

Coal extraction data

Richard Heede
 Climate Mitigation Services
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Former Soviet Union

yellow column indicates original reported units

www. location

Production / Extraction data

Year	Lignite		Bituminous & Anthracite		Total Coal	
	Gross production	Gross production	Gross production	Gross production	Gross production	Gross production
	Million tons/yr	Million tons/yr	Million tons/yr	Million tons/yr	Million tons/yr	Million tonnes/yr

- 16 1900
- 17 1901
- 18 1902
- 19 1903
- 20 1904
- 21 1905
- 22 1906
- 23 1907
- 24 1908
- 25 1909
- 26 1910
- 27 1911
- 28 1912
- 29 1913
- 30 1914
- 31 1915
- 32 1916
- 33 1917
- 34 1918
- 35 1919
- 36 1920
- 37 1921
- 38 1922
- 39 1923
- 40 1924
- 41 1925
- 42 1926
- 43 1927
- 44 1928
- 45 1929
- 46 1930
- 47 1931
- 48 1932
- 49 1933
- 50 1934
- 51 1935
- 52 1936
- 53 1937
- 54 1938
- 55 1939
- 56 1940
- 57 1941
- 58 1942
- 59 1943
- 60 1944
- 61 1945
- 62 1946
- 63 1947
- 64 1948
- 65 1949
- 66 1950
- 67 1951
- 68 1952
- 69 1953
- 70 1954
- 71 1955
- 72 1956
- 73 1957
- 74 1958
- 75 1959
- 76 1960
- 77 1961
- 78 1962
- 79 1963
- 80 1964
- 81 1965
- 82 1966
- 83 1967
- 84 1968
- 85 1969



16.0	Zimmermann's (1972)
15.5	interpolated
15.0	interpolated
14.5	interpolated
14.0	interpolated
13.5	interpolated
13.0	interpolated
12.5	interpolated
12.0	interpolated
11.5	interpolated
11.0	interpolated
10.5	interpolated
10.0	interpolated
9.5	interpolated
9.0	interpolated
8.5	interpolated
8.0	interpolated
7.5	interpolated
7.0	interpolated
6.5	interpolated
6.0	Zimmermann's
9.4	interpolated
12.8	interpolated
16.2	interpolated
19.6	interpolated
23.0	interpolated
26.4	interpolated
29.8	interpolated
33.2	interpolated
36.6	interpolated

USSR	USSR
Lignite	Bitumin. & Anthrac.
6.889	63.775
19.722	67.339
25.804	85.547
15.9	148.7
excl lignite & Asia coal & lignite	146.8
excl lignite & Asia coal & lignite	90.0
excl lignite & Asia coal & lignite	131.5
excl lignite & Asia coal & lignite	118.0
excl lignite & Asia coal & lignite	146.0
excl lignite & Asia coal & lignite	161.0
excl lignite & Asia coal & lignite	170.0
35.0	170.0
35.0	201.0
40.0	234.0
42.0	239.0
44.0	256.0
105.9	247.3
114.1	288.6
126.4	304.9
138.0	335.1
148.8	362.1
157.4	389.1
160.9	397.4
27%	73%
152.4	413.8
147.2	416.0
144.4	426.5
150.6	436.0
160.0	451.1
165.2	472.2
161.4	484.5
158.5	498.0
152.4	503.7
159.1	430.9

US Bureau of Mines	US Bureau of Mines
1930-1969	1930-1969
Total coal & lignite	Total coal & lignite
million tonnes	million tonnes
40.0	40.0
50.4	50.4
70.7	70.7
87.1	87.1
111.4	111.4
109.0	109.0
126.5	126.5
126.9	126.9
132.9	132.9
165.0	165.0
interpolated	interpolated
197.1	197.1
interpolated	interpolated
222.0	222.0
interpolated	interpolated
247.0	247.0
139.1	139.1
126.9	126.9
146.6	146.6
161.0	161.0
175.0	175.0
205.0	205.0
236.0	236.0
274.0	274.0
281.0	281.0
300.0	300.0
353.2	353.2
402.7	402.7
431.3	431.3
473.1	473.1
510.9	510.9
546.5	546.5
558.3	558.3
566.2	566.2
563.2	563.2
570.9	570.9
586.5	586.5
611.1	611.1
637.4	637.4
646.0	646.0
656.6	656.6
656.2	656.2
590.0	590.0

Cell: K11**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: M16**Comment:** Rick Heede:

"USSR" coal production in 1900, 1920, 1940, and 1950, includes lignite, bituminous, and anthracite. Peach, W. N., & James A. Constantin (1972) Zimmermann's World Resources and Industries, third edition, page 364.

Cell: G45**Comment:** Rick Heede:

Soviet production includes Svalbard production-sharing with Norway (~0.4 million tons per year).

Cell: J56**Comment:** Rick Heede:

United States Bureau of Mines (1945) Minerals yearbook 1943, by E. W. Pehrson, E. W., and Young, W. H.; Anderson, R. L., et al. Coal: bituminous coal and lignite, pp. 932-943. Table 66: World Production of coal and lignite; add Europe and Asia entries for U.S.S.R.. Note: we add Europe data for 1943 to 1938 production of coal and lignite in far eastern U.S.S.R. (1939-1943 production NA).

Cell: F92**Comment:** Rick Heede:

EIA (2011) International Energy Statistics on World Coal Production (lignite, bituminous, anthracite, and metallurgical coal), by country; data for 1980-2017, of which we show FSU coal production by rank for 1980-1991. For 1992-forward we report data separately for Russian Federation, Poland, Ukraine, and Kazakhstan.
<https://www.eia.gov/beta/international/data/browser/index.cfm>

Cell: N121**Comment:** Rick Heede:

Partners in Economic Reform (1993) Program to Support the Restructuring of the Russian Coal Industry, Washington DC, W.J. Usury, Chairman, 186 pp. Map of Kuznetz region Appendix A page 120.

Cell: H129**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: P175**Comment:** Rick Heede:

Cell: P176
Comment: Rick Heede:

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