	53	1.5%	28	1.1%	9
Underground	31	1.2%	33	1.9%	6
Lignite (surface)	0	0%	0	0%	0
<b>Total</b>	<b>84</b>	<b>1.4%</b>	<b>61</b>	<b>1.4%</b>	<b>9</b>
<b>Mine Production</b>					
Average	330,076	464.5%	72,686	27.6%	
>1,000,000 tons	6	12.2%	18	8.7%	
300,000-1,000,000 tons	27	13.1%	9	2.6%	
<300,000 tons	51	0.9%	34	0.9%	



Production tonnage 1978-1997  
 U.S. Total  
 Illinois Coal Production



# 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	21	24	12	14	11	14	24	28	16	12	8	7	4	4	3	9	5	1	1	0	218
Underground Mining	0	5	36	2	1	3	13	16	13	4	5	8	4	6	0	1	2	3	5	3	130
Other	1	10	26	3	2	1	8	11	9	5	2	3	2	0	6	0	4	5	0	1	99
<b>Acres Permitted</b>																					
Surface Mining	4,297	19,835	6,539	5,681	6,294	8,909	20,701	28,289	14,770	7,508	5,192	8,677	2,980	2,465	672	3,092	2,609	445	1,805	0	150,760
Underground Mining	0	677	16,252	1,174	39	327	4,978	5,172	3,710	1,366	115	2,105	196	375	0	124	117	484	267	56	37,534
Other	4	1,736	12,061	188	930	108	6,557	6,846	2,434	2,517	128	357	475	0	181	0	51	111	0	222	34,906
<b>Acres of Bond Release</b>																					
Interim Prog. (final)	2,193	1,040	2,065	1,799	1,152	2,602	2,882	321	1,007	1,093	1,544	2,080	619	828	2,409	1,533	1,289	895	368	669	28,388
Phase 1	0	0	0	0	0	0	0	0	0	1,029	1,172	162	1,137	2,087	92	983	587	1,424	2,813	2,342	13,828
Phase 2	0	0	0	0	0	0	0	0	0	46	84	0	18	6	195	176	932	1,773	3,257	2,280	8,767
Phase 3	0	0	0	0	0	0	0	0	0	46	84	0	18	6	173	140	683	1,245	2,132	1,168	5,695
<b>Inspections</b>																					
Complete	625	1,065	1,130	1,457	970	519	672	627	515	473	467	480	472	473	148	447	441	414	362	423	12,180
Partial	1,050	1,136	1,464	1,717	1,315	1,135	1,226	1,207	1,179	1,128	1,085	1,018	1,138	1,078	1,076	989	991	900	756	937	22,525
Oversight	0	0	0	0	NA	172	120	130	NA	128	118	100	83	87	101	82	79	114	127	142	1,583
<b>Citations Issued</b>																					
NOV's	71	112	213	142	151	174	191	312	217	177	134	116	136	116	67	58	50	30	38	46	2,551
CO's	12	7	28	8	11	17	8	2	20	8	2	8	15	9	0	1	0	0	2	1	159

# 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	19.7	8.4	\$ 2,673,500
Clogged Stream Lands (acres)	0	0	1,179.6	66.5	511,000
Highwalls (feet)	100.0	135.0	32,076.0	19,090.0	3,061,617
Impoundments (count)	0	0	7.0	0	0
Piles & Embankments (acres)	0	0.1	315.4	43.0	1,522,580
Slides (acres)	0	1.5	7.0	0	0
Gases (count)	0	2.1	9.0	0	0
Equipment & Facilities (count)	0	1.0	291.1	53.9	515,120
Water Bodies (count)	0	0	4.0	0	0
Industrial Waste (acres)	0	0	66.4	2.0	32,500
Portals (count)	0	5.0	174.0	17.0	103,400
Polluted Water: Agriculture & Industrial (count)	0	0	12.0	0	0
Polluted Water: Human Consumption (count)	0	0	3.0	0	0
Subsidence (acres)	3.9	31.8	31.7	332.0	19,087,699
Surface Burning (acres)	0.4	8.0	8.5	37.0	240,000
Underground Mine Fires (acres)	0	0	0	0	0
Vertical Openings (count)	22.0	103.0	766.0	96.0	672,436
<b>Total</b>					<b>\$ 28,419,852</b>
<b>Priority 3 (Environmental Restoration)</b>					
Bench (acres)	0	0	1.0	0	\$ 0
Industrial Waste (acres)	0	0	6.0	0	0
Equipment & Facilities (count)	0	0	131.0	28.0	44,500
Gob (acres)	0	0	2,512.7	364.4	3,300,192
Highwall (feet)	0	0	10,010.0	2,070.0	264,363
Haul Road (acres)	0	0	202.0	28.0	134,500
Mine Opening (count)	0	0	78.0	21.0	101,000
Pit (acres)	0	0	499.1	130.0	980,789
Spoil Area (acres)	0	0	1,898.6	152.2	764,428
Slurry (acres)	0	0	1,111.5	120.8	1,096,850
Slump (acres)	0	0	1.4	0	0
Water (gallons/minute)	0	0	822.9	525.7	567,900
<b>Total</b>					<b>\$ 7,254,522</b>