Table K1. Industrial sector energy consumption by region and sector, High Oil Price case quadrillion British thermal units

2022	2025	2030	2035	2040	2045	2050	Average annual percentage change 2022–2050
							,
17.5	17.8	18.4	19.1	19.8	20.4	21.3	0.7%
2.9	2.9	3.1	3.2	3.4	3.6	3.8	1.0%
6.3	6.5	7.1	7.3	7.6	7.7	7.7	0.7%
-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	
26.6	27.1	28.5	29.5	30.6	31.6	32.7	0.7%
2.1	2.2	2.7	3.0	3.4	3.8	4.2	2.6%
1.5	1.5	1.7	1.8	1.9	2.1	2.2	1.4%
2.4	2.4	2.4	2.5	2.7	2.9	3.0	0.8%
6.0	6.2	6.7	7.4	8.0	8.7	9.4	1.6%
1.2	1.2	1.3	1.4	1.5	1.7	1.9	1.7%
1.2				1.7	1.7	1.8	1.3%
0.6	0.7	0.9	0.9	0.9	1.0	1.0	1.5%
3.1	3.2	3.6	3.9	4.1	4.4	4.6	1.5%
3.6	3.6	3.9	4.1	4.2	4.3	4.2	0.6%
1.7	1.8	2.0	2.2	2.4	2.5	2.6	1.6%
0.8			0.8	0.8		0.9	0.4%
6.1			7.1	7.5	7.7	7.8	0.9%
2.3	2.3	2.5	2.7	3.0	3.2	3.5	1.5%
							2.3%
1.2	1.2	1.3				1.7	1.2%
5.7	5.9	6.5	7.2	7.9	8.6	9.4	1.8%
16.2	15.9	16.1	16.5	17.3	18.1	18.9	0.6%
							0.0%
							0.0%
							0.3%
9.5	9.8	9.9	10.3	10.8	11.3	11.9	0.8%
							1.5%
							-0.7%
							0.8%
2.1	2.3	2.6	2.9	3.2	3.7	4.1	2.4%
							0.7%
							2.4%
							2.1%
4.6	4.6	4.3	4.1	3.9	3.8	3.6	-0.8%
							-0.8%
0.4							-0.9%
6.4	6.3	6.0	5.7	5.4	5.2	5.1	-0.8%
		- -					
	17.5 2.9 6.3 -0.1 26.6 2.1 1.5 2.4 6.0 1.2 1.2 0.6 3.1 3.6 1.7 0.8 6.1 2.3 2.2 1.2 5.7 16.2 7.1 2.9 26.3 9.5 3.7 2.5 15.6 2.1 0.8 0.8 3.6	17.5 17.8 2.9 2.9 6.3 6.5 -0.1 -0.1 26.6 27.1 2.1 2.2 1.5 1.5 2.4 2.4 6.0 6.2 1.2 1.2 1.3 0.6 0.7 3.1 3.2 3.6 3.6 1.7 1.8 0.8 0.8 6.1 6.2 2.3 2.3 2.2 2.4 1.2 1.2 1.2 1.2 5.7 5.9 16.2 15.9 7.1 7.0 2.9 2.9 26.3 25.8 9.5 9.8 3.7 3.9 2.5 1.9 15.6 15.7 2.1 2.3 0.8	17.5	17.5	17.5	17.5	17.5

Non-energy-intensive manufacturing	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.0%
Nonmanufacturing	0.2	0.2	0.2	0.2	0.2	0.2	0.2	-0.8%
Total	5.7	5.7	5.9	6.0	6.0	6.1	6.1	0.2%
Australia and New Zealand								
Energy-intensive manufacturing	1.1	1.2	1.2	1.3	1.3	1.4	1.4	0.8%
Non-energy-intensive manufacturing	0.5	0.5	0.6	0.6	0.6	0.7	0.7	1.0%
Nonmanufacturing	1.0	1.0	1.0	1.1	1.2	1.4	1.5	1.5%
Total	2.6	2.7	2.9	3.0	3.2	3.4	3.6	1.1%
China								
Energy-intensive manufacturing	56.5	57.6	55.9	53.7	50.9	48.6	46.0	-0.7%
Non-energy-intensive manufacturing	22.4	23.8	24.6	25.5	25.7	25.7	25.0	0.4%
Nonmanufacturing	5.8	5.8	5.7	5.7	5.7	5.8	5.8	0.0%
Total	84.8	87.2	86.2	84.9	82.3	80.0	76.7	-0.4%
India								
Energy-intensive manufacturing	8.6	9.2	11.8	14.6	17.7	21.1	24.7	3.8%
Non-energy-intensive manufacturing	8.2	8.8	11.5	14.5	17.3	20.1	22.8	3.7%
Nonmanufacturing	1.8	2.0	2.2	2.5	2.7	2.9	3.1	1.9%
Total	18.6	20.0	25.6	31.7	37.8	44.1	50.7	3.6%
Other Asia Pacific								
Energy-intensive manufacturing	7.2	7.8	8.8	9.7	10.4	11.4	12.2	1.9%
Non-energy-intensive manufacturing	8.6	9.4	11.0	12.7	14.2	15.5	16.5	2.4%
Nonmanufacturing	1.8	1.7	1.8	1.9	2.0	2.1	2.2	0.7%
Total	17.6	18.9	21.6	24.2	26.6	29.0	30.9	2.0%
Africa and Middle East								
Africa								
Energy-intensive manufacturing	3.2	3.4	3.8	4.3	4.9	5.5	6.3	2.5%
Non-energy-intensive manufacturing	5.7	6.3	7.5	8.8	10.3	11.7	13.1	3.0%
Nonmanufacturing	1.4	1.4	1.4	1.5	1.5	1.6	1.6	0.5%
Total	10.3	11.1	12.8	14.6	16.7	18.8	21.0	2.6%
Middle East								
Energy-intensive manufacturing	7.4	7.7	8.0	8.5	9.0	9.4	9.6	0.9%
Non-energy-intensive manufacturing	7.9	8.0	8.0	8.7	9.3	9.6	9.9	0.8%
Nonmanufacturing	2.7	3.1	3.1	3.1	3.2	3.8	4.5	1.9%
Total	18.0	18.7	19.1	20.3	21.5	22.8	24.1	1.0%
World								
Energy-intensive manufacturing	147.5	150.9	155.8	160.8	165.7	172.1	178.3	0.7%
Non-energy-intensive manufacturing	76.9	80.9	88.4	97.2	105.3	112.6	119.0	1.6%
Nonmanufacturing	32.6	32.8	33.9	35.0	36.4	38.2	39.9	0.7%
Unclassified	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	
Total	257.0	264.6	278.0	292.9	307.2	322.7	337.0	1.0%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run hp_230822.081357 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding. Nonmanufacturing includes agriculture, construction, and mining; energy-intensive manufacturing includes food, pulp and paper, basic chemicals, refining, iron and steel, nonferrous metals, and nonmetallic minerals; non-energy-intensive manufacturing includes all other manufacturing industries.

Table K2. Industrial sector gross output by region and sector, High Oil Price case

billion 2015 dollars

								percentage change
Region and sector	2022	2025	2030	2035	2040	2045	2050	2022–2050
Americas								
United States								
Energy-intensive manufacturing	\$2,388	\$2,461	\$2,779	\$2,962	\$3,178	\$3,434	\$3,721	1.6%
Non-energy-intensive manufacturing	\$3,493	\$3,876	\$4,560	\$5,084	\$5,726	\$6,446	\$7,283	2.7%
Nonmanufacturing	\$2,394	\$2,688	\$2,982	\$3,274	\$3,662	\$4,117	\$4,649	2.4%
Total	\$8,275	\$9,024	\$10,320	\$11,320	\$12,567	\$13,997	\$15,653	2.3%
Canada								
Energy-intensive manufacturing	\$256	\$267	\$312	\$347	\$382	\$419	\$456	2.1%
Non-energy-intensive manufacturing	\$332	\$360	\$418	\$463	\$508	\$553	\$601	2.1%
Nonmanufacturing	\$498	\$504	\$541	\$584	\$629	\$674	\$718	1.3%
Total	\$1,086	\$1,130	\$1,270	\$1,393	\$1,519	\$1,646	\$1,775	1.8%
Mexico								
Energy-intensive manufacturing	\$535	\$553	\$622	\$673	\$725	\$787	\$867	1.7%
Non-energy-intensive manufacturing	\$983	\$1,042	\$1,139	\$1,244	\$1,374	\$1,532	\$1,734	2.0%
Nonmanufacturing	\$466	\$494	\$538	\$577	\$611	\$644	\$674	1.3%
Total	\$1,983	\$2,089	\$2,299	\$2,494	\$2,710	\$2,963	\$3,276	1.8%
Brazil								
Energy-intensive manufacturing	\$868	\$897	\$977	\$1,040	\$1,068	\$1,083	\$1,089	0.8%
Non-energy-intensive manufacturing	\$612	\$659	\$746	\$825	\$879	\$923	\$962	1.6%
Nonmanufacturing	\$710	\$754	\$814	\$872	\$920	\$964	\$1,005	1.2%
Total	\$2,191	\$2,311	\$2,536	\$2,737	\$2,867	\$2,971	\$3,057	1.2%
Other Americas								
Energy-intensive manufacturing	\$899	\$947	\$1,082	\$1,207	\$1,339	\$1,481	\$1,632	2.2%
Non-energy-intensive manufacturing	\$937	\$935	\$1,078	\$1,207	\$1,337	\$1,473	\$1,627	2.0%
Nonmanufacturing	\$1,197	\$1,250	\$1,382	\$1,518	\$1,658	\$1,802	\$1,956	1.8%
Total	\$3,032	\$3,132	\$3,543	\$3,932	\$4,335	\$4,756	\$5,216	2.0%
Europe and Eurasia								
Western Europe								
Energy-intensive manufacturing	\$4,982	\$4,980	\$5,061	\$5,250	\$5,487	\$5,729	\$6,005	0.7%
Non-energy-intensive manufacturing	\$8,440	\$8,889	\$9,477	\$10,189	\$10,962	\$11,746	\$12,574	1.4%
Nonmanufacturing	\$4,377	\$4,488	\$4,800	\$5,056	\$5,311	\$5,531	\$5,758	1.0%
Total	\$17,799	\$18,357	\$19,338	\$20,494	\$21,760	\$23,006	\$24,337	1.1%
Russia								
Energy-intensive manufacturing	\$895	\$996	\$1,053	\$1,131	\$1,215	\$1,306	\$1,388	1.6%
Non-energy-intensive manufacturing	\$544	\$603	\$629	\$673	\$733	\$801	\$868	1.7%
Nonmanufacturing	\$1,282	\$1,269	\$1,322	\$1,340	\$1,352	\$1,367	\$1,380	0.3%
Total	\$2,721	\$2,868	\$3,004	\$3,144	\$3,299	\$3,474	\$3,636	1.0%
Eastern Europe and Eurasia								
Energy-intensive manufacturing	\$230	\$266	\$313	\$373	\$448	\$536	\$633	3.7%
Non-energy-intensive manufacturing	\$96	\$119	\$142	\$163	\$189	\$222	\$259	3.6%
Nonmanufacturing	\$750	\$839	\$1,044	\$1,206	\$1,383	\$1,551	\$1,718	3.0%
Total	\$1,076	\$1,225	\$1,498	\$1,742	\$2,020	\$2,309	\$2,610	3.2%
Asia Pacific								
Japan								
Energy-intensive manufacturing	\$941	\$951	\$926	\$895	\$876	\$856	\$841	-0.4%
Non-energy-intensive manufacturing	\$2,737	\$2,989	\$3,144	\$3,210	\$3,242	\$3,263	\$3,289	0.7%
Nonmanufacturing	\$670	\$673	\$694	\$693	\$690	\$685	\$682	0.1%
Total	\$4,349	\$4,613	\$4,763	\$4,798	\$4,808	\$4,804	\$4,812	0.4%
South Korea								
	4	44.000	4	4	4			
Energy-intensive manufacturing	\$1,067	\$1,096	\$1,124	\$1,135	\$1,119	\$1,097	\$1,068	0.0%

Nonmanufacturing	\$362	\$369	\$377	\$390	\$397	\$401	\$404	0.4%
Total	\$3,122	\$3,247	\$3,525	\$3,694	\$3,780	\$3,851	\$3,910	0.8%
Australia and New Zealand								
Energy-intensive manufacturing	\$173	\$186	\$202	\$216	\$231	\$245	\$259	1.5%
Non-energy-intensive manufacturing	\$130	\$135	\$146	\$157	\$167	\$176	\$183	1.2%
Nonmanufacturing	\$590	\$623	\$722	\$799	\$867	\$932	\$993	1.9%
Total	\$894	\$944	\$1,070	\$1,172	\$1,265	\$1,353	\$1,435	1.7%
China								
Energy-intensive manufacturing	\$10,799	\$12,119	\$13,495	\$14,519	\$15,163	\$15,708	\$15,937	1.4%
Non-energy-intensive manufacturing	\$25,771	\$29,693	\$35,243	\$40,168	\$43,608	\$46,390	\$47,654	2.2%
Nonmanufacturing	\$12,744	\$13,764	\$15,654	\$17,107	\$18,180	\$19,260	\$19,945	1.6%
Total	\$49,313	\$55,576	\$64,392	\$71,794	\$76,951	\$81,358	\$83,536	1.9%
India								
Energy-intensive manufacturing	\$3,724	\$4,228	\$5,917	\$7,948	\$10,108	\$12,498	\$15,010	5.1%
Non-energy-intensive manufacturing	\$3,007	\$3,355	\$4,703	\$6,275	\$7,976	\$9,839	\$11,825	5.0%
Nonmanufacturing	\$4,474	\$4,973	\$6,204	\$7,486	\$8,691	\$9,921	\$11,090	3.3%
Total	\$11,205	\$12,556	\$16,824	\$21,710	\$26,774	\$32,258	\$37,924	4.5%
Other Asia Pacific								
Energy-intensive manufacturing	\$4,475	\$4,958	\$6,038	\$7,286	\$8,731	\$10,315	\$11,995	3.6%
Non-energy-intensive manufacturing	\$8,764	\$9,564	\$11,592	\$13,575	\$15,619	\$17,604	\$19,479	2.9%
Nonmanufacturing	\$5,207	\$5,631	\$6,745	\$7,801	\$8,950	\$10,088	\$11,199	2.8%
Total	\$18,447	\$20,153	\$24,375	\$28,663	\$33,300	\$38,006	\$42,673	3.0%
Africa and Middle East								
Africa								
Energy-intensive manufacturing	\$1,364	\$1,494	\$1,747	\$2,045	\$2,366	\$2,709	\$3,080	3.0%
Non-energy-intensive manufacturing	\$885	\$978	\$1,142	\$1,321	\$1,509	\$1,704	\$1,901	2.8%
Nonmanufacturing	\$3,002	\$3,252	\$3,597	\$3,971	\$4,346	\$4,713	\$5,071	1.9%
Total	\$5,251	\$5,725	\$6,486	\$7,338	\$8,221	\$9,127	\$10,051	2.3%
Middle East								
Energy-intensive manufacturing	\$1,557	\$1,680	\$1,806	\$1,990	\$2,133	\$2,235	\$2,322	1.4%
Non-energy-intensive manufacturing	\$836	\$903	\$986	\$1,117	\$1,243	\$1,345	\$1,451	2.0%
Nonmanufacturing	\$2,580	\$2,878	\$3,037	\$3,230	\$3,402	\$3,564	\$3,694	1.3%
Total	\$4,973	\$5,462	\$5,829	\$6,338	\$6,778	\$7,144	\$7,466	1.5%
World								
Energy-intensive manufacturing	\$35,153	\$38,079	\$43,453	\$49,018	\$54,569	\$60,437	\$66,303	2.3%
Non-energy-intensive manufacturing	\$59,259	\$65,885	\$77,167	\$87,839	\$97,336	\$106,370	\$114,127	2.4%
Nonmanufacturing	\$41,304	\$44,449	\$50,452	\$55,904	\$61,049	\$66,214	\$70,936	2.0%
Total	\$135,716	\$148,412	\$171,072	\$192,762	\$212,953	\$233,021	\$251,366	2.2%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run hp_230822.081357 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo; Oxford Economics, Global Industry Model (March 2023), www.oxfordeconomics.com (subscription site)

Note: Totals may not equal sum of components due to independent rounding. Gross output is sales or revenue, including final and intermediate goods and services, measured in purchasing power parity. Nonmanufacturing includes agriculture, construction, and mining; energy-intensive manufacturing includes food, pulp and paper, basic chemicals, refining, iron and steel, nonferrous metals, and nonmetallic minerals; non-energy-intensive manufacturing includes all other manufacturing industries.

Table K3. Industrial sector energy intensity by region and sector, High Oil Price case

thousand British thermal units per 2015 dollar

Region and sector	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Americas								
United States								
Energy-intensive manufacturing	7.3	7.2	6.6	6.4	6.2	5.9	5.7	-0.9%
Non-energy-intensive manufacturing	0.8	0.7	0.7	0.6	0.6	0.6	0.5	-1.6%
Nonmanufacturing	2.6	2.4	2.4	2.2	2.1	1.9	1.7	-1.6%
Total	3.2	3.0	2.8	2.6	2.4	2.3	2.1	-1.5%
Canada								
Energy-intensive manufacturing	8.0	8.1	8.5	8.7	8.8	9.0	9.2	0.5%
Non-energy-intensive manufacturing	4.5	4.3	4.0	3.9	3.8	3.8	3.7	-0.7%
Nonmanufacturing	4.8	4.9	4.5	4.3	4.3	4.3	4.1	-0.5%
Total	5.5	5.5	5.3	5.3	5.3	5.3	5.3	-0.1%
Mexico								
Energy-intensive manufacturing	2.2	2.2	2.1	2.1	2.1	2.1	2.2	-0.1%
Non-energy-intensive manufacturing	1.3	1.2	1.2	1.2	1.2	1.1	1.0	-0.7%
Nonmanufacturing	1.4	1.5	1.7	1.6	1.5	1.5	1.4	0.1%
Total	1.5	1.5	1.6	1.6	1.5	1.5	1.4	-0.3%
Brazil	2.3	113	1.0	1.0	1.0	1.5	2.7	
Energy-intensive manufacturing	4.1	4.0	3.9	3.9	3.9	3.9	3.9	-0.2%
Non-energy-intensive manufacturing	2.8	2.7	2.7	2.7	2.8	2.8	2.7	-0.1%
Nonmanufacturing	1.1	1.1	1.0	0.9	0.9	0.9	0.9	-0.8%
Total	2.8	2.7	2.6	2.6	2.6	2.6	2.5	-0.3%
Other Americas	2.0	2.7	2.0	2.0	2.0	2.0	2.5	0.07.0
Energy-intensive manufacturing	2.5	2.5	2.3	2.3	2.2	2.2	2.1	-0.6%
Non-energy-intensive manufacturing	2.4	2.5	2.5	2.6	2.6	2.6	2.6	0.3%
Nonmanufacturing	1.0	1.0	0.9	0.9	0.9	0.9	0.9	-0.6%
Total	1.9	1.9	1.8	1.8	1.8	1.8	1.8	-0.2%
Europe and Eurasia	1.5	1.3	1.0	1.0	1.0	1.0	1.0	-0.270
Western Europe								
·	3.3	3.2	3.2	3.2	3.1	3.2	3.2	-0.1%
Energy-intensive manufacturing	0.8	0.8	0.7	0.7	0.6	0.6	0.6	-1.5%
Non-energy-intensive manufacturing Nonmanufacturing	0.8	0.6	0.6	0.7	0.5	0.5	0.5	-1.0%
Total	1.5	1.4	1.3	1.3	1.2	1.2	1.2	-0.8%
Russia	1.5	1.4	1.3	1.3	1.2	1,2	1.2	-0.076
	10.6	0.0	0.4	0.1	0.0	0.7	0.0	-0.8%
Energy-intensive manufacturing	10.6	9.9	9.4	9.1	8.9	8.7	8.6	-0.8%
Non-energy-intensive manufacturing	6.8	6.5	6.5	6.4	6.4	6.5	6.6	-1.0%
Nonmanufacturing	1.9	1.5	1.5	1.5	1.5	1.5	1.5	-1.0%
Total	5.7	5.5	5.3	5.3	5.3	5.3	5.4	-0.2/6
Eastern Europe and Eurasia	0.1	0.0	0.4		7.0	6.0	6.5	-1.2%
Energy-intensive manufacturing	9.1	8.8	8.4	7.7	7.2	6.8	6.5	
Non-energy-intensive manufacturing	7.8	6.3	5.1	4.4	4.0	3.7	3.5	-2.8%
Nonmanufacturing	1.0	1.0	1.0	0.9	0.9	0.9	0.9	-0.6%
Total	3.4	3.2	2.9	2.7	2.6	2.5	2.5	-1.0%
Asia Pacific								
Japan								
Energy-intensive manufacturing	4.9	4.8	4.7	4.6	4.5	4.4	4.3	-0.4%
Non-energy-intensive manufacturing	0.5	0.5	0.4	0.4	0.4	0.4	0.4	-1.5%
Nonmanufacturing	0.5	0.5	0.4	0.4	0.4	0.4	0.4	-1.0%
Total	1.5	1.4	1.3	1.2	1.1	1.1	1.1	-1.2%
South Korea								
Energy-intensive manufacturing	4.2	4.0	4.0	4.0	4.1	4.1	4.2	0.0%
Non-energy-intensive manufacturing	0.7	0.6	0.6	0.6	0.6	0.6	0.6	-0.3%

Nonmanufacturing	0.5	0.5	0.4	0.4	0.4	0.4	0.4	-1.2%
Total	1.8	1.8	1.7	1.6	1.6	1.6	1.6	-0.6%
Australia and New Zealand								
Energy-intensive manufacturing	6.6	6.4	6.2	5.9	5.7	5.6	5.4	-0.7%
Non-energy-intensive manufacturing	3.9	4.0	3.9	3.9	3.8	3.8	3.7	-0.2%
Nonmanufacturing	1.7	1.5	1.4	1.4	1.4	1.4	1.5	-0.4%
Total	2.9	2.8	2.7	2.6	2.5	2.5	2.5	-0.6%
China								
Energy-intensive manufacturing	5.2	4.8	4.1	3.7	3.4	3.1	2.9	-2.1%
Non-energy-intensive manufacturing	0.9	0.8	0.7	0.6	0.6	0.6	0.5	-1.8%
Nonmanufacturing	0.5	0.4	0.4	0.3	0.3	0.3	0.3	-1.6%
Total	1.7	1.6	1.3	1.2	1.1	1.0	0.9	-2.2%
India								
Energy-intensive manufacturing	2.3	2.2	2.0	1.8	1.7	1.7	1.6	-1.2%
Non-energy-intensive manufacturing	2.7	2.6	2.5	2.3	2.2	2.0	1.9	-1.2%
Nonmanufacturing	0.4	0.4	0.4	0.3	0.3	0.3	0.3	-1.3%
Total	1.7	1.6	1.5	1.5	1.4	1.4	1.3	-0.8%
Other Asia Pacific								
Energy-intensive manufacturing	1.6	1.6	1.5	1.3	1.2	1.1	1.0	-1.6%
Non-energy-intensive manufacturing	1.0	1.0	1.0	0.9	0.9	0.9	0.8	-0.5%
Nonmanufacturing	0.3	0.3	0.3	0.2	0.2	0.2	0.2	-2.0%
Total	1.0	0.9	0.9	0.8	0.8	0.8	0.7	-1.0%
Africa and Middle East								
Africa								
Energy-intensive manufacturing	2.3	2.3	2.2	2.1	2.1	2.0	2.1	-0.5%
Non-energy-intensive manufacturing	6.4	6.4	6.6	6.7	6.8	6.9	6.9	0.3%
Nonmanufacturing	0.5	0.4	0.4	0.4	0.4	0.3	0.3	-1.4%
Total	2.0	1.9	2.0	2.0	2.0	2.1	2.1	0.2%
Middle East								
Energy-intensive manufacturing	4.8	4.6	4.5	4.3	4.2	4.2	4.2	-0.5%
Non-energy-intensive manufacturing	9.5	8.8	8.1	7.8	7.5	7.2	6.8	-1.2%
Nonmanufacturing	1.0	1.1	1.0	1.0	0.9	1.1	1.2	0.6%
Total	3.6	3.4	3.3	3.2	3.2	3.2	3.2	-0.4%
World								
Energy-intensive manufacturing	4.2	4.0	3.6	3.3	3.0	2.8	2.7	-1.6%
Non-energy-intensive manufacturing	1.3	1.2	1.1	1.1	1.1	1.1	1.0	-0.8%
Nonmanufacturing	0.8	0.7	0.7	0.6	0.6	0.6	0.6	-1.2%
Total	1.9	1.8	1.6	1.5	1.4	1.4	1.3	-1.2%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run hp_230822.081357 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding. Nonmanufacturing includes agriculture, construction, and mining; energy-intensive manufacturing includes food, pulp and paper, basic chemicals, refining, iron and steel, nonferrous metals, and nonmetallic minerals; non-energy-intensive manufacturing includes all other manufacturing industries.