

Mineral Industry Surveys

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SULFUR IN JUNE 2015

During June 2015, production of recovered elemental sulfur was 745,000 metric tons (t), which was 2% higher than that of May 2015 and about the same as that of June 2014. Shipments were 751,000 t, which was 6% higher than those of May 2015. Producers' ending stocks for June 2015 were 143,000 t.

Imports of recovered sulfur for June 2015 were estimated to be 175,000 t; exports were 144,000 t. Imports of sulfuric acid for June 2015 were 272,000 t; exports were 21,000 t.

U.S. sulfur consumption, calculated as shipments minus exports plus imports, was 782,000 t in June 2015. This was

slightly higher than that of May 2015 and 5% higher than that of June 2014.

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TABLE 1
SALIENT SULFUR STATISTICS¹

(Thousand metric tons)

Period	Production			Shipments, all sources	Stocks, end of period ³
	Petroleum ²	Natural gas	Total		
2014:					
January–December	8,030	1,000	9,030	9,080	142
January–June ^f	3,950	500	4,450	4,480	143
June	673	76	749	757	143
July	721	83	804	803	147
August	705	87	792	799	144
September	652	72	725	736	134
October	653	87	741	743	135
November	653	84	737	720	149
December	697	87	784	792	142
2015:					
January	647	83	730	737	137
February	587	81	668	670	137
March	642	82	724	727	137
April	631	81	713	725	127
May	646 ^r	81	727 ^r	709 ^r	148
June ^p	667	78	745	751	143
January–June	3,820	487	4,310	4,320	143

^pPreliminary. ^rRevised.

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
2014:								
January–December	1,880	83,600	318	28,500	105	7,480	2,390	134,000
January–June	880 ^r	36,700 ^r	183 ^r	22,200 ^r	61	4,010	1,150 ^r	67,100 ^r
June	150	7,770	1	1,700	--	--	174	10,700
July	170	9,140	45	995	14	1,210	256	14,900
August	170	7,920	16	571	--	--	186	8,830
September	160	7,670	6	222	12	1,090	207	13,400
October	170	6,610	31	1,180	--	--	202	8,260
November	160	7,180	15	1,630	9	711	185	10,000
December	170	8,360	22	1,700	9	464	202	11,200
2015:								
January	170	6,860	15	658	--	--	187	8,460
February	160	6,780	15	1,790	--	--	176	9,260
March	170	7,960	29	1,750	--	--	200	9,980
April	160	6,790	15	1,940	11	279	214	14,800
May	170	5,730	29	719	9	147	262	16,100
June	160	6,760	15	358	--	--	175	7,310
January–June	990	40,900	118	7,210	20	426	1,210	65,900

^eEstimated. ^rRevised. -- Zero.

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 ICIS 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
2014:									
January–December	2,040	667	126,000	658	215	35,800	3,240	1,060	200,000
January–June	963	316	63,200 ^r	343	112	18,900	1,570	514 ^r	97,200
June	165	54	11,600	49	16	2,870	286	93	17,400
July	199	65	11,500	62	20	3,110	314	103	18,600
August	178	58	9,690	39	13	2,160	272	89	16,400
September	171	56	9,230	52	17	2,830	266	87	16,400
October	123	40	7,950	43	14	2,330	220	72	14,400
November	117	38	7,090	55	18	2,970	200	65	12,000
December	290	95	17,700	65	21	3,490	400	131	25,600
2015:									
January	161	53	9,670	56	18	2,980	261	85	16,100
February	140	46	7,890	56	18	3,010	277	91	14,700
March	182	60	10,100	62	20	3,320	293	96	18,000
April	160	52	10,100	58	19	3,100	293	96	17,300
May	177	58	11,800	51	17	2,720	293	96	19,900
June	183	60	11,500	60	20	3,160	272	89	17,000
January–June	1,000	329	61,100	343	112	18,300	1,690	553	103,000

^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
2014:					
January–December	2,000	314,000	157	47	21,800
January–June	1,070 ^r	160,000 ^r	78 ^r	25	11,600
June	189	28,800	16	4	1,940
July	47	9,790	19	5	2,330
August	286	48,800	14	4	1,540
September	110	18,800	14	5	2,020
October	166	28,100	13	4	1,450
November	176	27,000	9	3	1,650
December	144	22,200	8	2	1,180
2015:					
January	66	11,500	9	3	1,390
February	162	29,000	11	4	1,680
March	131	23,800	17	6	2,840
April	142	24,900	12	4	1,910
May	201	32,800	16	5	2,110
June	144	21,200	21	7	3,000
January–June	846	143,000	86	29	12,900

^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 ^e	Consumption
2014:			
January–December	7,080	2,390	9,470
January–June ^f	3,410	1,150	4,570
June	568	174	742
July	756	256	1,010
August	513	186	699
September	626	207	833
October	577	202	779
November	544	185	729
December	649	202	851
2015:			
January	671	187	858
February	508	176	684
March	597	200	797
April	582	214	796
May	508 ^r	262	770 ^r
June ^p	607	175	782
January–June	3,470	1,210	4,690

^eEstimated. ^pPreliminary. ^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	January–June 2014 ²		May 2015		June 2015 ^p		January–June 2015 ^{p, 2}	
	Production	Shipments	Production	Shipments	Production	Shipments	Production	Shipments
PAD 1:								
Petroleum and coke	99	99	18	18	15	15	96	97
Natural gas	7	7	1	1	1	1	7	7
Total	106	106	19	19	16	16	103	103
PAD 2:								
Petroleum and coke	617	613	115 ^r	113 ^r	113	115	654	656
Natural gas	2	2	1	1	1	1	7	7
Total	619	615	116 ^r	114 ^r	114	116	661	663
PAD 3:								
Petroleum and coke	2,550	2,560	410 ^r	400 ^r	431	435	2,410	2,420
Natural gas	205	207	34	33	33	34	194	194
Total	2,760	2,770	444 ^r	433 ^r	464	469	2,610	2,610
PAD 4 and 5:								
Petroleum and coke	684	702	103	98	109	109	655	659
Natural gas	286	291	45	45	42	42	279	282
Total	970	993	148	143	151	151	934	941
Grand total	4,450	4,480	727 ^r	709 ^r	745	751	4,310	4,320

^pPreliminary. ^rRevised.

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

²May include revisions to previously published data.

TABLE 7
COMPARATIVE SULFUR AND SULFURIC ACID STATISTICS¹

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

	2015			
	2014	May	June	January– June
Production	9.03	8.56 ^r	9.06 ^p	8.69
Shipments	9.08	8.35 ^r	9.14 ^p	8.71
Exports of sulfur	2.02	2.37	1.75	1.70
Imports of sulfur:				
Canada ^c	1.88	2.00	1.95	2.00
Mexico	0.32	0.34	0.18	0.24
Venezuela ^c	0.11	0.11	--	0.04
Total ^{e,2}	2.39	3.08	2.13	2.45
Exports of H ₂ SO ₄	0.16	0.19	0.26	0.17
Imports of H ₂ SO ₄ :				
Canada	2.04	2.08	2.23	2.02
Mexico	0.66	0.60	0.73	0.69
Total ²	3.24	3.45	3.31	3.41
Consumption:				
Domestic sources	7.08	5.98 ^r	7.39	7.00
Imports ^c	2.39	3.08	2.13	2.45
Total	9.47	9.07 ^r	9.52	9.45
Sulfur export values ³	157	163	147	169
Sulfur import values: ³				
Canada	44	34	42	41
Mexico	90	25	24	61
Venezuela	71	16	--	21
Average ²	56	61	42	54
H ₂ SO ₄ export values ³	140	132	143	150
H ₂ SO ₄ import values: ³				
Canada	62	67	63	61
Mexico	54	53	53	53
Average ²	62	68	62	61

^cEstimated. ^pPreliminary. ^rRevised. -- Zero.

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

²Includes other countries not listed.

³Average value per ton.