

Mineral Industry Surveys

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ALUMINUM IN NOVEMBER 2007

Domestic primary aluminum production in November was 220,000 metric tons (t), according to the U.S. Geological Survey. The average daily production was 7,320 t, 2% higher than that of the previous month and 17% higher than the rate for November 2006. Total aluminum recovered from scrap in November 2007 was 257,000 t, with the average daily recovery 12% lower than in October 2007 and 1% higher than that in November 2006. Aluminum recovered from new scrap totaled 156,000 t, with the average daily recovery 9% lower

than in October 2007 and 4% lower than that in November 2006. In November 2006, 102,000 t of aluminum was recovered from old scrap, with the average daily recovery 16% lower than in October 2007 and 12% higher than that in November 2006.

The monthly average U.S. market price of primary aluminum ingot increased to \$1.164 per pound in November from \$1.135 per pound in October but declined to \$1.107 per pound in December.

Used beverage can prices, cents per pound¹

November 2	81-83
November 9	83-86
November 16	82-84
November 23	81-83
November 30	81-83
December 7	79-81
December 14	79-81
December 21	78-80
December 28	78-80

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 ⁵	2,284	2,310	1,200	3,510	3,440	1,220	4,660	10,400	1,410
2006:									
November	188	163	91 ^r	254 ^r	233	99	332	774 ^r	1,400
December	197 ^r	153	96 ^r	249 ^r	241	89	330	775 ^r	1,410
January-November	2,087 ^r	1,790 ^r	1,000 ^r	2,790 ^r	3,200	1,130	4,330	9,200	1,410
2007:									
January	202	193	113	307	251	98	349	857 ^r	1,460
February	185	165	97	262	258	86	344	791 ^r	1,460
March	217	185	120	305	238	93	332	854 ^r	1,410
April	209	171	108	279	259	94	353	841 ^r	1,430
May	210	176	115	292	220	97	317	819 ^r	1,400
June	209	179	111	289	255	92	347	845	1,330
July	219	188 ^r	104	292	236	102	337	848	1,370
August	220	171	124	296 ^r	267	91	358	874 ^r	1,390
September	216	166	106	272	268	84	352	841	1,350
October	224	177	125	302	243	86	330	855	1,350
November	220	156	102	257	NA	NA	NA	NA	NA
January-November	2,331	1,930	1,230	3,150	NA	NA	NA	NA	NA

^rRevised. 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 United States and Canadian producers; data from the Aluminum Association Inc.

⁵Includes annual reports.

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 ²	2,260	1,640	901	807	1,040	974	87	76	10	9	4,300	3,510
2006:												
November	139	103	76	68 ^r	81	76	8	7	(3)	(3)	304	254 ^r
December	134	98	82	73 ^r	76	71	8	7	(3)	(3)	299	249 ^r
January-November	1,520 ^r	1,120	819 ^r	734 ^r	913 ^r	855 ^r	87	76	5 ^r	5 ^r	3,350 ^r	2,790 ^r
2007:												
January	184	143	81	73	89	83	8	7	(3)	(3)	363	307
February	148	110	69	62	89	83	8	7	(3)	(3)	314	262
March	181	138	90	81	85	79	8	7	(3)	(3)	365	305
April	160	120	80	72	86	80	8	7	(3)	(3)	334	279
May	155	116	94	84	90	84	8	7	(3)	(3)	347	292
June	148	110	88	79	99	92	8	7	(3)	(3)	344	289
July	158	118	77	69	104	98	8	7	(3)	(3)	347	292
August	154	115	93	83	96	90	8	7	(3)	(3)	352	296 ^r
September	155	116	75	66	88	82	8	7	(3)	(3)	325	272
October	160	120	91	80	100	94	8	7	(3)	(3)	360 ^r	302
November	154	115	69	61	80	74	8	7	(3)	(3)	311	257
January-November	1,760	1,320	907	810	1,010	939	88	77	5	5	3,760	3,150

^rRevised.

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

²Includes annual reports.

³Less than ½ unit.

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

(Metric tons)

	Consumption		Calculated metallic recovery	
	Tabulated reports	Estimated full coverage	Tabulated reports	Estimated full coverage
Secondary smelters	128,000	154,000	95,500	115,000
Integrated aluminum companies	69,000	69,000	61,000	61,000
Independent mill fabricators	66,300	79,600	62,000	74,400
Foundries	6,700	8,040	5,890	7,070
Other consumers	442	531	442	531
Total	271,000	311,000	225,000	257,000

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 2007¹

(Metric tons)

	November			January-November		
	Stocks, opening	Net receipts ²	Melted or consumed	Stocks, closing	Net receipts ²	Melted or consumed
New scrap:						
Extrusion	23,900 ^r	77,600	75,400	26,100	882,000	886,000
Can stock clippings	1,730	12,300	11,000	2,960	236,000	234,000
Other wrought sheet/clippings	4,350 ^r	21,300	21,500	4,180	258,000	258,000
Casting	1,190	6,710	6,710	1,190	72,400	74,000
Borings and turnings	2,290	13,200	13,300	2,220	160,000	160,000
Dross and skimmings	3,530	36,400	36,300	3,630	397,000	397,000
Total new scrap	37,000	167,000	164,000	40,300	2,010,000	2,010,000
Old scrap:						
Used castings	2,350	11,300	11,200	2,460	149,000	151,000
Used extrusion	1,850 ^r	2,400	2,400	1,850	45,600	45,600
Used cans (shredded, loose, baled)	3,000	51,800	51,300	3,450	615,000	615,000
Other wrought products	3,150	30,400	30,400	3,150	328,000	328,000
Fragmentized shredder (auto shredder)	1,130	12,000	11,100	2,080	132,000	132,000
Total old scrap	11,500 ^r	108,000	106,000	13,000	1,270,000	1,270,000
Sweated pig						
Total all classes	48,500 ^r	275,000	271,000	53,300	3,280,000	3,290,000

^rRevised. -- 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 IN 2007^{1,2}

(Metric tons)

	November			January-November		
	Stocks, opening	Production	Net shipments	Stocks, closing	Production	Net shipments
Die-cast alloys:						
13% Si, 360, etc. (0.6% Cu, max.)	2,750	1,930	2,020	2,670	22,600	22,700
380 and variations	2,680	11,700	11,800	2,570	167,000	169,000
Sand and permanent mold:						
95/5 Al-Si, 356, etc. (0.6% Cu, max.)	1,860	2,720	2,860	1,730	30,500	30,700
No. 319 and variations	2,620	4,380	5,090	1,900	60,000	61,000
F-132 alloy and variations	882	1,330	1,320	888	15,900	15,800
Al-Zn alloys	313	170	178	306	2,130	2,130
Al-Si alloys (0.6% to 2.0% Cu)	177	213	213	177	2,340	2,340
Al-Cu alloys (1.5% Si, max.)	283	411	411	283	4,530	4,530
Other ³	3,920 ^r	9,100	8,870	4,140	116,000	116,000
Wrought alloys, extrusion billets	10,600	42,200	42,500	10,400	464,000	464,000
Total all alloys	26,100 ^r	74,100	75,200	25,000	885,000	889,000
Less:						
Primary aluminum consumed	XX	13,300	XX	XX	154,000	XX
Primary silicon consumed	XX	2,190	XX	XX	25,700	XX
Other alloying ingredients consumed	XX	541	XX	XX	8,360	XX
Net metallic recovery from aluminum scrap and sweated pig consumed in production of secondary aluminum ingot ⁴	XX	58,100	XX	XX	697,000	XX

^rRevised. 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 OCTOBER 2007¹

(Metric tons)

Country	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	October	January- October	October	January- October	October	January- October	October	January- October
Argentina	4,130	49,700	--	56	--	--	4,130	49,700
Australia	3,180	49,900	10	95	--	2,730	3,190	52,700
Bahrain	1,870	34,500	1,550	15,500	--	--	3,420	50,000
Belgium	18	94	1,000	10,400	--	14	1,020	10,500
Brazil	8,150	72,600	2,290	23,700	--	1	10,400	96,300
Canada	161,000	1,600,000	37,600	380,000	30,700	272,000	229,000	2,250,000
China	1,840	34,300	10,300	146,000	18	58	12,100	181,000
France	28	416	301	2,910	--	34	329	3,360
Germany	53	1,770	9,050	86,300	40	400	9,140	88,400
Hungary	--	--	9	128	--	--	9	128
Italy	(2)	513	236	9,590	(2)	59	237	7,170
Japan	12	153	1,610	13,000	53	584	1,680	13,700
Korea, Republic of	132	2,380	165	2,650	(2)	58	297	5,090
Mexico	2,200	18,100	1,550	16,900	9,880	86,700	13,600	122,000
Netherlands	76	704	226	2,360	79	79	381	3,140
Norway	425	3,990	(2)	140	--	--	425	4,130
Russia	34,700	386,000	4,160	46,900	--	1,660	38,900	435,000
South Africa	--	47,500	3,240	39,900	--	--	3,240	87,300
Spain	2	101	3	483	--	19	5	604
Sweden	--	--	288	1,580	--	--	288	1,580
Switzerland	19	137	567	4,880	--	--	586	5,020
United Arab Emirates	15,400	96,700	--	--	--	18	15,400	96,700
United Kingdom	351	3,690	702	4,660	126	536	1,180	8,880
Venezuela	3,180	49,900	769	7,240	150	463	4,100	57,600
Other	6,860	44,000	10,700	111,000	2,510	32,500	20,100	187,000
Total	244,000	2,500,000	86,300	926,000	43,600	398,000	373,000	3,820,000

-- 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 OCTOBER 2007¹

(Metric tons)

Country or territory	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	October	January- October	October	January- October	October	January- October	October	January- October
Australia	9	258	249	1,500	20	146	278	1,900
Azerbaijan	--	--	--	9	--	--	--	9
Belgium	--	386	167	2,480	--	--	167	2,860
Brazil	516	114	922	9,980	463	3,840	1,900	14,900
Canada	10,600	96,300	38,800	362,000	14,000	135,000	63,400	594,000
China	151	509	3,110	18,800	83,300	651,000	86,600	670,000
Czech Republic	--	2	28	229	--	--	28	231
Dominican Republic	--	23	79	443	18	18	97	484
France	185	571	709	8,870	54	160	949	9,600
Germany	41	2,460	678	8,080	226	1,070	944	11,600
Hong Kong	68	647	2,370	17,400	3,610	29,200	6,040	47,200
India	(2)	159	87	1,110	1,220	12,900	1,310	14,200
Israel	141	1,150	291	4,540	1	1	434	5,680
Italy	(2)	3,990	286	3,220	203	1,100	489	8,310
Japan	251	13,300	1,660	15,600	4,090	34,000	6,000	63,000
Korea, Republic of	41	392	1,690	15,300	16,600	167,000	18,300	183,000
Malaysia	1	14	1,270	9,310	23	7,730	1,290	17,100
Mexico	17,400	164,000	24,100	212,000	7,910	69,200	49,500	445,000
Netherlands	21	1,600	95	1,200	60	1,190	176	3,990
Russia	--	516	20	199	--	139	20	855
Saudi Arabia	--	18	2,460	23,100	--	--	2,460	23,100
Singapore	1	296	322	2,500	39	329	361	3,130
Spain	--	583	114	1,330	58	519	173	2,430
Sweden	--	30	12	362	10	1,270	21	1,670
Taiwan	21	354	485	5,180	16,500	113,000	17,000	119,000
Thailand	--	526	890	10,300	4,900	16,600	5,790	27,500
Ukraine	176	176	--	55	--	--	176	232
United Kingdom	3	196	2,720	16,200	21	1,810	2,740	18,200
Venezuela	13	14	703	1,950	--	80	716	2,050
Other	170	4,850	4,880	44,900	1,650	17,600	6,710	67,300
Total	29,900	294,000	89,200	798,000	155,000	1,270,000	274,000	2,360,000

-- 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.