



NATIONAL MINING ASSOCIATION

2000 COAL PRODUCER SURVEY

May 2001

2000 COAL PRODUCER SURVEY

May 2001

**Prepared by:
Leslie L. Coleman
(202) 463-9780
E-mail: lcoleman@nma.org**

**NATIONAL MINING ASSOCIATION
101 Constitution Ave. NW
Washington, D.C. 20001
www.nma.org**

THE NATIONAL MINING ASSOCIATION 2000 COAL PRODUCER SURVEY

May 2001

The Coal Industry In 2000

For the seventh consecutive year, U.S. coal output in 2000 has topped 1 billion short tons. Coal production was 1,075.5 million short tons in 2000 according to the Energy Information Administration's (EIA) preliminary estimate, (Table 1). This was 25 million tons (2.3%) less than 1999, but still 14 percent more than in the earlier part of this decade (1992). Production East of the Mississippi River was 510.2 million tons or 47.4 percent of total. In the West, production reached a record of 565.3 million tons, 52.6 percent of production, (Figure 1). The decline in production in 2000 resulted from a drop in production from mines in Illinois, Indiana, and Kentucky, as some of the less productive or higher sulfur mines in these states closed.

The shift toward coal production west of the Mississippi River continued to be driven by electric utility demand requirements for low sulfur coal as the utilities reached full compliance with Phase II emissions requirements of the Clean Air Act. Production in the eastern part of the U.S. is primarily from underground operations (about 65% of eastern production) located in the Appalachian region.

Despite the 2.3 percent decrease in coal production, coal consumption, and particularly coal used to generate electricity, was at an all time high in 2000. The record coal demand for coal in relation to production was met by reducing coal stockpiles. Stockpiles were estimated to have reached an all time low of 142.2 million short tons by the end of the year (down 22% from 1999).

In general, EIA data indicate that the coal industry's productivity level, as measured in tons per miner per hour has more than doubled since 1985 (Table 7). The general trend throughout the industry continues to be toward larger companies and larger more efficient mines. Expansion of output at the highly productive large surface mines in the west, and the greater use of longwall and continuous mining methods, and the closure of less productive underground mines in the east, are contributing factors.

Coal Industry Consolidation and Sales Activity

Despite a number of coal company announcements of intent to sell coal assets, industry consolidation was less active in 2000 than in 1999. Several companies had assets for sale in 2000, but deals had not concluded by the end of the year. For example, Westmoreland negotiated with Knife River Corporation for the purchase of Knife River's coal operations, but did not close the sale until later in 2001. Westmoreland's purchase of Montana Power's coal assets also closed in 2001. Jim Walter Resources announced several years ago the intent to exit the coal business, but has not yet found a suitable buyer. Pittston Coal's assets also were up for sale but had not been sold by the end of 2000. Major consolidation and sales activities that occurred in 2000 included the purchase of Phillips Coal Company mines by Western Fuels - Wyoming, Inc., The North American Coal Corporation and Kiewit Construction Company (October 2000). TECO Coal acquired Perry County Coal (November 2000). Following Fluor Corporation's spinoff of Massey Coal Company, Massey Coal Company became a publicly traded company on the New York Stock Exchange under the name Massey Energy (December 2000).

The Major Coal Producing Companies in 2000

In 2000, The Peabody Energy Corporation again was the largest coal producer in the United States with output (including sales) of 181.6 million short tons, 16.9 percent of total U.S. coal production. The second largest was Arch Coal, Inc. with 112.6 million tons, 10.5 percent of total U.S. coal production. The third was Kennecott Energy Company with 106.4 million tons, 9.9 percent of U.S. production, and the fourth largest coal producer, CONSOL Energy Inc., had output of 68 million tons, 6.3 percent of U.S. production. The fifth largest producer was RAG American Coal Holding, Inc, with 63.4 million tons, and 5.9 percent of production.

Table 2, compiled by National Mining Association (NMA) from data supplied through its recent survey of the major coal producers, shows 2000 production for 47 major coal producing companies in the United States. Foreign coal production (production outside the U.S.) was only reported this year by 3 of the coal companies surveyed (CONSOL, Drummond, and ExxonMobil) and was not included in the tables in this report. The top ten coal producing companies listed in this survey account for approximately 66 percent of total U.S. production, essentially unchanged from 1999.

The Major U.S. Coal Mines and Mining Complexes in 2000 (Tables 3 - 5)

According to the 2000 survey, the top four underground mines were (1) the Bailey Mine and (2) the Enlow Fork Mine in Pennsylvania (both CONSOL Energy Inc.), (3) the Galatia Mine in Illinois (The American Coal Company), and (4) the Baker Mine in Kentucky (Lodestar Energy, Inc.). The four largest surface mines in 2000 were the North Antelope/Rochelle Mine (Peabody's Powder River Coal Company), Black Thunder Mine (Arch Coal, Inc.), Jacobs Ranch Mine (Kennecott Energy Company), and the Cordero Mine (Kennecott Energy Company), all located in Wyoming's Powder River Basin region. A list of major underground and surface operations is found in Tables 3 and 4. Table 5 shows the 2000 output of major multi-mine production complexes. Peabody's North Antelope/Rochelle was the largest mine complex (73.1 million tons), Kennecott's Cordero-Rojo complex was second (38.6 million tons), Peabody's Arizona complex was third (12.8 million tons), and Arch's Mingo Logan complex was fourth (9.7 million tons).

Major U.S. Coal Reserve Holders in 2000 (Table 6)

Based on the Bureau of Land Management's estimation that the Federal government holds about one-third ownership of the nation's coal resources, the U.S. government holds the most coal reserves with approximately 91.7 billion short tons of estimated recoverable coal reserves. The Great Northern Limited Partnership reported the second largest reserve holding with 20 billion tons. Third, is the Peabody Group with 9.3 billion tons. Fourth and fifth are CONSOL Energy Inc., and Arch Coal, Inc. with 4.5 billion tons and 3.4 billion tons, respectively. Table 6 ranks the top holders of U.S. coal reserves.

Survey Methodology

Coal producers are asked to provide their company's total U.S. coal production and production including sales tonnage, foreign production (not included in Table 2), and reserve holdings for the calendar year past, in this case, 2000. They also are asked to name their mines and output using the following criteria: surface mines, production of 2 million tons or greater; underground mines, production of 1 million tons or greater; and any multi-mine production complex with output of more than 1 million tons. A multi-mine production complex is defined as a facility which is not a single mine, but one that processes production from more than one mine. Every effort was made to include as many coal producers as possible, whether or not a National Mining Association (NMA) member. A total of 51 coal companies were surveyed for their production and/or reserves, of which all 51 responded. Forty-seven coal producers and 4 companies with coal reserves responded to the survey. A copy of the survey form is appended to this report. Individual survey responses are kept confidential.

Notes: The production figures reported in this survey reflect ownership of mine production as of the end of calendar year 2000. Companies not included in the list are encouraged to submit data for next year. The National Mining Association has conducted a survey of major coal producers since the 1980's. The results of prior surveys can be found in earlier editions of NMA's *Coal Producer Survey* and *Coal Data* publications, and prior to 1998, in *Facts About Coal* publications.

TABLE 1

U.S. Coal Production by State, 1992 - 2000
(Thousand Short Tons)

State	1992	1993	1994	1995	1996	1997	1998	1999 r/	2000 p/
East:									
Alabama	25,796	24,768	23,266	24,640	24,637	24,468	23,013	19,504	19,155
Illinois	59,857	41,098	52,797	48,180	46,656	41,159	39,732	40,417	33,445
Indiana	30,466	29,295	30,927	26,007	29,670	35,497	36,803	34,004	27,970
Kentucky	161,068	156,299	161,642	153,739	152,425	155,853	150,295	139,626	132,123
Eastern	119,382	120,191	124,447	118,541	116,951	120,918	116,654	110,043	105,149
Western	41,686	36,108	37,195	35,198	35,474	34,936	33,641	29,583	26,974
Maryland	3,341	3,355	3,632	3,667	4,093	4,160	4,060	3,837	4,282
Mississippi	0	0	0	0	0	0	0	18	902
Ohio	30,403	28,816	29,897	26,118	28,572	29,154	28,048	22,480	22,202
Pennsylvania	68,981	59,700	62,237	61,576	67,942	76,198	81,036	76,399	75,066
Bituminous	65,498	55,394	57,616	56,893	63,190	71,520	75,805	71,646	70,557
Anthracite	3,483	4,306	4,621	4,682	4,751	4,678	5,231	4,753	4,508
Tennessee	3,476	3,047	2,987	3,221	3,651	3,300	2,696	3,037	2,669
Virginia	43,024	39,317	37,129	34,099	35,590	35,837	33,747	32,294	32,758
West Virginia	<u>162,164</u>	<u>130,525</u>	<u>161,776</u>	<u>162,997</u>	<u>170,433</u>	<u>173,743</u>	<u>171,145</u>	<u>157,978</u>	<u>159,639</u>
Total East	588,576	516,220	566,289	544,246	563,668	579,369	570,575	529,594	510,210
West:									
Alaska	1,534	1,601	1,567	1,698	1,481	1,450	1,344	1,565	1,641
Arizona	12,512	12,173	13,056	11,947	10,442	11,723	11,315	11,787	13,111
Arkansas	58	44	51	28	21	18	24	22	12
California	103	0	0	0	0	0	0	0	0
Colorado	19,226	21,886	25,304	25,710	24,886	27,449	29,631	29,989	29,137
Iowa	289	175	46	0	0	0	0	0	0
Kansas	363	341	284	285	232	360	341	409	201
Louisiana	3,240	3,134	3,463	3,719	3,221	3,545	3,216	2,953	3,699
Missouri	2,886	653	838	548	710	401	372	392	436
Montana	38,889	35,917	41,640	39,451	37,891	41,005	42,840	41,102	38,352
New Mexico	24,549	28,268	28,041	26,813	24,067	27,025	28,597	29,156	26,162
North Dakota	31,744	31,973	32,286	30,112	29,861	29,580	29,912	31,135	31,270
Oklahoma	1,741	1,758	1,911	1,876	1,701	1,621	1,661	1,661	1,588
Texas	55,071	54,567	52,346	52,684	55,164	53,328	52,583	53,072	49,497
Utah	21,339	21,847	24,399	25,167	27,507	26,683	26,075	26,373	26,656
Washington	5,251	4,739	4,893	4,868	4,565	4,495	4,638	4,101	4,270
Wyoming	<u>190,172</u>	<u>210,129</u>	<u>237,092</u>	<u>263,822</u>	<u>278,440</u>	<u>281,881</u>	<u>314,409</u>	<u>337,119</u>	<u>339,258</u>
Total West	408,967	429,205	467,217	488,728	500,188	510,563	546,958	570,836	565,290
Appalachian	456,565	409,718	445,370	434,861	451,868	467,778	460,400	425,573	420,919
Interior	195,659	167,174	179,858	168,526	172,848	170,863	168,374	162,530	144,723
Western	345,321	368,532	408,276	429,587	439,140	451,291	488,762	512,328	509,857
Grand Total	997,545	945,425	1,033,504	1,032,974	1,063,856	1,089,932	1,117,535	1,100,431	1,075,500

Note: Data include mines producing less than 10,000 short tons/year.
r/ Revised. p/ Coal Production for 2000 is preliminary.

Source: [U.S. Department of Energy/Energy Information Administration](http://www.eia.doe.gov)

TABLE 2

**Major U.S. Coal Producers - 2000
(Million Short Tons)**

Company	Production Tonnage	Percent of Total U.S.
1. Peabody Energy Corporation ¹	181.6	16.9%
2. Arch Coal, Inc. ²	112.6	10.5%
3. Kennecott Energy Company ³	106.4	9.9%
4. CONSOL Energy Inc.	68.0	6.3%
5. RAG American Coal Holding, Inc.	63.4	5.9%
6. AEI Resources, Inc. (Addington Enterprises, Inc.)	48.2	4.5%
7. Massey Energy Company	41.0	3.8%
8. Triton Coal Company, LLC	33.0	3.1%
9. The North American Coal Corporation ⁴	31.6	2.9%
10. TXU Mining (Texas Utilities)	26.0	2.4%
11. Interwest Mining Company (Scottish Power)	16.8	1.6%
12. James River Coal Company	15.9	1.5%
13. BHP Minerals	15.6	1.5%
14. Kiewit Mining Group, Inc. ⁵	15.3	1.4%
15. Alliance Resource Partners	13.7	1.3%
16. The Pittsburg & Midway Coal Mining Company	12.9	1.2%
17. Lodestar Energy, Inc.	11.9	1.1%
18. Western Energy Company	10.4	1.0%
19. TECO Coal Corporation	10.0	0.9%
20. Pittston Coal Company	9.8	0.9%
21. Northwestern Resources Co.	8.2	0.8%
22. Quaker Coal Company, Inc.	8.2	0.8%
23. ANR Coal Company, LLC (Coastal Coal Co.)	8.1	0.8%
24. American Coal Company	7.5	0.7%
25. American Electric Power Service Corp. (AEP)	7.3	0.7%
26. Jim Walter Resources, Inc.	6.7	0.6%
27. Aluminum Company of America (ALCOA Inc.)	6.6	0.6%
28. Andalex Resources, Inc.	5.9	0.5%
29. U.S. Steel Mining Company LLC	5.7	0.5%
30. Anker Coal Group, Inc.	5.0	0.5%
31. Westmoreland Resources, Inc.	4.9	0.5%
32. Drummond Company, Inc.	4.7	0.4%
33. The Ohio Valley Coal Company	4.6	0.4%
34. AMVEST Minerals Company LLC	4.5	0.4%
35. Knife River Corporation	3.1	0.3%
36. Dolet Hills Mining Venture	2.9	0.3%
37. ExxonMobil Coal and Minerals Company	2.7	0.3%
38. Maple Creek Mining, Inc.	2.7	0.3%
39. Western Fuels Association, Inc.	2.6	0.2%
40. Oxford Mining Co.	2.3	0.2%
41. Trapper Mining Inc.	2.1	0.2%
42. Usibelli Coal Mine, Inc.	1.6	0.1%
43. KenAmerican Resources, Inc.	1.4	0.1%
44. Sun Coke Company	0.8	0.1%
45. Cravat Coal Company	0.5	0.0%
46. Energy Resources, Inc.	0.5	0.0%
47. PennAmerican Coal LP	0.5	0.0%
Other Producers	<u>119.8</u>	<u>11.1%</u>
Total U.S. Production	1,075.5	100.0%

Notes: Figures are rounded. 2000 data compiled from 2001 NMA survey of major producers. May not be all-inclusive. Any companies not included in this listing are invited to submit data for the next edition. U.S. production Total for 2000 is an EIA preliminary estimate.

¹ Peabody Energy Corp. figure includes production plus sales tonnage.

² Arch Coal figure includes 100% interest in Canyon Fuels (65% ownership).

³ Kennecott Energy figure excludes 50% ownership (tonnage) of Decker Mine.

⁴ North American Coal figure includes Phillips Coal Company's 2000 tonnage.

⁵ Kiewit production figure includes 100% ownership (tonnage) of Decker, Black Butte, and Walnut Creek mine tonnage.

TABLE 3**Major U.S. Underground Coal Mines - 2000
(Million Short Tons)**

	Mine Name	Location	Tonnage	Operating Company
1.	Bailey	Pennsylvania	9.9	CONSOL Energy Inc.
2.	Enlow Fork	Pennsylvania	9.5	CONSOL Energy Inc.
3.	Galatia	Illinois	7.5	The American Coal Co.
4.	Baker	Kentucky	7.2	Lodestar Energy, Inc.
5.	Twentymile	Colorado	7.2	Twentymile Coal Company
6.	McElroy	West Virginia	6.8	CONSOL Energy Inc.
7.	Cumberland	Pennsylvania	6.5	RAG Cumberland Resources LP
8.	Emerald	Pennsylvania	6.2	RAG Emerald Resources LP
9.	Robinson Run	West Virginia	6.0	CONSOL Energy Inc.
10.	SUFCO 1/	Utah	5.9	Canyon Fuel Company
11.	Mountaineer	West Virginia	5.8	Arch Coal, inc.
12.	Blacksville	West Virginia	5.1	CONSOL Energy Inc.
13.	Bowie No. 2	Colorado	5.1	Bowie Resources, Ltd.
14.	Dilworth	Pennsylvania	4.8	CONSOL Energy Inc.
15.	Federal No. 2	West Virginia	4.8	Peabody Energy Subsidiary
16.	Powhatan No. 6	Ohio	4.6	The Ohio Valley Coal Co.
17.	Buchanan	Virginia	4.5	CONSOL Energy Inc.
18.	Deer Creek	Utah	4.3	Energy West Mining Co.
19.	Shoal Creek	Alabama	4.3	Drummond Company, Inc.
20.	Southern Ohio	Ohio	4.3	AEP
21.	Eighty-Four Mine	Pennsylvania	4.2	CONSOL Energy Inc.
22.	Harris No. 1	West Virginia	4.2	Peabody Energy Subsidiary
23.	Trail Mountain	Utah	4.2	Energy West Mining Co.
24.	Camp No. 11	Kentucky	4.1	Peabody Energy Subsidiary
25.	Upper Big Branch	West Virginia	4.1	Performance Coal Co.
26.	Crandall Canyon	Utah	3.9	Genwal Resources, Inc.
27.	Dotiki	Kentucky	3.9	Webster County Coal LLC
28.	U.S. Steel No. 50	West Virginia	3.9	U.S. Steel Mining Co.
29.	Shoemaker	West Virginia	3.6	CONSOL Energy Inc.
30.	West Elk	Wyoming	3.4	Arch Coal, inc.
31.	Justice	West Virginia	3.0	Independence Coal Co.
32.	Skyline 1/	Utah	3.0	Canyon Fuel Company
33.	Maple Creek	Pennsylvania	2.7	Maple Creek Mining, Inc.
34.	Monterey No. 1	Illinois	2.7	Monterey Coal Co.
35.	Rend Lake	Illinois	2.7	CONSOL Energy Inc.
36.	Mettiki	Maryland	2.6	Mettiki Coal LLC
37.	North River	Alabama	2.6	Pittsburg & Midway Coal Mining Co.
38.	No. 4	Alabama	2.4	Jim Walter Resources
39.	Randolph Mine 11	Illinois	2.4	Old Ben Coal Co.
40.	No. 7	Alabama	2.3	Jim Walter Resources
41.	Pattiki	Illinois	2.3	White County Coal LLC
42.	VP #8	Virginia	2.3	CONSOL Energy Inc.
43.	Rockspring	West Virginia	2.2	Rockspring Development, Inc.
44.	Stockton	West Virginia	2.2	Cannelton Ind.
45.	No. 5	Alabama	2.0	Jim Walter Resources
46.	Turris	Illinois	2.0	Turris Coal Company
47.	Windsor Coal Co.	West Virginia	1.9	AEP
48.	Oak Grove	Alabama	1.8	U.S. Steel Mining Co.
49.	Harrison	Ohio	1.7	Harrison Mining Corp.
50.	Clean Energy	Kentucky	1.5	Sidney Coal Company

TABLE 3**Major U.S. Underground Coal Mines - 2000
(Million Short Tons)****(Continued)**

Mine Name	Location	Tonnage	Operating Company
51. Freedom Energy	Kentucky	1.5	Sidney Coal Company
52. Wabash	Illinois	1.5	Wabash Mine Holding Co.
53. Big Mountain No. 16	West Virginia	1.4	Peabody Energy Subsidiary
54. Camp No. 1	Kentucky	1.4	Peabody Energy Subsidiary
55. Huff Creek	Kentucky	1.4	Arch Coal, Inc
56. North Marrowbone	West Virginia	1.4	Marrowbone Development
57. Paradise	Kentucky	1.4	KenAmerican Resources, Inc.
58. Shoshone	Wyoming	1.3	RAG Shoshone Coal Corp.
59. Solid Energy	Kentucky	1.3	Sidney Coal Company
60. Willow Creek	Utah	1.3	Plateau Mining Corp.
61. Straight Creek VG	Kentucky	1.2	Straight Creek Coal Co.
62. Hopkins Island	Kentucky	1.1	Hopkins County Coal LLC
63. Lightfoot No. 2	West Virginia	1.1	Peabody Energy Subsidiary
64. Spruce Mine #1	West Virginia	1.1	Anker West Virginia Mining Co., Inc.
65. Darby Fork	Kentucky	1.0	Arch Coal, Inc
66. Jewell Smokeless	Virginia	0.8	Jewell Smokeless
67. Burrell	Pennsylvania	0.5	PennAmerican Coal LP
68. West Ridge	Utah	0.5	West Ridge Resources Inc.

Note: Figures are rounded. 2000 data compiled from 2001 NMA survey of major producers.
May not be all-inclusive. Any companies not included in this listing are invited to submit data for the next edition.

1/ Figure includes 100% of Arch's 65% interest in Canyon Fuels mine.

TABLE 4

**Major U.S. Surface Coal Mines - 2000
(Million Short Tons)**

	Mine Name	Location	Tonnage	Operating Company
1.	North Antelope/Rochelle	Wyoming	73.1	Peabody Energy Subsidiary
2.	Black Thunder	Wyoming	60.6	Arch Coal, Inc.
3.	Jacobs Ranch	Wyoming	28.3	Kennecott Energy Co.
4.	Cordero	Wyoming	26.1	Kennecott Energy Co.
5.	Caballo	Wyoming	26.1	Peabody Energy Subsidiary
6.	Antelope	Wyoming	23.0	Kennecott Energy Co.
7.	Eagle Butte	Wyoming	18.6	RAG Coal West, Inc.
8.	North Rochelle	Wyoming	17.2	Triton Coal Co., LLC
9.	Freedom	North Dakota	16.2	The Coteau Properties Co.
10.	Buckskin	Wyoming	15.8	Triton Coal Co., LLC
11.	Belle Ayr	Wyoming	15.0	RAG Coal West, Inc.
12.	Martin Lake	Texas	13.1	Texas Utilities Mining Company
13.	Caballo Rojo	Wyoming	12.6	Kennecott Energy Co.
14.	Spring Creek	Montana	11.3	Kennecott Energy Co.
15.	Rosebud	Montana	10.4	Western Energy Co.
16.	Decker ¹	Montana	10.0	Kiewit Mining Group, Inc.
17.	Monticello	Texas	8.6	Texas Utilities Mining Company
18.	Navajo	New Mexico	8.4	BHP
19.	Jewett	Texas	8.2	Northwestern Resources Co.
20.	Kayenta	Arizona	8.0	Peabody Energy Subsidiary
21.	Falkirk	North Dakota	7.7	The Falkirk Mining Company
22.	Sandow	Texas	6.6	Aluminum Co. of America
23.	Bridger	Wyoming	6.5	Bridger Coal Co.
24.	Samples	West Virginia	6.4	Arch Coal, Inc.
25.	Lee Ranch	New Mexico	5.3	Peabody Energy Subsidiary
26.	McKinley	New Mexico	5.2	The Pittsburg & Midway Coal Mining Co.
27.	Colowyo	Colorado	5.2	Kennecott Energy Co.
28.	Absaloka	Montana	4.9	Washington Group Intl.
29.	Black Mesa	Arizona	4.8	Peabody Energy Subsidiary
30.	La Plata	New Mexico	4.6	BHP
31.	Hobet 21	West Virginia	4.5	Arch Coal, Inc.
32.	Fola	West Virginia	4.5	Fola Coal Co. LLC
33.	Twilight MTR	West Virginia	4.4	Progress Coal Company
34.	Big Brown	Texas	4.3	Texas Utilities Mining Company
35.	Kemmerer	Wyoming	3.7	The Pittsburg & Midway Coal Mining Co.
36.	Coal Creek	Wyoming	3.6	Arch Coal, Inc.
37.	Black Butte ²	Wyoming	3.5	Kiewit Mining Group, Inc.
38.	S. Hallsville No. 1	Texas	3.4	The Sabine Mining Co.
39.	San Miguel	Texas	3.4	The North American Coal Corp.
40.	Evergreen	West Virginia	3.2	Evergreen Mining
41.	Ruffner	West Virginia	3.0	Arch Coal, Inc.
42.	Dolet Hills	Louisiana	2.9	Dolet Hills Mining Venture
43.	Beulah	North Dakota	2.7	Knife River Corp.
44.	Wildcat MTR	West Virginia	2.7	Nicholas Energy Co.
45.	San Juan	New Mexico	2.6	BHP
46.	17 West	Kentucky	2.6	17 West Mining
47.	Dry Fork	Wyoming	2.3	Western Fuels-Wyoming
48.	Phoenix	West Virginia	2.2	Arch Coal, Inc.
49.	Trapper	Colorado	2.1	Trapper Mining Inc.
50.	Kindill #2	Indiana	2.1	Kindill Mining
51.	Walnut Creek ²	Texas	1.8	Kiewit Mining Group, Inc.
52.	Usibelli	Alaska	1.6	Usibelli Coal Mine Inc.
53.	Dave Johnston	Wyoming	1.2	Glenrock Coal Co.
54.	Central Ohio Coal Co.	Ohio	1.1	AEP
55.	Centralia	Washington	0.6	Centralia Mining Co.

Note: Figures are rounded. 2000 data compiled from a 2001 NMA survey of major producers.

May not be all-inclusive. Any companies not included in this listing are invited to submit data for the next edition.

¹ Mine jointly owned by Kiewit Mining Group, Inc. and Kennecott Energy Co. (50% each).

² Mine jointly owned by Kiewit Mining Group, Inc. and Anadarko (50% each).

TABLE 5

**Major Multi-Mine Production Complexes - 2000
(Million Short Tons)**

	Complex Name	Location	Tonnage	Company
1.	N. Antelope/Rochelle	Wyoming	73.1	Peabody Energy Subsidiary
2.	Cordero-Rojo	Wyoming	38.6	Kennecott Energy Co.
3.	Arizona Operating Unit	Arizona	12.8	Peabody Energy Subsidiary
4.	Mingo Logan	West Virginia	9.7	Arch Coal, Inc.
5.	Leeco, Inc.	Kentucky	6.3	Leeco, Inc.
6.	Independence	West Virginia	5.9	Massey Energy Co.
7.	Camp Operating Unit	Kentucky	5.5	Peabody Energy Subsidiary
8.	Hobet 21	West Virginia	5.5	Arch Coal, Inc.
9.	Sidney	Kentucky	5.5	Massey Energy Co.
10.	Bledsoe	Kentucky	4.6	Bledsoe Coal Corporation
11.	Premier Elkhorn	Kentucky	4.6	Premier Elkhorn
12.	Elk Run	West Virginia	4.5	Massey Energy Co.
13.	Nicholas	West Virginia	4.4	Massey Energy Co.
14.	Progress	West Virginia	4.4	Massey Energy Co.
15.	Rob Fork	Kentucky	4.3	Branham & Baker
16.	Performance	West Virginia	4.0	Massey Energy Co.
17.	Leslie Resources (Typo)	Kentucky	3.7	AEI Resources, Inc.
18.	Mill Creek	Kentucky	3.7	CONSOL Energy Inc.
19.	Toms Creek	Virginia	3.6	Coastal Coal Company, LLC
20.	Arch of West Virginia	West Virginia	3.5	Arch Coal, Inc.
21.	Jones Fork	Kentucky	3.4	CONSOL Energy Inc.
22.	Martin County	Kentucky	3.2	Massey Energy Co.
23.	McCoy Elkhorn	Kentucky	3.2	McCoy Elkhorn Coal Corporation
24.	Marfolk	West Virginia	3.1	Massey Energy Co.
25.	Marrowbone Dev. (Tug Valley)	West Virginia	3.1	AEI Resources, Inc.
26.	Cannelton Ind. (Lady Dunn)	West Virginia	2.8	AEI Resources, Inc.
27.	Brooks Run	West Virginia	2.6	Coastal Coal-West Va., LLC
28.	Clintwood Elkhorn	Kentucky	2.5	Clintwood Elkhorn
29.	Roxana-Enterprise	Kentucky	2.5	Coastal Coal Co., LLC
30.	Big Mountain/Robin Hood	West Virginia	2.4	Peabody Energy Subsidiary
31.	Moss No. 3 Prep. Plant	Virginia	2.4	Clinchfield Coal Company
32.	Perry County Coal	Kentucky	2.4	Perry County Coal
33.	Lone Mountain	Kentucky	2.3	Arch Coal, Inc.
34.	Alloy Barge Dock	West Virginia	2.1	Vandalia Resources
35.	Harrison	Ohio	2.1	Harrison Processing Corp.
36.	Hopkins County Coal	Kentucky	2.1	Hopkins County Coal LLC
37.	Patriot Operating Unit	Kentucky	2.1	Peabody Energy Subsidiary
38.	Ramsey Prep. Plant	Virginia	2.1	Paramont Coal Corporation
39.	Sunny Ridge (Ken Car)	Kentucky	2.1	AEI Resources, Inc.
40.	Logan County	West Virginia	2.0	Massey Energy Co.
41.	Spruce Fork	West Virginia	2.0	Anker West Virginia Mining Co. Inc.
42.	Excel	Kentucky	1.9	Excel Mining, LLC
43.	Rawl Sales & Processing	West Virginia	1.9	Massey Energy Co.
44.	Straight Creek (Vail)	Kentucky	1.9	AEI Resources, Inc.
45.	Bell County	Kentucky	1.8	Bell County Coal Corporation
46.	McClure River Prep. Plant	Virginia	1.8	Clinchfield Coal Company
47.	Transcontinental	Kentucky	1.8	Lodestar Energy, Inc.
48.	Pardee	Virginia	1.7	Arch Coal, Inc.
49.	Tower Division	Utah	1.6	Andalex Resources, Inc.
50.	Laurel Creek	West Virginia	1.5	Laurel Creek Co.
51.	Pioneer	West Virginia	1.5	Pioneer Fuel Corp.
52.	Campbells Creek	West Virginia	1.3	Arch Coal, Inc.
53.	Midwest	Kentucky	1.3	Peabody Energy Subsidiary
54.	Pike County (Bates Branch)	West Virginia	1.2	AEI Resources, Inc.
55.	Delbarton	West Virginia	1.1	Massey Energy Co.
56.	Kingwood	West Virginia	1.1	Coastal Coal -West Virginia LLC

Note: Figures are rounded. 2000 data compiled from 2001 NMA survey of major producers.
May not be all-inclusive. Any companies not included in this listing are invited to submit data for the next edition.

TABLE 6**Major Holders of U.S. Coal Reserves - 2000
(Billion Short Tons)**

Holder	Estimated Reserves
1. U.S. Government	91.700 *
2. Great Northern Properties Limited Partnership	20.000
3. Peabody Energy Corporation	9.300
4. CONSOL Energy Inc.	4.500
5. Arch Coal, Inc. 1/	3.370
6. The North American Coal Corporation	2.800
7. RAG American Coal Holding Inc.	2.040
8. Massey Energy Company	1.923
9. Kennecott Energy Company	1.800
10. Norfolk Southern Corp. (Pocahontas Land Corp.)	1.780
11. Cravat Coal Company	1.670
12. AEI Resources Inc. (Addington Enterprises, Inc.)	1.613
13. BHP Minerals	1.150
14. Drummond Company, Inc.	1.100
15. Pittston Coal Company	1.100
16. Western Pocahontas Limited Partnership	1.000
17. Triton Coal Company, LLC	0.829
18. Texas Utilities Mining Company (TXU)	0.677
19. Westmoreland Resources, Inc.	0.612
20. ExxonMobil Coal and Minerals Company	0.600
21. Western Energy Co.	0.588
22. Kentucky River Coal Corp.	0.550
23. ANR Coal Company, LLC (Coastal Co.)	0.536
24. Anker Coal Group, Inc.	0.518
25. Alliance Resources Partners	0.466
26. Kiewit Mining Group, Inc.	0.420
27. Lodestar Energy, Inc.	0.420
28. The American Coal Company	0.354
29. Western Fuels Association, Inc.	0.275
30. Usibelli Coal Mine, Inc.	0.250
31. Interwest Mining Company	0.234
32. Pittsburg & Midway Coal Mining Co.	0.218
33. TECO Coal Corporation	0.200
34. Jim Walter Resources, Inc.	0.181
35. American Electric Power Services Corp. (AEP)	0.163
36. AMVEST Minerals Company LLC	0.150
37. Trapper Mining Inc.	0.145
38. Knife River Corporation	0.135
39. U.S. Steel Mining Company, LLC	0.132
40. Northwestern Resources	0.121
41. Canterbury Coal Company	0.112
42. Sun Coke Company	0.110
43. Andalex Resources, Inc.	0.080
44. KenAmerican Resources, Inc.	0.067
45. The Ohio Valley Coal Company	0.052
46. Oxford Mining Company	0.050
47. Aluminum Company of America (ALCOA Inc.)	0.047
48. Pacific Coast Coal	0.020
49. Maple Creek Mining, Inc.	0.015
50. PennAmerican Coal LP	0.011
51. Energy Resources, Inc.	0.004
52. Dolet Hills Mining Venture	N/A
53. James River Coal Company	N/A
54. Quaker Coal Company	N/A

Note: 2000 data compiled from 2001 NMA survey of major producers. May not be all-inclusive.

Any companies not included in this listing are invited to submit data for the next edition.

* U.S. government total is an NMA calculation based on federal ownership of about one-third of the United States' coal resources (Bureau of Land Management, 1993) and estimated recoverable reserves of 275 billion short tons (Energy Information Administration, 1997).

N/A = Not Available. 1/ Includes 100% of Canyon Fuels reserves.

TABLE 7**U.S. Coal Mining Productivity
(Average Tons per Miner per Hour)**

Year	Underground	Surface	All Mines
1985	1.78	4.24	2.74
1986	2.00	4.60	3.01
1987	2.20	4.98	3.30
1988	2.38	5.32	3.55
1989	2.46	5.61	3.70
1990	2.54	5.94	3.83
1991	2.69	6.38	4.09
1992	2.93	6.59	4.36
1993	2.95	7.23	4.70
1994	3.19	7.67	4.98
1995	3.39	8.48	5.38
1996	3.57	9.05	5.69
1997	3.83	9.46	6.04
1998 r/	3.90	9.58	6.20
1999 p/	3.99	10.39	6.61
2000 e/	4.10	10.80	6.90

Note: Data excludes mines producing less than 10,000 short tons/year.

Data latest available. r/ Revised (1998 forward includes office workers). p/ Preliminary.

e/ NMA estimate based on preliminary 2000 MSHA data.

SOURCE: [Energy Information Administration](#), *Coal Industry Annual*.

**NATIONAL MINING ASSOCIATION
ANNUAL SURVEY OF COAL PRODUCTION AND RESERVES**

2000 - Information Request Sheet

Company Name: _____
Your Name and Phone #: _____

Please fax this form to Leslie Coleman: (202) 463-2666 or mail to: Leslie Coleman, National Mining Association, 101 Constitution Ave, Suite 500 E., N.W., Washington, D.C. 20001, telephone: (202) 463-9780, E-Mail: lcoleman@nma.org.

1. Your company=s total coal production for calendar year 2000:

U.S. Production: _____ Million Short Tons
U.S. Production Including Sales: _____ Million Short Tons
Foreign Production Excluding U.S. (If applicable): _____ Million Short Tons

2. Surface coal mines operated by your company or its subsidiaries with production for 2000 of 2 million tons or more:

Name of Mine	Location (State)	2000 Tonnage	Operating Company
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

3. Underground coal mines operated by your company or its subsidiaries with production for 2000 of 1 million tons or more:

Name of Mine	Location (State)	2000 Tonnage	Operating Company
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

4. Multi-mine production complexes operated by your company or its subsidiaries with tonnage for 2000 of 1 million tons or more (these are facilities which are not a single mine, but which process production from several mines):

Name of Complex	Location (State)	2000 Tonnage	Operating Company
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

5. Your Company=s total estimated U.S. coal reserves: _____ Short Tons.