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Coal extraction data

Richard Heede
Climate Accountability Institute
File started: 11 January 2005
Last modified: July 2019



U.S. Environmental Protection Agency (2001) Coal Mine Methane in Ukraine:
Opportunities For Production and Investment in the Donetsk Coal Basin,
Washington DC, 127 pp., www.epa.gov/cmop/docs/ukraine_handbook.pdf

Ukraine

www. location

Production / Extraction data

Lignite & Sub-bituminous

Bituminous & Anthracite

Metallurgical

Total

Total

Gross production

Million tons/yr

Million tons/yr

Million tons/yr

Million tonnes/yr



EIA total primary coal excludes metallurgical

EIA coal production data for Ukraine 1992-2010 (see page 2 for details).

Included in Former Soviet Union (FSU) coal production 1900-1991

EIA coal stats:

Total

-

7

817

417

541

1,781

1,685

Subtotal 1992-2017

Coal Types:

Lignite: 0.00%

Sub-Bituminous 0.37%

Bituminous 45.86%

Anthracite 23.4%

Metallurgical 30.38%

1,781

Msht

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
92																
93																
94	EIA statistics, "International Energy Statistics" 1980 - forward															
95	Ukraine															
96	EIA data updated June 2019															
97																
98	Lignite EIA coal stats: thousand tons	Sub-bituminous EIA coal stats: thousand tons	Bituminous EIA coal stats: thousand tons	Anthracite EIA coal stats: thousand tons												
99																
100																
101																
102	1980	--	--	--	--	--	--	--	--	--	--	--				
103	1981	--	--	--	--	--	--	--	--	--	--	--				
104	1982	--	--	--	--	--	--	--	--	--	--	--				
105	1983	--	--	--	--	--	--	--	--	--	--	--				
106	1984	--	--	--	--	--	--	--	--	--	--	--				
107	1985	--	--	--	--	--	--	--	--	--	--	--				
108	1986	--	--	--	--	--	--	--	--	--	--	--				
109	1987	--	--	--	--	--	--	--	--	--	--	--				
110	1988	--	--	--	--	--	--	--	--	--	--	--				
111	1989	--	--	--	--	--	--	--	--	--	--	--				
112	1990	--	--	--	--	--	--	--	--	--	--	--				
113	1991	--	--	--	--	--	--	--	--	--	--	--				
114	1992	-	506	61,052	32,941		41,510	136,009		149.2	135.3					
115	1993	-	434	52,315	28,227		35,569	116,545		128.6	116.7					
116	1994	-	355	42,802	23,094		29,101	95,352		105.7	95.9					
117	1995	-	313	37,753	20,370		25,668	84,104		94.1	85.4					
118	1996	-	234	28,186	15,208		19,164	62,792		78.9	71.5					
119	1997	-	240	28,984	15,638		19,706	64,568		85.7	77.7					
120	1998	-	244	29,455	15,893		20,027	65,619		85.8	77.9					
121	1999	-	258	31,084	16,772		21,134	69,248		90.8	82.4					
122	2000	-	256	30,878	16,660		20,994	68,788		89.8	81.5					
123	2001	-	253	30,522	16,468		20,752	67,995		93.0	84.3					
124	2002	-	252	30,459	16,434		20,709	67,854		91.7	83.2					
125	2003	-	263	31,783	17,148		21,609	70,803		89.2	80.9					
126	2004	-	244	29,485	15,909		20,047	65,685		90.4	82.0					
127	2005	-	248	29,867	16,115		20,307	66,537		87.7	79.6					
128	2006	-	253	30,515	16,465		20,748	67,981		89.1	80.8					
129	2007	-	263	31,773	17,143		21,603	70,782		85.1	77.2					
130	2008	-	264	31,886	17,204		21,679	71,033		88.1	79.9					
131	2009	-	245	29,508	15,921		20,062	65,736		82.0	74.4					
132	2010	-	236	28,530	15,394		19,398	63,558		85.2	77.3					
133	2011	-	257	31,017	16,735		21,088	69,097		93.9	85.2					
134	2012	-	269	32,421	17,493		22,043	72,226		96.2	87.3					
135	2013	-	264	31,879	17,200		21,675	71,018		93.4	84.8					
136	2014	-	188	27,594	9,596		13,252	50,630		70.6	64.0					
137	2015	-	141	23,036	3,116		11,697	37,990		42.5	38.5					
138	2016	-	146	24,153	3,393		11,569	39,261		46.0	41.7					
139	2017									37.7	34.2					
140	2018									38.0	34.4					
141	2019															
142	https://www.eia.gov/beta/international/data/browser/index.cfm															
143																
144																
145	subt. 1992-2016	-	6,626	816,937	416,537		541,111	1,781,211								
146	percent of 2016		0.4%	61.5%	8.6%		29.5%	100.0%								
147	% 1992-2016	0.0%	0.4%	45.9%	23.4%		30.4%	100.0%								
148																
149																
150	Table 34-1. Ukraine's Coal Reserves and Production															
151																
152																
153	Indicator		Anthracite & Bituminous (million tonnes)		Sub-bituminous & Lignite (million tonnes)		Total (million tonnes)		Global Rank (# and %)							
154																
155																
156	Estimated Proved Coal Reserves (2009)*		15,351		18,522		33,873		6 (4.1%)							
157	Annual Coal Production (2010)**		58.7		0.2		58.9		11 (1.2%)							
158																
159																
160																
161	Source: *BP (2010); **IEA (2010)															
162	Table 34-4. Ukraine's CMM Emissions (million cubic meters)															
163																
164	Emission Category	1990	1991	1992	1993	1994	1995	1996	1997	1998						
165																
166	Underground mining - active	3557.51	3276.00	3161.00	2615.28	2414.07	1945.49	1881.85	1839.08	1852.92						
167	Underground - post-mining	306.41	253.07	251.81	219.87	180.82	160.20	138.05	146.72	146.72						
168	Surface mining - active	12.79	9.91	7.97	5.72	3.68	3.16	2.19	1.97	1.93						
169	Surface - post-mining	1.83	1.41	1.14	0.82	0.52	0.45	0.31	0.28	0.27						
170	Total Emissions	3878.53	3540.40	3421.92	2841.69	2599.10	2109.30	2022.41	1988.05	2001.84						
171	Additional Recovered and Flared	144.77	137.97	88.22	69.38	94.89	89.03	48.06	56.74	83.26						
172																
173	Emission Category	1999	2000	2001	2002	2003	2004	2005	2010*	2015*						
174																
175	Underground mining - active	1819.07	2039.44	1684.68	1911.38	1864.53	1890.53	1837.13								
176	Underground - post-mining	157.36	156.06	163.33	160.77	156.83	159.02	154.53								
177	Surface mining - active	1.63	1.47	1.43	1.23	0.88	0.77	0.43								
178	Surface - post-mining	0.23	0.21	0.20	0.18	0.13	0.11	0.06								
179	Total Emissions	1978.29	2197.18	1849.65	2073.55	2022.37	2050.42	1992.14	1713.60	1663.9						
180	Additional Recovered and Flared	78.93	72.91	134.28	152.35	148.62	150.69	146.43								
181																
182	Source: UNFCCC (2007); *USEPA (2006) – estimated and projected															
183	Global Methane Initiative (2010) <i>Coal Mine Methane Country Profiles: Ukraine</i> , chapter 34, www.globalmethane.org/tools-resources/coal_overview.aspx															
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Ukraine

Cell: G9

Comment: Rick Heede:

History: Coal mining began in Ukraine in 1870. In 1913, Donetz produced 87% of the coal in the Russian Empire. It produced 50% of the metallurgical coal of the USSR. Like other Soviet enterprises, coal companies provided social facilities including schools and hospitals.

Coal mining began in Ukraine in 1870. In 1913, Donetz produced 87% of the coal in the Russian Empire. It produced 50% of the metallurgical coal of the USSR. Like other Soviet enterprises, coal companies provided social facilities including schools and hospitals.

Ukraine's coal reserves are estimated at 60 billion tonnes, of which 23 billion are proven and probable, and 10 billion tonnes are economically extractable. According to the Ukrainian mining trade union, coal constitutes 95% of Ukraine's domestic energy resources.

https://en.wikipedia.org/wiki/Coal_in_Ukraine

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: H52

Comment: Rick Heede:

EIA (2011) International Energy Statistics on World Coal Production (lignite, bituminous, anthracite, and metallurgical coal), by country; data for 1980-2009; total Primary Coal Production data extends to 2010.
www.eia.gov/emeu/international/energy.html or www.eia.gov/countries/data.cfm.

Cell: F55

Comment: Rick Heede:

EIA (2011) International Energy Statistics on World Coal Production (lignite, bituminous, anthracite, and metallurgical coal), by country; data for 1980-2009; total Primary Coal Production data extends to 2010.
www.eia.gov/emeu/international/energy.html or www.eia.gov/countries/data.cfm.

Cell: O56

Comment: Rick Heede:

BP Statistical Review of World Energy for 2018, June 2019.

Cell: K75

Comment: Rick Heede:

EIA countries data <http://www.eia.gov/countries/country-data.cfm?fips=UP>

Cell: N83

Comment: Rick Heede:

CAI adopts coal production data for 2017 and 2018 from the BP Statistical Review 2018.
Subject to revision once EIA data is available.

Cell: J94

Comment: Rick Heede:

EIA (2019) International Energy Statistics on World Coal Production (lignite, bituminous, anthracite, and metallurgical coal), by country; data for 1980-2017; <https://www.eia.gov/beta/international/data/browser/>

Cell: H96

Comment: Rick Heede:

EIA (2019) International Energy Statistics on World Coal Production (lignite, bituminous, anthracite, and metallurgical coal), by country; data for 1980-2017; <https://www.eia.gov/beta/international/data/browser/>

Cell: M157

Comment: Rick Heede:

GMI (2010) Ukraine, section 34.1.1: "It should be noted that Table 34-1 contains data on raw coal production. To understand actual coal production in Ukraine, it is more useful to consider washed coal statistics. In 2004, Ukraine produced 80.5 Mmt of raw coal but only 60 million tons of washed coal. Ukrainian coal undergoes substantial washing because of typically high levels of contaminants, which can result in as much as a 25 percent product loss (Raptsun, 2008)."

Cell: N163

Comment: Rick Heede:

Source: Global Methane Initiative (2010) Coal Mine Methane Country Profiles, Kazakhstan, chapter 20, www.globalmethane.org/tools-resources/coal_overview.aspx
Section 34.1.3: "In 2001, 77 percent of operating mines were considered gassy. At some mines, the natural gas content can exceed 35 cubic meters (m³) per tonne of dry ash-free coal (PEER, 2002)."

Cell: O191

Comment: Rick Heede:

Ukraine

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