

Mineral Industry Surveys

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ALUMINUM IN JUNE 2007

Domestic primary aluminum production in June was 209,000 metric tons (t), according to the U.S. Geological Survey. The average daily production rate was 6,967 t, 3% higher than that of the previous month and 11% higher than the rate for June 2006. Primary production for the first 6 months of 2007 was 7% higher than during the comparable period of 2006, primarily owing to increased production from three smelters. Ormet Corp. restarted production in December 2006 at its smelter in Hannibal, OH, which had been closed since January 2005. (See Aluminum in May 2007.) The Bonneville Power Administration signed deals with Alcoa Inc.'s Intalco smelter at Ferndale, WA, and Glencore International AG's Columbia Falls Aluminum Co. smelter in Columbia Falls, MT (Bonneville Power Administration, 2006). As a result, Alcoa restarted an additional potline at the Intalco smelter in February (Alcoa Inc., 2007), and a second potline was restarted at the Columbia Falls smelter during the first quarter of the year (American Metal Market, 2007).

Total aluminum recovered from scrap in June 2007 was 259,000 t, essentially unchanged from that in the previous month but 2% higher than in June 2006. In June 2007, 155,000 t

of aluminum was recovered from new scrap, which was 2% higher than in May but 4% lower than in June 2006. Aluminum recovered from old scrap totaled 104,000 t in June, which was 5% lower than in the previous month and 13% higher than in June 2006.

The monthly average U.S. market price of primary aluminum ingot in June decreased to \$1.234 per pound from \$1.293 per pound in May. In July the monthly average U.S. market price of primary aluminum ingot increased to \$1.269 per pound.

References Cited

- Alcoa Inc., 2007, Re-energized potline produces employment and stability at Alcoa Ferndale Operations: New York, NY, Alcoa Inc. press release, February 5, 2 p.
- American Metal Market, 2007, US primary aluminum production rises in March, first three months: American Metal Market, v. 115, no. 14-5, April 13, p. 7.
- Bonneville Power Administration, 2006, CFAC and BPA sign contract; five-year business arrangement secured: Portland, OR, Bonneville Power Administration press release, June 28, 2 p.

Used beverage can prices, cents per pound¹

June 1	89-91
June 12	87-89
June 19	86-88
June 26	84-86
July 10	86-88
July 17	85-87
July 31	83-85

¹Source: American Metal Market

TABLE 1
COMPONENTS OF ALUMINUM SUPPLY¹

(Thousand metric tons)

Period	Primary production	Secondary recovery ²			Imports for consumption			Total new supply ³	Total stocks, end of period ⁴
		New	Old	Total	Metals and alloys, crude	Plates, sheets, bars, etc.	Total		
2006 ^p	2,284	2,000	1,070	3,070	3,440	1,220	4,660	10,000	1,410
2006:									
June	189	162	92	254	298	109	407	850	1,430
July	192	165	92	256	249	111	360	808	1,450
August	185	166	109	275	315	111	426	887	1,430
September	183	160	90	250	289	102	391	823	1,480
October	190	161	80	241	259	100	359	790	1,410
November	188	163	84	247	233	99	332	766	1,400
December	196	153	89	242	241	89	330	768	1,410
January-June	1,150	969	539	1,510	1,850	605	2,460	5,120	5,800
2007:									
January	202	169	107	276	251	98	349	827	1,460
February	185	141	91	232	258	86	344	761	1,460
March	217	161	114	275	238	93	332	823	1,410
April	209	147	102	248	259	94	353	810	1,430
May	210	152	109	261	220	97	317	788	1,400
June	209	155	104	259	NA	NA	NA	NA	NA
January-June	1,232	925	627	1,550	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		Integrated aluminum companies		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	Con- sump- tion	Metal recovery
	2006 ^p	1,930	1,340	901	807	892	836	87	76	9	8	3,820
2006:												
June	138	100	74	66	86	81	8	7	(2)	(2)	307	254
July	136	99	76	68	88	82	8	7	(2)	(2)	308	256
August	167	126	71	64	83	78	8	7	(2)	(2)	330	275
September	135	98	77	69	80	75	8	7	(2)	(2)	300	250
October	130	94	69	62	83	78	8	7	(2)	(2)	289	241
November	139	103	76	61	81	76	8	7	(2)	(2)	304	247
December	134	98	82	66	76	71	8	7	(2)	(2)	299	242
January-June	818	595	450	403	499	466	48	42	3	3	1,820	1,510
2007:												
January	155	117	81	73	85	80	8	7	(2)	(2)	330	276
February	118	83	69	62	85	80	8	7	(2)	(2)	281	232
March	152	111	90	81	82	76	8	7	(2)	(2)	332	275
April	131	93	80	72	82	76	8	7	(2)	(2)	301	248
May	125	89	94	84	87	81	8	7	(2)	(2)	314	261
June	120	84	88	79	95	89	8	7	(2)	(2)	312	259
January-June	801	577	502	451	516	482	48	42	3	3	1,870	1,550

^pPreliminary.

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

²Less than ½ unit.

TABLE 3
CONSUMPTION OF AND RECOVERY FROM PURCHASED
NEW AND OLD ALUMINUM SCRAP IN JUNE 2007¹

(Metric tons)

	Consumption		Calculated metallic recovery	
	Tabulated reports	Estimated full coverage	Tabulated reports	Estimated full coverage
	Secondary smelters	99,800	120,000	69,700
Integrated aluminum companies	88,500	88,500	79,300	79,300
Independent mill fabricators	79,500	95,400	74,200	89,000
Foundries	6,560	7,870	5,760	6,910
Other consumers	394	473	394	473
Total	275,000	312,000	229,000	259,000

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 2007¹

(Metric tons)

	June			January-June		
	Stocks, opening	Net receipts ²	Melted or consumed	Stocks, closing	Net receipts ²	Melted or consumed
New scrap:						
Extrusion	16,100	79,900	80,800	15,200	366,000	369,000
Can stock clippings	1,350	15,100	14,600	1,850	166,000	165,000
Other wrought sheet/clippings	3,670	18,600	18,100	4,210	125,000	125,000
Casting	1,250	4,010	4,390	872	33,800	35,600
Borings and turnings	3,340	11,900	11,900	3,300	79,300	78,900
Dross and skimmings	3,520	35,100	35,200	3,420	213,000	213,000
Total new scrap	29,200	165,000	165,000	28,900	984,000	988,000
Old scrap:						
Used castings	2,260	13,000	12,900	2,360	80,600	81,800
Used extrusion	419	2,500	2,500	419	15,000	15,000
Used cans (shredded, loose, baled)	649	58,200	58,400	458	333,000	336,000
Other wrought products	2,340	26,700	26,700	2,340	147,000	147,000
Fragmentized shredder (auto shredder)	2,670	8,150	8,770	2,050	71,900	72,300
Total old scrap	8,340	108,000	109,000	7,630	647,000	652,000
Sweated pig	--	544	544	--	3,480	3,480
Total all classes	37,500	274,000	275,000	36,500	1,630,000	1,640,000

-- Zero.

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

²Includes data on imported aluminum-base scrap.

TABLE 5
ALUMINUM ALLOYS PRODUCED AT SECONDARY SMELTERS IN THE UNITED STATES FOR 2007^{1,2}

(Metric tons)

	June			January-June		
	Stocks, opening	Production	Net shipments	Stocks, closing	Production	Net shipments
Die-cast alloys:						
13% Si, 360, etc. (0.6% Cu, max.)	2,480	1,620	1,710	2,390	10,200	10,300
380 and variations	2,630	13,900	13,700	2,850	85,400	85,700
Sand and permanent mold:						
95/5 Al-Si, 356, etc. (0.6% Cu, max.)	1,120	1,510	1,570	1,060	9,190	9,310
No. 319 and variations	2,360	4,090	4,350	2,100	29,300	29,000
F-132 alloy and variations	704	1,470	1,390	781	8,410	8,320
Al-Zn alloys	307	171	172	306	1,140	1,140
Al-Si alloys (0.6% to 2.0% Cu)	41	24	24	41	144	144
Al-Cu alloys (1.5% Si, max.)	283	411	411	283	2,470	2,470
Other ³	3,990	10,600	11,400	3,180	62,800	64,200
Wrought alloys, extrusion billets	4,980	11,300	11,600	4,770	63,900	63,900
Total all alloys	18,900	45,100	46,200	17,800	273,000	274,000
Less:						
Primary aluminum consumed	XX	4,440	XX	XX	24,000	XX
Primary silicon consumed	XX	1,840	XX	XX	12,800	XX
Other alloying ingredients consumed	XX	1,120	XX	XX	4,890	XX
Net metallic recovery from aluminum scrap and sweated pig consumed in production of secondary aluminum ingot ⁴	XX	37,700	XX	XX	231,000	XX

XX Not applicable.

¹Excludes integrated aluminum companies.

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

³Includes alloys No. 12, Al-Mg, Al-Si-Cu-Ni, aluminum-base hardeners, variations of these alloys, plus other aluminum alloys.

⁴No allowance made for melt-loss of primary aluminum and alloying ingredients.

TABLE 6
U.S. IMPORTS FOR CONSUMPTION OF ALUMINUM IN MAY 2007¹

(Metric tons)

Country	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	May	January- May	May	January- May	May	January- May	May	January- May
Argentina	4,230	27,800	6	53	--	--	4,240	27,800
Australia	4,210	23,400	10	61	506	2,390	4,730	25,900
Bahrain	7,740	19,300	2,110	7,820	--	--	9,850	27,200
Belgium	--	58	983	5,350	--	14	983	5,430
Brazil	7,120	36,400	1,920	13,600	--	1	9,050	50,000
Canada	155,000	780,000	37,700	190,000	29,600	135,000	222,000	1,100,000
China	4,630	19,700	19,300	74,600	--	40	23,900	94,400
France	8	305	287	1,410	12	31	307	1,740
Germany	57	1,260	10,100	45,000	20	186	10,200	46,400
Hungary	--	--	14	72	--	--	14	72
Italy	45	513	495	3,550	--	40	541	4,110
Japan	--	131	984	5,680	46	265	1,030	6,080
Korea, Republic of	19	741	288	1,150	--	58	307	1,950
Mexico	1,690	6,720	2,030	8,840	9,710	42,000	13,400	57,500
Netherlands	62	341	227	968	--	--	289	1,310
Norway	252	1,830	1	139	--	--	252	1,970
Russia	12,600	190,000	4,330	24,000	--	1,660	16,900	216,000
South Africa	4,510	32,400	3,540	18,800	--	--	8,040	51,200
Spain	15	55	17	336	--	--	32	391
Sweden	--	--	110	545	--	--	110	545
Switzerland	--	(2)	547	2,260	--	--	547	2,260
United Arab Emirates	11,300	46,800	--	--	--	18	11,300	46,800
United Kingdom	294	1,940	369	2,070	46	102	710	4,110
Venezuela	2,750	16,200	659	4,570	--	313	3,410	21,100
Other	3,730	20,500	10,800	57,400	3,460	17,600	18,000	95,600
Total	220,000	1,230,000	96,800	468,000	43,400	200,000	360,000	1,890,000

-- 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 7
U.S. EXPORTS OF ALUMINUM IN MAY 2007¹

(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	11	125	122	588	45	65	178	777
Azerbaijan	--	--	--	3	--	--	--	3
Belgium	38	281	190	1,520	--	--	228	1,800
Brazil	4	12	900	4,300	204	841	1,110	5,150
Canada	10,700	48,100	38,200	181,000	14,200	68,300	63,100	297,000
China	105	225	2,210	7,330	64,600	289,000	66,900	297,000
Czech Republic	(2)	(2)	17	131	--	--	17	132
Dominican Republic	--	10	48	190	--	--	48	200
France	46	177	1,160	5,360	--	3	1,200	5,540
Germany	76	397	816	4,010	117	266	1,010	4,670
Hong Kong	2	437	2,660	7,840	4,280	14,000	6,940	22,300
India	43	117	92	424	1,480	5,800	1,610	6,340
Israel	140	485	318	2,270	--	--	458	2,760
Italy	719	728	376	1,670	119	214	1,210	2,620
Japan	2,740	9,380	1,260	7,260	2,480	16,200	6,470	32,800
Korea, Republic of	125	285	1,540	7,460	18,000	86,100	19,700	93,800
Malaysia	1	12	796	3,100	430	6,260	1,230	9,360
Mexico	18,100	82,600	20,700	106,000	7,280	33,900	46,100	223,000
Netherlands	2	1,570	152	378	82	161	236	2,100
Russia	--	516	4	104	--	--	4	620
Saudi Arabia	--	5	2,360	8,930	--	--	2,360	8,940
Singapore	99	202	219	919	--	6	318	1,130
Spain	25	57	97	803	--	40	121	900
Sweden	--	9	38	130	--	--	38	139
Taiwan	75	285	855	2,110	13,100	47,200	14,000	49,600
Thailand	295	325	954	4,940	1,620	4,050	2,870	9,320
Ukraine	--	--	18	18	--	--	18	18
United Kingdom	9	124	907	6,250	473	934	1,390	7,310
Venezuela	--	(2)	89	325	76	77	165	402
Other	402	2,030	5,600	23,700	1,800	7,100	7,800	32,800
Total	33,800	148,000	82,700	389,000	130,000	581,000	247,000	1,120,000

-- 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.