

Mineral Industry Surveys

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SULFUR IN MARCH 2025

During March 2025, production of recovered elemental sulfur was 636,000 metric tons (t), which was 11% more than the revised amount in February 2025 and 3% less than that in March 2024. Total production for January through March was 1.86 million metric tons (Mt), which was 4% more than that in the same period of 2024. Shipments in March 2025 were 623,000 t, which was 9% more than the amount in February 2025 and 4% less than that in March 2024. Total shipments for January through March were 1.85 Mt, which were 3% more than those in the same period of 2024. Producers' ending stocks for March 2025 were 123,000 t (table 1).

Imports of recovered sulfur for March 2025 were estimated to be 79,000 t; exports were 113,000 t. Total imports of recovered sulfur for January through March were estimated to be 391,000 t, which were 16% more than those in the same period of 2024. Total exports of recovered sulfur for January through March were 389,000 t, which were 20% less than those in the same period of 2024 (tables 2, 4).

Imports of sulfuric acid in March 2025 were 268,000 t; exports were 11,000 t. Total imports in January through March

were 783,000 t, which were 10% less than those in the same period of 2024. Total exports of sulfuric acid in January through March were 46,000 t, which were 23% more than the amount in the same period of 2024 (tables 3, 4).

U.S. sulfur consumption, calculated as shipments minus exports plus imports, was estimated to be 589,000 t in March 2025. This was 9% more than the amount in February 2025 and 11% less than that in March 2024. Total consumption for January through March was estimated to be 1.85 Mt, which was 12% more than the revised amount in the same period of 2024 (table 5).

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Table 1. Salient sulfur statistics.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in thousand metric tons. Revised data are marked with a superscript "r".]

Period	Production			Shipments, all sources	Stocks, end of period ¹
	Petroleum ²	Natural gas	Total		
2024					
January–December	7,370	421	7,790	7,800	114
January–March	1,670 ^r	115 ^r	1,790 ^r	1,790 ^r	116
March	617	38	655	649	116
April	617	27	644	651	110
May	652	29	680	684	106
June	636	38	674	658	121
July	643	35	678	687	111
August	650	28	678	678	110
September	630	36	666	667	109
October	607	39	646	646	109
November	607	37	644	642	111
December	657	38	695	692	114
2025					
January	613 ^r	35	648 ^r	652 ^r	109
February	542	33	574 ^r	573	110 ^r
March	601	35	636	623	123
January–March	1,760	102	1,860	1,850	123

¹Subject to inventory adjustments.

²Includes a small quantity from coking operations.

Table 2. U.S. imports of sulfur.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in thousand metric tons and thousand dollars. Revised data are marked with a superscript "r". Source: U.S. Census Bureau as adjusted by U.S. Geological Survey and Acuity Commodities (<https://usatrade.census.gov/>).]

Period	Canada		Total, all countries ¹	
	Quantity	Value ²	Quantity	Value ²
2024				
January–December	1,280 ^r	95,500	1,340 ^r	113,000
January–March	335 ^r	23,700	339 ^r	27,600
March	108	8,990	109	10,600
April	108	6,150	109	7,110
May	99	6,470	99	7,340
June	88	6,230	142	11,800
July	95	6,140	96	7,470
August	104	6,890	105	7,850
September	90	12,400	91	13,700
October	117	7,830	118	9,030
November	117	9,590	118	10,200
December	124	10,100	125	10,900
2025				
January	90	9,700	144	18,800
February	113	17,100	168	27,400
March	76	8,490	79	10,600
January–March	279	35,300	391	56,800

¹May include other countries not listed.

²Declared customs valuation.

Table 3. U.S. imports of sulfuric acid.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in thousand metric tons and thousand dollars. Revised data are marked with a superscript "r". Source: U.S. Census Bureau (<https://usatrade.census.gov/>).]

Period	Canada			Mexico			Total, all countries ¹		
	Quantity	Sulfur content	Value ²	Quantity	Sulfur content	Value ²	Quantity	Sulfur content	Value ²
2024									
January–December	1,750	572	189,000	807	264	96,100	3,510	1,150	384,000
January–March	501	164	64,400	181	59	21,700	867	284	103,000
March	178	58	23,200	66	22	7,960	343	112	39,500 ^r
April	153	50	14,300	59	19	7,200	315	103	30,700
May	141	46	13,500	68	22	9,000	339	111	31,000
June	136	44	13,200	62	20	8,000	263	86	29,600
July	152	50	14,300	81	26	8,930	336	110	32,900
August	138	45	13,400	94	31	11,200	294	96	31,800
September	141	46	14,100 ^r	82	27	8,790	287	94	30,900
October	105	34	10,800	42	14	4,410	224	73	24,200
November	147	48	15,800	54	18	6,140	311	102	36,900
December	136	45	15,100	83	27	10,700	278	91	33,200
2025									
January	139	46	14,800	66	22	8,880	259	85	31,200
February	135	44	13,200	79	26	9,010	256	84	28,800
March	170	56	16,900	63	20	7,460	268	88	30,200
January–March	444	145	44,900	207	68	25,300	783	256	90,200

¹May include other countries not listed.

²Declared customs valuation.

Table 4. U.S. exports of sulfur and sulfuric acid.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in thousand metric tons and thousand dollars. Source: U.S. Census Bureau (<https://usatrade.census.gov/>).]

Period	Sulfur		Sulfuric acid		
	Quantity	Value ¹	Quantity	Sulfur content	Value ¹
2024					
January–December	2,070	197,000	156	51	32,400
January–March	485	40,900	38	12	7,020
March	98	9,560	13	4	2,310
April	131	11,200	12	4	2,300
May	90	8,890	15	5	3,310
June	109	8,500	15	5	2,580
July	246	21,200	12	4	2,370
August	129	13,200	15	5	2,440
September	193	16,600	12	4	2,260
October	182	22,700	12	4	4,070
November	299	30,700	13	4	2,710
December	206	23,400	13	4	3,340
2025					
January	77	13,200	12	4	2,290
February	198	28,500	22	7	3,430
March	113	15,900	11	4	2,460
January–March	389	57,600	46	15	8,180

¹Declared f.a.s. (free alongside ship) valuation.

Table 5. U.S. consumption of sulfur.

[Data are rounded to no more than three significant digits; may not add to totals shown.

Data are in thousand metric tons. Revised data are marked with a superscript “r”.]

Period	Domestic sources¹	Imports	Consumption
2024			
January–December	5,730	1,340 ^r	7,070 ^r
January–March	1,310 ^r	339 ^r	1,640 ^r
March	551	109	660
April	520	109	629
May	594	99	693
June	549	142	691
July	441	96	537
August	549	105	655
September	474	91	565
October	464	118	582
November	343	118	461
December	486	125	611
2025			
January	575 ^r	144	720 ^r
February	375	168	543
March	510	79	589
January–March	1,460	391	1,850

¹Calculated as shipments minus exports.

Table 6. Recovered sulfur produced and shipped in the United States, by PAD (Petroleum Administration for Defense) district.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in thousand metric tons. Revised data are marked with a superscript "r".]

District and source	January-March 2024 ¹		February 2025		March 2025		January-March 2025 ¹	
	Production	Shipments	Production	Shipments	Production	Shipments	Production	Shipments
PAD 1								
Petroleum and coke	36	37	14	15	12	12	42	43
Natural gas	2	2	(²)	(²)	(²)	(²)	1	1
Total	38	39	14	15	13	12	43	44
PAD 2								
Petroleum and coke	320	321	103	104	111	105	341	333
Natural gas	0	0	0	0	0	0	0	0
Total	320	321	103	104	111	105	341	333
PAD 3								
Petroleum and coke	1,000	1,010	330	322	367	364	1,060	1,060
Natural gas	16	16	3	3	3	3	8	9
Total	1,020	1,020	333	325	370	366	1,070	1,070
PAD 4 and 5								
Petroleum and coke	312	314	94 ^r	99	111	108	312	311
Natural gas	98	99	30	30	31	32	93	96
Total	410	412	124 ^r	129	142	140	405	407
Grand total	1,790	1,790	574 ^r	573	636	623	1,860	1,850

¹May include revisions to previously published data.

²Less than ½ unit.

Table 7. Comparative sulfur and sulfuric acid statistics.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in million metric tons per year (annualized basis) and dollars per metric ton for period shown. Revised data are marked with a superscript "r".]

Category	2024	2025		
		February	March	January–March
Production	7.79	7.48 ^r	7.49	7.54
Shipments	7.80	7.47	7.34	7.50
Exports of sulfur	2.07	2.58	1.34	1.58
Imports of sulfur				
Canada	1.28 ^r	1.47	0.90	1.13
Total¹	1.34 ^r	2.19	0.93	1.59
Exports of H ₂ SO ₄	0.16	0.29	0.13	0.19
Imports of H₂SO₄				
Canada	1.75	1.76	2.01	1.80
Mexico	0.81	1.03	0.74	0.84
Total¹	3.51	3.34	3.15	3.18
Consumption				
Domestic sources	5.73	4.89	6.00	5.92
Imports	1.34 ^r	2.19	0.93	1.59
Total	7.07 ^r	7.08	6.94	7.51
Sulfur export values ²	95	144	140	148
Sulfur import values²				
Canada	75 ^r	152 ^r	112	126
Average ²	84 ^r	163	134	145
H ₂ SO ₄ export values ²	208	153 ^r	216	177
H₂SO₄ import values²				
Canada	108	98	99	101
Mexico	119	114	119	122
Average ¹	109	112	113	115

¹Includes other countries not listed.

²Average value per ton.