

**Table 7.6 Coal Mining Productivity, Selected Years, 1949-2003**  
(Short Tons per Miner Hour <sup>1</sup>)

Year	Mining Method		Location						Total <sup>2</sup>
	Underground	Surface <sup>2</sup>	East of the Mississippi			West of the Mississippi			
			Underground	Surface <sup>2</sup>	Total <sup>2</sup>	Underground	Surface <sup>2</sup>	Total <sup>2</sup>	
1949	<sup>3</sup> 0.68	<sup>3</sup> 1.92	NA	NA	NA	NA	NA	NA	0.72
1950	<sup>3</sup> 0.72	<sup>3</sup> 1.96	NA	NA	NA	NA	NA	NA	0.76
1955	<sup>3</sup> 1.04	<sup>3</sup> 2.65	NA	NA	NA	NA	NA	NA	1.14
1960	<sup>3</sup> 1.33	<sup>3</sup> 2.91	NA	NA	NA	NA	NA	NA	1.52
1965	<sup>3</sup> 1.75	<sup>3</sup> 4.10	NA	NA	NA	NA	NA	NA	2.09
1970	<sup>3</sup> 1.72	<sup>3</sup> 4.53	NA	NA	NA	NA	NA	NA	2.30
1971	<sup>3</sup> 1.50	<sup>3</sup> 4.49	NA	NA	NA	NA	NA	NA	2.19
1972	<sup>3</sup> 1.49	<sup>3</sup> 4.54	NA	NA	NA	NA	NA	NA	2.18
1973	<sup>3</sup> 1.46	<sup>3</sup> 4.58	NA	NA	NA	NA	NA	NA	2.16
1974	<sup>3</sup> 1.41	<sup>3</sup> 4.74	NA	NA	NA	NA	NA	NA	2.31
1975	<sup>3</sup> 1.19	<sup>3</sup> 3.26	NA	NA	NA	NA	NA	NA	1.81
1976	<sup>3</sup> 1.14	<sup>3</sup> 3.25	NA	NA	NA	NA	NA	NA	1.78
1977	<sup>3</sup> 1.09	<sup>3</sup> 3.16	NA	NA	NA	NA	NA	NA	1.80
1978	<sup>3</sup> 1.04	<sup>3</sup> 3.03	NA	NA	NA	NA	NA	NA	1.77
1979	1.13	3.08	NA	NA	NA	NA	NA	NA	1.81
1980	1.20	3.21	NA	NA	NA	NA	NA	NA	1.93
1981	1.29	3.42	NA	NA	NA	NA	NA	NA	2.10
1982	1.37	3.36	NA	NA	NA	NA	NA	NA	2.11
1983	1.61	3.81	NA	NA	NA	NA	NA	NA	2.50
1984	1.72	4.03	1.69	2.56	1.98	2.49	8.15	7.07	2.64
1985	1.78	4.24	1.75	2.52	2.00	2.45	8.61	7.40	2.74
1986	2.00	4.60	1.96	2.75	2.21	2.80	9.02	7.90	3.01
1987	2.20	4.98	2.16	2.97	2.42	3.39	9.86	8.73	3.30
1988	2.38	5.32	2.32	2.99	2.54	3.55	10.73	9.38	3.55
1989	2.46	5.61	2.39	3.13	2.63	3.92	11.86	10.21	3.70
1990	2.54	5.94	2.46	3.32	2.73	4.01	12.26	10.41	3.83
1991	2.69	6.38	2.59	3.49	2.86	4.53	12.36	10.79	4.09
1992	2.93	6.59	2.82	3.61	3.07	4.85	12.49	11.03	4.36
1993	2.95	7.23	2.81	3.74	3.11	5.18	13.94	12.14	4.70
1994	3.19	7.67	3.02	3.85	3.28	5.93	15.19	13.22	4.98
1995	3.39	8.48	3.19	4.03	3.45	6.32	16.23	14.18	5.38
1996	3.57	9.05	3.36	4.25	3.63	7.03	17.89	15.66	5.69
1997	3.83	9.46	3.63	4.49	3.89	6.82	18.63	16.04	6.04
1998	3.90	9.58	3.69	4.31	3.89	6.76	18.82	16.27	6.20
1999	3.99	10.39	3.74	4.48	3.97	7.45	19.57	17.18	6.61
2000	4.15	11.01	3.89	4.82	4.18	7.66	20.04	17.62	6.99
2001	4.02	<sup>2</sup> 10.58	3.71	<sup>2</sup> 4.53	<sup>2</sup> 3.98	8.39	<sup>2</sup> 20.63	<sup>2</sup> 18.32	<sup>2</sup> 6.82
2002	3.98	10.36	3.67	4.22	<sup>R</sup> 3.86	7.80	20.67	18.06	6.80
2003 <sup>P</sup>	4.06	10.66	3.70	4.13	3.85	8.31	21.35	18.64	6.95

<sup>1</sup> Data through 1973 for bituminous, subbituminous, and lignite mines, and data through 1978 for anthracite mines, were originally reported in short tons per miner day. The data were converted to short tons per miner hour by assuming an eight-hour day. All remaining data were calculated by dividing total production by total labor hours worked by all mine employees except office workers.

<sup>2</sup> Beginning in 2001, includes a small amount of refuse recovery.

<sup>3</sup> Anthracite mining productivity is unavailable by underground and surface but is included in "Total."

R=Revised. P=Preliminary. NA=Not available.

Web Pages: • For data not shown for 1951-1969, see <http://www.eia.doe.gov/emeu/aer/coal.html>.

• For related information, see <http://www.eia.doe.gov/fuelcoal.html>.

Sources: • 1949-1975—Bureau of Mines, *Minerals Yearbook*, "Coal—Bituminous and Lignite" and "Coal—Pennsylvania Anthracite" chapters. • 1976—Energy Information Administration (EIA), *Energy Data Reports, Coal—Bituminous and Lignite in 1976 and Coal—Pennsylvania Anthracite 1976*. • 1977 and 1978—EIA, *Energy Data Reports, Bituminous Coal and Lignite Production and Mine Operations—1977; 1978 and Coal—Pennsylvania Anthracite 1977; 1978*. • 1979—EIA, *Energy Data Report, Coal Production—1979*. • 1980-1988—EIA, *Coal Production*, annual reports. • 1989-2000—EIA, *Coal Industry Annual*, annual reports. • 2001 and 2002—EIA, *Annual Coal Report 2002* (November 2003), Table 21. • 2003—EIA, Form EIA-7A, "Coal Production Report," and U.S. Department of Labor, Mine Safety and Health Administration, Form 7000-2, "Quarterly Mine Employment and Coal Production Report."