

REPORT IN FIGURES

2023 preliminary



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The Hard Coal Market in Germany

Volumes and Prices 1957 - 2023

Volumes and Prices 1957 - 2023															
Quantities								Prices							
Imports of Hard Coal and Coke t=t ¹⁾				Domestic Production of Hard Coal Tonnes Usable Production				Steam Coal From Third Countries ¹⁾				Domestic Coal ²⁾			
Year	Mill. t	Year	Mill. t	Year	Mill. t	Year	Mill. t	Year	€/TCE	Year	€/TCE	Year	€/TCE	Year	€/TCE
1957	18,9	1991	16,8	1957	149,4	1991	66,1	1957	40	1991	46	1957	29	1991	139
1958	13,9	1992	17,3	1958	148,8	1992	65,5	1958	37	1992	42	1958	29	1992	147
1959	7,5	1993	15,2	1959	141,7	1993	57,9	1959	34	1993	37	1959	29	1993	148
1960	7,3	1994	18,1	1960	142,3	1994	52,0	1960	33	1994	36	1960	29	1994	149
1961	7,3	1995	17,7	1961	142,7	1995	53,1	1961	31	1995	39	1961	29	1995	149
1962	8,0	1996	20,3	1962	141,1	1996	47,9	1962	30	1996	38	1962	30	1996	149
1963	8,7	1997	24,3	1963	142,1	1997	45,8	1963	30	1997	42	1963	30	1997	149
1964	7,7	1998	30,2	1964	142,2	1998	40,7	1964	30	1998	37	1964	31	1998	149
1965	8,0	1999	30,3	1965	135,1	1999	39,2	1965	29	1999	34	1965	32	1999	149
1966	7,5	2000	33,9	1966	126,0	2000	33,3	1966	29	2000	42	1966	32	2000	149
1967	7,4	2001	39,5	1967	112,0	2001	27,1	1967	29	2001	53	1967	32	2001	149
1968	6,2	2002	39,2	1968	112,0	2002	26,1	1968	28	2002	45	1968	30	2002	160
1969	7,5	2003	41,3	1969	111,6	2003	25,7	1969	27	2003	40	1969	31	2003	160
1970	9,7	2004	44,3	1970	111,3	2004	25,7	1970	31	2004	55	1970	37	2004	160
1971	7,8	2005	39,9	1971	110,8	2005	24,7	1971	32	2005	65	1971	41	2005	160
1972	7,9	2006	46,5	1972	102,5	2006	20,7	1972	31	2006	62	1972	43	2006	170
1973	8,4	2007	47,5	1973	97,3	2007	21,3	1973	31	2007	68	1973	46	2007	170
1974	7,1	2008	48,0	1974	94,9	2008	17,1	1974	42	2008	112	1974	56	2008	170
1975	7,5	2009	39,5	1975	92,4	2009	13,8	1975	42	2009	79	1975	67	2009	170
1976	7,2	2010	45,2	1976	89,3	2010	12,9	1976	46	2010	85	1976	76	2010	170
1977	7,3	2011	48,4	1977	84,5	2011	12,1	1977	43	2011	107	1977	76	2011	170
1978	7,5	2012	43,8	1978	83,5	2012	10,8	1978	43	2012	93	1978	84	2012	180
1979	8,9	2013	51,2	1979	85,8	2013	7,6	1979	46	2013	79	1979	87	2013	180
1980	10,2	2014	59,9	1980	86,6	2014	7,6	1980	56	2014	73	1980	100	2014	180
1981	11,3	2015	58,6	1981	87,9	2015	6,2	1981	84	2015	68	1981	113	2015	180
1982	11,5	2016	57,2	1982	88,4	2016	3,8	1982	86	2016	67	1982	121	2016	180
1983	9,8	2017	51,1	1983	81,7	2017	3,7	1983	75	2017	92	1983	125	2017	180
1984	9,6	2018	47,5	1984	78,9	2018	2,6	1984	72	2018	95	1984	130	2018	180
1985	10,7	2019	43,2	1985	81,8	2019	-	1985	81	2019	79	1985	130	2019	-
1986	10,9	2020	31,3	1986	80,3	2020	-	1986	60	2020	63	1986	130	2020	-
1987	8,8	2021	41,0	1987	75,8	2021	-	1987	46	2021	119	1987	132	2021	-
1988	8,1	2022	44,9	1988	72,9	2022	-	1988	42	2022	376	1988	134	2022	-
1989	7,3	2023	32,5	1989	71,0	2023	-	1989	49	2023	213	1989	137	2023	-
1990	11,7			1990	69,8			1990	49			1990	138		

Figures: From 1991, incl. new German states; euro values rounded off

¹⁾Including anthracite and briquettes ¹⁾Price free German border ²⁾Estimated breakeven price

Sources: German Federal Statistical Office according to energy statistics law, from 2012 according to "Außenhandelsstatistik" / Carbon Statistics from Kohlenwirtschaft / BAFA / own calculations

World Energy Consumption by Energy Source and Region in Mill. TCE									
Energy Source	2014	2015	2016	2017	2018	2019	2020	2021	2022
Oil	6 074	6 188	6 510	6 581	6 532	6 547	5 943	6 308	6 507
Natural Gas	4 402	4 479	4 390	4 488	4 731	4 795	4 724	4 996	4 841
Nuclear Energy	822	833	845	853	824	851	834	864	823
Hydroelectric Power	1 263	1 276	1 305	1 314	1 274	1 286	1 402	1 378	1 388
Hard Coal and Lignite	5 587	5 485	5 294	5 312	5 418	5 379	5 155	5 474	5 510
Miscellaneous and Renewable Energies	452	521	596	700	881	983	1 187	1 364	1 542
Total	18 600	18 782	18 940	19 249	19 662	19 842	19 245	20 384	20 610
Primary Energy Consumption									shares in %
Consumption Regions	2014	2015	2016	2017	2018	2019	2020	2021	2022
North America	21.8	21.3	20.8	20.4	20.4	20.1	19.3	19.3	19.7
Asia/Australia	41.3	41.6	42.1	42.7	43.3	44.1	45.5	45.5	46.0
European Union	12.5	12.4	12.6	12.6	12.1	10.4	10.1	10.1	9.6
CIS	7.7	7.4	7.3	6.6	6.7	6.7	6.6	6.8	6.4
Rest of World	16.7	17.3	17.2	17.7	17.4	18.6	18.4	18.3	18.4
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
									Mill. TCE
Coal Consumption (Hard Coal and Lignite)	5 587	5 485	5 294	5 312	5 418	5 379	5 155	5 474	5 510
									shares in %
Consumption Regions	2014	2015	2016	2017	2018	2019	2020	2021	2022
North America	12.6	11.2	10.0	9.8	9.1	7.9	6.6	7.0	6.5
Asia/Australia	71.5	72.6	74.0	74.5	75.3	77.6	79.9	79.6	80.8
European Union	7.0	6.9	6.9	6.3	5.9	4.6	4.0	4.3	4.3
CIS	4.2	4.2	4.2	3.4	3.5	3.5	3.4	3.1	3.0
Rest of World	4.7	5.1	4.9	6.0	6.1	6.3	6.2	5.9	5.3
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Includes commercially traded energy sources only

Source: BP Statistical Review of World Energy 2023 / own calculations

Tabelle 1

World Hard Coal Production/Foreign Trade ¹⁾

	2018			2019			2020		
	Production	Export	Import	Production	Export	Import	Production	Export	Import
Germany	3	1	45	0	1	41	0	1	30
France	0	0	13	0	0	10	0	0	7
UK	3	0	9	2	0	5	see remaining countries		
Spain ²⁾	3	0	16	0	0	8	0	0	4
Poland	63	5	20	62	4	17	54	5	13
Czech Republic	5	3	2	3	3	2	2	3	3
Romania/Bulgaria	0	0	5	0	0	2	0	0	1
Rest of EU 27 ⁴⁾	0	0	59	0	0	52	0	0	27
EU 27 ⁴⁾	76	9	169	67	8	137	56	9	85
Russia	433	203	25	437	208	25	401	198	25
Kazakhstan	118	29	1	115	28	1	113	29	1
Ukraine	26	0	19	31	0	21	29	0	17
Designated Countries	577	232	45	583	236	47	543	227	43
Canada	55	31	8	52	36	7	41	32	6
USA	686	105	5	640	84	5	441	62	5
Colombia	84	80	0	82	76	0	49	52	0
Venezuela	0	0	4	0	0	1	1	0	0
Designated Countries	825	216	17	774	196	13	532	146	11
South Africa	253	81	0	259	79	0	248	75	0
Australia	470	387	0	472	395	0	440	370	0
India	716	0	221	711	0	240	719	0	214
PR China	3 546	5	186	3 746	6	197	3 812	3	205
Japan	0	0	189	0	0	186	0	0	174
Indonesia ³⁾	471	343	0	532	372	0	498	342	0
Designated Countries	4 733	348	597	4 989	378	623	5 029	345	593
Rest of Asia			351			361			354
Remaining countries/ Statistical difference	137	52	146	144	54	164	173	43	129
World	7 071	1 325	1 325	7 288	1 346	1 346	7 021	1 215	1 215

¹⁾ Domestic and seaborne trade ²⁾ Production incl. "Lignito Negro" ³⁾ Indonesia: Production incl. dom. lignite consumption, but excluding lignite exports ⁴⁾ until 2019: EU 28 incl. UK

Sources: Statistics from Kohlenwirtschaft, ECE, IEA, statistics of the importing and exporting countries, own calculations

Tabelle 2

2021			2022			2023			
Production	Export	Import	Production	Export	Import	Production	Export	Import	
0	2	39	0	0	42	0	0	32	Germany
0	0	9	0	0	9	0	0	6	France
see remaining countries			see remaining countries			see remaining countries			UK
0	0	5	0	0	10	0	0	7	Spain ²⁾
55	6	13	53	5	20	48	5	17	Poland
2	3	5	2	1	4	2	0	3	Czech Republic
0	0	2	0	0	2	0	0	2	Romania/Bulgaria
0	0	34	0	0	40	0	0	22	Rest of EU 27 ⁴⁾
57	11	107	55	6	127	50	5	89	EU 27⁴⁾
437	213	26	436	196	25	431	195	22	Russia
112	32	1	114	32	0	116	32	0	Kazakhstan
23	0	17	20	0	5	10	0	1	Ukraine
572	245	44	570	228	30	557	227	23	Designated Countries
42	32	6	39	36	5	48	39	6	Canada
481	77	5	497	77	6	487	91	4	USA
59	56	0	57	55	0	54	58	0	Colombia
0	0	0	0	0	0	0	0	0	Venezuela
582	165	11	593	168	11	589	188	10	Designated Countries
229	66	0	230	72	0	232	74	0	South Africa
425	366	0	386	339	0	401	353	0	Australia
766	0	190	861	0	203	969	0	252	India
4 026	3	205	4 486	4	163	4 678	4	311	PR China
0	0	183	0	0	183			167	Japan
522	344	0	585	359	0	670	378	0	Indonesia ³⁾
5 314	347	578	5 932	363	549	6 317	382	730	Designated Countries
		336			322			320	Rest of Asia
173	33	157	199	59	196	199	95	152	Remaining countries/ Statistical difference
7 352	1 233	1 233	7 965	1 235	1 235	8 345	1 324	1 324	World

Seaborne Hard Coal Trade ¹⁾

Exporting Countries	2018			2019			2020		
	Coking Coal	Steam Coal	Total	Coking Coal	Steam Coal	Total	Coking Coal	Steam Coal	Total
Australia	178	208	386	183	212	395	172	199	371
USA	52	48	100	46	33	79	36	23	59
South Africa	0	81	81	0	79	79	0	75	75
Canada	30	1	31	34	2	35	26	5	31
PR China	1	4	5	1	5	6	1	2	3
Colombia	2	80	82	2	76	78	1	52	53
Indonesia	0	343	343	0	372	372	0	342	342
Poland	0	0	0	0	0	0	2	2	4
Russia	40	124	164	38	130	168	43	117	160
Other (incl. Venezuela)	0	14	14	4	19	23	0	13	13
Total	304	902	1 206	308	927	1 235	281	830	1 111
Importing Countries/Regions	2018			2019			2020		
	Coking Coal	Steam Coal	Total	Coking Coal	Steam Coal	Total	Coking Coal	Steam Coal	Total
Europe ²⁾, of which	45	158	202	39	137	176	31	107	138
EU 27 ⁴⁾	37	111	148	32	87	119	23	54	77
Asia, of which	186	726	912	191	758	949	189	730	919
Japan	43	146	189	43	143	186	40	134	174
South Korea	25	123	148	22	119	141	22	102	124
Taiwan	12	57	69	13	54	67	12	51	63
PR China	45	105	150	49	112	161	54	122	176
Hong Kong	0	11	11	0	10	10	0	6	6
India	55	166	221	57	183	240	54	160	214
Latin America	15	20	35	9	25	34	8	17	25
Other/ Statistical Difference	5	53	58	14	62	76	-2	31	29
PCI coal included in steam coal ³⁾	53	-55	-2	55	-55	0	55	-55	0
Total	304	902	1 206	308	927	1 235	281	830	1 111

Figures excl. overland traffic

¹⁾ Rounding-off differences possible, coking coal exports from Australia and Russia, including PCI coal

²⁾ incl. neighbouring Mediterranean countries

³⁾ coking coal exports from Australia and Russia, including PCI coal

⁴⁾ until 2019: EU 28 incl. UK

Assessment of various sources

Tabelle 3

2021			2022			2023			
Coking Coal	Steam Coal	Total	Coking Coal	Steam Coal	Total	Coking Coal	Steam Coal	Total	
168	199	367	160	179	339	151	202	353	Australia
38	35	73	39	39	78	39	52	91	USA
0	66	66	0	72	72	0	74	74	South Africa
26	5	31	28	8	36	30	9	39	Canada
1	2	3	0	4	4	0	4	4	PR China
1	56	57	1	54	55	1	57	58	Colombia
0	344	344	0	359	359	0	378	378	Indonesia
2	3	5	3	2	5	3	2	5	Poland
49	122	171	39	120	159	53	105	158	Russia
0	17	17	2	18	20	2	19	21	Other (incl. Venezuela)
285	849	1 134	272	855	1 127	279	902	1 181	Total
2021			2022			2023			
Coking Coal	Steam Coal	Total	Coking Coal	Steam Coal	Total	Coking Coal	Steam Coal	Total	Importing Countries/Regions
38	118	156	33	154	187	45	100	145	Europe ²⁾, of which
31	67	98	32	100	132	40	50	90	EU 27 ⁴⁾
187	719	906	220	667	887	182	858	1 040	Asia, of which
43	140	183	42	141	183	40	127	167	Japan
22	104	126	22	103	125	22	97	119	South Korea
12	56	68	11	52	63	10	49	59	Taiwan
41	148	189	38	94	132	50	230	280	PR China
0	7	7	0	6	6	0	6	6	Hong Kong
60	130	190	87	147	234	54	198	252	India
7	22	29	2	20	22	7	16	23	Latin America
-5	48	43	-38	69	31	-8	-19	-27	Other/ Statistical Difference
58	-58	0	55	-55	0	53	-53	0	PCI coal included in steam coal ³⁾
285	849	1 134	272	855	1 127	279	902	1 181	Total

Hard Coal Exports from Australia										1 000 t
Importing Countries	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Germany	5 721	5 921	6 608	5 625	5 275	4 771	3 851	5 406	6 305	8 402
Belgium	39	1 275	231	914	20	1 288	649	297	1 220	1 631
France	3 219	3 707	3 860	2 779	2 907	2 224	1 797	2 279	2 763	3 035
UK	1 803	1 729	1 218	935	980	609	²⁾	²⁾	²⁾	²⁾
Italy	657	840	778	329	556	334	467	438	650	349
The Netherlands	2 778	2 504	3 684	1 813	3 007	2 342	2 189	3 186	5 364	1 157
Poland	1 278	1 346	1 460	1 160	1 486	1 746	954	1 413	3 387	1 141
Spain	1 438	1 340	1 197	870	1 372	302	265	826	1 693	1 184
Sweden	1 079	1 311	1 363	790	1 024	1 252	1 114	988	1 382	1 089
Other EU 28	82	380	579	631	255	388	164	977	940	613
EU-27 ²⁾	18 093	20 353	20 979	15 846	16 881	15 254	11 450	15 810	23 704	18 601
UK							560	585	578	55
Israel	174	172	0	0	0	0	0	0	0	0
Turkey	633	1 987	1 505	570	424	857	709	4 114	2 547	2 427
Rest of Europe ¹⁾	624	989	391	245	237	176	9	263	0	328
Europe ¹⁾	19 525	23 502	22 875	16 661	17 542	16 287	12 728	20 771	26 829	21 411
Brazil	4 745	6 615	6 435	5 745	5 048	3 546	3 751	5 573	4 257	4 743
Chile	901	2 151	3 640	2 201	978	1 206	2 600	2 628	2 666	2 153
Mexico	2 437	3 638	2 710	0	0	133	0	0	39	99
PR China	93 351	71 416	74 898	83 300	89 491	92 685	73 970	182	0	55 632
India	46 826	48 115	48 468	44 269	50 072	49 646	52 827	72 419	55 158	49 240
Indonesia	1 478	2 275	2 702	3 104	4 086	4 231	5 239	8 687	5 727	5 846
Japan	119 553	125 619	121 648	117 433	116 734	110 047	104 093	119 921	126 132	106 905
Malaysia	6 003	6 173	6 925	6 295	6 549	6 912	7 763	6 794	7 476	5 884
Korea	55 052	59 586	51 122	48 831	47 903	50 323	46 028	61 195	46 222	35 715
Taiwan	29 869	30 001	36 133	31 703	32 586	34 412	31 562	37 721	33 103	30 099
Thailand	3 948	3 777	3 585	3 914	3 444	4 094	3 884	7 435	5 458	4 461
Vietnam	544	1 302	4 097	4 025	6 953	16 068	20 766	15 775	18 259	20 149
Other Countries	3 276	4 986	6 278	5 474	4 884	4 181	5 258	6 681	7 859	10 693
Statistical differences	-182	-674	-929	-390	340	1 314	0	0	0	0
Total Exports	387 328	388 482	390 586	372 564	386 609	395 086	370 469	365 782	339 185	353 030

¹⁾ Incl. countries bordering the Mediterranean ²⁾ until 2019: EU 28 incl. UK

Source: S&P Global-IHS Markit, coal imports and exports by country and type, from 06.03.2024 / DESTATIS

Tabelle 7

Hard Coal Exports from Indonesia										1 000 t
Importing Countries	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Germany	0	84	180	0	0	0	0	0	0	0
Italy	3 516	3 106	1 686	891	718	0	67	0	1 522	1 306
Spain	4 071	4 826	4 944	3 232	2 464	685	0	77	245	0
Other EU 28	453	323	450	802	1 132	404	451	172	172	
EU-27 ²⁾	8 041	8 339	7 261	4 926	4 313	1 088	518	249	1 939	1 306
Rest of Europe ¹⁾	0	253	238	87	0	131	0	0	155	0
Europe ¹⁾	8 041	8 592	7 498	5 012	4 313	1 219	518	249	2 094	1 306
Bangladesh	159	2 847	1 537	2 268	2 613	5 934	7 167	5 056	7 642	11 868
PR China	49 782	36 684	50 843	47 294	48 136	65 476	62 492	108 487	69 691	81 688
Hong Kong	12 513	9 267	9 424	8 450	9 028	7 877	3 864	5 270	5 177	4 893
India	134 452	123 365	94 609	98 553	110 378	121 591	98 243	70 779	110 155	108 933
Japan	35 579	32 406	33 038	31 421	28 654	27 437	26 965	22 978	26 393	25 278
Cambodia	641	1 558	1 453	2 382	2 211	2 655	2 854	2 168	2 067	4 336
Malaysia	14 453	16 505	17 272	21 130	21 983	25 275	26 707	25 497	25 222	28 144
Pakistan	1 100	1 167	1 473	1 509	3 739	3 417	3 527	2 947	4 345	1 735
Philippines	15 021	15 804	17 503	18 978	22 595	27 156	28 061	30 086	30 865	36 115
South Korea	35 549	32 704	35 019	38 075	37 151	29 550	25 052	21 011	25 883	25 284
Taiwan	26 988	24 008	20 290	17 454	17 860	18 676	17 603	16 292	18 245	15 119
Thailand	16 196	17 730	16 384	16 375	19 964	17 600	16 625	15 151	15 338	11 936
Vietnam	1 529	1 988	2 852	6 340	11 668	15 262	18 033	14 999	10 672	19 796
Other Countries	4 244	2 620	2 209	3 064	2 589	3 414	4 010	4 483	4 961	1 403
Statistical differences	0	-53	-180	-31	0	-367	0	0	0	0
Total Exports	356 247	327 191	311 225	318 275	342 883	372 175	341 720	345 453	358 750	377 834

¹⁾ Incl. countries bordering the Mediterranean ²⁾ until 2019: EU 28 incl. UK

Source: S&P Global-IHS Markit, coal imports and exports by country and type, from 06.03.2024 / DESTATIS

Tabelle 8

Hard Coal Exports from Russia										1 000 t
Importing Countries	2014	2015	2016	2017	2018	2019	2020	2021	2022 ¹⁾	2023 ²⁾
Germany	13 230	16 564	17 859	19 894	19 170	19 237	14 522	20 076	12 890	573
Belgium	2 256	2 239	1 299	838	710	1 520	829	1 617	-	-
Denmark	1 258	860	1 307	1 073	1 541	1 508	1 014	622	-	-
Finland	3 561	2 498	1 926	1 976	2 377	2 574	1 276	1 234	-	-
France	1 151	1 323	2 847	3 056	2 432	2 214	2 179	2 636	-	-
UK	24 028	17 180	11 185	12 169	8 942	1 750	see below	see below	-	-
Italy	1 442	2 221	1 860	2 298	2 344	2 129	3 008	4 439	-	-
Poland	6 439	4 656	5 268	7 641	13 261	10 883	9 831	7 684	-	-
Romania	259	591	464	1 169	3 466	1 323	1 036	954	-	-
Slovakia	949	1 230	1 281	1 293	1 352	1 415	773	877	-	-
Slovenia	5	21	638	192	666	796	175	182	-	-
Spain	1 547	3 475	2 463	4 072	2 716	2 041	1 395	1 937	-	-
Other EU	13 973	16 637	15 435	18 135	19 299	21 604	14 587	19 376	-	-
EU-27¹⁾	70 097	69 494	63 831	73 806	78 275	68 994	50 627	61 635	-	-
UK							1 301	2 019	-	-
Israel	2 478	2 202	2 491	3 004	2 350	3 170	2 540	2 355	-	-
Morocco	1 400	1 596	2 639	3 215	3 166	4 427	7 088	7 648	-	-
Turkey	8 615	9 787	11 496	13 715	11 845	9 398	14 726	13 299	-	-
Ukraine	9 812	9 007	9 926	9 275	14 029	7 839	9 116	13 670	-	-
Belarus	550	817	470	357	1 051	3 537	1 278	1 084	-	-
Rest of Europe ²⁾	489	1 134	991	972	1 414	2 201	1 956	1 827	-	-
Europe²⁾	93 441	94 037	91 844	104 345	112 131	99 566	88 631	103 537	-	-
Mexico	0	0	141	1	0	1 323	157	216	-	-
Brazil	239	334	1 152	1 190	1 374	1 333	2 677	4 643	-	-
PR China	25 776	16 370	15 991	22 626	22 547	26 695	29 375	43 247	-	-
Hong Kong	414	753	944	1 189	1 093	1 124	902	535	-	-
India	1 635	3 039	3 191	3 460	4 306	7 448	7 518	5 894	-	-
Japan	14 657	15 965	18 544	17 426	18 131	19 968	21 433	21 833	-	-
Malaysia	1 500	2 504	3 151	3 064	3 133	3 305	3 596	3 357	-	-
South Korea	16 154	19 329	24 757	23 342	25 648	24 039	23 056	20 026	-	-
Taiwan	5 502	6 539	7 631	8 768	9 304	8 480	11 221	11 824	-	-
Vietnam	186	995	4 015	2 156	2 413	5 825	7 462	3 417	-	-
Other Countries	1 964	2 697	4 113	4 000	4 044	5 446	6 443	5 270	-	-
Statistical differences	-8 822	-10 061	-9 550	1 256	-941	3 216	-4 408	-630	-	-
Total Exports	152 647	152 501	165 924	192 821	203 183	207 771	198 064	223 169	-	-

¹⁾ until 2019: EU 28 incl. UK ²⁾ incl. countries bordering the Mediterranean ³⁾ no data from Russia any longer

Source: S&P Global-IHS Markit, coal imports and exports by country and type, from 27.03.2023 / DESTATIS

Tabelle 9

Hard Coal Exports from USA										1 000 t
Importing Countries	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Germany	11 140	11 200	9 547	9 050	10 061	8 566	5 706	6 942	8 972	9 273
France	1 990	1 208	1 215	1 974	1 547	1 161	882	690	1 658	1 335
UK	8 897	3 811	965	2 476	3 805	1 258				
Italy	5 330	3 112	1 733	2 850	3 091	2 425	1 031	962	1 294	1 604
Croatia	1 455	1 411	1 173	1 748	2 107	1 628	1 196	1 054	1 211	1 148
The Netherlands	4 594	4 441	2 847	3 807	4 497	2 165	32	1 418	2 068	428
Austria	355	379	382	519	951	1 986	1 430	1 176	1 016	1 253
Poland	652	513	219	1 231	1 656	1 329	919	1 054	2 298	1 753
Spain	1 357	1 151	1 263	1 590	1 657	556	354	618	1 005	1 061
Other EU 28	3 450	2 843	2 113	4 098	3 135	2 911	1 506	1 516	2 543	2 374
EU 27 ²⁾	39 221	30 068	21 458	29 343	32 509	23 986	13 058	15 431	22 065	20 229
Egypt	375	148	1	1 769	3 475	4 242	1 030	2 434	2 754	2 976
Morocco	2 218	193	941	2 656	3 888	3 149	760	1 938	2 108	3 548
Turkey	4 045	1 863	1 349	2 326	2 778	1 637	2 469	822	1 727	1 576
Ukraine	2 573	2 549	1 868	4 049	4 370	4 462	3 277	2 379	384	117
UK							1 030	1 374	2 297	715
Rest of Europe ¹⁾	1 706	136	142	74	127	46	49	117	166	162
Europe ¹⁾	50 139	34 957	25 759	40 216	47 147	37 523	21 673	24 495	31 501	29 323
Canada	6 089	5 403	4 545	4 794	5 188	4 633	4 160	4 157	3 913	4 503
Mexico	4 268	3 412	2 807	3 387	4 911	2 276	532	556	364	122
Brazil	7 245	5 750	6 294	6 859	7 796	6 817	7 156	5 669	5 826	6 831
PR China	1 477	208	902	2 936	2 368	1 062	1 621	11 290	2 644	5 846
India	4 199	5 794	5 015	10 399	15 591	11 643	11 648	13 872	14 743	22 497
Japan	4 504	4 224	4 133	6 957	9 426	9 968	5 509	6 862	7 325	9 010
South Korea	7 283	5 563	4 056	8 573	8 456	6 165	5 922	5 786	4 741	5 408
Other Countries	3 117	2 046	1 148	3 603	4 093	3 427	4 147	4 505	6 895	6 961
Statistical differences	0	0	0	119	0	0	0	0	0	0
Total Exports	88 320	67 358	54 658	87 842	104 977	83 513	62 368	77 192	77 952	90 501

¹⁾ Incl. countries bordering the Mediterranean ²⁾ until 2019: EU 28 incl. UK

Source: S&P Global-IHS Markit, coal imports and exports by country and type, from 06.03.2024 / DESTATIS

Table 10

Hard Coal Exports from Colombia (only steam coal)										1 000 t
Importing Countries	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Germany	7 273	10 195	10 691	6 053	4 023	1 925	1 913	2 264	7 205	4 995
Denmark	1 248	574	548	158	449	168	0	0	289	94
France	695	756	1 077	1 832	1 010	33	245	680	199	226
UK	6 867	4 100	598	329	745	108				
Ireland	1 792	2 131	1 146	1 514	563	439	47	0	824	409
Italy	1 205	2 661	3 561	2 609	2 325	1 591	197	33	341	185
The Netherlands	8 503	8 463	6 824	3 301	2 373	4 951	799	4 481	2 219	1 896
Polands	88	154	172	357	554	1 008	650	528	2 066	3 656
Portugal	4 196	5 357	4 960	4 793	4 236	2 005	259	0	0	0
Spain	6 067	5 869	4 653	5 707	4 517	1 727	514	1 770	2 101	1 373
Other EU-28	479	372	911	639	241	71	0	146	247	429
EU-27 ²⁾	38 413	40 630	35 141	27 292	21 036	14 025	4 625	8 113	15 491	13 263
Israel	5 257	5 845	4 547	3 921	4 284	5 024	4 170	3 375	4 061	3 178
Turkey	9 300	11 414	16 115	17 031	18 058	18 643	14 834	14 619	11 100	6 182
UK							76	219	376	395
Rest of Europe ¹⁾	0	32	188	187	93	438	184	232	160	0
Europe ¹⁾	52 970	57 921	55 991	48 431	43 470	38 130	23 889	26 415	31 188	23 018
Canada	1 516	1 711	1 445	1 733	2 138	2 075	962	1 312	1 243	1 307
USA	5 565	6 341	5 649	3 944	2 544	3 060	2 475	1 655	2 340	1 081
Dominican Republic	688	794	1 002	958	826	1 059	1 009	919	1 747	1 981
Guatemala	1 305	1 769	2 060	1 247	2 001	2 566	1 661	1 634	928	1 241
Mexico	353	242	2 038	6 832	6 015	5 379	32	272	1 980	3 545
Panama	413	349	325	110	333	925	816	884	838	990
Puerto Rico	1 413	1 390	1 564	1 096	1 170	1 594	1 494	1 552	1 408	1 215
Brazil	4 448	5 042	4 570	4 503	4 965	4 504	3 034	5 663	2 045	2 624
Chile	5 646	4 380	4 989	6 786	7 687	8 125	6 161	6 341	4 167	3 761
PR China	0	0	325	80	330	1 649	1 552	3 141	61	3 910
India	0	0	2 644	495	346	667	3 107	0	13	213
Japan	0	20	240	1 949	948	607	328	904	1 079	1 706
South Korea	0	0	3 771	2 938	5 382	4 773	4 310	2 910	1 975	5 049
Other Countries	727	887	1 934	1 650	2 012	1 381	1 318	2 349	2 981	4 726
Statistical differences	0	0	0	0	0	0	0	0	0	0
Total Exports	75 044	80 846	88 549	82 753	80 169	76 496	52 148	55 952	53 993	56 367

¹⁾ Incl. countries bordering the Mediterranean ²⁾ until 2019: EU 28 incl. UK

Source: S&P Global-IHS Markit, coal imports and exports by country and type, from 06.03.2024 / DESTATIS

Tabelle 11

Hard Coal Exports from South Africa										1 000 t
Importing Countries	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Germany	5 122	3 591	2 003	1 629	1 058	803	425	1 030	4 077	3 721
France	838	386	650	612	571	114	115	80	1 194	450
Italy	1 516	3 883	2 799	833	151	0	0	471	3 540	2 226
Spain	3 211	2 400	1 092	2 785	1 295	678	0	30	716	355
Other EU 28	7 058	635	2 246	1 018	3 370	695	229	912	12 204	3 984
EU 27 ²⁾	17 745	10 895	8 791	6 877	6 445	2 290	736	2 522	21 731	10 736
Israel	2 503	2 559	1 003	1 166	683	338	502	833	666	538
Morocco	1 338	4 325	2 243	757	353	447	61	584	1 903	662
Turkey	3 668	4 548	1 570	1 867	1 697	290	1 860	172	213	56
Rest of Europe ¹⁾	742	1 586	1 856	1 134	1 571	269	72	111	93	0
Europe ¹⁾	25 997	23 913	15 463	11 800	10 749	3 636	3 231	4 221	24 606	11 992
USA	574	504	250	405	475	432	440	687	473	210
Brazil	1 014	944	879	998	474	461	347	381	424	533
Bangladesh	79	804	617	541	750	1 051	903	986	312	735
PR China	3 260	0	60	0	6	0	659	6 665	888	1 162
India	30 574	35 299	37 567	36 511	36 344	43 249	38 199	25 306	20 639	29 873
Japan	145	150	0	311	135	310	85	206	1 238	3 122
Malaysia	1 610	1 069	1 062	774	571	649	466	784	996	760
Pakistan	3 367	3 720	4 922	8 617	9 982	11 912	12 061	12 050	3 680	1 817
Sri Lanka	0	1 188	2 043	2 270	2 014	1 723	2 485	1 793	1 227	604
South Korea	305	318	2 739	8 328	6 827	3 857	1 409	3 240	6 498	6 164
Taiwan	1 344	1 289	765	3 203	2 774	1 137	1 044	1 814	2 150	4 270
Vietnam	0	44	511	55	127	2 614	7 506	1 171	68	2 017
Other Countries	8 159	8 210	8 569	9 126	9 768	7 517	6 058	6 896	9 061	10 791
Statistical differences	0	0	0	197	0	0	0	0	0	0
Total Exports	76 429	77 451	75 446	83 138	80 997	78 547	74 893	66 199	72 260	74 050

¹⁾ Incl. countries bordering the Mediterranean ²⁾ until 2019: EU 28 incl. UK

Source: S&P Global-IHS Markit, coal imports and exports by country and type, from 06.03.2024 / DESTATIS

Tabelle 12

Hard Coal Exports from Canada										1 000 t
Importing Countries	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Germany	1 462	1 350	1 487	1 481	1 551	1 395	1 219	1 301	888	554
Finland	537	526	587	412	605	460	110	225	52	60
France	31	0	92	119	69	74	38	0	0	20
Italy	403	288	283	318	234	256	78	143	149	50
Croatia	0	0	0	0	0	0	0	0	0	0
Poland	122	294	367	690	760	602	342	822	802	615
Other EU 27 ²⁾	887	699	-222	761	842	277	95	391	1 228	2 273
EU 27 ²⁾	3 442	3 157	2 594	3 782	4 061	3 063	1 929	2 088	3 119	3 572
Turkey	491	834	1 039	659	512	668	1 155	520	338	162
Ukraine	281	1 106	878	800	452	0	0	0	0	0
Rest of Europe ¹⁾	59	195	180	119	122	30	49	0	83	0
Europe ¹⁾	4 274	5 292	4 690	5 360	5 147	3 761	3 133	2 608	3 540	3 734
USA	834	980	893	735	695	661	308	834	1 549	661
Brazil	2 263	1 113	901	926	863	756	305	78	221	550
Chile	274	366	638	266	199	179	1 331	1 247	607	330
PR China	7 709	5 361	5 126	4 749	3 129	4 823	5 209	10 646	8 447	9 873
India	1 711	1 700	2 697	3 085	4 140	4 943	3 692	2 020	2 926	3 049
Japan	8 850	8 306	7 914	7 240	7 447	8 488	7 960	7 261	10 392	11 751
South Korea	6 675	5 777	5 702	5 681	5 720	9 221	7 257	5 174	6 279	6 742
Taiwan	1 509	1 252	1 417	1 622	1 462	2 312	1 974	1 731	1 988	1 471
Vietnam	0	90	172	521	1 205	1 317	261	0	130	222
Other Countries	159	185	95	256	937	0	108	56	217	219
Statistical differences	0	-268	-75	0	0	-181	0	0	0	0
Total Exports	34 259	30 153	30 170	30 441	30 944	36 281	31 537	31 737	36 296	38 602

¹⁾ Incl. countries bordering the Mediterranean ²⁾ until 2019: EU 28 incl. UK

Sources: S&P Global-IHS Markit, coal imports and exports by country and type, from 06.03.2024 / DESTATIS

Tabelle 13

Hard Coal Exports from China										1 000 t
Importing Countries	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Germany	51	16	12	12	10	9	2	10	31	36
UK	0	0	0	77	0	0				
The Netherlands	0	11	1	0	0	9	0	0	3	25
Other EU 27 ²⁾	0	0	1	0	0	0	0	0	0	0
EU 27 ²⁾	51	27	13	89	10	18	2	10	34	61
Rest of Europe ¹⁾	0	0	0	0	95	0	0	0	14	42
Europe ¹⁾	51	27	13	89	105	18	2	10	48	103
India	0	2	1	172	0	164	0	0	80	82
Indonesia	0	10	42	218	324	537	580	1 120	1 787	1 839
Japan	2 070	1 503	2 667	3 132	1 869	2 170	922	817	1 090	1 600
Malaysia	4	15	17	8	91	264	50	11	100	145
North Korea	80	71	132	44	438	763	0	0	0	0
South Korea	2 835	2 014	3 543	3 421	1 821	1 463	1 268	566	535	363
Taiwan	467	414	976	765	193	531	278	47	1	20
Vietnam	0	1 051	1 151	28	23	0	0	0	0	1
Other Countries	140	96	113	192	29	79	59	11	328	284
Statistical differences	-23	-2	-12	35	-10	-9	-2	-10	0	0
Total Exports	5 624	5 203	8 644	8 102	4 883	5 980	3 157	2 572	3 969	4 437

¹⁾ Incl. countries bordering the Mediterranean ²⁾ until 2019: EU 28 incl. UK

Source: S&P Global-IHS Markit, coal imports and exports by country and type, from 06.03.2024 / DESTATIS

Tabelle 14

Hard Coal Exports from Poland										1 000 t
Importing Countries	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Germany	3 299	3 342	2 422	1 254	251	218	178	291	170	135
Denmark	365	150	141	5	5	0	0	0	5	0
UK	230	123	51	26	22	18				
Ireland	148	101	93	23	22	4	14	7	0	0
The Netherlands	54	381	159	0	0	0	0	54	0	0
Austria	887	850	846	881	1 008	974	892	1 007	878	1 012
Slovakia	500	619	650	784	675	543	438	472	457	439
Sweden	117	100	85	32	6	0	0	16	7	0
Czech Republic	2 604	2 633	2 827	3 108	2 395	2 274	2 683	3 415	3 139	2 713
Hungary	58	164	169	186	170	149	210	272	112	74
Other EU 27 ²⁾	250	457	326	106	73	21	3	34	46	37
EU 27 ²⁾	8 511	8 919	7 768	6 406	4 626	4 202	4 411	5 514	4 814	4 410
UK							8	52	0	0
Ukraine	125	296	538	651	313	236	168	800	570	325
Rest of Europe ¹⁾	791	539	1 272	41	18	14	16	94	16	27
Europe ¹⁾	9 427	9 754	9 579	7 098	4 956	4 451	4 603	6 445	5 400	4 762
Other Countries	2	116	140	0	3	3	0	0	126	0
Statistical differences	-218	-407	-513	14	99	-24	70	51	0	0
Total Exports	9 211	9 463	9 206	7 112	5 059	4 431	4 672	6 497	5 526	4 762

¹⁾ Incl. countries bordering the Mediterranean ²⁾ until 2019: EU 28 incl. UK

Source: S&P Global-IHS Markit, coal imports and exports by country and type, from 06.03.2024/ DESTATIS

Tabelle 15

Primary Energy Consumption in Germany										Mill. TCE
Energy Source	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Hard Coal	58.1	58.6	56.7	50.0	48.7	37.0	30.6	37.9	39.0	31.8
of which import coal	(52.1)	(51.3)	(53.6)	(48.2)	(44.5)	(37.0)	(30.6)	(37.9)	(39.0)	(31.8)
Lignite	53.6	53.5	51.8	51.5	50.0	39.7	32.7	38.5	39.9	30.5
Oil	154.1	153.2	155.3	159.5	151.6	153.9	139.4	137.8	140.0	130.4
Natural Gas	91.4	94.2	103.8	106.5	105.4	109.7	107.0	112.7	92.8	90.6
Nuclear Energy	36.2	34.2	31.5	28.4	28.3	27.9	24.0	25.7	12.9	2.7
Renewables	51.8	56.1	57.9	61.1	61.5	65.0	67.3	66.5	69.7	71.9
Foreign Trade Balance Electric Power	-4.4	-6.4	-6.6	-6.8	-6.0	-4.0	-2.3	-2.3	-3.3	1.4
Other Energy Sources	7.7	7.6	8.0	8.4	7.6	7.8	7.3	7.6	7.4	7.0
Total ¹⁾	448.5	451.0	458.4	458.6	447.0	437.0	406.0	424.4	398.4	366.3
										Shares in %
Energy Source	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Hard Coal	13.0	13.0	12.4	10.9	10.9	8.5	7.5	8.9	9.8	8.7
of which import coal	(11.6)	(11.4)	(11.7)	(10.5)	(10.0)	(8.5)	(7.5)	(8.9)	(9.8)	(8.7)
Lignite	12.0	11.9	11.3	11.2	11.2	9.1	8.1	9.1	10.0	8.3
Oil	34.4	34.0	33.9	34.8	33.9	35.2	34.3	32.5	35.1	35.6
Natural Gas	20.4	20.9	22.6	23.2	23.6	25.1	26.4	26.6	23.3	24.7
Nuclear Energy	8.1	7.6	6.9	6.2	6.3	6.4	5.9	6.1	3.2	0.7
Hydroelectric and Wind Power	11.5	12.4	12.6	13.3	13.8	14.9	16.6	15.7	17.5	19.6
Foreign Trade Balance Electric Power	-1.0	-1.4	-1.4	-1.5	-1.3	-0.9	-0.6	-0.5	-0.8	0.4
Other Energy Sources	1.7	1.7	1.7	1.8	1.7	1.7	1.8	1.5	1.7	1.8
Total ¹⁾	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.3	100.0
¹⁾ Rounding-off differences possible										
Sources: Arbeitsgemeinschaft Energiebilanzen. "Energy consumption in Germany in the year 2023". April 2024 / German Federal Statistical Office. own calculations										

Tabelle 17

Import of Hard Coal and Hard Coal Coke to Germany

Countries	2020						2021					
	Steam Coal	Coking Coal	Anthracite	Coke	Briquettes	Total	Steam Coal	Coking Coal	Anthracite	Coke	Briquettes	Total
Poland	150		27	1 029	0	1 207	255		45	1 324	1	1 624
Czech Rep.	2		1	200		204	2		2	280		284
Other	537	70	157	191	7	961	761	42	222	155	9	1 189
EU 27¹⁾	689	70	185	1 420	7	2 371	1 018	42	269	1 759	10	3 097
Russian Federation	13 111	878	505	70	59	14 623	17 974	1 384	659	171	59	20 247
Ukraine			6			6			10			10
Kazakhstan	159					159						
Norway	19					19	48					48
UK	750		23	2	0	776	31		10	3	0	44
USA	2 036	3 663	7			5 706	3 361	3 639	17	112		7 129
Canada	0	1 219				1 219	4	1 297		28		1 329
Colombia	1 913	0	10	56		1 979	2 365		8	60		2 433
South Africa	425					425	976	52				1 028
Mozambique		140				140	16	0				16
Australia		3 851				3 851	42	5 364		47		5 453
PR China			2	71		74			10	147		157
Indonesia												
Other Third Countries												
Third Countries	18 413	9 750	554	200	59	28 976	24 817	11 736	714	568	60	37 894
Total²⁾	19 102	9 820	739	1 620	66	31 347	25 835	11 778	983	2 326	70	40 992

¹⁾ EU-27, that means without UK - UK data will be found under "third countries" ²⁾ rounding-off differences possible

Sources: Federal Statistical Office, own calculations

Tabelle 22

1 000 t												
2022						2023						Countries
Steam Coal	Coking Coal	Anthracite	Coke	Briquettes	Total	Steam Coal	Coking Coal	Anthracite	Coke	Briquettes	Total	
156	1	13	1 457	0	1 628	136	0	1	1 520	0	1 657	Poland
1		2	221		223	1		5	187		192	Czech Rep.
645	50	221	83	7	1 007	1 256	50	217	91	2	1 615	Other
801	52	236	1 761	7	2 858	1 392	50	223	1 798	2	3 465	EU 27¹⁾
11 590	756	507	68	37	12 957	361	8	204	3		576	Russian Federation
		14			14			3			3	Ukraine
551		11		5	567	798		1			799	Kazakhstan
49	15			5	70	47					47	Norway
82		10	3	0	95	0	1	5	2	0	8	UK
5 084	3 882	22	251		9 240	5 406	3 788	49	61	51	9 356	USA
82	806		47		935		554		65		619	Canada
7 293		3	52	1	7 349	4 967	2	1	30		5 000	Colombia
4 026	179		15		4 220	3 517	201				3 718	South Africa
72					72	69	11				80	Mozambique
427	5 878	0	52		6 357	1 527	6 841	0	158	0	8 527	Australia
0		31	54	0	86		18	18	287	0	323	PR China
21				21	42						0	Indonesia
								1			1	Other Third Countries
29 279	11 516	597	543	69	42 003	16 691	11 426	282	605	52	29 056	Third Countries
30 080	11 568	833	2 304	76	44 860	18 083	11 476	505	2 403	54	32 521	Total²⁾

Important Coal Transshipments in German Seaports										1 000 t
	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
North Sea Ports										
Hamburg	5 924	7 672	7 434	7 697	8 162	7 232	4 736	5 458	6 701	3 859
Wilhelmshaven	3 112	4 093	2 480	3 536	3 556	2 311	966	1 584	3 149	1 787
Bremen Ports	1 636	1 710	1 175	1 175	895	846	398	680	1 201	298
Brunsbüttel	525	485	782	804	997	597	306	170	1 272	316
Nordenham	1 277	1 107	958	1 242	1 253	824	487	964	2 258	794
Total	12 474	15 067	12 829	14 454	14 864	11 809	6 893	8 857	14 581	7 054
Baltic Sea Ports										
Rostock	1 234	985	1 184	1 287	848	756	457	1 293	551	514
Flensburg	239	254	227	116	170	141	106	142	190	139
Kiel	325	231	158	72						
Total	1 798	1 470	1 569	1 475	1 018	897	563	1 435	741	653
Total Transshipment	14 272	16 537	14 398	15 929	15 882	12 706	7 456	10 292	15 322	7 707

Source: German Federal Statistical Office

Tabelle 18a