

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	<b>Coal extraction data</b>													
2	<b>Richard Heede</b>													
3	<i>Climate Mitigation Services</i>													
4	File started: 11 January 2005													
5	Last modified: August 2011													
6	<b>Copyright Climate Mitigation Services</b>													
7														
8														
9	<b>Massey Energy Company, USA</b>											yellow column indicates original reported units		
10	www.masseyenergyco.com Richmond, Virginia													
11	<b>Production / Extraction data</b>													
12	<b>Year</b>	<b>Bituminous coal</b>		<b>Metallurgical coal</b>		<b>Total Coal</b>								
13		<b>Gross production</b>	<b>Gross production</b>	<b>Gross production</b>	<b>Gross production</b>	<b>Gross production</b>	<b>Gross production</b>							
14		Million tons/yr	Million tonnes/yr	Million tons/yr	Million tonnes/yr	Million tons/yr	Million tonnes/yr							
15														
16	1950													
17	1951													
18	1952													
19	1953													
20	1954													
21	1955													
22	1956													
23	1957													
24	1958													
25	1959													
26	1960													
27	1961													
28	1962													
29	1963													
30	1964													
31	1965													
32	1966													
33	1967													
34	1968													
35	1969													
36	1970													
37	1971													
38	1972													
39	1973													
40	1974													
41	1975													
42	1976													
43	1977													
44	1978													
45	1979													
46	1980													
47	1981													
48	1982													
49	1983													
50	1984													
51	1985													
52	1986													
53	1987													
54	1988													
55	1989													
56	1990													
57	1991													
58	1992													
59	1993													
60	1994													
61	1995													
62	1996													
63	1997													
64	1998													
65	1999													
66	2000													
67	2001													
68	2002													
69	2003													
70	2004													
71	2005													
72	2006													
73	2007													
74	2008													
75	2009													
76	2010													
77														
78														
79														
80														
81														
82														

**Richard Heede**  
*Climate Mitigation Services*  
 File started: 11 January 2005  
 Last modified: August 2011

**Copyright Climate Mitigation Services**

**Massey Energy Company, USA**

yellow column indicates original reported units

www.masseyenergyco.com Richmond, Virginia

**Production / Extraction data**

Year	Bituminous coal		Metallurgical coal		Total Coal	
	Gross production	Gross production	Gross production	Gross production	Gross production	Gross production
	Million tons/yr	Million tonnes/yr	Million tons/yr	Million tonnes/yr	Million tons/yr	Million tonnes/yr

1945 – A.T. Massey acquired its first mining operation and expanded its business to include coal mining and processing.

Founded in 1920.

(in millions, except per share, per ton and number of employees amounts)	Year Ended December 31,				
	2007	2006	2005	2004	2003
Produced tons sold	39.9	39.1	42.3	40.4	41.0
Tons produced	39.5	38.6	43.1	42.0	41.0
Number of employees	5,407	5,517	5,709	5,034	4,428

SEC Form 10-K risk statement on Climate Change

Massey Annual Report 2007

**Massey Energy®**

Massey Energy is being acquired by Alpha Natural Resources in 2011.

	million tons/yr	million tonnes/yr
Keystone Manual	14.0	12.7
1981-2002 (total tons mined)	18.5	16.8
	18.2	16.5
	23.5	21.4
	24.4	22.1
	23.2	21.1
	17.7	16.1
	17.0	15.4
	16.9	15.3
	18.7	17.0
	16.9	15.3
	18.0	16.3
	22.0	20.0
interpolated	25.4	23.0
	28.7	26.0
	31.9	28.9
	34.5	31.3
Massey AnnRpts	37.9	34.4
	38.8	35.2
tons produced	41.0	37.2
	45.1	40.8
	43.9	39.9
	41.0	37.2
	42.0	36.7
	43.1	38.4
	38.6	35.5
	39.5	36.2
	41.1	37.2
	36.7	33.3
	37.1	33.7

1989 – Vantage Mining property was acquired from Pittston.

1991 – Big Creek properties were acquired from Island Creek and Long Fork Coal Company v

Utility & Ind coal bituminous	million tons/yr		Metallurgical coal	million tons/yr	
19.7	19.7		18.2	18.2	Massey AnnRpts
23.9	23.9		14.9	14.9	
27.0	27.0		14.0	14.0	
32.0	32.0		13.0	13.0	
33.1	33.1		10.9	10.9	
31.4	31.4	Massey AnnRpts	9.6	9.6	
30.0	30.0		10.4	10.4	
32.9	32.9		9.4	9.4	
31.3	31.3		7.8	7.8	
31.4	31.4		8.5	8.5	
31.1	31.1		9.9	9.9	
29.3	29.3		7.4	7.4	
29.2	29.2		7.9	7.9	

reserves of 2.3 billion tons (Dec08)

<b>Total</b>	<b>382</b>	<b>-</b>	<b>142</b>	<b>334</b>	<b>894</b>	<b>811</b>
--------------	------------	----------	------------	------------	------------	------------

Total coal sales 1998-2010 (tons) 524

<b>Coal Types:</b>	Bituminous	72.93%	Metallurgical	27.07%	(1998-2010 only)	100.00%
--------------------	------------	--------	---------------	--------	------------------	---------

**Cell:** J9**Comment:** Rick Heede:

History (wikipedia):

A.T. Massey incorporated the A.T. Massey Coal Company in 1920 as a coal brokering business in Richmond, Va., and served as the company's first president. A.T. Massey acquired its first mining operation in 1945 and expanded its business to include coal mining and processing. Several members of the Massey family succeeded A.T. Massey as company president, including Evan Massey in 1945, William E. Massey in 1962 and E. Morgan Massey in 1972.

St. Joe Minerals acquired a majority interest in A.T. Massey in 1974. Six years later, St. Joe Minerals formed the Massey Coal Partnership, along with Royal Dutch Shell. In 1981, the Fluor Corporation acquired St. Joe Minerals. In 1984, the United Mine Workers of America went on strike against A.T. Massey, sparking a series of confrontations documented in the film Mine War on Blackberry Creek and in 1987, the Massey Coal Partnership was reorganized into A.T. Massey Coal Company, a wholly owned mining subsidiary of Fluor Corporation, initiating a period of significant growth through acquisitions.

In 1992 Don Blankenship was appointed President, Chairman and CEO of A.T. Massey Coal Company; he served as the Chairman and CEO of Massey for 18 years. Under Blankenship's direction and leadership, the growth of the late-80s continued and accelerated with several more acquisitions taking place and the establishment of a number of subsidiaries.

A.T. Massey completed a reverse spin-off from Fluor Corporation in 2000 and was renamed Massey Energy Company. Today, Massey Energy produces, processes, and sells bituminous coal of steam and metallurgical grades, primarily of low sulfur content, through its 22 processing and shipping centers, called "resource groups," many of which receive coal from multiple coal mines. Massey currently operates 35 underground mines and 12 surface mines in West Virginia, Kentucky and Virginia. In 2007, Massey announced a strategic alliance with Essar Mineral Resources Ltd., a member of Essar Group of India, to jointly evaluate and develop select business opportunities on a project-by-project basis.

The company recently promoted several executives to new positions. In November 2008, Massey promoted Baxter Phillips Jr., formerly executive vice president and chief administrative officer, to president, a position previously held by Massey Chairman and CEO Don Blankenship. Phillips' new position will focus on Massey Energy's strategic growth plans and will continue to manage sales, finance, human resources, information systems and investor relations at the company's Richmond headquarters.

In January 2009, the company promoted John M. Poma to vice president and chief administrative officer, Jeffrey M. Gillenwater to vice president of human resources and Steve Sears to vice president of sales and marketing, nearly a year after promoting Shane Harvey to general counsel.

On Dec. 31, 2010, longtime CEO Don Blankenship stepped down, and was replaced as CEO by Massey President Baxter F. Phillips Jr.

Sale of Massey to Alpha: On June 1, 2011, shareholders of Alpha Natural Resources agreed to buy Massey Energy for \$7.1 billion, making it the nation's largest metallurgical coal company. Some shareholder groups had tried to block the sale claiming that Massey managers had engineered the sale of the company to protect themselves from liabilities and had arranged new management jobs with Alpha.

**Cell:** D11**Comment:** Rick Heede:

Coal production by coal mining companies and state-owned enterprises, including subsidiaries of oil and gas companies.

Coal types produced are not ordinarily reported by coal operators (except for metallurgical coal). We distinguish, where possible and reasonably well known, between hard (bituminous and subbituminous) and soft (lignite or peat) coals, especially for the larger companies operating in regions such as Australia and India where soft coals are predominant. Soft coals have lower carbon content per tonne than do hard coals.

**Cell:** D26**Comment:** Rick Heede:

AnnRpt, page 18: "Global Climate Change

The United States has not implemented the 1992 Framework Convention on Global Climate Change ("Kyoto Protocol"), which became effective for many countries on February 16, 2005. The Kyoto Protocol was intended to limit or reduce emissions of greenhouse gases, such as carbon dioxide. The United States has not ratified the emission targets of the Kyoto Protocol or any other greenhouse gas agreement among parties.

Nevertheless, global climate change continues to attract considerable public and scientific attention and a considerable amount of legislative attention in the United States is being paid to global climate change and the reduction of greenhouse gas emissions, particularly from coal combustion by power plants. Enactment of laws and passage of regulations regarding greenhouse gas emissions by the United States or some of its states, or other actions to limit carbon dioxide emissions, could result in electric generators switching from coal to other fuel sources. " See also pp 26-27.

**Cell:** B40**Comment:** Rick Heede:

1974 - St. Joe Minerals acquired a majority interest in A.T. Massey.

**Cell:** B46**Comment:** Rick Heede:

company website: "1980 - Royal Dutch Shell and St. Joe Minerals formed the Massey Coal Partnership."

**Cell:** J47**Comment:** Rick Heede:

Keystone Coal Industry Manual (1984), p. 707, shows A. T. Massey Group production data for 1982 and 1983 as well as 1982 being 32.3 percent above 1981.

**Cell:** B55**Comment:** Rick Heede:

"1989 - Vantage Mining property was acquired from Pittston."

**Cell:** B57**Comment:** Rick Heede:

company website: "1991 - Big Creek properties were acquired from Island Creek and Long Fork Coal Company was established."

**Cell:** G64**Comment:** Rick Heede:

Metallurgical coal production from 1998 to 2004 from Massey (2005) AnnRpt 2004.

**Cell:** J64**Comment:** Rick Heede:

Sum of utility, industrial, and metallurgical coal sales by year, from company annual reports and Form 10-Ks.

**Cell:** H67**Comment:** Rick Heede:

Massey Energy Annual Rpt 2005, page 16.

**Cell:** B68

Richard Heede

**Comment:** Rick Heede:  
company website: "2002 – Massey acquired the assets of Pittston Coal Company's Holston mining operations."

**Cell:** D69

**Comment:** Rick Heede:  
Massey AnnRpt for 2004, p. 62 (their 10-K submission). Lists 2003 and 2004, and does breaks out metallurgical and utility and industrial coal production; we combine util and ind'l coal.

**Cell:** H70

**Comment:** Rick Heede:  
Massey Energy Annual Rpt 2008, "Highlights", lists both production and coal sales for 2004-2008. Details on page 6, though not including coal type.

**Cell:** G73

**Comment:** Rick Heede:  
Massey Energy Annual Rpt 2008, page 40: Utility plus industrial coal sales in 2007 and 2008 in column "D", and metallurgical coal sales in column "G".

**Cell:** B74

**Comment:** Rick Heede:  
company website / history: "Massey currently operates 35 underground mines and 12 surface mines in West Virginia, Kentucky, and Virginia." "We produce, process and sell bituminous coal of various steam and metallurgical grades, primarily of a low sulfur content."

**Cell:** D75

**Comment:** Rick Heede:  
Massey Energy Form 10-K for 2010, page 57. CMS adds industrial and utility coal "produced tons sold."

**Cell:** M81

**Comment:** Rick Heede:

Left Intentionally Blank