

Mineral Industry Surveys

For information, contact:

Patricia A. Plunkert, Aluminum Commodity Specialist
U.S. Geological Survey
989 National Center
Reston, VA 20192
Telephone: (703) 648-4979, Fax: (703) 648-7757
E-mail: pplunker@usgs.gov

Jamal Dimashk (Data)
Telephone: (703) 648-7962
Fax: (703) 648-7975
E-mail: jdimashk@usgs.gov

Internet: <http://minerals.usgs.gov/minerals>

ALUMINUM IN NOVEMBER 2003

The reported domestic primary aluminum production in November was 214,833 metric tons (t), according to the U.S. Geological Survey. The average daily production rate was 7,161 t, 1% lower than that of the previous month and 7% below the rate for November 2002. The monthly average U.S. market price of primary aluminum ingot increased from 69.80 cents per pound in October to 71.75 cents per pound in November, according to Platts Metals Week. The American Metal Market buying price range for aluminum used beverage cans (UBCs) held steady at 51–53 cents per pound during the month of November. According to Resource Recycling's Container Recycling Report, the average monthly transaction price for aluminum UBCs increased from 52.4 cents per pound in October to 54.1 cents per pound in November. Resource Recycling announced that it has ceased publication of its Container Recycling Report. Therefore, effective in December, its monthly transaction price for aluminum UBCs will no longer be available.

Publication of Interest

The Aluminum Association Inc. has released its Aluminum Statistical Review for 2002. The text, tables, and charts provide

yearend figures and historical data on shipments, markets, supply, and foreign trade. Beginning with this edition, industry statistics on aluminum supply and demand for 2001 and 2002 include both the United States and Canada. Copies of the publication may be obtained by contacting the Association's Publications department at 301-645-0756 or by visiting the Association's web site at <http://www.aluminum.org/Bookstore>.

Update

The monthly average U.S. market price of primary aluminum ingot increased from 71.75 cents per pound in November to 73.85 cents per pound in December. The American Metal Market buying price range for aluminum UBCs increased several times during the month of December. On December 2, the price range increased to 52.5–54 cents per pound. On December 9, the price range widened to 52.5–54.5 cents per pound, and, on December 16, the price range increased to 53.5–55 cents per pound, where it remained through the end of the month.

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		
2002 ⁵	2,707	1,750	1,170	2,930	2,790	804	3,600	9,230	1,320
2002:									
November	232	148	100	248	264	64	328	808	1,370
December	241	140	91	231	186	61	247	719	1,320
January-November	2,466	1,670	1,120	2,790	2,610	742	3,350	8,610	1,370
2003:									
January	242	152	96	248	215	69	284	774	1,350
February	220	153	88	241	246	64	310	771	1,390
March	238	143	89	232	350	71	421	891	1,400
April	225	143	99	242	202	69	272	739	1,350
May	228	150	106	256	265	69	335	819	1,400
June	221	139	102	240	261	66	327	789	1,360
July	226	140	97	236	233	74	307	770	1,360
August	225	153	100	253	194	67	261	739	1,340
September	217	152	98	249	215	70	284	751	1,310
October	224	154 ^r	105 ^r	259 ^r	210	72	281	765	1,290
November	215	147	99	246	NA	NA	NA	NA	NA
January-November	2,482	1,630	1,080	2,700	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.

⁴Includes scrap; data from the Aluminum Association Inc.

⁵Includes monthly and annual data.

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	
	Consumption	Metal recovery	Consumption	Metal recovery	Consumption	Metal recovery	Consumption	Metal recovery	Consumption	Metal recovery	Consumption	Metal recovery
2002 ²	1,850	1,340	869	752	768	713	123	112	9	9	3,620	2,930
2002:												
November	149	111	71	61	71	66	11	10	(3)	(3)	302	248
December	146	107	64	55	63	59	10	9	(3)	(3)	284	231
January-November	1,700	1,270	808	699	760	704	124	113	6 ^r	6 ^r	3,390	2,790
2003:												
January	147	109	70	60	72	67	12	11	1	1	301	248
February	147	109	66	57	68	64	11	10	(3)	(3)	293	241
March	140	103	59	50	73	69	10	9	1	1	282	232
April	137	102	75	65	71	66	10	9	1	1	294	242
May	143	106	82	71	74	68	11	10	1	1	311	256
June	143	106	74	64	65	60	11	10	1	1	293	240
July	122	89	75	64	78	73	11	10	(3) ^r	(3) ^r	286	236
August	137	101	71	62	85	79	12	11	(3) ^r	(3) ^r	306	253
September	135	100	70	60	84	79	12	10	(3)	(3)	302	249
October	144 ^r	107 ^r	80	70	76	71	12	11	(3)	(3)	313 ^r	259 ^r
November	139	102	75	64	75	70	11	10	(3)	(3)	300	246
January-November	1,540	1,130	798	689	821	766	123	111	5	5	3,280	2,700

^rRevised.

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

²Includes monthly and annual data.

³Less than 1/2 unit.

TABLE 3
CONSUMPTION OF AND RECOVERY FROM PURCHASED
NEW AND OLD ALUMINUM SCRAP IN NOVEMBER 2003¹

(Metric tons)

	Consumption		Calculated metallic recovery	
	Tabulated reports	Estimated full coverage	Tabulated reports	Estimated full coverage
Secondary smelters	116,000	139,000	84,900	102,000
Integrated aluminum companies	74,600	74,600	64,300	64,300
Independent mill fabricators	62,800	75,300	58,600	70,300
Foundries	8,890	10,700	7,990	9,580
Other consumers	287	344	287	344
Total	262,000	300,000	216,000	246,000

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 2003¹

(Metric tons)

	November			January-November ²		
	Stocks, opening	Net receipts ³	Melted or consumed	Stocks, closing	Net receipts ³	Melted or consumed
New scrap:						
Solids	17,100	83,600	82,100	18,600	876,000	886,000
Can stock clippings	2,290	16,100	16,100	2,280	199,000	199,000
Other clippings	4,900	8,470	8,530	4,840	97,600	98,700
Borings and turnings	4,530 ^r	17,200	16,800	4,950	187,000	187,000
Dross and skimmings	2,670 ^r	33,300	33,200	2,720	358,000	358,000
Total new scrap	31,500 ^r	159,000	157,000	33,400	1,720,000	1,730,000
Old scrap:						
Used casting, sheet, clippings	12,500 ^r	33,000	33,300	12,100	358,000	359,000
Aluminum-copper radiators	1,590 ^r	1,540	1,650	1,480	19,200	19,700
Used cans (shredded, loose, baled)	36,300	51,600	59,600	28,300	633,000	632,000
Fragmentized shredder (auto shredder)	2,850 ^r	9,690	10,100	2,470	121,000	120,000
Total old scrap	53,200 ^r	95,800	105,000	44,400	1,130,000	1,130,000
Sweated pig	140	878	881	137	9,850	9,880
Total all classes	84,800 ^r	255,000	262,000	77,900	2,860,000	2,870,000

^rRevised.

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

²Includes revised data from previous month(s).

³Includes data on imported aluminum-base scrap.

TABLE 5
ALUMINUM ALLOYS PRODUCED AT SECONDARY SMELTERS IN THE UNITED STATES FOR 2003^{1,2}

(Metric tons)

	November			January-November ³		
	Stocks, opening	Production	Net shipments	Stocks, closing	Production	Net shipments
Die-cast alloys:						
13% Si, 360, etc. (0.6% Cu, max.)	3,160 ^r	1,830	1,550	3,430	18,600	18,700
380 and variations	5,760 ^r	27,100	26,400	6,440	309,000	311,000
Sand and permanent mold:						
95/5 Al-Si, 356, etc. (0.6% Cu, max.)	2,190 ^r	4,310	4,140	2,350	44,700	44,400
No. 319 and variations	3,650 ^r	9,520	9,100	4,080	111,000	112,000
F-132 alloy and variations	1,310 ^r	2,620	2,460	1,460	23,800	24,300
Al-Zn alloys	42 ^r	77	80	39	904	899
Al-Si alloys (0.6% to 2.0% Cu)	91	168	168	91	1,850	1,850
Al-Cu alloys (1.5% Si, max.)	--	191	191	--	2,100	2,100
Other ⁴	6,790 ^r	5,510	7,070	5,220	79,500	79,800
Wrought alloys:						
Extrusion billets	10,000	17,700	17,700	10,000	192,000	193,000
Total all alloys	33,000 ^r	69,000	68,900	33,200	783,000	787,000
Less:						
Primary aluminum consumed	XX	6,940	XX	XX	74,500	XX
Primary silicon consumed	XX	3,220	XX	XX	35,700	XX
Other alloying ingredients consumed	XX	602	XX	XX	6,650	XX
Net metallic recovery from aluminum scrap and sweated pig consumed in production of secondary aluminum ingot ⁵	XX	58,300	XX	XX	666,000	XX

^rRevised. XX Not applicable. -- Zero.

¹Excludes integrated aluminum companies.

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

³Includes revised data from previous month(s).

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
U.S. IMPORTS FOR CONSUMPTION OF ALUMINUM IN OCTOBER 2003¹

(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	1,100	56,800	136	928	--	495	1,230	58,300
Australia	6,180	73,300	(2)	115	--	9	6,180	73,400
Azerbaijan	--	--	1	1	--	--	1	1
Bahrain	--	2,930	1,210	12,900	--	--	1,210	15,800
Belgium	--	7	1,540	7,480	--	--	1,540	7,480
Brazil	4,800	66,400	941	14,700	1,510	3,780	7,250	84,900
Canada	147,000	1,420,000	38,500	372,000	35,600	247,000	221,000	2,040,000
China	83	448	2,930	20,200	38	328	3,050	21,000
France	27	574	481	5,070	--	443	508	6,080
Germany	433	7,800	4,600	56,500	26	678	5,060	64,900
Ghana	--	--	--	--	--	592	--	592
Hungary	--	--	667	2,150	--	--	667	2,150
Italy	--	(2)	310	1,730	--	--	310	1,730
Japan	34	237	667	6,550	18	376	718	7,170
Korea, Republic of	--	12	559	5,440	--	--	559	5,450
Mexico	235	3,470	1,940	13,900	5,470	60,400	7,650	77,700
Netherlands	98	540	168	2,090	--	289	266	2,920
Norway	13	266	13	126	--	--	26	392
Russia	30,900	526,000	3,820	39,400	688	5,160	35,400	571,000
South Africa	1,530	5,610	3,750	29,200	--	--	5,280	34,800
Spain	26	113	31	342	--	21	57	477
Sweden	--	(2)	211	2,480	--	276	211	2,760
Switzerland	--	2,090	176	3,680	--	--	176	5,770
United Arab Emirates	3,930	42,200	1	3	--	719	3,930	42,900
United Kingdom	161	3,840	541	2,460	133	3,610	834	9,910
Venezuela	12,400	159,000	1,810	21,300	855	6,080	15,100	186,000
Other	1,270	16,000	6,480	71,600	3,100	31,300	10,900	119,000
Total	210,000	2,390,000	71,500	692,000	47,400	362,000	329,000	3,450,000

-- Zero.

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

²Less than 1/2 unit.

Source: U.S. Census Bureau.

TABLE 7
U.S. EXPORTS OF ALUMINUM IN OCTOBER 2003¹

(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	18	116	184	1,480	--	126	203
Azerbaijan	--	--	--	4	--	--	--	4
Belgium	--	260	436	3,450	--	40	436	3,750
Brazil	--	87	618	14,600	(2)	(2)	618	14,700
Canada	12,900	100,000	40,400	407,000	11,600	121,000	64,900	629,000
China	40	155	2,020	18,900	23,500	199,000	25,500	219,000
Czech Republic	--	--	11	201	--	--	11	201
Dominican Republic	21	60	76	832	--	--	96	892
France	51	107	437	3,870	--	5	488	3,980
Germany	179	865	500	4,230	24	258	703	5,350
Hong Kong	3	93	413	4,470	2,940	18,000	3,360	22,600
India	2	11	15	262	600	3,640	617	3,910
Israel	5	15	162	2,110	--	3	167	2,130
Italy	1	9	325	1,980	--	3	326	2,000
Japan	319	3,080	613	5,550	3,150	22,600	4,080	31,300
Korea, Republic of	66	284	1,860	13,100	4,060	37,900	5,980	51,300
Malaysia	--	87	196	1,060	--	1,290	196	2,440
Mexico	9,130	66,600	13,100	95,300	6,310	43,300	28,500	205,000
Netherlands	2	253	59	529	--	55	61	838
Russia	--	5	10	71	--	--	10	76
Saudi Arabia	--	1	151	9,670	--	--	151	9,670
Singapore	17	120	214	1,230	--	71	231	1,420
Spain	1	68	77	1,340	18	149	96	1,550
Sweden	--	3	36	342	--	--	36	345
Taiwan	--	162	843	9,480	2,680	23,800	3,530	33,400
Thailand	7	21	91	5,230	98	1,800	197	7,060
Ukraine	--	(2)	28	30	--	--	28	30
United Kingdom	32	346	963	8,430	8	446	1,000	9,220
Venezuela	(2)	(2)	322	1,900	--	19	322	1,920
Other	92	347	1,530	14,500	663	6,820	2,290	21,700
Total	22,900	174,000	65,700	632,000	55,700	481,000	144,000	1,290,000

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