

Mineral Industry Surveys

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ALUMINUM IN NOVEMBER 2024

Domestic primary aluminum production in November 2024 was 55,000 metric tons (t). The average daily production in November 2024 was 1,840 t, compared with 1,830 t in October 2024, 10% less than that in November 2023, and 11% less than that in November 2022 (fig. 1, table 1).

Total aluminum recovered from scrap in November 2024 was 271,000 t, 9% less than that in October 2024, 3% less than that in November 2023, and 2,000 t less than that in November 2022. Of this, 152,000 t of aluminum was recovered from new scrap, and 118,000 t was recovered from old scrap (due to rounding, does not equal total) (fig. 1, table 1).

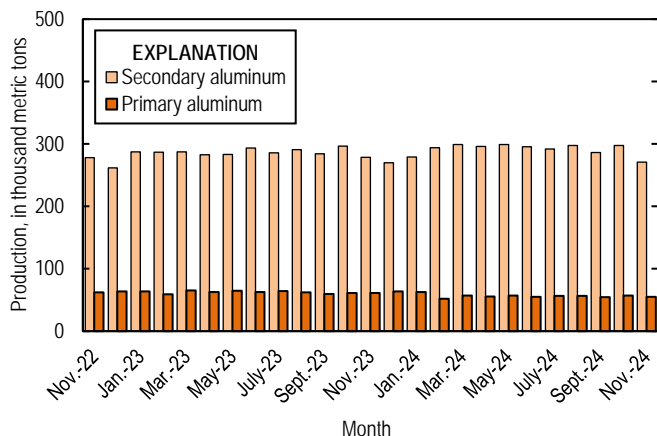


Figure 1. Monthly domestic primary and secondary aluminum production from November 2022 through November 2024.

Prices and Stocks

The November 2024 average U.S. spot market price of primary aluminum ingot was \$1.39 per pound, slightly more than that in October 2024, 17% more than that in November 2023, and 10% more than that in November 2022. The average cash price in November 2024 of primary aluminum ingot on the London Metal Exchange (LME) was \$1.17 per pound, compared with \$1.18 per pound in October 2024, 17% more than that in November 2023, and 11% more than that in November 2022 (fig. 2, table 6).

Inventories of primary aluminum in LME-approved warehouses, including off-warrant inventories, in the United

States were 13,886 t at the end of November 2024, 26% more than those at the end of October 2024. Inventories of aluminum alloy (North American Special Aluminum Alloy Contract) in LME-approved warehouses, including off-warrant inventories, in the United States were 431 t at the end of November 2024, unchanged from those at the end of October 2024 (London Metal Exchange Ltd., 2024a, b).

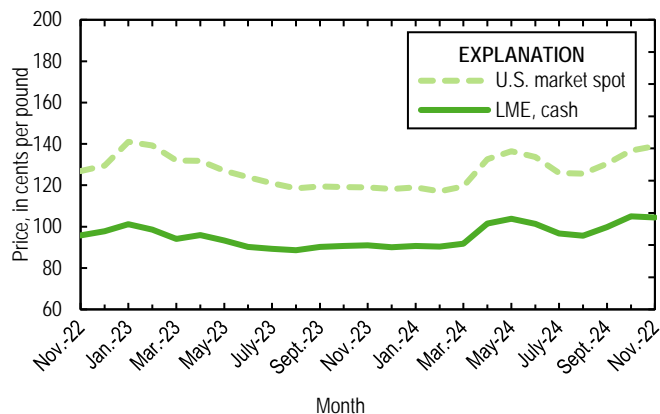


Figure 2. Average monthly prices for primary aluminum from November 2022 through November 2024. Source: S&P Global Platts Metals Week.

Update

United States.—On January 12, Steel Dynamics, Inc. (Fort Wayne, IN), began casting industrial and beverage can ingots at its newly constructed Cast Complex #1. The cast house is part of a 650,000-metric-ton-per-year rolling mill facility under construction in Columbus, MS, which was expected to begin production of flat-rolled aluminum products in June 2025. The facility was expected to manufacture products for the automotive, alloy, and beverage industries (Steel Dynamics, Inc., 2025; Sullivan, 2025).

References Cited

London Metal Exchange Ltd., 2024a, Off-warrant stock reporting: London, United Kingdom, London Metal Exchange Ltd. (Accessed January 28, 2025, via <https://www.lme.com/en/Market-data/Reports-and-data/Warehouse-and-stocks-reports/Off-warrant-stock-reporting>.)

London Metal Exchange Ltd., 2024b, Stocks breakdown report: London, United Kingdom, London Metal Exchange Ltd. (Accessed January 28, 2025, via <https://www.lme.com/Market-data/Reports-and-data/Warehouse-and-stocks-reports/Stock-breakdown-report>.)

Steel Dynamics, Inc., 2025, Steel Dynamics reports fourth quarter and annual 2024 results: Fort Wayne, IN, Steel Dynamics, Inc. press release, January 22. (Accessed January 29, 2025, at <https://ir.steeldynamics.com/steel-dynamics-reports-fourth-quarter-and-annual-2024-results/>.)

Sullivan, Cole, 2025, SDI casts first aluminum at new plant: Argus Media group, Argus Metals International, January 23. (Accessed January 29, 2025, via <http://www.argusmedia.com/metals/>.)

A worksheet has been added to the Excel table files that includes a button to remove text and numerical footnotes from data cells. This will allow users to only have numbers in data cells. Please see the worksheet titled “RemoveTextButton” for instructions on how to use the tool. Note: you must download the excel file to use the tool.

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Table 1. Components of aluminum supply.

[Data are rounded to no more than three significant digits, except "Primary production"; may not add to totals shown. Data are in thousand metric tons. Revised data are marked with a superscript "r". NA, not available.]

Period	Primary production	Secondary recovery ¹			Imports for consumption			Total new supply ²	Stocks, end of period ³
		New	Old	Total	Metals and alloys, crude	Plates, sheets, bars, etc.	Total		
2023									
Total	750	1,860	1,560	3,430	3,810	1,000 ^r	4,810 ^r	8,990 ^r	1,820
November	61	154	125	278	277	81	358	698 ^r	1,780
December	64	150	119	270	311	86	397	730 ^r	1,820
January–November	686	1,710 ^r	1,440 ^r	3,160 ^r	3,500	916	4,420	8,260 ^r	1,820
2024									
January	63	158	121	279	297	98	395	737	1,780
February	52	162	132	294	344	98	442	788	1,770
March	57	165	134	299	270	96	366	722	1,730
April	55	163	133	296	330	113	443	795 ^r	1,720
May	57	166	132	299	270	120	390	746	1,800
June	55	163	133	295	340	106	446	796	1,690
July	57	159	133	292	293	113	406	754 ^r	1,690
August	56	166	132	297	268	94	362	716 ^r	1,800
September	55	160	126	286	332	94	426	766	1,660 ^r
October	57	167	131	298	297	96	393	748	1,680
November	55	152	118	271	263	110	373	699	NA
January–November	619	1,780	1,420	3,210	3,300	1,140	4,440	8,270	NA

¹Metallic recovery from purchased, tolled, or imported scrap, expanded for full coverage of industry.

²Primary production, secondary recovery, and imports for consumption.

³Inventory levels reflect total for U.S. and Canadian producers; data from the Aluminum Association Inc.

Table 2. Estimated full coverage consumption of and metallic recover from purchased new and old aluminum scrap.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in thousand metric tons. Revised data are marked with a superscript "r".]

Period	Secondary smelters		Independent mill fabricators		Foundries		Other consumers		Total	
	Consumption	Metal recovery	Consumption	Metal recovery	Consumption	Metal recovery	Consumption	Metal recovery	Consumption	Metal recovery
2023										
Total	2,520	1,880	1,590	1,450	101	93	3	3	4,210	3,430
November	210	157	124	113	8	8	(¹)	(¹)	343	278
December	206	154	119	108	8	8	(¹)	(¹)	333	270
January–November	2,310 ^r	1,730 ^r	1,470	1,340	93 ^r	85 ^r	3	3	3,880 ^r	3,160 ^r
2024										
January	206	155	127	116	8	8	(¹)	(¹)	342	279
February	209	158	141	128	8	8	(¹)	(¹)	359	294
March	213	159	145	132	8	8	(¹)	(¹)	367	299
April	214	160	141	128	8	8	(¹)	(¹)	364	296
May	209	156	148	135	8	8	(¹)	(¹)	365	299
June	208	156	144	131	8	8	(¹)	(¹)	361	295
July	208	154	142	129	8	8	(¹)	(¹)	359	292
August	207	154	148	135	8	8	(¹)	(¹)	364	297
September	210	155	134	122	8	8	(¹)	(¹)	353	286
October	213	157	145	132	8	8	(¹)	(¹)	366	298
November	205	153	121	110	8	8	(¹)	(¹)	335	271
January–November	2,300	1,720	1,540	1,400	93	85	3	3	3,930	3,210

¹Less than ½ unit.

Table 3. Consumption of and recovery from purchased new and old aluminum scrap in November 2024.

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

Aluminum scrap	Consumption (metric tons)		Calculated metallic recovery (metric tons)	
	Tabulated reports	Estimated full coverage	Tabulated reports	Estimated full coverage
Secondary smelters	171,000	205,000	127,000	153,000
Independent mill fabricators	109,000	121,000	99,900	110,000
Foundries	7,040	8,450	6,440	7,730
Other consumers	242	290	242	290
Total	288,000	335,000	234,000	271,000

Table 4. Purchased and toll-treated aluminum-base scrap in November 2024.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons.]

Aluminum-base scrap	November			January–November		
	Stocks, opening ¹	Net receipts ²	Melted or consumed	Stocks, closing	Net receipts ²	Melted or consumed
New scrap						
Extrusions	18,800	43,100	43,100	18,800	497,000	496,000
Can stock clippings	96,400	26,500	26,500	96,400	338,000	338,000
Other wrought sheet/clippings	156,000	37,300	36,500	156,000	441,000	441,000
Castings	20,400	6,260	6,260	20,400	57,300	57,300
Borings and turnings	41,500	11,400	11,400	41,500	126,000	126,000
Dross and skimmings ³	340,000	48,000	48,000	340,000	530,000	530,000
Total new scrap	673,000	173,000	172,000	674,000	1,990,000	1,990,000
Old scrap						
Used castings	24,700	27,200	27,200	24,700	304,000	304,000
Used extrusions	15,600	13,200	13,200	15,600	145,000	145,000
Used cans (shredded, loose, baled)	73,600	40,600	40,600	73,600	533,000	533,000
Other wrought products	36,700	23,100	23,100	36,700	284,000	284,000
Fragmentized shredder (auto shredder)	3,500	12,000	12,000	3,500	135,000	135,000
Total old scrap	154,000	116,000	116,000	154,000	1,400,000	1,400,000
Grand total, all classes	827,000	289,000	288,000	828,000	3,390,000	3,390,000

¹May include revisions to previously published data.²Includes data on imported aluminum-base scrap.³Gross volume of dross and skimmings. Recoverable aluminum content ranges from 15% to 50% of gross weight.

Table 5. Aluminum alloys produced at secondary smelters in the United States in November 2024.

[Data are rounded to no more than three significant digits; may not add to totals shown. Excludes integrated aluminum companies. Data are in metric tons. —, not applicable.]

Aluminum alloys	November			January–November		
	Stocks, opening ¹	Production	Net shipments	Stocks, closing	Production	Net shipments
Die-cast alloys						
13% Si, 360, etc. (0.6% Cu, max.)	4,370	2,700	2,700	4,370	29,700	27,300
380 and variations	7,750	17,600	17,600	7,750	194,000	191,000
Sand and permanent mold						
95/5 Al-Si, 356, etc. (0.6% Cu, max.)	1,940	2,130	2,130	1,940	23,400	23,400
No. 319 and variations	1,200	1,390	1,390	1,200	15,300	15,300
F-132 alloy and variations	89	233	233	89	2,560	2,560
Al-Zn alloys	339	71	71	339	780	780
Al-Si alloys (0.6% to 2.0% Cu)	230	195	195	230	2,140	2,140
Al-Cu alloys (1.5% Si, max.)	139	724	724	139	7,970	7,970
Other ²	3,740	4,450	4,450	3,740	48,900	48,900
Other						
Wrought alloys, extrusion billets	14,600	61,900	61,900	14,600	672,000	672,000
Total all alloys	34,400	91,400	91,400	34,400	997,000	991,000
Less						
Primary aluminum consumed	—	15,200	—	—	167,000	—
Primary silicon consumed	—	1,600	—	—	17,600	—
Other alloying ingredients consumed	—	839	—	—	9,230	—
Other						
Net metallic recovery from aluminum scrap consumed in production of secondary aluminum ingot ³	—	73,800	—	—	803,000	—

¹May include revisions to previously published data.

²Includes alloys No. 12, Al-Mg, Al-Zn, Al-Cu, Al-Si-Cu-Ni, aluminum-base hardeners, variations of these alloys, plus other aluminum alloys.

³No 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.

[Data are in cents per pound. Source: S&P Global Platts Metals Week.]

Period	Midwest U.S. market price	LME cash price Grade A
2023		
November	119.011	99.877
December	118.250	98.610
January–December	125.863	102.113
2024		
January	118.966	99.514
February	117.083	98.984
March	119.438	100.791
April	132.536	113.285
May	136.524	116.334
June	133.738	113.154
July	125.870	107.137
August	125.571	105.865
September	130.393	111.185
October	136.848	117.840
November	138.940	117.150
January–November	128.719	109.204

Table 7. Average buying prices for aluminum scrap.
 [Data are in cents per pound. Source: Fastmarkets–AMM.]

Period	Used beverage cans	Mixed low copper clips	Old sheet	Old cast	Turnings (clean and dry)
2023					
November	69.50	68.00	69.50	69.40	61.60
December	70.38	68.25	68.88	69.75	65.50
January–December	73.84	68.35	69.03	70.37	59.88
2024					
January	74.13	69.13	70.25	72.13	68.63
February	76.00	69.90	71.80	73.80	71.40
March	78.00	71.13	73.00	78.00	72.50
April	87.88	73.00	76.25	79.50	74.63
May	92.60	78.60	82.60	82.00	80.20
June	94.50	79.50	82.25	82.00	82.00
July	92.50	77.25	81.50	83.00	82.50
August	90.90	76.50	77.00	79.50	80.10
September	99.00	76.25	77.00	78.00	77.13
October	104.00	77.20	78.20	79.10	76.90
November	104.25	80.50	81.75	81.00	78.25
January–November	90.34	75.36	77.42	78.91	76.75

Table 8. U.S. imports for consumption of aluminum in November 2024.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons. Source: U.S. Census Bureau.]

Country or locality	Metals and alloys, crude		Plates, sheets, bars ¹		Scrap		Total	
	November	January–November	November	January–November	November	January–November	November	January–November
Argentina	3,770	142,000	50	71	0	0	3,820	142,000
Australia	10,000	78,900	12	335	0	0	10,100	79,200
Austria	0	5	2,820	24,500	3	36	2,820	24,600
Bahrain	17,200	101,000	6,830	42,800	0	0	24,000	143,000
Belgium	0	122	1,320	18,900	96	283	1,420	19,300
Brazil	0	5	745	28,700	492	6,420	1,240	35,100
Canada	200,000	2,520,000	15,700	203,000	32,800	373,000	249,000	3,100,000
Chile	0	0	0	19	151	2,120	151	2,140
China ²	7	558	13,300	145,000	37	319	13,300	146,000
Colombia	0	0	247	4,700	843	7,280	1,090	12,000
Costa Rica	0	0	33	618	145	1,390	178	2,010
France	1,110	9,620	374	7,350	19	197	1,500	17,200
Germany	0	510	1,370	16,900	912	7,520	2,290	25,000
Greece	0	0	2,520	35,100	5	113	2,530	35,200
Guatemala	0	0	0	20	1,210	11,500	1,210	11,500
Honduras	0	0	236	7,540	245	1,380	480	8,920
India	4,020	59,100	2,730	29,100	0	(³)	6,750	88,200
Indonesia	483	1,300	522	11,100	0	0	1,010	12,400
Italy	0	2,940	1,000	12,600	0	60	1,000	15,600
Japan	0	4	1,140	14,300	147	580	1,280	14,800
Korea, Republic of	367	7,080	18,900	166,000	0	27	19,300	173,000
Malaysia	0	0	863	13,400	0	2	863	13,400
Mexico	336	3,760	3,850	49,200	21,700	206,000	25,900	259,000
Netherlands	77	1,170	14	837	0	93	90	2,100
New Zealand	468	4,490	0	3	0	0	468	4,490
Norway	0	2,400	1,020	9,080	0	0	1,020	11,500
Oman	148	148	11,100	60,300	0	0	11,300	60,500
Qatar	1,340	38,900	3	28	0	0	1,340	38,900
Romania	0	0	266	1,430	0	224	266	1,660
Russia	0	0	0	26	0	0	0	26
Saudi Arabia	0	0	3,210	11,000	0	0	3,210	11,000
South Africa	0	121	3,070	14,100	0	101	3,070	14,400
Spain	116	2,650	1,540	13,200	47	279	1,710	16,100
Sweden	0	0	765	10,100	0	0	765	10,100
Switzerland	0	0	43	4,220	0	0	43	4,220
Taiwan	12	194	265	3,140	1	75	278	3,410
Thailand	88	1,920	3,000	29,200	0	14	3,090	31,100
Turkey	130	702	1,760	26,000	0	0	1,890	26,700
United Arab Emirates	23,200	319,000	436	3,150	49	150	23,700	322,000
United Kingdom	18	145	932	10,900	230	707	1,180	11,800
Vietnam	0	0	1,410	33,800	0	10	1,410	33,800
Other	0	80	6,210	76,200	1,680	21,800	7,880	98,000
Total	263,000	3,300,000	110,000	1,140,000	60,800	641,000	433,000	5,080,000

¹Includes castings, forgings, and unclassified semifabricated forms.²Includes Hong Kong.³Less than ½ unit.

Table 9. U.S. exports of aluminum in November 2024.

[Data are rounded to no more than three significant digits; may not add to totals shown. Data are in metric tons. Source: U.S. Census Bureau.]

Country or locality	Metals and alloys, crude		Plates, sheets, bars ¹		Scrap		Total	
	November	January–November	November	January–November	November	January–November	November	January–November
Australia	3	541	217	1,800	0	0	220	2,340
Belgium	0	2	137	2,150	1,540	8,510	1,670	10,700
Brazil	(²)	2	242	3,060	401	3,890	644	6,960
Canada	4,820	60,700	9,840	269,000	9,720	120,000	24,400	450,000
China ³	478	3,270	1,050	12,000	35,500	221,000	37,000	236,000
Colombia	0	101	57	460	86	615	143	1,180
Dominican Republic	0	(²)	6	341	451	5,190	457	5,530
France	554	5,620	1,070	9,960	139	2,170	1,770	17,700
Germany	95	3,670	516	5,190	235	1,890	846	10,800
Guatemala	0	1	3	97	0	0	3	98
India	255	1,330	216	4,170	32,500	379,000	33,000	384,000
Indonesia	18	54	3	53	8,980	50,100	9,000	50,200
Ireland	0	2	111	328	0	806	111	1,140
Israel	3	20	807	7,350	0	0	810	7,370
Italy	(²)	145	133	2,030	234	6,440	368	8,620
Jamaica	0	7	6	90	0	0	6	97
Japan	267	1,790	1,180	12,600	2,960	27,700	4,410	42,100
Korea, Republic of	149	2,880	1,420	22,600	17,000	214,000	18,600	240,000
Malaysia	27,300	314,000	180	3,440	25,300	335,000	52,700	652,000
Mexico	12,000	163,000	21,700	287,000	10,400	129,000	44,000	579,000
Netherlands	4	486	17	412	900	7,260	921	8,160
New Zealand	0	10	76	597	0	0	76	608
Norway	0	91	4	21	0	621	4	733
Pakistan	72	1,410	(²)	11	1,640	18,200	1,720	19,600
Panama	0	6	8	37	0	0	8	43
Philippines	0	164	40	294	0	903	40	1,360
Poland	0	15	137	1,080	(²)	23	137	1,120
Romania	(²)	(²)	93	1,160	0	0	93	1,160
Saudi Arabia	1	3	25	224	0	0	25	227
Singapore	14	2,330	155	1,400	0	200	169	3,930
Spain	26	39	201	1,860	1,460	8,030	1,680	9,930
Taiwan	180	487	419	3,600	3,220	34,800	3,820	38,900
Thailand	1,980	8,860	95	1,010	40,000	313,000	42,000	323,000
Turkey	0	6	269	3,620	58	757	327	4,380
United Arab Emirates	(²)	73	28	518	38	2,100	67	2,690
United Kingdom	12	80	545	7,930	94	835	651	8,840
Vietnam	54	957	168	1,150	1,920	17,600	2,140	19,700
Other	140	1,630	466	4,140	1,150	12,900	1,760	18,600
Total	48,400	573,000	41,600	673,000	196,000	1,920,000	286,000	3,170,000

¹Includes castings, forgings, and unclassified semifabricated forms.²Less than ½ unit.³Includes Hong Kong.