

Energy-Related Products

Table EP.1 Energy-related products: U.S. general imports by selected trading partners, 2018–22

Value in millions of dollars; share of total imports in percentages.

Import source	2018	2019	2020	2021	2022
Canada (million \$)	85,855	86,475	59,390	104,944	158,433
Mexico (million \$)	15,631	13,213	9,973	16,009	26,167
Saudi Arabia (million \$)	22,547	12,037	7,577	11,292	20,781
Iraq (million \$)	11,870	6,997	3,088	3,778	10,036
Colombia (million \$)	8,267	8,619	4,579	5,423	9,506
Brazil (million \$)	5,138	5,216	2,634	4,614	7,436
Russia (million \$)	11,015	13,844	9,531	18,183	6,007
Ecuador (million \$)	4,174	4,299	2,863	4,188	5,971
All other sources (million \$)	72,090	53,917	26,194	51,874	72,196
Total (million \$)	236,587	204,616	125,829	220,305	316,532
Canada (%)	36.3	42.3	47.2	47.6	50.1
Mexico (%)	6.6	6.5	7.9	7.3	8.3
Saudi Arabia (%)	9.5	5.9	6.0	5.1	6.6
Iraq (%)	5.0	3.4	2.5	1.7	3.2
Colombia (%)	3.5	4.2	3.6	2.5	3.0
Brazil (%)	2.2	2.5	2.1	2.1	2.3
Russia (%)	4.7	6.8	7.6	8.3	1.9
Ecuador (%)	1.8	2.1	2.3	1.9	1.9
All other sources (%)	30.5	26.4	20.8	23.5	22.8
Total (%)	100.0	100.0	100.0	100.0	100.0

Source: USITC DataWeb/Census, accessed February 16, 2023.

Notes: Import values are based on U.S. customs value; export values are based on free alongside ship value, U.S. port of export. Calculations are based on unrounded data.

Shifts in U.S. Merchandise Trade, 2022

Table EP.2 Energy-related products: U.S. domestic exports by selected trading partners and re-exports, 2018–22

Value in millions of dollars; share of total in percentages.

Destination market	2018	2019	2020	2021	2022
Mexico (million \$)	35,440	35,035	23,707	42,932	57,248
Canada (million \$)	27,100	25,336	16,978	23,201	35,239
Netherlands (million \$)	8,814	10,978	7,922	11,836	24,212
United Kingdom (million \$)	6,836	7,642	6,033	8,425	20,682
South Korea (million \$)	10,030	13,217	8,724	16,218	19,953
Brazil (million \$)	9,608	11,736	8,896	13,723	16,682
India (million \$)	6,883	8,842	7,375	13,541	15,851
All other destination markets (million \$)	92,257	91,321	75,604	113,632	193,067
Re-exports (million \$)	1,512	1,736	1,512	4,599	5,125
U.S. total exports (million \$)	198,481	205,842	156,752	248,107	388,060
Mexico (%)	17.9	17.0	15.1	17.3	14.8
Canada (%)	13.7	12.3	10.8	9.4	9.1
Netherlands (%)	4.4	5.3	5.1	4.8	6.2
United Kingdom (%)	3.4	3.7	3.8	3.4	5.3
South Korea (%)	5.1	6.4	5.6	6.5	5.1
Brazil (%)	4.8	5.7	5.7	5.5	4.3
India (%)	3.5	4.3	4.7	5.5	4.1
All other destination markets (%)	46.5	44.4	48.2	45.8	49.8
Re-exports (%)	0.8	0.8	1.0	1.9	1.3
U.S. total exports (%)	100.0	100.0	100.0	100.0	100.0

Source: USITC DataWeb/Census, accessed February 16, 2023.

Note: Import values are based on customs value; export values are based on free alongside ship value, U.S. port of export. Calculations are based on unrounded data.

Table EP.3 Energy-related products: Rank of top U.S. general import source, 2018–22

Import source	2018	2019	2020	2021	2022
Canada	1	1	1	1	1
Mexico	3	3	2	3	2
Saudi Arabia	2	4	4	4	3
Iraq	5	6	6	10	4
Colombia	7	5	5	5	5
Brazil	9	7	8	7	6
Russia	6	2	3	2	7
Ecuador	12	9	7	8	8
South Korea	13	10	9	9	9
United Kingdom	10	11	12	11	10
Netherlands	16	12	10	6	11

Source: USITC DataWeb/Census, accessed February 16, 2023.

Note: Import values are based on U.S. customs value; export values are based on free alongside ship value, U.S. port of export.

Table EP.4 Energy-related products: Rank of top U.S. domestic export market, 2018–22

Destination market	2018	2019	2020	2021	2022
Mexico	1	1	1	1	1
Canada	2	2	2	2	2
Netherlands	6	5	6	7	3
United Kingdom	9	8	9	9	4
South Korea	3	3	5	4	5
India	8	7	7	5	6
Brazil	4	4	4	6	7
France	17	12	12	13	8
China	7	11	3	3	9
Japan	5	6	8	8	10
Singapore	11	18	15	11	11

Source: USITC DataWeb/Census, accessed February 16, 2023.

Note: Import values are based on U.S. customs value; export values are based on free alongside ship value, U.S. port of export.

Table EP.5 Energy-related products: U.S. domestic exports by select trading partners and re-exports, 2018–22

In millions of dollars.

Destination market	2018	2019	2020	2021	2022
Mexico	35,440	35,035	23,707	42,932	57,248
Canada	27,100	25,336	16,978	23,201	35,239
Netherlands	8,814	10,978	7,922	11,836	24,212
United Kingdom	6,836	7,642	6,033	8,425	20,682
South Korea	10,030	13,217	8,724	16,218	19,953
Brazil	9,608	11,736	8,896	13,723	16,682
India	6,883	8,842	7,375	13,541	15,851
France	3,072	4,162	3,192	4,655	15,159
China	8,787	3,728	10,145	15,689	13,910
Japan	9,418	9,659	7,310	11,769	13,674
Singapore	4,534	3,131	2,801	5,404	12,422
Spain	1,916	3,524	2,854	4,623	11,611
Chile	5,081	5,304	3,884	5,852	11,420
Italy	3,372	3,464	2,912	3,329	7,299
Panama	2,545	3,690	2,771	3,792	7,238
All other destination markets	53,533	54,660	39,734	58,519	100,335
U.S. domestic exports to all destination markets	196,969	204,106	155,240	243,508	382,935
Re-exports	1,512	1,736	1,512	4,599	5,125
U.S. total exports	198,481	205,842	156,752	248,107	388,060

Source: USITC DataWeb/Census, accessed February 16, 2023.

Notes: Export values are based on free alongside ship value, U.S. port of export. Calculations are based on unrounded data.

Shifts in U.S. Merchandise Trade, 2022

Table EP.6 Energy-related products: Dollar changes in U.S. domestic exports by select trading partners and re-exports, 2018–22

In millions of dollars.

Destination market	2018–19	2019–20	2020–21	2021–22	2018–22
Mexico	-404	-11,328	19,225	14,316	21,809
Canada	-1,764	-8,358	6,223	12,038	8,139
Netherlands	2,164	-3,056	3,914	12,375	15,398
United Kingdom	805	-1,608	2,392	12,257	13,846
South Korea	3,187	-4,493	7,494	3,735	9,923
Brazil	2,127	-2,839	4,826	2,959	7,073
India	1,958	-1,467	6,166	2,310	8,968
France	1,089	-970	1,463	10,504	12,087
China	-5,059	6,417	5,543	-1,779	5,123
Japan	242	-2,349	4,459	1,905	4,256
Singapore	-1,403	-329	2,602	7,018	7,888
Spain	1,608	-670	1,769	6,988	9,695
Chile	223	-1,420	1,968	5,567	6,338
Italy	92	-552	417	3,970	3,927
Panama	1,145	-918	1,021	3,445	4,693
All other destination markets	1,128	-14,926	18,785	41,816	46,803
U.S. domestic exports to all destination markets	7,138	-48,866	88,268	139,426	185,966
Re-exports	224	-223	3,086	526	3,613
U.S. total exports	7,361	-49,090	91,355	139,952	189,578

Source: USITC DataWeb/Census, accessed February 16, 2023.

Notes: Export values are based on free alongside ship value, U.S. port of export. Calculations are based on unrounded data.

Table EP.7 Energy-related products: Percentage changes in U.S. domestic exports by select trading partners and re-exports, 2018–22

In percentages.

Destination market	2018–19	2019–20	2020–21	2021–22	2018–22
Mexico	-1.1	-32.3	81.1	33.3	61.5
Canada	-6.5	-33.0	36.7	51.9	30.0
Netherlands	24.6	-27.8	49.4	104.6	174.7
United Kingdom	11.8	-21.0	39.6	145.5	202.5
South Korea	31.8	-34.0	85.9	23.0	98.9
Brazil	22.1	-24.2	54.3	21.6	73.6
India	28.4	-16.6	83.6	17.1	130.3
France	35.5	-23.3	45.8	225.6	393.4
China	-57.6	172.1	54.6	-11.3	58.3
Japan	2.6	-24.3	61.0	16.2	45.2
Singapore	-31.0	-10.5	92.9	129.9	174.0
Spain	83.9	-19.0	62.0	151.2	506.1
Chile	4.4	-26.8	50.7	95.1	124.7
Italy	2.7	-15.9	14.3	119.3	116.5
Panama	45.0	-24.9	36.8	90.9	184.4
All other destination markets	2.1	-27.3	47.3	71.5	87.4
U.S. domestic exports to all destination markets	3.6	-23.9	56.9	57.3	94.4
Re-exports	14.8	-12.9	204.1	11.4	238.9
U.S. total exports	3.7	-23.8	58.3	56.4	95.5

Source: USITC DataWeb/Census, accessed February 16, 2023.

Notes: Export values are based on free alongside ship value, U.S. port of export. Calculations are based on unrounded data.

Table EP.8 Energy-related products: Top 10 U.S. domestic export markets, 2018–22

Rank	2018	2019	2020	2021	2022
1	Mexico	Mexico	Mexico	Mexico	Mexico
2	Canada	Canada	Canada	Canada	Canada
3	South Korea	South Korea	China	South Korea	Netherlands
4	Brazil	Brazil	Brazil	China	United Kingdom
5	Japan	Netherlands	South Korea	Brazil	South Korea
6	Netherlands	Japan	Netherlands	India	Brazil
7	China	India	India	Netherlands	India
8	India	United Kingdom	Japan	Japan	France
9	United Kingdom	Chile	United Kingdom	United Kingdom	China
10	Chile	Taiwan	Chile	Chile	Japan

Source: USITC DataWeb/Census, accessed February 16, 2023.

Shifts in U.S. Merchandise Trade, 2022

Table EP.9 Energy-related products: Changes in rank of the top 10 U.S. domestic export markets, 2018–22

Each numeral = the number of positions gained or lost in rank.

Destination market	2018–19	2019–20	2020–21	2021–22	2018–22
Mexico	0	0	0	0	0
Canada	0	0	0	0	0
Netherlands	1	-1	-1	4	3
United Kingdom	1	-1	0	5	5
South Korea	0	-2	2	-2	-2
Brazil	0	0	-1	-1	-2
India	1	0	1	-1	1
France	6	-1	-1	5	9
China	-5	9	-1	-5	-2
Japan	-1	-2	0	-2	-5

Source: USITC DataWeb/Census, accessed February 16, 2023.

Table EP.10 Energy-related products: Leading changes in U.S. domestic exports, 2018–22

In millions of dollars and percentages.

Product group (digest)	2018 (million \$)	2019 (million \$)	2020 (million \$)	2021 (million \$)	2022 (million \$)	Absolute	Percentage
						change, 2021–22 (million \$)	change 2021–22 (%)
Petroleum products	104,359	95,212	63,524	92,986	147,479	54,493	58.6
Crude petroleum	47,757	63,661	49,042	66,582	113,605	47,023	70.6
Natural gas and components	30,124	33,073	34,761	70,946	100,544	29,599	41.7
Coal, coke, and related chemical products	13,819	11,187	7,031	11,788	19,969	8,181	69.4
Electrical energy	393	436	182	505	703	199	39.3
Nuclear materials	517	538	700	702	634	-68	-9.7
Total	196,969	204,106	155,240	243,508	382,935	139,426	57.3

Source: USITC DataWeb/Census, accessed February 16, 2023.

Notes: Export values are based on free along ship value, U.S. port of export. Calculations are based on unrounded data. Industry sectors are further divided into digests. Each USITC sector digest encompasses various 8-digit subheadings in the Harmonized Tariff Schedule of the United States (HTS). The USITC maintains and publishes the HTS, which sets out the tariff rates and statistical categories for all merchandise imported into the United States. The U.S. Census Bureau (Census) collects and compiles export statistics of approximately 8,000 commodity classifications (10-digit classification codes) in Schedule B: Statistical Classification of Domestic and Foreign Commodities Exported from the United States. Schedule B classification codes are concorded to HTS 10-digit statistical reporting numbers according to USITC estimates; therefore, the classification codes for exports are presented using HTS 8-digit subheadings for imports.

Table EP.11 Energy-related products: U.S. general imports by select trading partners, 2018–22

In millions of dollars.

Import source	2018	2019	2020	2021	2022
Canada	85,855	86,475	59,390	104,944	158,433
Mexico	15,631	13,213	9,973	16,009	26,167
Saudi Arabia	22,547	12,037	7,577	11,292	20,781
Iraq	11,870	6,997	3,088	3,778	10,036
Colombia	8,267	8,619	4,579	5,423	9,506
Brazil	5,138	5,216	2,634	4,614	7,436
Russia	11,015	13,844	9,531	18,183	6,007
Ecuador	4,174	4,299	2,863	4,188	5,971
South Korea	3,200	4,263	2,420	3,907	5,526
United Kingdom	4,572	4,197	1,737	3,654	5,483
Netherlands	2,693	3,773	2,110	4,982	5,082
Nigeria	5,429	4,422	1,339	3,203	4,318
India	3,187	3,685	1,864	3,166	3,860
Guyana	0	0	590	2,079	2,620
Italy	1,259	1,392	771	1,668	2,532
All other sources	51,750	32,183	15,363	29,215	42,775
Total	236,587	204,616	125,829	220,305	316,532

Source: USITC DataWeb/Census, accessed February 16, 2023.

Notes: Import values are based on customs value. Calculations are based on unrounded data.

Table EP.12 Energy-related products: Dollar changes in U.S. general imports by select trading partners, 2018–22

In millions of dollars.

Import source	2018–19	2019–20	2020–21	2021–22	2018–22
Canada	620	-27,084	45,554	53,489	72,579
Mexico	-2,418	-3,240	6,037	10,158	10,536
Saudi Arabia	-10,511	-4,459	3,715	9,488	-1,767
Iraq	-4,873	-3,909	690	6,258	-1,834
Colombia	352	-4,040	845	4,083	1,239
Brazil	78	-2,581	1,980	2,822	2,298
Russia	2,829	-4,313	8,652	-12,176	-5,008
Ecuador	125	-1,436	1,324	1,783	1,797
South Korea	1,064	-1,843	1,487	1,619	2,326
United Kingdom	-375	-2,461	1,918	1,828	910
Netherlands	1,080	-1,663	2,872	100	2,389
Nigeria	-1,006	-3,084	1,864	1,115	-1,110
India	498	-1,822	1,303	694	673
Guyana	0	590	1,489	541	2,620
Italy	133	-621	896	865	1,273
All other sources	-19,566	-16,820	13,852	13,561	-8,974
Total	-31,971	-78,787	94,476	96,227	79,945

Source: USITC DataWeb/Census, accessed February 16, 2023.

Notes: Import values are based on customs value. Calculations are based on unrounded data.

Table EP.13 Energy-related products: Percentage changes in U.S. general imports by select trading partners, 2018–22

In percentages.

Import source	2018–19	2019–20	2020–21	2021–22	2018–22
Canada	0.7	-31.3	76.7	51.0	84.5
Mexico	-15.5	-24.5	60.5	63.4	67.4
Saudi Arabia	-46.6	-37.0	49.0	84.0	-7.8
Iraq	-41.1	-55.9	22.3	165.7	-15.5
Colombia	4.3	-46.9	18.4	75.3	15.0
Brazil	1.5	-49.5	75.2	61.2	44.7
Russia	25.7	-31.2	90.8	-67.0	-45.5
Ecuador	3.0	-33.4	46.2	42.6	43.0
South Korea	33.2	-43.2	61.4	41.4	72.7
United Kingdom	-8.2	-58.6	110.4	50.0	19.9
Netherlands	40.1	-44.1	136.1	2.0	88.7
Nigeria	-18.5	-69.7	139.3	34.8	-20.5
India	15.6	-49.4	69.9	21.9	21.1
Guyana	37.8	2,676,545.7	252.3	26.0	16,379,186.5
Italy	0.0	-44.6	116.2	51.9	0.0
All other sources	-37.8	-52.3	90.2	46.4	-17.3
Total	-13.5	-38.5	75.1	43.7	33.8

Source: USITC DataWeb/Census, accessed February 16, 2023.

Notes: Import values are based on customs value. Calculations are based on unrounded data.

Table EP.14 Energy-related products: Top 10 U.S. general import sources, 2018–22

Rank	2018	2019	2020	2021	2022
1	Canada	Canada	Canada	Canada	Canada
2	Saudi Arabia	Russia	Mexico	Russia	Mexico
3	Mexico	Mexico	Russia	Mexico	Saudi Arabia
4	Venezuela	Saudi Arabia	Saudi Arabia	Saudi Arabia	Iraq
5	Iraq	Colombia	Colombia	Colombia	Colombia
6	Russia	Iraq	Iraq	Netherlands	Brazil
7	Colombia	Brazil	Ecuador	Brazil	Russia
8	Nigeria	Nigeria	Brazil	Ecuador	Ecuador
9	Brazil	Ecuador	South Korea	South Korea	South Korea
10	United Kingdom	South Korea	Netherlands	Iraq	United Kingdom

Source: USITC DataWeb/Census, accessed February 16, 2023.

Table EP.15 Energy-related products: Changes in rank of the top 10 U.S. general import sources in 2022, 2018–22

Each numeral = the number of positions gained or lost in rank.

Import source	2018–19	2019–20	2020–21	2021–22	2018–22
Canada	0	0	0	0	0
Mexico	0	1	-1	1	1
Saudi Arabia	-2	0	0	1	-1
Iraq	-1	0	-4	6	1
Colombia	2	0	0	0	2
Brazil	2	-1	1	1	3
Russia	4	-1	1	-5	-1
Ecuador	3	2	-1	0	4
South Korea	3	1	0	0	4
United Kingdom	-1	-1	1	1	0

Source: USITC DataWeb/Census, accessed February 16, 2023.

Table EP.16 Energy-related products: Leading changes in U.S. general imports, 2018–22

In millions of dollars and percentages.

Product group (digest)	2018 (million \$)	2019 (million \$)	2020 (million \$)	2021 (million \$)	2022 (million \$)	Absolute	Percentage
						change, 2021–22 (million \$)	change 2021–22 (%)
Crude petroleum	157,059	126,798	76,680	133,141	198,385	65,245	49.0
Petroleum products	62,686	62,479	36,733	65,711	85,108	19,397	29.5
Natural gas and components	10,372	9,212	6,868	13,932	22,010	8,078	58.0
Electrical energy	2,252	1,895	1,919	2,637	4,244	1,607	61.0
Coal, coke, and related chemical products	1,394	1,359	1,152	1,657	2,620	963	58.1
Nuclear materials	2,824	2,873	2,477	3,227	4,164	936	29.0
Total	236,587	204,616	125,829	220,305	316,532	96,227	43.7

Source: USITC DataWeb/Census, accessed February 16, 2023.

Notes: Import values are based on U.S. customs value. Calculations are based on unrounded data. Industry sectors are further divided into digests. Each USITC sector digest encompasses various 8-digit subheadings in the Harmonized Tariff Schedule of the United States (HTS). The USITC maintains and publishes the HTS, which sets out the tariff rates and statistical categories for all merchandise imported into the United States. The U.S. Census Bureau (Census) collects and compiles export statistics of approximately 8,000 commodity classifications (10-digit classification codes) in Schedule B: Statistical Classification of Domestic and Foreign Commodities Exported from the United States. Schedule B classification codes are concorded to HTS 10-digit statistical reporting numbers according to USITC estimates; therefore, the classification codes for exports are presented using HTS 8-digit subheadings for imports.