

Table M1. World coal production by region, Low Economic Growth case

million short tons

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas	782	717	459	459	472	462	474	-1.8%
United States	628	564	306	295	295	272	263	-3.1%
Canada	61	55	49	51	52	59	62	0.0%
Mexico	8	8	9	10	13	13	13	1.8%
Brazil	4	5	4	5	5	5	10	3.1%
Other Americas	81	86	91	98	108	114	125	1.6%
Europe and Eurasia	1,014	975	879	901	910	897	989	-0.1%
Western Europe	486	474	367	376	366	351	421	-0.5%
Russia	398	380	391	392	401	400	420	0.2%
Eastern Europe and Eurasia	129	122	121	132	142	146	148	0.5%
Asia Pacific	6,453	6,304	6,294	6,239	6,019	5,821	5,608	-0.5%
Japan	1	1	1	1	1	1	1	1.3%
South Korea	1	1	1	1	2	2	2	1.5%
Australia and New Zealand	410	469	499	534	560	572	585	1.3%
China	4,366	4,104	3,719	3,393	3,052	2,812	2,596	-1.8%
India	805	887	1,089	1,208	1,248	1,268	1,234	1.5%
Other Asia Pacific	870	841	984	1,102	1,158	1,166	1,191	1.1%
Africa and Middle East	215	222	270	292	316	330	341	1.7%
Africa	213	220	267	290	314	328	338	1.7%
Middle East	2	2	2	2	2	2	2	0.6%
World	8,464	8,218	7,902	7,892	7,718	7,510	7,411	-0.5%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Im_230821.151939 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding.

Table M2. World thermal coal production by region, Low Economic Growth case

million short tons

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas	658	578	317	321	333	319	326	-2.5%
United States	550	472	211	203	203	182	174	-4.0%
Canada	26	19	14	16	17	17	18	-1.3%
Mexico	3	3	3	5	7	7	7	3.7%
Brazil	4	5	4	5	5	5	10	3.1%
Other Americas	75	80	85	92	102	108	117	1.6%
Europe and Eurasia	863	822	722	738	745	732	822	-0.2%
Western Europe	468	456	348	357	346	331	401	-0.6%
Russia	283	263	271	268	276	274	293	0.1%
Eastern Europe and Eurasia	111	104	102	114	123	127	129	0.5%
Asia Pacific	5,692	5,601	5,697	5,724	5,571	5,420	5,254	-0.3%
Japan	1	1	1	1	1	1	1	1.3%
South Korea	1	1	1	1	2	2	2	1.5%
Australia and New Zealand	234	262	300	329	351	355	366	1.6%
China	3,874	3,704	3,419	3,181	2,911	2,728	2,566	-1.5%
India	757	838	1,040	1,159	1,199	1,219	1,180	1.6%
Other Asia Pacific	825	794	936	1,053	1,107	1,115	1,139	1.2%
Africa and Middle East	206	213	260	283	307	320	330	1.7%
Africa	206	213	260	282	306	320	330	1.7%
Middle East	0	0	0	0	0	0	0	2.0%
World	7,418	7,214	6,995	7,065	6,955	6,790	6,732	-0.3%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Im_230821.151939 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding.

Table M3. World metallurgical coal production by region, Low Economic Growth case

million short tons

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas	125	139	143	139	139	143	148	0.6%
United States	78	92	95	92	92	90	90	0.5%
Canada	36	36	36	36	36	42	44	0.8%
Mexico	6	5	6	6	6	6	6	0.4%
Brazil	0	0	0	0	0	0	0	0.0%
Other Americas	6	6	6	6	6	6	8	1.0%
Europe and Eurasia	151	153	157	163	165	166	167	0.4%
Western Europe	18	18	19	20	20	20	20	0.4%
Russia	116	117	120	124	126	126	127	0.3%
Eastern Europe and Eurasia	17	18	18	19	19	19	19	0.4%
Asia Pacific	761	703	597	515	449	401	355	-2.7%
Japan	0	0	0	0	0	0	0	0.0%
South Korea	0	0	0	0	0	0	0	0.0%
Australia and New Zealand	175	206	199	205	209	217	218	0.8%
China	491	401	301	212	140	84	30	-9.5%
India	49	49	49	49	49	49	54	0.3%
Other Asia Pacific	45	47	48	50	51	52	53	0.5%
Africa and Middle East	9	9	10	10	10	10	11	0.5%
Africa	7	7	8	8	8	8	9	0.6%
Middle East	2	2	2	2	2	2	2	0.4%
World	1,046	1,005	907	827	763	720	680	-1.5%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Im_230821.151939 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding.

Table M4. World coal consumption by region, Low Economic Growth case

million short tons

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas	574	502	258	258	254	248	257	-2.8%
United States	499	435	196	186	164	145	137	-4.5%
Canada	25	15	5	5	5	5	5	-5.4%
Mexico	7	7	8	10	14	14	14	2.4%
Brazil	25	26	25	26	27	27	34	1.2%
Other Americas	17	18	24	31	45	57	67	4.9%
Europe and Eurasia	1,018	986	827	827	815	797	882	-0.5%
Western Europe	642	610	468	471	448	423	499	-0.9%
Russia	238	246	230	214	215	217	220	-0.3%
Eastern Europe and Eurasia	138	130	130	142	152	157	162	0.6%
Asia Pacific	6,695	6,560	6,619	6,601	6,402	6,212	5,988	-0.4%
Japan	193	190	131	114	108	102	97	-2.4%
South Korea	110	106	111	114	115	116	115	0.2%
Australia and New Zealand	100	91	103	112	114	113	113	0.4%
China	4,676	4,475	4,163	3,895	3,588	3,312	3,063	-1.5%
India	1,063	1,148	1,435	1,547	1,631	1,713	1,684	1.7%
Other Asia Pacific	551	550	676	819	846	855	916	1.8%
Africa and Middle East	177	170	198	205	246	253	285	1.7%
Africa	165	159	186	193	235	242	273	1.8%
Middle East	12	11	11	11	12	12	12	-0.1%
World	8,464	8,218	7,902	7,892	7,718	7,510	7,411	-0.5%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Im_230821.151939 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding.

Table M5. World thermal coal consumption by region, Low Economic Growth case

million short tons

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas	536	463	218	218	215	210	219	-3.1%
United States	483	418	178	169	148	130	122	-4.8%
Canada	22	12	2	2	3	3	3	-7.4%
Mexico	3	4	4	6	10	10	10	4.1%
Brazil	12	13	12	13	13	13	20	1.9%
Other Americas	15	16	21	28	41	53	64	5.3%
Europe and Eurasia	852	820	664	664	651	631	713	-0.6%
Western Europe	582	554	417	423	405	383	464	-0.8%
Russia	155	161	144	126	125	123	122	-0.8%
Eastern Europe and Eurasia	114	105	103	115	121	124	126	0.4%
Asia Pacific	5,860	5,768	5,925	5,989	5,857	5,714	5,536	-0.2%
Japan	152	151	98	85	84	82	80	-2.2%
South Korea	72	69	73	77	78	80	80	0.4%
Australia and New Zealand	96	87	99	108	110	109	108	0.4%
China	4,067	3,905	3,693	3,520	3,298	3,095	2,909	-1.2%
India	948	1,035	1,318	1,413	1,477	1,533	1,485	1.6%
Other Asia Pacific	524	522	645	786	810	816	873	1.8%
Africa and Middle East	170	163	188	193	232	236	264	1.6%
Africa	163	155	181	186	224	229	256	1.6%
Middle East	8	7	7	7	7	7	7	-0.1%
World	7,418	7,214	6,995	7,065	6,955	6,790	6,732	-0.3%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Im_230821.151939 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding.

Table M6. World metallurgical coal consumption by region, Low Economic Growth case

million short tons

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas	38	39	40	40	39	39	38	0.0%
United States	16	17	18	17	16	15	15	-0.4%
Canada	3	3	3	3	3	3	3	-0.3%
Mexico	4	4	4	4	4	4	4	0.0%
Brazil	13	13	13	14	14	14	14	0.3%
Other Americas	2	3	3	3	3	3	3	1.2%
Europe and Eurasia	167	166	163	163	164	166	169	0.0%
Western Europe	59	56	51	47	43	39	35	-1.8%
Russia	83	84	86	88	90	94	98	0.6%
Eastern Europe and Eurasia	24	25	26	28	30	33	36	1.4%
Asia Pacific	834	792	694	612	545	497	451	-2.2%
Japan	41	39	33	28	24	20	16	-3.2%
South Korea	38	37	38	37	37	36	36	-0.2%
Australia and New Zealand	4	4	4	4	5	5	5	0.4%
China	609	570	470	375	289	217	153	-4.8%
India	115	113	117	134	154	180	199	2.0%
Other Asia Pacific	27	28	31	33	36	39	42	1.6%
Africa and Middle East	7	8	10	12	14	17	21	4.2%
Africa	3	4	5	8	10	13	17	6.9%
Middle East	4	4	4	4	4	4	4	0.1%
World	1,046	1,005	907	827	763	720	680	-1.5%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Im_230821.151939 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding.

Table M7. World coal imports by region, Low Economic Growth case

million short tons

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas	31	31	30	31	31	31	34	0.2%
United States	6	5	4	4	2	2	3	-2.3%
Canada	5	4	4	4	4	3	3	-1.0%
Mexico	1	1	1	1	3	3	3	5.3%
Brazil	20	21	21	22	22	22	24	0.6%
Other Americas	0	0	0	0	0	0	0	5.5%
Europe and Eurasia	168	147	112	107	96	88	97	-2.0%
Western Europe	155	136	100	94	82	71	79	-2.4%
Russia	0	0	0	0	0	0	0	0.0%
Eastern Europe and Eurasia	13	12	12	13	14	16	18	1.2%
Asia Pacific	1,113	1,161	1,317	1,422	1,498	1,516	1,518	1.1%
Japan	192	189	130	113	107	101	96	-2.5%
South Korea	109	105	109	112	114	115	114	0.1%
Australia and New Zealand	0	0	0	0	0	0	0	0.0%
China	311	370	444	503	536	500	467	1.5%
India	258	261	347	339	383	445	450	2.0%
Other Asia Pacific	243	236	288	355	358	357	391	1.7%
Africa and Middle East	24	24	27	29	35	38	43	2.0%
Africa	15	15	18	20	26	28	34	3.0%
Middle East	10	9	9	9	9	9	9	-0.2%
World	1,338	1,363	1,487	1,590	1,660	1,673	1,691	0.8%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Im_230821.151939 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding. "--" means not applicable. Imports, exports, and net trade coal movements do not include coal trade between countries in the same IEO region. As a result, modeled trade might be lower than published historical coal trade when aggregating all imports or exports within an IEO region.

Table M8. World thermal coal imports by region, Low Economic Growth case

million short tons

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas	10	12	10	11	13	13	15	1.3%
United States	0	2	1	1	1	1	1	--
Canada	2	1	1	1	1	1	1	-2.6%
Mexico	1	1	1	1	3	3	3	5.3%
Brazil	8	8	8	8	9	9	10	1.0%
Other Americas	0	0	0	0	0	0	0	5.5%
Europe and Eurasia	117	99	69	68	60	53	64	-2.1%
Western Europe	114	98	68	66	59	52	63	-2.1%
Russia	0	0	0	0	0	0	0	0.0%
Eastern Europe and Eurasia	3	1	1	1	1	1	1	-3.5%
Asia Pacific	829	829	984	1,082	1,154	1,164	1,164	1.2%
Japan	151	150	97	84	83	81	79	-2.3%
South Korea	71	67	72	75	77	78	78	0.3%
Australia and New Zealand	0	0	0	0	0	0	0	0.0%
China	193	201	274	339	387	366	344	2.1%
India	192	197	278	254	278	314	305	1.7%
Other Asia Pacific	222	213	263	329	329	325	357	1.7%
Africa and Middle East	20	19	20	21	24	24	27	1.0%
Africa	13	12	14	14	17	17	20	1.6%
Middle East	7	7	7	7	7	7	7	-0.2%
World	976	959	1,084	1,182	1,251	1,255	1,269	0.9%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Im_230821.151939 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

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Table M9. World metallurgical coal imports by region, Low Economic Growth case

million short tons

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas	21	19	20	20	18	18	19	-0.4%
United States	6	4	4	4	2	2	2	-3.1%
Canada	3	3	3	3	3	3	3	-0.3%
Mexico	0	0	0	0	0	0	0	0.0%
Brazil	13	13	13	14	14	14	14	0.3%
Other Americas	0	0	0	0	0	0	0	0.0%
Europe and Eurasia	51	48	43	39	37	34	32	-1.6%
Western Europe	41	38	32	28	23	19	16	-3.4%
Russia	0	0	0	0	0	0	0	0.0%
Eastern Europe and Eurasia	10	11	11	12	13	15	17	2.0%
Asia Pacific	284	332	334	340	344	353	354	0.8%
Japan	41	39	33	28	24	20	16	-3.2%
South Korea	38	37	38	37	37	36	36	-0.2%
Australia and New Zealand	0	0	0	0	0	0	0	0.0%
China	118	170	170	163	149	133	123	0.2%
India	66	64	68	85	105	131	145	2.9%
Other Asia Pacific	22	23	24	27	29	32	34	1.7%
Africa and Middle East	4	5	7	8	11	13	16	4.7%
Africa	2	3	5	6	8	11	14	6.9%
Middle East	2	2	2	2	2	2	2	-0.2%
World	361	405	403	408	409	418	422	0.6%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Im_230821.151939 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

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Table M10. World coal exports by region, Low Economic Growth case

million short tons

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas	240	246	231	232	249	245	250	0.1%
United States	134	134	114	113	133	129	130	-0.1%
Canada	41	43	47	49	51	57	60	1.4%
Mexico	2	2	2	2	2	2	2	1.3%
Brazil	0	0	0	0	0	0	0	0.0%
Other Americas	64	67	67	68	63	57	58	-0.3%
Europe and Eurasia	163	137	165	181	191	188	204	0.8%
Western Europe	0	0	0	0	0	0	0	-0.1%
Russia	160	134	162	178	186	183	200	0.8%
Eastern Europe and Eurasia	3	3	3	3	5	5	4	1.0%
Asia Pacific	872	905	992	1,060	1,115	1,126	1,139	1.0%
Japan	0	0	0	0	0	0	0	0.0%
South Korea	0	0	0	0	0	0	0	0.0%
Australia and New Zealand	309	377	396	422	445	458	472	1.5%
China	0	0	0	0	0	0	0	0.0%
India	0	0	0	0	0	0	0	0.0%
Other Asia Pacific	563	527	596	638	670	667	667	0.6%
Africa and Middle East	62	76	99	117	105	114	99	1.6%
Africa	62	76	99	117	105	114	99	1.6%
Middle East	0	0	0	0	0	0	0	0.0%
World	1,338	1,363	1,487	1,590	1,660	1,673	1,691	0.8%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Im_230821.151939 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

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Table M11. World thermal coal exports by region, Low Economic Growth case

million short tons

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas	132	127	109	113	131	122	122	-0.3%
United States	67	55	33	35	56	52	52	-0.9%
Canada	5	8	12	14	15	16	16	4.2%
Mexico	0	0	0	0	0	0	0	6.3%
Brazil	0	0	0	0	0	0	0	0.0%
Other Americas	60	64	64	65	60	55	53	-0.4%
Europe and Eurasia	128	102	128	141	153	154	174	1.1%
Western Europe	0	0	0	0	0	0	0	-0.1%
Russia	128	102	128	141	151	150	170	1.0%
Eastern Europe and Eurasia	0	0	0	0	3	4	4	--
Asia Pacific	661	661	755	817	868	869	881	1.0%
Japan	0	0	0	0	0	0	0	0.0%
South Korea	0	0	0	0	0	0	0	0.0%
Australia and New Zealand	138	175	201	221	241	246	258	2.3%
China	0	0	0	0	0	0	0	0.0%
India	0	0	0	0	0	0	0	0.0%
Other Asia Pacific	523	486	554	595	627	624	623	0.6%
Africa and Middle East	56	69	92	110	99	109	93	1.9%
Africa	56	69	92	110	99	109	93	1.9%
Middle East	0	0	0	0	0	0	0	0.0%
World	976	959	1,084	1,182	1,251	1,255	1,269	0.9%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Im_230821.151939 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding. "--" means not applicable. Imports, exports, and net trade coal movements do not include coal trade between countries in the same IEO region. As a result, modeled trade might be lower than published historical coal trade when aggregating all imports or exports within an IEO region.

Table M12. World metallurgical coal exports by region, Low Economic Growth case

million short tons

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas	108	119	122	119	118	123	128	0.6%
United States	67	78	82	78	78	77	77	0.5%
Canada	36	36	36	36	36	41	44	0.8%
Mexico	2	2	2	2	2	2	2	1.3%
Brazil	0	0	0	0	0	0	0	0.0%
Other Americas	3	3	3	3	3	3	4	0.8%
Europe and Eurasia	36	36	37	39	38	34	30	-0.6%
Western Europe	0	0	0	0	0	0	0	0.0%
Russia	32	33	34	37	35	32	30	-0.3%
Eastern Europe and Eurasia	3	3	3	3	2	2	1	-5.6%
Asia Pacific	211	243	237	244	248	256	258	0.7%
Japan	0	0	0	0	0	0	0	0.0%
South Korea	0	0	0	0	0	0	0	0.0%
Australia and New Zealand	171	202	195	201	204	213	214	0.8%
China	0	0	0	0	0	0	0	0.0%
India	0	0	0	0	0	0	0	0.0%
Other Asia Pacific	40	41	42	43	43	44	44	0.4%
Africa and Middle East	7	7	7	6	6	5	6	-0.7%
Africa	7	7	7	6	6	5	6	-0.7%
Middle East	0	0	0	0	0	0	0	0.0%
World	361	405	403	408	409	418	422	0.6%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Im_230821.151939 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding. "--" means not applicable. Imports, exports, and net trade coal movements do not include coal trade between countries in the same IEO region. As a result, modeled trade might be lower than published historical coal trade when aggregating all imports or exports within an IEO region.

Table M13. World coal net trade by region, Low Economic Growth case

million short tons

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas	-208	-215	-201	-201	-218	-214	-217	--
United States	-128	-128	-110	-109	-131	-127	-127	--
Canada	-36	-39	-44	-46	-47	-54	-57	--
Mexico	-1	-1	-1	0	1	1	1	--
Brazil	20	21	21	22	22	22	24	0.6%
Other Americas	-64	-67	-67	-68	-63	-57	-57	--
Europe and Eurasia	5	10	-52	-74	-95	-100	-107	--
Western Europe	155	136	100	94	82	71	79	-2.4%
Russia	-160	-134	-162	-178	-186	-183	-200	--
Eastern Europe and Eurasia	10	9	9	10	10	11	14	1.3%
Asia Pacific	242	257	325	362	382	391	379	1.6%
Japan	192	189	130	113	107	101	96	-2.5%
South Korea	109	105	109	112	114	115	114	0.1%
Australia and New Zealand	-309	-377	-396	-422	-445	-458	-472	--
China	311	370	444	503	536	500	467	1.5%
India	258	261	347	339	383	445	450	2.0%
Other Asia Pacific	-319	-291	-308	-283	-312	-311	-276	--
Africa and Middle East	-38	-52	-72	-87	-70	-77	-56	--
Africa	-48	-61	-81	-97	-79	-86	-65	--
Middle East	10	9	9	9	9	9	9	-0.2%
World	0	0	0	0	0	0	0	--

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Im_230821.151939 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding. "--" means not applicable. Imports, exports, and net trade coal movements do not include coal trade between countries in the same IEO region. As a result, modeled trade might be lower than published historical coal trade when aggregating all imports or exports within an IEO region.

Table M14. World thermal coal net trade by region, Low Economic Growth case

million short tons

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas	-122	-115	-99	-102	-118	-109	-107	--
United States	-67	-54	-32	-34	-55	-52	-52	--
Canada	-3	-7	-11	-13	-14	-15	-15	--
Mexico	1	1	1	1	3	3	3	5.3%
Brazil	8	8	8	8	9	9	10	1.0%
Other Americas	-60	-64	-64	-65	-60	-54	-53	--
Europe and Eurasia	-11	-2	-58	-74	-94	-101	-109	--
Western Europe	114	98	68	66	59	52	63	-2.1%
Russia	-128	-102	-128	-141	-151	-150	-170	--
Eastern Europe and Eurasia	3	1	1	1	-2	-3	-2	--
Asia Pacific	168	168	229	266	287	294	283	1.9%
Japan	151	150	97	84	83	81	79	-2.3%
South Korea	71	67	72	75	77	78	78	0.3%
Australia and New Zealand	-138	-175	-201	-221	-241	-246	-258	--
China	193	201	274	339	387	366	344	2.1%
India	192	197	278	254	278	314	305	1.7%
Other Asia Pacific	-301	-273	-291	-267	-298	-299	-266	--
Africa and Middle East	-36	-50	-72	-90	-75	-84	-66	--
Africa	-43	-57	-79	-96	-82	-91	-73	--
Middle East	7	7	7	7	7	7	7	-0.2%
World	0	0	0	0	0	0	0	--

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Im_230821.151939 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding. "--" means not applicable. Imports, exports, and net trade coal movements do not include coal trade between countries in the same IEO region. As a result, modeled trade might be lower than published historical coal trade when aggregating all imports or exports within an IEO region.

Table M15. World metallurgical coal net trade by region, Low Economic Growth case

million short tons

Region	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas	-87	-100	-102	-99	-100	-104	-109	--
United States	-61	-75	-78	-75	-76	-75	-75	--
Canada	-33	-33	-33	-33	-33	-39	-41	--
Mexico	-2	-2	-2	-2	-2	-2	-2	--
Brazil	13	13	13	14	14	14	14	0.3%
Other Americas	-3	-3	-3	-3	-3	-3	-4	--
Europe and Eurasia	16	13	6	0	-1	0	2	-6.7%
Western Europe	41	38	32	28	23	19	16	-3.4%
Russia	-32	-33	-34	-37	-35	-32	-30	--
Eastern Europe and Eurasia	7	8	8	9	11	13	16	3.3%
Asia Pacific	73	89	97	97	96	96	97	1.0%
Japan	41	39	33	28	24	20	16	-3.2%
South Korea	38	37	38	37	37	36	36	-0.2%
Australia and New Zealand	-171	-202	-195	-201	-204	-213	-214	--
China	118	170	170	163	149	133	123	0.2%
India	66	64	68	85	105	131	145	2.9%
Other Asia Pacific	-18	-19	-18	-16	-14	-12	-10	--
Africa and Middle East	-2	-2	0	2	5	8	11	--
Africa	-5	-4	-2	0	2	6	8	--
Middle East	2	2	2	2	2	2	2	-0.2%
World	0	0	0	0	0	0	0	--

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Im_230821.151939 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding. "--" means not applicable. Imports, exports, and net trade coal movements do not include coal trade between countries in the same IEO region. As a result, modeled trade might be lower than published historical coal trade when aggregating all imports or exports within an IEO region.