

# REPORT IN FIGURES

2022 preliminary



<b>Table 23</b>	The Hard Coal Market in Germany	<b>2</b>	<b>Table 11</b>	Hard Coal Exports from Colombia	<b>12</b>
<b>Table 1</b>	World Energy Consumption by Energy Source and Region	<b>3</b>	<b>Table 12</b>	Hard Coal Exports from South Africa	<b>13</b>
<b>Table 2</b>	World Hard Coal Production/Foreign Trade	<b>4</b>	<b>Table 13</b>	Hard Coal Exports from Canada	<b>14</b>
<b>Table 3</b>	Seaborne Hard Coal Trade	<b>6</b>	<b>Table 14</b>	Hard Coal Exports from China	<b>15</b>
<b>Table 7</b>	Hard Coal Exports from Australia	<b>8</b>	<b>Table 15</b>	Hard Coal Exports from Poland	<b>16</b>
<b>Table 8</b>	Hard Coal Exports from Indonesia	<b>9</b>	<b>Table 17</b>	Primary Energy Consumption in Germany	<b>17</b>
<b>Table 9</b>	Hard Coal Exports from Russia	<b>10</b>	<b>Table 22</b>	Import of Hard Coal and Hard Coal Coke to Germany	<b>18</b>
<b>Table 10</b>	Hard Coal Exports from USA	<b>11</b>	<b>Table 18a</b>	Important Coal Transshipments in German Seaports	<b>20</b>

## The Hard Coal Market in Germany

Volumes and Prices 1957 - 2022															
Quantities								Prices							
Imports of Hard Coal and Coke t=t <sup>1)</sup>				Domestic Production of Hard Coal Tonnes Usable Production				Steam Coal From Third Countries <sup>1)</sup>				Domestic Coal <sup>2)</sup>			
Year	Mill. t	Year	Mill. t	Year	Mill. t	Year	Mill. t	Year	€/TCE	Year	€/TCE	Year	€/TCE	Year	€/TCE
1957	18.9	1990	11.7	1957	149.4	1990	69.8	1957	40	1990	49	1957	29	1990	138
1958	13.9	1991	16.8	1958	148.8	1991	66.1	1958	37	1991	46	1958	29	1991	139
1959	7.5	1992	17.3	1959	141.7	1992	65.5	1959	34	1992	42	1959	29	1992	147
1960	7.3	1993	15.2	1960	142.3	1993	57.9	1960	33	1993	37	1960	29	1993	148
1961	7.3	1994	18.1	1961	142.7	1994	52.0	1961	31	1994	36	1961	29	1994	149
1962	8.0	1995	17.7	1962	141.1	1995	53.1	1962	30	1995	39	1962	30	1995	149
1963	8.7	1996	20.3	1963	142.1	1996	47.9	1963	30	1996	38	1963	30	1996	149
1964	7.7	1997	24.3	1964	142.2	1997	45.8	1964	30	1997	42	1964	31	1997	149
1965	8.0	1998	30.2	1965	135.1	1998	40.7	1965	29	1998	37	1965	32	1998	149
1966	7.5	1999	30.3	1966	126.0	1999	39.2	1966	29	1999	34	1966	32	1999	149
1967	7.4	2000	33.9	1967	112.0	2000	33.3	1967	29	2000	42	1967	32	2000	149
1968	6.2	2001	39.5	1968	112.0	2001	27.1	1968	28	2001	53	1968	30	2001	149
1969	7.5	2002	39.2	1969	111.6	2002	26.1	1969	27	2002	45	1969	31	2002	160
1970	9.7	2003	41.3	1970	111.3	2003	25.7	1970	31	2003	40	1970	37	2003	160
1971	7.8	2004	44.3	1971	110.8	2004	25.7	1971	32	2004	55	1971	41	2004	160
1972	7.9	2005	39.9	1972	102.5	2005	24.7	1972	31	2005	65	1972	43	2005	160
1973	8.4	2006	46.5	1973	97.3	2006	20.7	1973	31	2006	62	1973	46	2006	170
1974	7.1	2007	47.5	1974	94.9	2007	21.3	1974	42	2007	68	1974	56	2007	170
1975	7.5	2008	48.0	1975	92.4	2008	17.1	1975	42	2008	112	1975	67	2008	170
1976	7.2	2009	39.5	1976	89.3	2009	13.8	1976	46	2009	79	1976	76	2009	170
1977	7.3	2010	45.2	1977	84.5	2010	12.9	1977	43	2010	85	1977	76	2010	170
1978	7.5	2011	48.4	1978	83.5	2011	12.1	1978	43	2011	107	1978	84	2011	170
1979	8.9	2012	43.8	1979	85.8	2012	10.8	1979	46	2012	93	1979	87	2012	180
1980	10.2	2013	51.2	1980	86.6	2013	7.6	1980	56	2013	79	1980	100	2013	180
1981	11.3	2014	59.9	1981	87.9	2014	7.6	1981	84	2014	73	1981	113	2014	180
1982	11.5	2015	58.6	1982	88.4	2015	6.2	1982	86	2015	68	1982	121	2015	180
1983	9.8	2016	57.2	1983	81.7	2016	3.8	1983	75	2016	67	1983	125	2016	180
1984	9.6	2017	51.1	1984	78.9	2017	3.7	1984	72	2017	92	1984	130	2017	180
1985	10.7	2018	47.5	1985	81.8	2018	2.6	1985	81	2018	95	1985	130	2018	180
1986	10.9	2019	43.2	1986	80.3	2019	-	1986	60	2019	80	1986	130	2019	-
1987	8.8	2020	31.3	1987	75.8	2020	-	1987	46	2020	63	1987	132	2020	-
1988	8.1	2021	41.0	1988	72.9	2021	-	1988	42	2021	119	1988	134	2021	-
1989	7.3	2022	44.7	1989	71.0	2022	-	1989	49	2022	326	1989	137	2022	-

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

<sup>1)</sup> Including anthracite and briquettes <sup>1)</sup> Price free German border <sup>2)</sup> 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

Table 23

<b>World Energy Consumption by Energy Source and Region in Mill. TCE</b>									
<b>Energy Source</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
Oil	5 970	6 074	6 188	6 510	6 581	6 532	6 547	5 943	6 285
Natural Gas	4 361	4 402	4 479	4 390	4 488	4 731	4 795	4 724	4 959
Nuclear Energy	805	822	833	845	853	824	851	0	864
Hydroelectric Power	1 231	1 263	1 276	1 305	1 314	1 274	1 286	1 402	1 374
Hard Coal and Lignite	5 524	5 587	5 485	5 294	5 312	5 418	5 379	5 155	5 463
Miscellaneous and Renewable Energies	404	452	521	596	700	881	983	1 187	1 362
<b>Total</b>	<b>18 295</b>	<b>18 600</b>	<b>18 782</b>	<b>18 940</b>	<b>19 249</b>	<b>19 662</b>	<b>19 842</b>	<b>18 411</b>	<b>20 307</b>
<b>Primary Energy Consumption</b>									shares in %
<b>Consumption Regions</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
North America	21.8	21.8	21.3	20.8	20.4	20.4	20.1	19.3	19.1
Asia/Australia	40.7	41.3	41.6	42.1	42.7	43.3	44.1	45.5	45.8
European Union	13.1	12.5	12.4	12.6	12.6	12.1	10.4	10.1	10.1
CIS	7.9	7.7	7.4	7.3	6.6	6.7	6.7	6.6	6.8
Rest of World	16.5	16.7	17.3	17.2	17.7	17.4	18.6	18.4	18.2
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
									Mill. TCE
<b>Coal Consumption (Hard Coal and Lignite)</b>	<b>5 524</b>	<b>5 587</b>	<b>5 485</b>	<b>5 294</b>	<b>5 312</b>	<b>5 418</b>	<b>5 379</b>	<b>5 155</b>	<b>5 463</b>
									shares in %
<b>Consumption Regions</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>
North America	12.6	12.6	11.2	10.0	9.8	9.1	7.9	6.6	7.0
Asia/Australia	70.6	71.5	72.6	74.0	74.5	75.3	77.6	79.9	79.7
European Union	7.5	7.0	6.9	6.9	6.3	5.9	4.6	4.0	4.2
CIS	4.6	4.2	4.2	4.2	3.4	3.5	3.5	3.4	3.2
Rest of World	4.7	4.7	5.1	4.9	6.0	6.1	6.3	6.2	5.8
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Includes commercially traded energy sources only

Source: BP Statistical Review of World Energy 2022 / own calculations

Table 1

World Hard Coal Production/Foreign Trade <sup>1)</sup>

	2017			2018			2019		
	Production	Export	Import	Production	Export	Import	Production	Export	Import
Germany	4	1	49	3	1	45	0	1	41
France	0	0	15	0	0	13	0	0	10
UK	3	0	7	3	0	9	2	0	5
Spain <sup>2)</sup>	3	0	19	3	0	16	0	0	8
Poland	66	7	13	63	5	20	62	4	17
Czech Republic	5	3	3	5	3	2	3	3	2
Romania/Bulgaria	0	0	2	0	0	5	0	0	2
Rest of EU 28 <sup>4)</sup>	0	0	54	0	0	59	0	0	52
<b>EU 28 <sup>4)</sup></b>	<b>81</b>	<b>11</b>	<b>163</b>	<b>76</b>	<b>9</b>	<b>169</b>	<b>67</b>	<b>8</b>	<b>137</b>
Russia	408	193	25	433	203	25	437	208	25
Kazakhstan	112	29	0	118	29	1	115	28	1
Ukraine	35	1	20	26	0	19	31	0	21
<b>Designated Countries</b>	<b>555</b>	<b>223</b>	<b>45</b>	<b>577</b>	<b>232</b>	<b>45</b>	<b>583</b>	<b>236</b>	<b>47</b>
Canada	61	30	7	55	31	8	52	36	7
USA	703	88	7	686	105	5	640	84	5
Colombia	91	83	0	84	80	0	82	76	0
Venezuela	0	0	0	0	0	4	0	0	1
<b>Designated Countries</b>	<b>855</b>	<b>201</b>	<b>14</b>	<b>825</b>	<b>216</b>	<b>17</b>	<b>774</b>	<b>196</b>	<b>13</b>
<b>South Africa</b>	<b>252</b>	<b>83</b>	<b>0</b>	<b>253</b>	<b>81</b>	<b>0</b>	<b>259</b>	<b>79</b>	<b>0</b>
<b>Australia</b>	<b>449</b>	<b>373</b>	<b>0</b>	<b>470</b>	<b>387</b>	<b>0</b>	<b>472</b>	<b>395</b>	<b>0</b>
India	667	0	198	716	0	221	711	0	240
PR China	3 445	8	189	3 546	5	186	3 746	6	197
Japan	0	0	192	0	0	189	0	0	186
Indonesia <sup>3)</sup>	415	318	0	471	343	0	532	372	0
<b>Designated Countries</b>	<b>4 527</b>	<b>326</b>	<b>578</b>	<b>4 733</b>	<b>348</b>	<b>597</b>	<b>4 989</b>	<b>378</b>	<b>623</b>
Rest of Asia			323			351			361
Remaining countries/ Statistical difference	139	49	143	137	52	146	144	54	164
<b>World</b>	<b>6 858</b>	<b>1 266</b>	<b>1 266</b>	<b>7 071</b>	<b>1 325</b>	<b>1 325</b>	<b>7 288</b>	<b>1 346</b>	<b>1 346</b>

<sup>1)</sup> Domestic and seaborne trade <sup>2)</sup> Production incl. "Lignito Negro" <sup>3)</sup> Indonesia: Production incl. dom. lignite consumption, but excluding lignite exports <sup>4)</sup> from 2020 EU 27

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

Table 2

2020			2021			2022			
Production	Export	Import	Production	Export	Import	Production	Export	Import	
0	1	30	0	2	39	0	0	42	Germany
0	0	7	0	0	9	0	0	9	France
see remaining countries			see remaining countries			see remaining countries			UK
0	0	4	0	0	5	0	0	10	Spain <sup>2)</sup>
54	5	13	55	6	13	53	5	20	Poland
2	3	3	2	3	5	2	1	4	Czech Republic
0	0	1	0	0	2	0	0	2	Romania/Bulgaria
0	0	27	0	0	34	0	0	40	Rest of EU 28 <sup>4)</sup>
<b>56</b>	<b>9</b>	<b>85</b>	<b>57</b>	<b>11</b>	<b>107</b>	<b>55</b>	<b>6</b>	<b>127</b>	<b>EU 28<sup>4)</sup></b>
401	198	25	437	213	26	436	196	25	Russia
113	29	1	112	32	1	114	32	0	Kazakhstan
29	0	17	23	0	17	20	0	2	Ukraine
<b>543</b>	<b>227</b>	<b>43</b>	<b>572</b>	<b>245</b>	<b>44</b>	<b>570</b>	<b>228</b>	<b>27</b>	<b>Designated Countries</b>
41	32	6	42	32	6	39	36	5	Canada
441	62	5	481	77	5	496	77	6	USA
49	52	0	59	56	0	65	54	0	Colombia
1	0	0	0	0	0	0	0	0	Venezuela
<b>532</b>	<b>146</b>	<b>11</b>	<b>582</b>	<b>165</b>	<b>11</b>	<b>600</b>	<b>167</b>	<b>11</b>	<b>Designated Countries</b>
<b>248</b>	<b>75</b>	<b>0</b>	<b>229</b>	<b>66</b>	<b>0</b>	<b>230</b>	<b>71</b>	<b>0</b>	<b>South Africa</b>
<b>440</b>	<b>370</b>	<b>0</b>	<b>425</b>	<b>366</b>	<b>0</b>	<b>408</b>	<b>339</b>	<b>0</b>	<b>Australia</b>
719	0	214	766	0	190	861	0	203	India
3 812	3	205	4 026	3	205	4 486	4	163	PR China
0	0	174	0	0	183	0	0	183	Japan
498	342	0	522	344	0	577	359	0	Indonesia <sup>3)</sup>
<b>5 029</b>	<b>345</b>	<b>593</b>	<b>5 314</b>	<b>347</b>	<b>578</b>	<b>5 924</b>	<b>363</b>	<b>549</b>	<b>Designated Countries</b>
		354			336			322	Rest of Asia
173	43	129	173	33	157	178	57	195	Remaining countries/ Statistical difference
<b>7 021</b>	<b>1 215</b>	<b>1 215</b>	<b>7 352</b>	<b>1 233</b>	<b>1 233</b>	<b>7 965</b>	<b>1 231</b>	<b>1 231</b>	<b>World</b>

Seaborne Hard Coal Trade <sup>1)</sup>

Exporting Countries	2017			2018			2019		
	Coking Coal	Steam Coal	Total	Coking Coal	Steam Coal	Total	Coking Coal	Steam Coal	Total
Australia	173	200	373	178	208	386	183	212	395
USA	46	37	83	52	48	100	46	33	79
South Africa	0	83	83	0	81	81	0	79	79
Canada	28	2	30	30	1	31	34	2	35
PR China	2	6	8	1	4	5	1	5	6
Colombia	2	83	85	2	80	82	2	76	78
Indonesia	0	318	318	0	343	343	0	372	372
Poland	0	2	2	0	0	0	0	0	0
Russia	35	125	160	40	124	164	38	130	168
Other (incl. Venezuela)	3	13	16	0	14	14	4	19	23
<b>Total</b>	<b>288</b>	<b>869</b>	<b>1 157</b>	<b>304</b>	<b>902</b>	<b>1 206</b>	<b>308</b>	<b>927</b>	<b>1 235</b>
Importing Countries/Regions	2017			2018			2019		
	Coking Coal	Steam Coal	Total	Coking Coal	Steam Coal	Total	Coking Coal	Steam Coal	Total
<b>Europe <sup>2)</sup>, of which</b>	43	157	200	45	158	202	39	137	176
EU 28 <sup>4)</sup>	37	109	146	37	111	148	32	87	119
<b>Asia, of which</b>	184	684	868	186	726	912	191	758	949
Japan	42	150	192	43	146	189	43	143	186
South Korea	24	123	147	25	123	148	22	119	141
Taiwan	11	58	69	12	57	69	13	54	67
PR China	56	100	155	45	105	150	49	112	161
Hong Kong	0	11	11	0	11	11	0	10	10
India	48	151	199	55	166	221	57	183	240
<b>Latin America</b>	15	21	36	15	20	35	9	25	34
Other/ Statistical Difference	-5	57	52	5	53	58	14	62	76
PCI coal included in steam coal <sup>3)</sup>	51	-51	0	53	-55	-2	55	-55	0
<b>Total</b>	<b>288</b>	<b>869</b>	<b>1 157</b>	<b>304</b>	<b>902</b>	<b>1 206</b>	<b>308</b>	<b>927</b>	<b>1 235</b>

Figures excl. overland traffic

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

<sup>2)</sup> incl. neighbouring Mediterranean countries

<sup>3)</sup> coking coal exports from Australia and Russia, including PCI coal

<sup>4)</sup> from 2020 EU 27 without UK

Assessment of various sources

Table 3

2020			2021			2022			
Coking Coal	Steam Coal	Total	Coking Coal	Steam Coal	Total	Coking Coal	Steam Coal	Total	
172	199	371	168	199	367	160	179	339	Australia
36	23	59	38	35	73	39	34	73	USA
0	75	75	0	66	66	0	72	72	South Africa
26	5	31	26	5	31	28	8	36	Canada
1	2	3	1	2	3	0	4	4	PR China
1	52	53	1	56	57	1	54	55	Colombia
0	342	342	0	344	344	0	359	359	Indonesia
2	2	4	2	3	5	3	2	5	Poland
43	117	160	49	122	171	39	120	159	Russia
0	13	13	0	17	17	2	19	21	Other (incl. Venezuela)
<b>281</b>	<b>830</b>	<b>1 111</b>	<b>285</b>	<b>849</b>	<b>1 134</b>	<b>272</b>	<b>851</b>	<b>1 123</b>	<b>Total</b>
2020			2021			2022			
Coking Coal	Steam Coal	Total	Coking Coal	Steam Coal	Total	Coking Coal	Steam Coal	Total	Importing Countries/Regions
31	107	138	38	118	156	37	150	187	<b>Europe</b> <sup>2)</sup> , of which
23	54	77	31	67	98	30	98	128	EU 28 <sup>4)</sup>
189	730	919	187	719	906	179	661	840	<b>Asia</b> , of which
40	134	174	43	140	183	42	141	183	Japan
22	102	124	22	104	126	22	103	125	South Korea
12	51	63	12	56	68	11	52	63	Taiwan
54	122	176	41	148	189	38	94	132	PR China
0	6	6	0	7	7	0	6	6	Hong Kong
54	160	214	60	130	190	56	147	203	India
8	17	25	7	22	29	6	20	26	<b>Latin America</b>
-2	31	29	-5	48	43	-5	75	70	Other/ Statistical Difference
55	-55	0	58	-58	0	55	-55	0	PCI coal included in steam coal <sup>3)</sup>
<b>281</b>	<b>830</b>	<b>1 111</b>	<b>285</b>	<b>849</b>	<b>1 134</b>	<b>272</b>	<b>851</b>	<b>1 123</b>	<b>Total</b>

Hard Coal Exports from Australia										1 000 t
Importing Countries	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Germany	4 739	5 721	5 921	6 608	5 625	5 275	4 771	3 851	5 406	6 299
Belgium	405	39	1 275	231	914	20	1 288	649	297	1 220
France	3 317	3 219	3 707	3 860	2 779	2 907	2 224	1 797	2 279	2 755
UK	2 455	1 803	1 729	1 218	935	980	609	<sup>2)</sup>	<sup>2)</sup>	<sup>2)</sup>
Italy	821	657	840	778	329	556	334	467	438	650
The Netherlands	2 658	2 778	2 504	3 684	1 813	3 007	2 342	2 189	3 186	6 558
Poland	421	1 278	1 346	1 460	1 160	1 486	1 746	954	1 413	3 384
Spain	1 057	1 438	1 340	1 197	870	1 372	302	265	826	1 692
Sweden	1 050	1 079	1 311	1 363	790	1 024	1 252	1 114	988	1 382
Other EU 28	273	82	380	579	631	255	388	164	977	940
<b>EU-28</b>	<b>17 199</b>	<b>18 093</b>	<b>20 353</b>	<b>20 979</b>	<b>15 846</b>	<b>16 881</b>	<b>15 254</b>	<b>11 450</b>	<b>15 810</b>	<b>24 880</b>
UK								560	585	578
Israel	496	174	172	0	0	0	0	0	0	0
Turkey	311	633	1 987	1 505	570	424	857	709	4 114	2 544
Rest of Europe <sup>1)</sup>	0	624	989	391	245	237	176	9	263	0
<b>Europe <sup>1)</sup></b>	<b>18 005</b>	<b>19 525</b>	<b>23 502</b>	<b>22 875</b>	<b>16 661</b>	<b>17 542</b>	<b>16 287</b>	<b>12 728</b>	<b>20 771</b>	<b>28 002</b>
Brazil	3 045	4 745	6 615	6 435	5 745	5 048	3 546	3 751	5 573	4 250
Chile	914	901	2 151	3 640	2 201	978	1 206	2 600	2 628	2 664
Mexico	1 072	2 437	3 638	2 710	0	0	133	0	0	39
PR China	87 581	93 351	71 416	74 898	83 300	89 491	92 685	73 970	182	0
India	34 674	46 826	48 115	48 468	44 269	50 072	49 646	52 827	72 419	55 165
Indonesia	458	1 478	2 275	2 702	3 104	4 086	4 231	5 239	8 687	5 724
Japan	123 433	119 553	125 619	121 648	117 433	116 734	110 047	104 093	119 921	126 209
Malaysia	3 974	6 003	6 173	6 925	6 295	6 549	6 912	7 763	6 794	7 469
Korea	49 806	55 052	59 586	51 122	48 831	47 903	50 323	46 028	61 195	49 191
Taiwan	27 205	29 869	30 001	36 133	31 703	32 586	34 412	31 562	37 721	33 080
Thailand	3 531	3 948	3 777	3 585	3 914	3 444	4 094	3 884	7 435	5 458
Vietnam	429	544	1 302	4 097	4 025	6 953	16 068	20 766	15 775	18 254
Other Countries	3 443	3 276	4 986	6 278	5 474	4 884	4 181	5 258	6 681	3 661
Statistical differences	0	-182	-674	-929	-390	340	1 314	0	0	0
<b>Total Exports</b>	<b>357 571</b>	<b>387 328</b>	<b>388 482</b>	<b>390 586</b>	<b>372 564</b>	<b>386 609</b>	<b>395 086</b>	<b>370 469</b>	<b>365 782</b>	<b>339 166</b>

<sup>1)</sup> Incl. countries bordering the Mediterranean <sup>2)</sup> from 2020 EU 27

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

Table 7



Hard Coal Exports from Indonesia										1 000 t
Importing Countries	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Germany	0	0	84	180	0	0	0	0	0	0
Italy	3 017	3 516	3 106	1 686	891	718	0	67	0	1 522
Spain	4 078	4 071	4 826	4 944	3 232	2 464	685	0	77	245
Other EU 28	668	453	323	450	802	1 132	404	451	172	172
<b>EU 28</b>	<b>7 762</b>	<b>8 041</b>	<b>8 339</b>	<b>7 261</b>	<b>4 926</b>	<b>4 313</b>	<b>1 088</b>	<b>518</b>	<b>249</b>	<b>1 939</b>
Rest of Europe <sup>1)</sup>	147	0	253	238	87	0	131	0	0	0
<b>Europe <sup>1)</sup></b>	<b>7 909</b>	<b>8 041</b>	<b>8 592</b>	<b>7 498</b>	<b>5 012</b>	<b>4 313</b>	<b>1 219</b>	<b>518</b>	<b>249</b>	<b>1 939</b>
Bangladesh	0	159	2 847	1 537	2 268	2 613	5 934	7 167	5 056	7 642
PR China	89 721	49 782	36 684	50 843	47 294	48 136	65 476	62 492	108 487	69 691
Hong Kong	12 876	12 513	9 267	9 424	8 450	9 028	7 877	3 864	5 270	5 177
India	116 824	134 452	123 365	94 609	98 553	110 378	121 591	98 243	70 779	110 155
Japan	37 712	35 579	32 406	33 038	31 421	28 654	27 437	26 965	22 978	26 393
Cambodia	322	641	1 558	1 453	2 382	2 211	2 655	2 854	2 168	2 067
Malaysia	17 121	14 453	16 505	17 272	21 130	21 983	25 275	26 707	25 497	25 222
Pakistan	998	1 100	1 167	1 473	1 509	3 739	3 417	3 527	2 947	4 345
Philippines	14 509	15 021	15 804	17 503	18 978	22 595	27 156	28 061	30 086	30 865
South Korea	35 991	35 549	32 704	35 019	38 075	37 151	29 550	25 052	21 011	25 883
Taiwan	27 947	26 988	24 008	20 290	17 454	17 860	18 676	17 603	16 292	18 245
Thailand	14 258	16 196	17 730	16 384	16 375	19 964	17 600	16 625	15 151	15 338
Vietnam	1 820	1 529	1 988	2 852	6 340	11 668	15 262	18 033	14 999	10 672
Other Countries	3 162	4 244	2 620	2 209	3 064	2 589	3 414	4 010	4 483	5 116
Statistical differences	0	0	-53	-180	-31	0	-367	0	0	0
<b>Total Exports</b>	<b>381 169</b>	<b>356 247</b>	<b>327 191</b>	<b>311 225</b>	<b>318 275</b>	<b>342 883</b>	<b>372 175</b>	<b>341 720</b>	<b>345 453</b>	<b>358 750</b>

<sup>1)</sup> Incl. countries bordering the Mediterranean <sup>2)</sup> from 2020 EU 27

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

Table 8

Hard Coal Exports from Russia										1 000 t
Importing Countries	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022 <sup>3)</sup>
Germany	12 578	13 230	16 564	17 859	19 894	19 170	19 237	14 522	20 312	12 935
Belgium	2 243	2 256	2 239	1 299	838	710	1 520	829	1 617	-
Denmark	821	1 258	860	1 307	1 073	1 541	1 508	1 014	622	-
Finland	3 159	3 561	2 498	1 926	1 976	2 377	2 574	1 276	1 234	-
France	1 572	1 151	1 323	2 847	3 056	2 432	2 214	2 179	2 636	-
UK	23 443	24 028	17 180	11 185	12 169	8 942	1 750	s.u.	s.u.	-
Italy	847	1 442	2 221	1 860	2 298	2 344	2 129	3 008	4 439	-
Poland	6 054	6 439	4 656	5 268	7 641	13 261	10 883	9 831	7 684	-
Romania	287	259	591	464	1 169	3 466	1 323	1 036	954	-
Slovakia	891	949	1 230	1 281	1 293	1 352	1 415	773	877	-
Slovenia	0	5	21	638	192	666	796	175	182	-
Spain	1 740	1 547	3 475	2 463	4 072	2 716	2 041	1 395	1 937	-
Other EU	13 336	13 973	16 637	15 435	18 135	19 299	21 604	14 587	19 376	-
<b>EU-28<sup>1)</sup></b>	<b>66 970</b>	<b>70 097</b>	<b>69 494</b>	<b>63 831</b>	<b>73 806</b>	<b>78 275</b>	<b>68 994</b>	<b>50 627</b>	<b>61 871</b>	-
UK								1 301	2 019	-
Israel	2 033	2 478	2 202	2 491	3 004	2 350	3 170	2 540	2 355	-
Morocco	127	1 400	1 596	2 639	3 215	3 166	4 427	7 088	7 648	-
Turkey	8 967	8 615	9 787	11 496	13 715	11 845	9 398	14 726	13 299	-
Ukraine	10 599	9 812	9 007	9 926	9 275	14 029	7 839	9 116	13 670	-
Belarus	496	550	817	470	357	1 051	3 537	1 278	1 084	-
Rest of Europe <sup>2)</sup>	537	489	1 134	991	972	1 414	2 201	1 956	1 827	-
<b>Europe<sup>2)</sup></b>	<b>89 729</b>	<b>93 441</b>	<b>94 037</b>	<b>91 844</b>	<b>104 345</b>	<b>112 131</b>	<b>99 566</b>	<b>88 631</b>	<b>103 773</b>	-
Mexico	0	0	0	141	1	0	1 323	157	216	-
Brazil	207	239	334	1 152	1 190	1 374	1 333	2 677	4 643	-
PR China	25 077	25 776	16 370	15 991	22 626	22 547	26 695	29 375	43 247	-
Hong Kong	116	414	753	944	1 189	1 093	1 124	902	535	-
India	623	1 635	3 039	3 191	3 460	4 306	7 448	7 518	5 894	-
Japan	12 513	14 657	15 965	18 544	17 426	18 131	19 968	21 433	21 833	-
Malaysia	365	1 500	2 504	3 151	3 064	3 133	3 305	3 596	3 357	-
South Korea	14 545	16 154	19 329	24 757	23 342	25 648	24 039	23 056	20 026	-
Taiwan	3 122	5 502	6 539	7 631	8 768	9 304	8 480	11 221	11 824	-
Vietnam	131	186	995	4 015	2 156	2 413	5 825	7 462	3 417	-
Other Countries	402	1 964	2 697	4 113	4 000	4 044	5 446	6 443	5 270	-
Statistical differences	-8 558	-8 822	-10 061	-9 550	1 256	-941	3 216	-4 408	-630	-
<b>Total Exports</b>	<b>138 273</b>	<b>152 647</b>	<b>152 501</b>	<b>165 924</b>	<b>192 821</b>	<b>203 183</b>	<b>207 771</b>	<b>198 064</b>	<b>223 406</b>	-

<sup>1)</sup> from 2020 EU-27 without UK <sup>2)</sup> incl. countries bordering the Mediterranean <sup>3)</sup> 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

Table 9

Hard Coal Exports from USA										1 000 t
Importing Countries	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Germany	12 088	11 140	11 200	9 547	9 050	10 061	8 566	5 706	6 942	9 083
France	3 727	1 990	1 208	1 215	1 974	1 547	1 161	882	690	1 648
UK	12 257	8 897	3 811	965	2 476	3 805	1 258	<sup>2)</sup>	<sup>2)</sup>	<sup>2)</sup>
Italy	5 981	5 330	3 112	1 733	2 850	3 091	2 425	1 031	962	1 299
Croatia	978	1 455	1 411	1 173	1 748	2 107	1 628	1 196	1 054	1 271
The Netherlands	4 452	4 594	4 441	2 847	3 807	4 497	2 165	32	1 418	1 660
Austria	558	355	379	382	519	951	1 986	1 430	1 176	1 016
Poland	591	652	513	219	1 231	1 656	1 329	919	1 054	2 277
Spain	1 430	1 357	1 151	1 263	1 590	1 657	556	354	618	1 005
Other EU 28	4 427	3 450	2 843	2 113	4 098	3 135	2 911	1 506	1 516	3 838
<b>EU 28</b>	<b>46 491</b>	<b>39 221</b>	<b>30 068</b>	<b>21 458</b>	<b>29 343</b>	<b>32 509</b>	<b>23 986</b>	<b>13 058</b>	<b>15 431</b>	<b>23 097</b>
Egypt	305	375	148	1	1 769	3 475	4 242	1 030	2 434	2 688
Morocco	2 803	2 218	193	941	2 656	3 888	3 149	760	1 938	2 114
Turkey	4 520	4 045	1 863	1 349	2 326	2 778	1 637	2 469	822	1 662
Ukraine	2 626	2 573	2 549	1 868	4 049	4 370	4 462	3 277	2 379	384
UK								1 030	1 374	2 297
Rest of Europe <sup>1)</sup>	1 419	1 706	136	142	74	127	46	49	117	74
<b>Europe <sup>1)</sup></b>	<b>58 164</b>	<b>50 139</b>	<b>34 957</b>	<b>25 759</b>	<b>40 216</b>	<b>47 147</b>	<b>37 523</b>	<b>21 673</b>	<b>24 495</b>	<b>32 316</b>
Canada	6 479	6 089	5 403	4 545	4 794	5 188	4 633	4 160	4 157	3 859
Mexico	5 106	4 268	3 412	2 807	3 387	4 911	2 276	532	556	369
Brazil	7 764	7 245	5 750	6 294	6 859	7 796	6 817	7 156	5 669	5 894
PR China	7 465	1 477	208	902	2 936	2 368	1 062	1 621	11 290	2 636
India	3 556	4 199	5 794	5 015	10 399	15 591	11 643	11 648	13 872	14 024
Japan	4 783	4 504	4 224	4 133	6 957	9 426	9 968	5 509	6 862	7 479
South Korea	7 648	7 283	5 563	4 056	8 573	8 456	6 165	5 922	5 786	4 741
Other Countries	5 710	3 117	2 046	1 148	3 603	4 093	3 427	4 147	4 505	5 554
Statistical differences	10	0	0	0	119	0	0	0	0	0
<b>Total Exports</b>	<b>106 684</b>	<b>88 320</b>	<b>67 358</b>	<b>54 658</b>	<b>87 842</b>	<b>104 977</b>	<b>83 513</b>	<b>62 368</b>	<b>77 192</b>	<b>76 872</b>

<sup>1)</sup> Incl. countries bordering the Mediterranean <sup>2)</sup> from 2020 EU 27

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

Table 10

Hard Coal Exports from Colombia (only steam coal)										1 000 t
Importing Countries	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Germany	9 837	7 273	10 195	10 691	6 053	4 023	1 925	1 913	2 264	7 165
Denmark	1 927	1 248	574	548	158	449	168	0	0	289
France	1 765	695	756	1 077	1 832	1 010	33	245	680	199
UK	6 195	6 867	4 100	598	329	745	108	<sup>2)</sup>	<sup>2)</sup>	<sup>2)</sup>
Ireland	1 773	1 792	2 131	1 146	1 514	563	439	47	0	824
Italy	1 264	1 205	2 661	3 561	2 609	2 325	1 591	197	33	341
The Netherlands	10 305	8 503	8 463	6 824	3 301	2 373	4 951	799	4 481	2 259
Polands	0	88	154	172	357	554	1 008	650	528	2 066
Portugal	3 246	4 196	5 357	4 960	4 793	4 236	2 005	259	0	0
Spain	2 981	6 067	5 869	4 653	5 707	4 517	1 727	514	1 770	2 101
Other EU-28	840	479	372	911	639	241	71	0	146	294
<b>EU-28 <sup>1)</sup></b>	<b>40 134</b>	<b>38 413</b>	<b>40 630</b>	<b>35 141</b>	<b>27 292</b>	<b>21 036</b>	<b>14 025</b>	<b>4 625</b>	<b>8 113</b>	<b>15 538</b>
Israel	4 901	5 257	5 845	4 547	3 921	4 284	5 024	4 170	3 375	4 061
Turkey	7 660	9 300	11 414	16 115	17 031	18 058	18 643	14 834	14 619	11 100
UK								76	219	376
Rest of Europe <sup>2)</sup>	0	0	32	188	187	93	438	184	232	160
<b>Europe <sup>2)</sup></b>	<b>52 695</b>	<b>52 970</b>	<b>57 921</b>	<b>55 991</b>	<b>48 431</b>	<b>43 470</b>	<b>38 130</b>	<b>23 889</b>	<b>26 415</b>	<b>31 235</b>
Canada	1 593	1 516	1 711	1 445	1 733	2 138	2 075	962	1 312	1 243
USA	4 511	5 565	6 341	5 649	3 944	2 544	3 060	2 475	1 655	2 340
Dominican Republic	268	688	794	1 002	958	826	1 059	1 009	919	1 747
Guatemala	750	1 305	1 769	2 060	1 247	2 001	2 566	1 661	1 634	928
Mexico	593	353	242	2 038	6 832	6 015	5 379	32	272	1 980
Panama	371	413	349	325	110	333	925	816	884	838
Puerto Rico	1 369	1 413	1 390	1 564	1 096	1 170	1 594	1 494	1 552	1 408
Brazil	2 076	4 448	5 042	4 570	4 503	4 965	4 504	3 034	5 663	1 780
Chile	7 053	5 646	4 380	4 989	6 786	7 687	8 125	6 161	6 341	4 167
PR China	223	0	0	325	80	330	1 649	1 552	3 141	61
India	494	0	0	2 644	495	346	667	3 107	0	13
Japan	278	0	20	240	1 949	948	607	328	904	1 079
South Korea	0	0	0	3 771	2 938	5 382	4 773	4 310	2 910	1 975
Other Countries	1 415	727	887	1 934	1 650	2 012	1 381	1 318	2 349	2 929
Statistical differences	0	0	0	0	0	0	0	0	0	0
<b>Total Exports</b>	<b>73 690</b>	<b>75 044</b>	<b>80 846</b>	<b>88 549</b>	<b>82 753</b>	<b>80 169</b>	<b>76 496</b>	<b>52 148</b>	<b>55 952</b>	<b>53 723</b>

<sup>1)</sup> Incl. countries bordering the Mediterranean <sup>2)</sup> from 2020 EU 27

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

Table 11

Hard Coal Exports from South Africa										1 000 t
Importing Countries	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Germany	12 578	5 122	3 591	2 003	1 629	1 058	803	425	1 030	3 881
France	1 209	838	386	650	612	571	114	115	80	1 194
Italy	2 297	1 516	3 883	2 799	833	151	0	0	471	3 093
Spain	1 698	3 211	2 400	1 092	2 785	1 295	678	0	30	716
Other EU 28	6 355	7 058	635	2 246	1 018	3 370	695	229	912	12 210
<b>EU 28</b>	<b>24 136</b>	<b>17 745</b>	<b>10 895</b>	<b>8 791</b>	<b>6 877</b>	<b>6 445</b>	<b>2 290</b>	<b>736</b>	<b>2 522</b>	<b>21 094</b>
Israel	3 306	2 503	2 559	1 003	1 166	683	338	502	833	664
Morocco	300	1 338	4 325	2 243	757	353	447	61	584	1 903
Turkey	2 836	3 668	4 548	1 570	1 867	1 697	290	1 860	172	213
Rest of Europe <sup>1)</sup>	0	742	1 586	1 856	1 134	1 571	269	72	111	2 011
<b>Europe <sup>1)</sup></b>	<b>30 578</b>	<b>25 997</b>	<b>23 913</b>	<b>15 463</b>	<b>11 800</b>	<b>10 749</b>	<b>3 636</b>	<b>3 231</b>	<b>4 221</b>	<b>25 885</b>
USA	511	574	504	250	405	475	432	440	687	473
Brazil	631	1 014	944	879	998	474	461	347	381	424
Bangladesh	0	79	804	617	541	750	1 051	903	986	312
PR China	13 535	3 260	0	60	0	6	0	659	6 665	884
India	20 894	30 574	35 299	37 567	36 511	36 344	43 249	38 199	25 306	20 672
Japan	549	145	150	0	311	135	310	85	206	1 234
Malaysia	1 893	1 610	1 069	1 062	774	571	649	466	784	996
Pakistan	2 308	3 367	3 720	4 922	8 617	9 982	11 912	12 061	12 050	3 680
Sri Lanka	182	0	1 188	2 043	2 270	2 014	1 723	2 485	1 793	1 227
South Korea	150	305	318	2 739	8 328	6 827	3 857	1 409	3 240	6 498
Taiwan	5 804	1 344	1 289	765	3 203	2 774	1 137	1 044	1 814	2 150
Vietnam	0	0	44	511	55	127	2 614	7 506	1 171	68
Other Countries	6 363	8 159	8 210	8 569	9 126	9 768	7 517	6 058	6 896	6 991
Statistical differences	0	0	0	0	197	0	0	0	0	0
<b>Total Exports</b>	<b>83 399</b>	<b>76 429</b>	<b>77 451</b>	<b>75 446</b>	<b>83 138</b>	<b>80 997</b>	<b>78 547</b>	<b>74 893</b>	<b>66 199</b>	<b>71 494</b>

<sup>1)</sup> Incl. countries bordering the Mediterranean <sup>2)</sup> from 2020 EU 27

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

Table 12

Hard Coal Exports from Canada										1 000 t
Importing Countries	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Germany	1 202	1 462	1 350	1 487	1 481	1 551	1 395	1 219	1 301	888
Finland	428	537	526	587	412	605	460	110	225	52
France	0	31	0	92	119	69	74	38	0	0
Italy	817	403	288	283	318	234	256	78	143	149
Croatia	0	0	0	0	0	0	0	0	0	0
Poland	120	122	294	367	690	760	602	342	822	802
Other EU 28	642	887	699	-222	761	842	277	95	391	1 228
<b>EU 28</b>	<b>3 208</b>	<b>3 442</b>	<b>3 157</b>	<b>2 594</b>	<b>3 782</b>	<b>4 061</b>	<b>3 063</b>	<b>1 929</b>	<b>2 088</b>	<b>3 119</b>
Turkey	334	491	834	1 039	659	512	668	1 155	520	338
Ukraine	326	281	1 106	878	800	452	0	0	0	0
Rest of Europe <sup>1)</sup>	232	59	195	180	119	122	30	49	0	421
<b>Europe <sup>1)</sup></b>	<b>4 102</b>	<b>4 274</b>	<b>5 292</b>	<b>4 690</b>	<b>5 360</b>	<b>5 147</b>	<b>3 761</b>	<b>3 133</b>	<b>2 608</b>	<b>3 878</b>
USA	911	834	980	893	735	695	661	308	834	1 549
Brazil	1 677	2 263	1 113	901	926	863	756	305	78	150
Chile	327	274	366	638	266	199	179	1 331	1 247	607
PR China	11 025	7 709	5 361	5 126	4 749	3 129	4 823	5 209	10 646	8 447
India	1 360	1 711	1 700	2 697	3 085	4 140	4 943	3 692	2 020	2 926
Japan	10 108	8 850	8 306	7 914	7 240	7 447	8 488	7 960	7 261	10 392
South Korea	7 594	6 675	5 777	5 702	5 681	5 720	9 221	7 257	5 174	6 279
Taiwan	1 151	1 509	1 252	1 417	1 622	1 462	2 312	1 974	1 731	1 988
Vietnam	0	0	90	172	521	1 205	1 317	261	0	130
Other Countries	278	159	185	95	256	937	0	108	56	0
Statistical differences	0	0	-268	-75	0	0	-181	0	0	0
<b>Total Exports</b>	<b>38 534</b>	<b>34 259</b>	<b>30 153</b>	<b>30 170</b>	<b>30 441</b>	<b>30 944</b>	<b>36 281</b>	<b>31 537</b>	<b>31 737</b>	<b>36 346</b>

<sup>1)</sup> Incl. countries bordering the Mediterranean <sup>2)</sup> from 2020 EU 27

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

Table 13

Hard Coal Exports from China										1 000 t
Importing Countries	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Germany	8	51	16	12	12	10	9	2	10	31
UK	0	0	0	0	77	0	0	<sup>2)</sup>	<sup>2)</sup>	<sup>2)</sup>
The Netherlands	0	0	11	1	0	0	9	0	0	3
Other EU 28	0	0	0	1	0	0	0	0	0	0
<b>EU 28</b>	<b>8</b>	<b>51</b>	<b>27</b>	<b>13</b>	<b>89</b>	<b>10</b>	<b>18</b>	<b>2</b>	<b>10</b>	<b>34</b>
Rest of Europe <sup>1)</sup>	4	0	0	0	0	95	0	0	0	91
<b>Europe <sup>1)</sup></b>	<b>12</b>	<b>51</b>	<b>27</b>	<b>13</b>	<b>89</b>	<b>105</b>	<b>18</b>	<b>2</b>	<b>10</b>	<b>125</b>
India	0	0	2	1	172	0	164	0	0	80
Indonesia	1	0	10	42	218	324	537	580	1 120	1 787
Japan	3 020	2 070	1 503	2 667	3 132	1 869	2 170	922	817	1 064
Malaysia	0	4	15	17	8	91	264	50	11	100
North Korea	129	80	71	132	44	438	763	0	0	0
South Korea	3 303	2 835	2 014	3 543	3 421	1 821	1 463	1 268	566	535
Taiwan	835	467	414	976	765	193	531	278	47	1
Vietnam	0	0	1 051	1 151	28	23	0	0	0	0
Other Countries	21	140	96	113	192	29	79	59	11	277
Statistical differences	-8	-23	-2	-12	35	-10	-9	-2	-10	0
<b>Total Exports</b>	<b>7 313</b>	<b>5 624</b>	<b>5 203</b>	<b>8 644</b>	<b>8 102</b>	<b>4 883</b>	<b>5 980</b>	<b>3 157</b>	<b>2 572</b>	<b>3 969</b>
<sup>1)</sup> Incl. countries bordering the Mediterranean <sup>2)</sup> from 2020 EU 27										
Source: S&P Global-IHS Markit, coal imports and exports by country and type, from 27.03.2023 / DESTATIS										

Table 14

Hard Coal Exports from Poland										1 000 t
Importing Countries	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Germany	3 680	3 299	3 342	2 422	1 254	251	218	178	291	170
Denmark	553	365	150	141	5	5	0	0	0	5
UK	665	230	123	51	26	22	18	<sup>2)</sup>	<sup>2)</sup>	<sup>2)</sup>
Ireland	170	148	101	93	23	22	4	14	7	0
The Netherlands	147	54	381	159	0	0	0	0	54	0
Austria	807	887	850	846	881	1 008	974	892	1 007	878
Slovakia	767	500	619	650	784	675	543	438	472	457
Sweden	184	117	100	85	32	6	0	0	16	7
Czech Republic	1 623	2 604	2 633	2 827	3 108	2 395	2 274	2 683	3 415	3 107
Hungary	93	58	164	169	186	170	149	210	272	112
Other EU 28	1 399	250	457	326	106	73	21	3	34	46
<b>EU 28</b>	<b>10 088</b>	<b>8 511</b>	<b>8 919</b>	<b>7 768</b>	<b>6 406</b>	<b>4 626</b>	<b>4 202</b>	<b>4 411</b>	<b>5 514</b>	<b>4 782</b>
UK								8	52	0
Ukraine	131	125	296	538	651	313	236	168	800	570
Rest of Europe <sup>1)</sup>	927	791	539	1 272	41	18	14	16	94	16
<b>Europe <sup>1)</sup></b>	<b>11 145</b>	<b>9 427</b>	<b>9 754</b>	<b>9 579</b>	<b>7 098</b>	<b>4 956</b>	<b>4 451</b>	<b>4 603</b>	<b>6 445</b>	<b>5 368</b>
Other Countries	0	2	116	140	0	3	3	0	0	109
Statistical differences	363	-218	-407	-513	14	99	-24	70	51	0
<b>Total Exports</b>	<b>11 509</b>	<b>9 211</b>	<b>9 463</b>	<b>9 206</b>	<b>7 112</b>	<b>5 059</b>	<b>4 431</b>	<b>4 672</b>	<b>6 497</b>	<b>5 477</b>
<sup>1)</sup> Incl. countries bordering the Mediterranean <sup>2)</sup> from 2020 EU 27										
Source: S&P Global-IHS Markit, coal imports and exports by country and type, from 27.03.2023/ DESTATIS										

Table 15



Primary Energy Consumption in Germany										Mill. TCE
Energy Source	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Hard Coal	61.0	58.1	58.6	56.7	50.0	48.7	37.0	30.6	37.9	39.4
of which import coal	(52.4)	(52.1)	(51.3)	(53.6)	(48.2)	(44.5)	(37.0)	(30.6)	(37.9)	(39.4)
Lignite	55.6	53.6	53.5	51.8	51.5	50.0	39.7	32.7	38.5	40.1
Oil	158.3	154.1	153.2	155.3	159.5	151.6	153.9	139.4	137.8	141.8
Natural Gas	104.4	91.4	94.2	103.8	106.5	105.4	109.7	107.0	112.7	95.0
Nuclear Energy	36.2	36.2	34.2	31.5	28.4	28.3	27.9	24.0	25.7	12.9
Renewables	51.1	51.8	56.1	57.9	61.1	61.5	65.0	67.3	66.5	69.0
Foreign Trade Balance Electric Power	-4.2	-4.4	-6.4	-6.6	-6.8	-6.0	-4.0	-2.3	-2.3	-3.4
Other Energy Sources	7.1	7.7	7.6	8.0	8.4	7.6	7.8	7.3	7.6	6.8
<b>Total <sup>1)</sup></b>	<b>469.5</b>	<b>448.5</b>	<b>451.0</b>	<b>458.4</b>	<b>458.6</b>	<b>447.0</b>	<b>437.0</b>	<b>406.0</b>	<b>424.4</b>	<b>401.6</b>
										Shares in %
Energy Source	2013	2014	2015	2016	2017	2018	2019	2019	2021	2022
Hard Coal	13.0	13.0	13.0	12.4	10.9	10.9	8.5	7.5	8.9	9.8
of which import coal	(11.2)	(11.6)	(11.4)	(11.7)	(10.5)	(10.0)	(8.5)	(7.5)	(8.9)	(9.8)
Lignite	11.8	12.0	11.9	11.3	11.2	11.2	9.1	8.1	9.1	10.0
Oil	33.7	34.4	34.0	33.9	34.8	33.9	35.2	34.3	32.5	35.3
Natural Gas	22.2	20.4	20.9	22.6	23.2	23.6	25.1	26.4	26.6	23.6
Nuclear Energy	7.7	8.1	7.6	6.9	6.2	6.3	6.4	5.9	6.1	3.2
Hydroelectric and Wind Power	10.9	11.5	12.4	12.6	13.3	13.8	14.9	16.6	15.7	17.2
Foreign Trade Balance Electric Power	-0.9	-1.0	-1.4	-1.4	-1.5	-1.3	-0.9	-0.6	-0.5	-0.9
Other Energy Sources	1.5	1.7	1.7	1.7	1.8	1.7	1.7	1.8	1.7	1.6
<b>Total <sup>1)</sup></b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.3</b>	<b>100.0</b>
<sup>1)</sup> Rounding-off differences possible										
Sources: Arbeitsgemeinschaft Energiebilanzen, "Energy consumption in Germany in the year 2022", April 2023 / German Federal Statistical Office, own calculations										

Table 17

### Import of Hard Coal and Hard Coal Coke to Germany

Countries	2019						2020					
	Steam Coal	Coking Coal	Anthracite	Coke	Briquettes	Total	Steam Coal	Coking Coal	Anthracite	Coke	Briquettes	Total
Poland	190		27	1 181	0	1 398	150		27	1 029	0	1 207
Czech Rep.	45		2	238		284	2		1	200		204
Other	1 136	32	173	160	9	1 510	537	70	157	191	7	960
<b>EU 28<sup>1)</sup></b>	<b>1 371</b>	<b>32</b>	<b>202</b>	<b>1 578</b>	<b>9</b>	<b>3 193</b>	<b>689</b>	<b>70</b>	<b>185</b>	<b>1 420</b>	<b>7</b>	<b>2 371</b>
Russian Federation	17 174	1 369	631	185	62	19 422	13 111	878	505	70	59	14 623
Ukraine	0		30			30			6			6
Kazakhstan	1 169					1 169	159					159
Norway	51					51	19					19
UK	1 156		8	4	1	1 169	750		23	2	0	776
USA	5 030	3 514	22			8 566	2 036	3 663	7			5 706
Canada	175	1 219		15		1 409	0	1 219				1 219
Colombia	1 925		26	43		1 994	1 913	0	10	56		1 979
South Africa	803		0			803	425					425
Mozambique	206	365				571		140				140
Australia	27	4 745				4 771		3 851				3 851
PR China	0		9	64		73			2	71		74
Indonesia												
Other Third Countries												
<b>Third Countries</b>	<b>27 716</b>	<b>11 212</b>	<b>727</b>	<b>310</b>	<b>63</b>	<b>40 029</b>	<b>18 413</b>	<b>9 750</b>	<b>554</b>	<b>200</b>	<b>59</b>	<b>28 976</b>
<b>Total<sup>2)</sup></b>	<b>29 087</b>	<b>11 244</b>	<b>930</b>	<b>1 888</b>	<b>73</b>	<b>43 222</b>	<b>19 102</b>	<b>9 820</b>	<b>739</b>	<b>1 620</b>	<b>66</b>	<b>31 347</b>

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

Sources: Federal Statistical Office, own calculations

Table 22

												1 000 t
2021						2022						Countries
Steam Coal	Coking Coal	Anthracite	Coke	Briquettes	Total	Steam Coal	Coking Coal	Anthracite	Coke	Briquettes	Total	
255		45	1 324	1	1 624	156	1	13	1 455	0	1 625	Poland
2		2	280		284	1		2	221		223	Czech Rep.
761	42	222	155	9	1 189	577	50	208	87	7	930	Other
<b>1 018</b>	<b>42</b>	<b>269</b>	<b>1 759</b>	<b>10</b>	<b>3 097</b>	<b>733</b>	<b>52</b>	<b>223</b>	<b>1 763</b>	<b>7</b>	<b>2 778</b>	<b>EU 28<sup>1)</sup></b>
17 974	1 384	659	171	59	20 247	11 658	756	507	68	36	13 025	Russian Federation
		10			10			14			14	Ukraine
						550		11			561	Kazakhstan
48					48	49	15				64	Norway
31		10	3	0	44	82		2	3	0	87	UK
3 361	3 639	17	112		7 129	5 149	3 878	22	251		9 300	USA
4	1 297		28		1 329	82	788		47		917	Canada
2 365		8	60		2 433	7 247		3	47		7 297	Colombia
976	52				1 028	3 880	179		15		4 074	South Africa
16	0				16	70					70	Mozambique
42	5 364		47		5 453	421	5 878	0	52		6 352	Australia
		10	147		157	0		31	54	0	86	PR China
						4				21	25	Indonesia
												Other Third Countries
<b>24 817</b>	<b>11 736</b>	<b>714</b>	<b>568</b>	<b>60</b>	<b>37 894</b>	<b>29 192</b>	<b>11 494</b>	<b>589</b>	<b>538</b>	<b>58</b>	<b>41 871</b>	<b>Third Countries</b>
<b>25 835</b>	<b>11 778</b>	<b>983</b>	<b>2 326</b>	<b>70</b>	<b>40 992</b>	<b>29 926</b>	<b>11 545</b>	<b>813</b>	<b>2 301</b>	<b>65</b>	<b>44 650</b>	<b>Total<sup>2)</sup></b>

Important Coal Transshipments in German Seaports										1 000 t
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
<b>North Sea Ports</b>										
Hamburg	5 629	5 924	7 672	7 434	7 697	8 162	7 232	4 736	5 458	6 701
Wilhelmshaven	3 301	3 112	4 093	2 480	3 536	3 556	2 311	966	1 584	3 149
Bremen Ports	1 270	1 636	1 710	1 175	1 175	895	846	398	680	1 201
Brunsbüttel	793	525	485	782	804	997	597	306	170	1 272
Nordenham	1 574	1 277	1 107	958	1 242	1 253	824	487	964	2 258
<b>Total</b>	<b>12 567</b>	<b>12 474</b>	<b>15 067</b>	<b>12 829</b>	<b>14 454</b>	<b>14 864</b>	<b>11 809</b>	<b>6 893</b>	<b>8 857</b>	<b>14 581</b>
<b>Baltic Sea Ports</b>										
Rostock	1 032	1 234	985	1 184	1 287	848	756	457	1 293	551
Flensburg	255	239	254	227	116	170	141	106	142	190
Kiel	178	325	231	158	72					
<b>Total</b>	<b>1 465</b>	<b>1 798</b>	<b>1 470</b>	<b>1 569</b>	<b>1 475</b>	<b>1 018</b>	<b>897</b>	<b>563</b>	<b>1 435</b>	<b>741</b>
<b>Total Transshipment</b>	<b>14 032</b>	<b>14 272</b>	<b>16 537</b>	<b>14 398</b>	<b>15 929</b>	<b>15 882</b>	<b>12 706</b>	<b>7 456</b>	<b>10 292</b>	<b>15 322</b>

Source: German Federal Statistical Office

Table 18a