

Mineral Industry Surveys

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ALUMINUM IN JUNE 2011

Domestic primary aluminum production in June 2011 was 167,000 metric tons (t), according to the U.S. Geological Survey. The average daily production was 5,550 t, slightly higher than that for the previous month and 18% higher than that for June 2010. Primary aluminum production for the first 6 months of 2011 was up by 12% from that of the comparable period in 2010.

Total aluminum recovered from scrap in June 2011 was 254,000 t, slightly lower than that in the previous month but 11% higher than the total in June 2010. Of this, 134,000 t of

aluminum was recovered from new scrap, slightly lower than the amount in the previous month but 7% higher than that in June 2010. Aluminum recovered from old scrap in June 2011 totaled 120,000 t, which was slightly lower than that in May but 17% higher than the amount in June 2010. Total aluminum recovered from scrap in the first half of 2011 was 13% higher than the total for the same period of 2010. Aluminum recovered from new scrap was up by 6% and from old scrap was up by 24% over the same comparative periods.

TABLE 1
COMPONENTS OF ALUMINUM SUPPLY¹

(Thousand metric tons)

Period	Primary production	Secondary recovery ²			Imports for consumption			Total new supply ³	Stocks, end of period ⁴
		New	Old	Total	Metals and alloys, crude	Plates, sheets, bars, etc.	Total		
2010 ^P	1,726	1,550	1,130	2,680	2,650	967	3,610	8,020	1,010
2010:									
January–June	850	773	558	1,330	1,400	514	1,910	4,100	1,090
June	141	126	103	228	232	74	306	676	1,090
July	146	132	99	230	223	92	315	691	1,030
August	146	135	100	235	207	81	288	669	989
September	143	127	100	227	224	78	302	672	1,000
October	148	130	94	224	203	76	279	651	1,030
November	144	130	98	227	209	68	277	649	998
December	148	120	85	204	179	59	238	591	1,010
2011:									
January	152	141	104	245	211	64	276	672	1,050
February	140	132	107	239	212	63	275	653	1,060
March	162	138	122	260	232	75	307	728	1,070
April	162	135	117	252	220	68	288	702	1,110
May	170	137	123	260	285	73	358	787	1,140
June	167	134	120	254	NA	NA	NA	NA	NA
January–June	951	816	693	1,510	NA	NA	NA	NA	NA

^PPreliminary. NA Not available.

¹Data are rounded to no more than three significant digits, except "Primary production"; may not add to totals shown.

²Metallic recovery from purchased, tolled, or imported scrap, expanded for full coverage of industry.

³Primary production, secondary recovery, and imports for consumption.

⁴Inventory levels reflect total for both U.S. and Canadian producers; data from the Aluminum Association Inc.

TABLE 2
ESTIMATED FULL COVERAGE CONSUMPTION OF AND METALLIC RECOVERY FROM
PURCHASED NEW AND OLD ALUMINUM SCRAP¹

(Thousand metric tons)

Period	Secondary smelters		Independent mill fabricators		Foundries		Other consumers		Total	
	Con- sump- tion	Metal recovery	Con- sump- tion	Metal recovery	Con- sump- tion	Metal recovery	Con- sump- tion	Metal recovery	Con- sump- tion	Metal recovery
	2010 ^p	1,870	1,360	1,380	1,250	61	53	8	7	3,310
2010:										
January–June	912	673	689	628	30	27	4	4	1,640	1,330
June	154	113	122	110	5	4	1	1	281	228
July	157	114	123	112	5	4	1	1	285	230
August	163	119	122	111	5	4	1	1	291	235
September	159	115	117	107	5	4	1	1	282	227
October	163	117	111	101	5	4	1	1	280	224
November	161	117	116	106	5	4	1	1	283	227
December	152	109	99	90	5	4	1	1	257	204
2011:										
January	176	131	119	109	5	4	1	1	301	245
February	175	131	113	103	5	4	1	1	294	239
March	187	140	126	115	5	4	1	1	319	260
April	179	132	127	115	5	4	1	1	311	252
May	187	138	128	116	5	4	1	1	321	260
June	186	139	121	110	5	4	1	1	313	254
January–June	1,090	811	735	668	30	27	4	4	1,860	1,510

^pPreliminary.

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

TABLE 3
CONSUMPTION OF AND RECOVERY FROM PURCHASED
NEW AND OLD ALUMINUM SCRAP IN JUNE 2011¹

(Metric tons)

	Consumption		Calculated metallic recovery	
	Tabulated reports	Estimated full coverage	Tabulated reports	Estimated full coverage
	Secondary smelters	155,000	186,000	116,000
Independent mill fabricators	110,000	121,000	99,500	110,000
Foundries	4,220	5,070	3,690	4,420
Other consumers	524	629	524	629
Total	270,000	313,000	220,000	254,000

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

TABLE 4
PURCHASED AND TOLL-TREATED ALUMINUM-BASE SCRAP AND SWEATED PIG IN JUNE 2011¹

(Metric tons)

	June			January–June ²		
	Stocks, opening ²	Net receipts ³	Melted or consumed	Stocks, closing	Net receipts ³	Melted or consumed
New scrap:						
Extrusion	20,200	42,200	43,500	19,000	270,000	272,000
Can stock clippings	6,020	20,400	19,700	6,710	125,000	123,000
Other wrought sheet/clippings	6,500	28,300	28,100	6,730	170,000	169,000
Casting	1,490	6,780	6,710	1,560	33,200	32,500
Borings and turnings	2,530	8,840	8,720	2,650	56,900	57,000
Dross and skimmings	7,450	42,400	42,400	7,450	253,000	253,000
Total new scrap	44,200	149,000	149,000	44,100	907,000	907,000
Old scrap:						
Used castings	6,540	26,700	25,600	7,610	146,000	148,000
Used extrusion	4,800	11,100	9,810	6,110	51,800	50,400
Used cans (shredded, loose, baled)	9,350	57,000	57,600	8,770	323,000	336,000
Other wrought products	4,460	21,300	21,300	4,470	124,000	126,000
Fragmentized shredder (auto shredder)	1,050	6,700	6,530	1,220	37,800	37,800
Total old scrap	26,200	123,000	121,000	28,200	682,000	698,000
Sweated pig	89	147	147	89	866	884
Total all classes	70,500	272,000	270,000	72,300	1,590,000	1,610,000

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

²May include revisions to previously published data.

³Includes data on imported aluminum-base scrap.

TABLE 5
ALUMINUM ALLOYS PRODUCED AT SECONDARY SMELTERS IN THE UNITED STATES FOR 2011^{1,2}

(Metric tons)

	June				January–June ³	
	Stocks, opening	Production	Net shipments	Stocks, closing	Production	Net shipments
Die-cast alloys:						
13% Si, 360, etc. (0.6% Cu, max.)	1,130	3,500	3,110	1,520	18,600	18,800
380 and variations	2,510	25,300	25,300	2,510	142,000	143,000
Sand and permanent mold:						
95/5 Al-Si, 356, etc. (0.6% Cu, max.)	2,580	2,490	2,490	2,580	15,000	15,000
No. 319 and variations	2,180	5,680	5,690	2,170	34,100	35,000
F-132 alloy and variations	948	672	672	948	4,030	3,540
Al-Zn alloys	278	130	130	278	781	781
Al-Si alloys (0.6% to 2.0% Cu)	398	228	228	398	1,370	1,370
Al-Cu alloys (1.5% Si, max.)	48	34	34	48	204	204
Other ⁴	7,060	10,600	10,900	6,760	60,500	67,500
Wrought alloys, extrusion billets	16,500	38,600	38,600	16,500	233,000	232,000
Total all alloys	33,700	87,300	87,200	33,700	510,000	517,000
Less:						
Primary aluminum consumed	XX	9,930	XX	XX	72,500	XX
Primary silicon consumed	XX	1,530	XX	XX	9,180	XX
Other alloying ingredients consumed	XX	1,040	XX	XX	6,590	XX
Net metallic recovery from aluminum scrap and sweated pig consumed in production of secondary aluminum ingot ⁵	XX	74,700	XX	XX	422,000	XX

XX Not applicable.

¹Excludes integrated aluminum companies.

²Data are rounded to no more than three significant digits; may not add to totals shown.

³May include revisions to previously published data.

⁴Includes alloys No. 12, Al-Mg, Al-Si-Cu-Ni, aluminum-base hardeners, variations of these alloys, plus other aluminum alloys.

⁵No allowance made for melt-loss of primary aluminum and alloying ingredients.

TABLE 6
AVERAGE PRICE OF ALUMINUM IN THE UNITED STATES
AND ON THE LONDON METAL EXCHANGE

(Cents per pound)

Period	Midwest U.S. market price	LME cash price Grade A
2010:		
June	93.438	87.589
July	96.000	90.166
August	102.438	96.055
September	103.550	98.067
October	112.438	106.418
November	111.938	105.807
December	111.950	106.600
January–December	104.382	98.553
2011:		
January	116.313	110.638
February	119.438	113.752
March	121.800	115.767
April	128.313	120.762
May	126.063	117.558
June	124.350	115.896
January–June	122.713	115.729

Source: Platts Metals Week.

TABLE 7
AVERAGE BUYING PRICES FOR ALUMINUM SCRAP

(Cents per pound)

Month	Used beverage cans	Mixed low copper clips	Old sheet and cast	Turnings (clean and dry)
2010:				
June	65.77	67.05	62.14	60.45
July	67.43	68.88	63.64	62.64
August	72.45	72.91	66.59	65.14
September	74.76	73.60	66.98	65.83
October	82.57	76.86	70.74	68.38
November	79.38	76.90	71.35	68.93
December	82.26	77.68	72.47	70.05
January–December	74.16	72.63	67.81	65.97
2011:				
January	86.78	82.23	76.53	73.53
February	89.11	85.34	79.95	78.08
March	90.96	87.07	81.96	81.00
April	96.07	87.19	82.83 ¹	81.93
May	94.71	86.10	80.69 ¹	79.31
June	94.05	84.50	79.30 ¹	79.11
January–June	91.95	85.41	80.21	78.83

¹Beginning in April 2011, old sheet and old cast were reported separately. The average of the two prices is presented in this table.

Source: American Metal Market.

TABLE 8
U.S. IMPORTS FOR CONSUMPTION OF ALUMINUM IN MAY 2011¹

(Metric tons)

Country	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	May	January–	May	January–	May	January–	May	January–
		May		May		May		May
Argentina	24,400	50,300	--	--	--	--	24,400	50,300
Australia	5,070	15,700	3	5	--	20	5,070	15,800
Austria	(2)	14	1,370	6,770	--	--	1,370	6,790
Bahamas, The	--	--	--	--	450	2,010	450	2,010
Bahrain	--	20	979	7,140	--	--	979	7,160
Brazil	244	16,400	937	4,890	--	70	1,180	21,400
Canada	167,000	781,000	29,100	135,000	29,900	137,000	226,000	1,050,000
Chile	--	--	--	--	150	1,180	150	1,180
China	97	489	8,960	44,100	4	17	9,060	44,600
Costa Rica	--	--	--	22	251	1,730	251	1,750
Egypt	--	--	679	2,450	--	--	679	2,450
El Salvador	--	--	8	8	364	1,920	372	1,920
France	221	1,240	289	1,850	--	--	510	3,080
Germany	30	485	7,570	34,400	55	92	7,650	34,900
Greece	--	--	625	5,520	--	42	625	5,560
Guatemala	--	--	--	--	1,290	4,470	1,290	4,470
Honduras	--	--	--	--	345	1,420	345	1,420
Hong Kong	--	(2)	281	1,900	--	--	281	1,900
India	100	118	1,580	6,640	--	1	1,680	6,760
Indonesia	--	--	6,160	29,400	--	--	6,160	29,400
Italy	(2)	(2)	501	2,090	4	96	505	2,180
Japan	113	314	729	4,400	19	155	861	4,860
Korea, Republic of	326	6,160	319	1,370	--	96	645	7,620
Malaysia	--	--	499	2,690	38	416	537	3,110
Mexico	1,730	9,440	2,550	11,800	12,700	55,200	17,000	76,400
New Zealand	1,990	11,400	14	60	--	23	2,000	11,500
Qatar	4,460	17,300	--	--	--	--	4,460	17,300
Russia	34,100	95,300	1,570	5,760	--	--	35,700	101,000
Saudi Arabia	--	45	--	1	1,360	7,090	1,360	7,130
South Africa	1,020	4,570	5,010	17,300	--	--	6,030	21,900
United Arab Emirates	20,000	106,000	--	1	--	96	20,000	106,000
United Kingdom	64	223	174	2,220	1,210	5,020	1,450	7,460
Venezuela	19,000	36,800	248	637	43	879	19,200	38,300
Other	5,010	7,140	2,660	14,300	1,700	5,600	9,400	27,100
Total	285,000	1,160,000	72,800	343,000	49,900	225,000	408,000	1,730,000

-- Zero.

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

²Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 9
U.S. EXPORTS OF ALUMINUM IN MAY 2011¹

(Metric tons)

Country or territory	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	May	January– May	May	January– May	May	January– May	May	January– May
Australia	116	384	114	839	11	11	240	1,230
Belgium	3	85	227	737	39	41	268	863
Brazil	--	9	743	3,270	185	1,920	928	5,200
Canada	6,740	37,800	32,300	154,000	11,700	61,300	50,700	253,000
Chile	786	1,930	589	1,370	--	--	1,380	3,310
China	427	2,120	2,170	13,100	119,000	561,000	122,000	576,000
Colombia	(2)	3	122	975	46	63	169	1,040
France	26	534	1,390	5,930	4	6	1,420	6,470
Germany	201	1,630	991	4,320	22	206	1,210	6,150
Guatemala	--	40	1,610	7,170	--	1	1,610	7,210
Hong Kong	--	24	240	2,060	3,340	16,000	3,580	18,100
India	18	73	140	1,040	5,660	18,600	5,820	19,700
Indonesia	--	13	25	327	587	2,060	612	2,400
Ireland	2	6	1,170	4,000	--	--	1,170	4,000
Israel	13	306	989	3,940	--	--	1,000	4,240
Italy	5	23	395	1,490	42	121	443	1,640
Japan	296	1,010	1,290	7,160	394	5,360	1,980	13,500
Korea, Republic of	59	259	1,850	7,250	16,600	83,300	18,500	90,900
Kuwait	--	--	1,080	4,580	--	--	1,080	4,580
Malaysia	20	22	166	643	296	1,200	482	1,860
Mexico	16,800	91,100	24,300	116,000	13,900	63,900	55,000	271,000
Netherlands	18	112	65	383	84	449	167	944
Norway	--	7	1	8	94	18,200	95	18,200
Pakistan	--	(2)	--	6	297	1,910	297	1,910
Panama	(2)	(2)	515	1,980	19	60	534	2,040
Romania	43	604	9	63	--	--	52	667
Saudi Arabia	--	(2)	3,500	17,400	--	--	3,500	17,400
Singapore	48	306	334	1,620	18	110	401	2,030
Spain	5	22	187	820	18	280	210	1,120
Taiwan	120	630	966	4,700	3,350	20,100	4,440	25,400
Thailand	19	38	82	438	568	2,100	669	2,570
Tunisia	--	--	--	959	--	--	--	959
Turkey	--	35	328	1,150	--	18	328	1,200
United Arab Emirates	5	5	573	3,550	--	141	578	3,700
United Kingdom	254	1,010	1,240	6,160	32	233	1,530	7,390
Vietnam	--	--	8	64	121	2,160	129	2,230
Other	72	503	1,740	6,440	564	1,830	2,380	8,770
Total	26,100	141,000	81,500	386,000	177,000	862,000	285,000	1,390,000

-- Zero.

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

²Less than ½ unit.

Source: U.S. Census Bureau.