

Mineral Industry Surveys

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SULFUR IN JUNE 2007

During the month, production of recovered elemental sulfur was 672,000 metric tons (t), according to the U.S. Geological Survey. June 2007 production was slightly higher than that of May 2007 and 3% lower than that of June 2006. Sulfur production for the first half of 2007 was slightly higher than that in the first half of 2006. Shipments were 2% higher than those of May 2007. Producers' ending stocks for June 2007 were 159,000 t.

Import and export data for June 2007 were not available at the time of publication and will be published in the Sulfur in July

2007 Mineral Industry Surveys along with apparent consumption. Imports of recovered sulfur for May 2007 were estimated to be 243,000 t; exports were 71,000 t. Imports of sulfuric acid for May 2007 were 223,000 t; exports were 26,000 t.

Significant adjustments have been made to the sulfur import data. Reports from the U.S. Census Bureau appear to underreport sulfur imports, especially material from Canada. The revised figures are based on Census information and data from personal communications with industry experts.

TABLE 1
SALIENT SULFUR STATISTICS¹

(Thousand metric tons)

Period	Production			Shipments, all sources	Ending stocks ³
	Petroleum ²	Natural gas	Total		
2006:					
January-December	6,960	1,430	8,390	8,290	XX
January-June	3,350	701	4,050	4,040	XX
June	586	99	685	697	149
July	600	119	719	695	172
August	618	122	740	726	184
September	597	112	710	726	168
October	594	127	720	692	196
November	573	124	698	690	203
December	624	122	746	723	221
2007:					
January ^f	603	119	721	749	185
February	501 ^r	110 ^r	612	582	211 ^r
March	591 ^r	97 ^r	688	705 ^r	207 ^r
April ^f	557	98	655	673	162
May ^f	565	100	665	661	161
June ^p	567	105	672	676	159
Total	3,380	629	4,010	4,050	XX

^pPreliminary. ^rRevised. XX Not applicable.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes a small quantity from coking operations.

³Subject to inventory adjustments.

TABLE 2
U.S. IMPORTS OF SULFUR¹

(Thousand metric tons and thousand dollars)

Period	Canada		Mexico		Venezuela		Total, all countries ²	
	Quantity ^e	Value ³	Quantity	Value ³	Quantity ^e	Value ³	Quantity ^e	Value ³
2006:								
January-December	2,100	33,100	476	20,100	359	15,100	2,950	70,400
January-May	895	19,700 ^r	203	9,150 ^r	160	7,250 ^r	1,260	36,600
May	210	3,260	29	1,390	19	925	259	5,820
June	205	2,550	44	1,970	29	1,270	281	6,120
July	165	2,370	43	1,900	33	1,370	241	5,730
August	165	2,330	43	1,770	20	824	229	4,940
September	160	1,970	43	1,730	31	1,240	245	4,970
October	170	1,960	43	1,710	32	1,270	246	4,990
November	165	1,210	14	577	18	725	198	2,620
December	170	1,020	43	1,350	36	1,140	250	4,410
2007:								
January	170	2,480	44	1,300	23	695	236	4,600 ^r
February	145	1,670	30	1,090	20	503	195	3,290
March	170	2,010	29	661	17	376	216	3,120
April	165	2,260	41	891	22	1,320	230 ^r	4,630 ^r
May	165	2,170	58	1,460	20	1,360	243	5,030
Total	815	10,600	202	5,400	102	4,260	1,120	20,700

^eEstimated. ^rRevised.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²May include other countries not listed.

³Declared customs valuation.

Sources: U.S. Census Bureau data as adjusted by U.S. Geological Survey and PentaSul North America Sulphur Service.

TABLE 3
U.S. IMPORTS OF SULFURIC ACID¹

(Thousand metric tons and thousand dollars)

Period	Canada			Mexico			Total, all countries ²		
	Quantity	Sulfur content	Value ³	Quantity	Sulfur content	Value ³	Quantity	Sulfur content	Value ³
2006:									
January-December	1,980	647	79,200	200	64	5,100	2,430	795	91,100
January-May	967	316	37,800 ^r	87	28	2,020	1,160	380	43,200
May	207	68	7,840	13	4	307	229	75	8,320
June	189	62	7,030	2	1	56	208	68	7,860
July	181	59	6,290	7	2	157	228	74	6,900
August	212	69	7,330	22	7	624	245	80	8,070
September	178	58	6,850	23	8	557	201	66	7,490
October	93	30	4,650	19	6	464	122	40	5,320
November	93	31	5,440	21	7	512	154	50	6,740
December	65	21	3,710	18	6	713	109	36	5,530
2007:									
January	216	71	8,930	22	7	510	238	78	9,440
February	160	52	6,600	23	8	548	182	60	7,150
March	208	68	8,320	33	11	874	240	79	9,200
April	203	66	8,580	25	8	678	228	74	9,260
May	193	45	8,740	30	10	1,090	223	55	9,820
Total	980	302	41,200	133	44	3,700	1,110	346	44,900

^rRevised.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²May include other countries not listed.

³Declared customs valuation.

Source: U.S. Census Bureau.

TABLE 4
U.S. EXPORTS OF SULFUR AND SULFURIC ACID¹

(Thousand metric tons and thousand dollars)

Period	Sulfur		Sulfuric acid		
	Quantity	Value ²	Quantity	Sulfur content	Value ²
2006:					
January-December	635	43,800	249	80	21,800
January-May	168	14,400	110	36	8,800
May	19	2,090	17	5	1,400
June	141	8,790	11	4	1,370
July	79	4,540	18	6	2,030
August	15	2,380	37	12	2,280
September	15	1,540	11	4	1,320
October	84	4,910	20	6	1,730
November	48	2,980	9	3	1,040
December	85	4,250	32	10	3,270
2007:					
January	82	5,510	15	5	2,960
February	37	3,420	17	6	1,610
March	80	4,750	20 ^r	7 ^r	2,980
April	83	4,570	24 ^r	8 ^r	3,290
May	71	5,730	26	8	3,340
Total	353	24,000	102	34	14,200

^rRevised.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Declared f.a.s. (free alongside ship) valuation.

Source: U.S. Census Bureau.

TABLE 5
U.S. CONSUMPTION OF SULFUR¹

(Thousand metric tons)

Period	Domestic sources ²	Imports ^c	Consumption
2006:			
January-December	7,660	2,950	10,600
January-May	3,180 ^r	1,260	4,430 ^r
May	686	259	945
June	556	281	837
July	616	241	857
August	711	229	940
September	711	245	956
October	608	246	854
November	642	198	840
December	638	250	888
2007:			
January	667 ^r	236	903 ^r
February	545	195	740
March	625 ^r	216	841 ^r
April	590 ^r	230 ^r	818 ^r
May	605	243	828
Total	3,030	1,120	4,130

^cEstimated. ^rRevised.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Calculated as shipments minus exports.

TABLE 6
RECOVERED SULFUR PRODUCED AND SHIPPED IN THE UNITED STATES,
BY PAD (PETROLEUM ADMINISTRATION FOR DEFENSE) DISTRICT¹

(Thousand metric tons)

District and source	June 2007 ^p		May 2007		January-June 2007 ²		January-June 2006 ²	
	Production	Shipments	Production	Shipments	Production	Shipments	Production	Shipments
PAD 1:								
Petroleum and coke	24	24	22	23	136	137	118	120
Natural gas	1	1	1	1	6	6	8	8
Total	25	25	24	24	142	143	126	128
PAD 2:								
Petroleum and coke	84	84	70 ^r	70 ^r	475	474	502	505
Natural gas	4	3	3	4	21	20	19	19
Total	88	87	74 ^r	73 ^r	496	495	521	524
PAD 3: ³								
Petroleum and coke	353	356	365	361	2,190	2,220	2,070	2,070
Natural gas	38	36	56 ^r	39 ^r	226	228	243 ^r	246 ^r
Total	391	392	404 ^r	400 ^r	2,410	2,440	2,310 ^r	2,320 ^r
PAD 4 and 5: ⁴								
Petroleum and coke	105	105	107	105 ^r	585	575	662 ^r	638 ^r
Natural gas	63	66	56 ^r	59 ^r	375	389	430	433
California	84	84	76	73	459	443	547	527
Total	168	171	164 ^r	164 ^r	961	964	1,090 ^r	1,070 ^r
Grand total	672	675	666 ^r	661 ^r	4,010	4,050	4,050 ^r	4,040 ^r

^pPreliminary. ^rRevised.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²May include revisions.

³Includes the U.S. Virgin Islands.

⁴Quantities produced and shipped in California included in petroleum and natural gas. California total shown for information purposes only.

TABLE 7
COMPARATIVE SULFUR AND SULFURIC ACID STATISTICS¹

(Million metric tons per year [annualized basis] and dollars per metric ton for period shown)

	2007			2006
	June	May	Total	Total
Production	8.18 ^p	7.83 ^r	8.09 ^r	8.38
Shipments	8.22 ^p	7.78 ^r	8.16 ^r	8.29
Exports of sulfur	NA	0.84	0.85	0.63
Imports of sulfur:				
Canada	NA	1.94 ^e	1.97 ^e	2.09 ^e
Mexico	NA	0.68	0.49	0.47
Venezuela	NA	0.23 ^e	0.25 ^e	0.36 ^e
Total ²	NA	2.86 ^e	2.71 ^e	2.95 ^e
Exports of H ₂ SO ₄	NA	0.31	0.25	0.25
Imports of H ₂ SO ₄ :				
Canada	NA	2.27	2.37	1.98
Mexico	NA	0.35	0.32	0.20
Total ²	NA	2.63	2.69	2.43
Consumption: ³				
Domestic sources	NA	7.12	7.33	7.66
Imports	NA	2.63 ^e	2.65 ^e	2.95 ^e
Total	NA	9.75	9.98	10.61
Sulfur export values ⁴	NA	81	68	69
Sulfur import values: ⁴				
Canada	NA	13	13	16
Mexico	NA	25	27	42
Venezuela	NA	68	4	42
Average ²	NA	21	18	24
H ₂ SO ₄ export values ⁴	NA	13	14	88
H ₂ SO ₄ import values: ⁴				
Canada	NA	45	42	40
Mexico	NA	36	28	26
Average ²	NA	44	40	37

^eEstimated. ^pPreliminary. ^rRevised. NA Not available.

¹Data are rounded to no more than three significant digits; may not add to totals shown.

²Includes other countries not listed.

³Because June trade data were not available, June consumption was not determined.

⁴Average value per ton for most recent data available.