

# Mineral Industry Surveys

**For information, contact:**

E. Lee Bray, Aluminum Commodity Specialist  
 National Minerals Information Center  
 U.S. Geological Survey  
 989 National Center  
 Reston, VA 20192  
 Telephone: (703) 648-4979, Fax: (703) 648-7757  
 Email: lbray@usgs.gov

Susan M. Weaver (Data)  
 Telephone: (703) 648-7979  
 Fax: (703) 648-7995  
 Email: sweaver@usgs.gov

**Internet:** <https://www.usgs.gov/centers/nmic>

## ALUMINUM IN FEBRUARY 2021

Domestic primary aluminum production in February 2021 was 69,000 metric tons (t). The average daily production in February 2021 was 2,470 t, slightly less than that in January 2021, 18% less than that in February 2020, and 20% less than that in February 2019 (fig. 1, table 1).

Total aluminum recovered from scrap in February 2021 was 248,000 t, 3% less than the revised total in January 2021, 10% less than the revised amount in February 2020, and 9% less than that in February 2019. Of this, 132,000 t of aluminum was recovered from new scrap, and 117,000 t was recovered from old scrap (fig. 1, table 1).

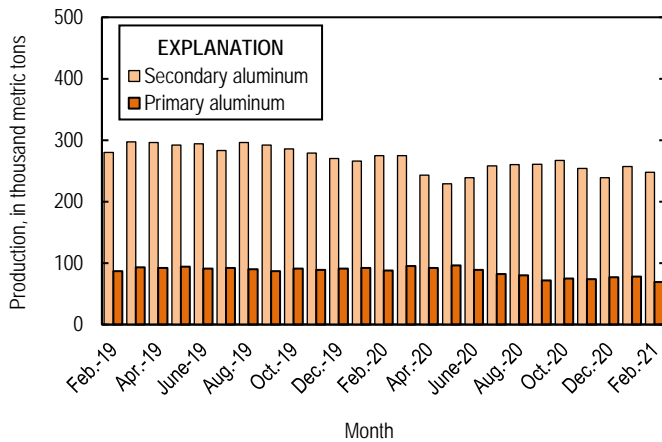


Figure 1. Monthly domestic primary and secondary aluminum production from February 2019 through February 2021.

**Prices and Stocks**

The February 2021 average U.S. spot market price of primary aluminum ingot was \$1.10 per pound, 4% more than that in January 2021, 21% more than that in February 2020, and 5% more than that in February 2019. The average cash price in February 2021 of primary aluminum ingot on the London Metal Exchange (LME) was \$0.943 per pound, 4% more than that in January 2021, 23% more than that in February 2020, and 12% more than that in February 2019 (fig. 2, table 6).

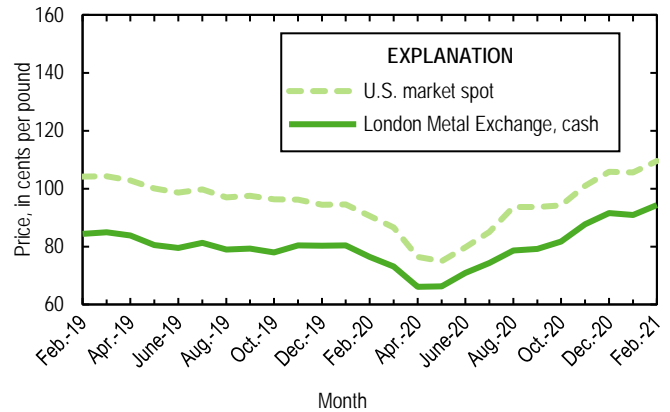


Figure 2. Average monthly prices for primary aluminum from February 2019 through February 2021. Source: S&P Global Platts Metals Week.

Inventories of primary aluminum in LME-approved warehouses, including off-warrant inventories, in the United States decreased to 195,873 t at the end of February 2021 from 204,948 t at the end of January 2021. Inventories of secondary aluminum (North American Secondary Aluminum Alloy Contract) in LME-approved warehouses, including off-warrant inventories, in the United States decreased to 21,102 t at the end of February 2021 from 23,183 t at the end of January 2021 (London Metal Exchange Ltd., 2021a-d).

**Update**

On March 31, the US International Trade Commission issued its final determinations of antidumping investigations of common alloy aluminum sheet imports from 16 countries and countervailing duty investigations of the imports from three countries. The antidumping investigations determined that imports of common alloy aluminum sheet produced in Bahrain, Brazil, Croatia, Egypt, Germany, India, Indonesia, Italy, Oman, Romania, Serbia, Slovenia, South Africa, Spain, Taiwan, and Turkey were sold below fair market value and antidumping duty rates were set on those imports. The countervailing duty

investigations determined that common alloy aluminum sheet producers in Bahrain, India, and Turkey also benefited from government subsidy programs, and final countervailing duty rates were set. The U.S. Department of Commerce issued its final determinations of the investigations on March 4. (See Aluminum in January 2021.) The Aluminum Association Inc. filed a complaint in March 2020 alleging that the imports from these countries were sold in the United States below market values (Coyne, 2021; Roh, 2021).

On March 25, Century Aluminum Co. finalized a power supply contract with the South Carolina Public Service Authority (Santee Cooper) for its smelter in Mount Holly, SC. The contract would be effective from April 1, 2021 to December 31, 2023 and provide a minimum of 290 megawatts of power. The contract would supply enough power to restart approximately 57,000 metric tons per year (t/yr) of capacity that was shut down in December 2015. The restart of capacity would be completed by yearend 2021. The smelter was producing at approximately 115,000 t/yr of its 230,000 t/yr capacity prior to the signing of the power contract (Century Aluminum Co., 2021).

Century also announced that equipment issues at the Hawesville, KY, smelter related to severe weather in December 2020 were resolved in February. The 250,000-t/yr smelter had been producing at a rate of approximately 200,000 t/yr prior to the shutdown of some capacity. By the end of March, the affected capacity was being restarted and was expected to be producing by the end of April. Century said that shipments in 2021 from the Hawesville smelter would be about 20,000 t to 25,000 t less than originally planned (Century Aluminum Co., 2021).

Alcoa Corp. completed the sale of the Warrick rolling mill in Evansville, IN, to Kaiser Aluminum Corp. on March 31. Alcoa retained ownership of the 269,000-t/yr Warrick primary aluminum smelter but would supply molten aluminum to Kaiser. The rolling mill would continue to produce can sheet (Alcoa Corp., 2021; Kaiser Aluminum Corp., 2021).

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TABLE 1  
COMPONENTS OF ALUMINUM SUPPLY<sup>1</sup>

(Thousand metric tons)

Period	Primary production	Secondary recovery <sup>2</sup>			Imports for consumption			Total new supply <sup>3</sup>	Stocks, end of period <sup>4</sup>
		New	Old	Total	Metals and alloys, crude	Plates, sheets, bars, etc.	Total		
2020 <sup>p</sup>	1,012	1,650	1,420	3,070	3,270	1,050	4,320	8,390 <sup>r</sup>	1,490
2020:									
February	88	154 <sup>r</sup>	121	275 <sup>r</sup>	261	93	354	717 <sup>r</sup>	1,580
March	95	151 <sup>r</sup>	124	275 <sup>r</sup>	308	102	410	780	1,590
April	92	126 <sup>r</sup>	117	243	338	87	425	760	1,590
May	96	122	107	229	316	80	396	721	1,530
June	89	126	113	239	262	88	350	678 <sup>r</sup>	1,430
July	82	139	118	258	253	84	337	677	1,410
August	80	138	122	260	270	85	355	695	1,410
September	72	141	120	261	214	79	293	626	1,400
October	75	143	124	267	231	80	311	653 <sup>r</sup>	1,450
November	74	135	119	254	241	80	321	649	1,430
December	77	125	114	239	229	78	307	623 <sup>r</sup>	1,490
January–February	180	299 <sup>r</sup>	243 <sup>r</sup>	541 <sup>r</sup>	608 <sup>r</sup>	204 <sup>r</sup>	812 <sup>r</sup>	1,530 <sup>r</sup>	1,490 <sup>r</sup>
2021:									
January	78	135	123	257 <sup>r</sup>	250	84	334	669	1,460
February	69	132	117	248	243	81	324	641	NA
January–February	147	267	240	506	493	165	658	1,310	NA

<sup>p</sup>Preliminary. <sup>r</sup>Revised. NA Not available.

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

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

<sup>3</sup>Primary production, secondary recovery, and imports for consumption.

<sup>4</sup>Inventory levels reflect total for 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 SCRAP<sup>1</sup>

(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
	2020 <sup>p</sup>	2,030	1,570	1,540	1,410	91	84	4	4	3,670
2020:										
February	173 <sup>r</sup>	133 <sup>r</sup>	145	134	8	8	(2)	(2)	328	275 <sup>r</sup>
March	175 <sup>r</sup>	134 <sup>r</sup>	147	135	6	5	(2)	(2)	329 <sup>r</sup>	275 <sup>r</sup>
April	167	129 <sup>r</sup>	119	108	6	5	(2)	(2)	292	243
May	159	124 <sup>r</sup>	108	99 <sup>r</sup>	6	5	(2)	(2)	273 <sup>r</sup>	229
June	160 <sup>r</sup>	125 <sup>r</sup>	118	108	6	5	(2)	(2)	285	239
July	166 <sup>r</sup>	129	132	121 <sup>r</sup>	8	8	(2)	(2)	307 <sup>r</sup>	258
August	168	130 <sup>r</sup>	133	121	8	8	(2)	(2)	310	260
September	171 <sup>r</sup>	132 <sup>r</sup>	132	121	8	8	(2)	(2)	312 <sup>r</sup>	261
October	174	134 <sup>r</sup>	136	125 <sup>r</sup>	8	8	(2)	(2)	319	267
November	170 <sup>r</sup>	131	126	115 <sup>r</sup>	8	8	(2)	(2)	305	254
December	170	130 <sup>r</sup>	111	100	8	8	(2)	(2)	289 <sup>r</sup>	239
January–February	347 <sup>r</sup>	267 <sup>r</sup>	281	258	17	15	1	1	646 <sup>r</sup>	541 <sup>r</sup>
2021:										
January	175	133	128	116	8	8	(2)	(2)	311 <sup>r</sup>	257 <sup>r</sup>
February	167	131	120	109	8	8	(2)	(2)	296	248
January–February	342	264	248	225	16	16	1	1	607	506

<sup>p</sup>Preliminary. <sup>r</sup>Revised.

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

<sup>2</sup>Less than ½ unit.

TABLE 3  
 CONSUMPTION OF AND RECOVERY FROM PURCHASED  
 NEW AND OLD ALUMINUM SCRAP IN FEBRUARY 2021<sup>1</sup>

(Metric tons)

	Consumption		Calculated metallic recovery	
	Tabulated reports	Estimated full coverage	Tabulated reports	Estimated full coverage
Secondary smelters	140,000	167,000	109,000	131,000
Independent mill fabricators	107,000	120,000	98,100	109,000
Foundries	7,040	8,450	6,440	7,730
Other consumers	273	328	273	328
Total	254,000	296,000	214,000	248,000

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

TABLE 4  
PURCHASED AND TOLL-TREATED ALUMINUM-BASE SCRAP IN FEBRUARY 2021<sup>1</sup>

(Metric tons)

	February				January–February <sup>2</sup>	
	Stocks, opening <sup>2</sup>	Net receipts <sup>3</sup>	Melted or consumed	Stocks, closing	Net receipts <sup>3</sup>	Melted or consumed
<b>New scrap:</b>						
Extrusion	19,200	35,400	35,400	19,100	69,200	69,200
Can stock clippings	5,400	26,700	25,400	6,720	53,500	52,400
Other wrought sheet/clippings	7,440	31,000	32,800	5,590	62,100	66,200
Casting	3,820	5,430	5,430	3,820	11,000	11,000
Borings and turnings	4,830	11,900	11,900	4,820	23,600	23,500
Dross and skimmings	13,300	30,000	30,000	13,300	66,300	66,300
Total new scrap	54,000	140,000	141,000	53,400	286,000	289,000
<b>Old scrap:</b>						
Used castings	8,080	26,500	26,500	8,080	53,500	53,500
Used extrusion	8,020	16,900	16,900	8,020	33,800	33,800
Used cans (shredded, loose, baled)	8,030	35,500	35,300	8,250	76,000	76,100
Other wrought products	7,520	20,900	22,600	5,820	40,200	45,400
Fragmentized shredder (auto shredder)	4,210	12,100	12,100	4,190	23,800	24,000
Total old scrap	35,900	112,000	113,000	34,400	227,000	233,000
Total all classes	89,900	252,000	254,000	87,700	513,000	521,000

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

<sup>2</sup>May include revisions to previously published data.

<sup>3</sup>Includes data on imported aluminum-base scrap.

TABLE 5  
ALUMINUM ALLOYS PRODUCED AT SECONDARY SMELTERS IN THE UNITED  
STATES IN FEBRUARY 2021<sup>1,2</sup>

(Metric tons)

	February			January–February		
	Stocks, opening <sup>3</sup>	Production	Net shipments	Stocks, closing	Production	Net shipments
<b>Die-cast alloys:</b>						
13% Si, 360, etc. (0.6% Cu, max.)	2,760	2,600	2,600	2,760	5,210	5,210
380 and variations	6,430	18,900	18,900	6,430	37,800	37,800
<b>Sand and permanent mold:</b>						
95/5 Al-Si, 356, etc. (0.6% Cu, max.)	2,120	2,850	2,850	2,120	5,700	5,700
No. 319 and variations	2,000	2,430	2,430	2,000	4,860	4,860
F-132 alloy and variations	128	198	198	128	396	396
Al-Zn alloys	37	29	29	37	57	57
Al-Si alloys (0.6% to 2.0% Cu)	143	186	186	143	373	373
Al-Cu alloys (1.5% Si, max.)	423	297	297	423	594	594
Other <sup>4</sup>	7,630	7,870	7,870	7,630	15,700	15,700
Wrought alloys, extrusion billets	10,100	53,100	53,100	10,100	106,000	106,000
<b>Total all alloys</b>	<b>31,800</b>	<b>88,500</b>	<b>88,500</b>	<b>31,800</b>	<b>177,000</b>	<b>177,000</b>
<b>Less:</b>						
Primary aluminum consumed	XX	15,600	XX	XX	31,200	XX
Primary silicon consumed	XX	1,690	XX	XX	3,380	XX
Other alloying ingredients consumed	XX	733	XX	XX	1,470	XX
Net metallic recovery from aluminum scrap consumed in production of secondary aluminum ingot <sup>5</sup>						
	XX	70,500	XX	XX	141,000	XX

XX Not applicable.

<sup>1</sup>Excludes integrated aluminum companies.

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

<sup>3</sup>May include revisions to previously published data.

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

<sup>5</sup>No 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
2020:		
February	90.540	76.451
March	86.591	73.070
April	76.450	66.095
May	74.961	66.215
June	79.682	70.943
July	85.022	74.360
August	93.613	78.648
September	93.627	79.167
October	94.236	81.774
November	100.921	87.639
December	105.798	91.531
January–December	89.666	77.187
2021:		
January	105.638 <sup>†</sup>	90.891
February	109.548	94.329
January–February	107.593	92.610

<sup>†</sup>Revised.

Source: S&P Global Platts Metals Week.

TABLE 7  
AVERAGE BUYING PRICES FOR ALUMINUM SCRAP

(Cents per pound)

Month	Used beverage cans	Mixed low copper clips	Old sheet	Old cast	Turnings (clean and dry)
2020:					
February	51.66	42.16	39.29	39.24	33.82
March	50.02	41.80	38.95	39.95	35.18
April	40.79	37.12	32.45	34.17	30.21
May	39.80	36.80	32.35	33.80	29.25
June	44.77	37.50	35.39	35.77	29.91
July	47.45	40.09	37.86	37.20	31.23
August	48.40	42.69	40.52	39.60	34.64
September	50.93	46.10	43.90	43.60	37.88
October	52.18	48.18	46.73	47.00	40.55
November	56.55	51.45	51.42	51.76	46.06
December	62.82	58.86	58.02	57.50	50.41
January–December	49.90	43.57	41.19	41.39	35.73
2021:					
January	65.00	64.50 <sup>r</sup>	61.50 <sup>r</sup>	63.00 <sup>r</sup>	59.00 <sup>r</sup>
February	67.50	65.63	64.50	65.50	64.00
January–February	66.25	65.07	63.00	64.25	61.50

<sup>r</sup>Revised.

Source: Fastmarket-AMM.

TABLE 8  
U.S. IMPORTS FOR CONSUMPTION OF ALUMINUM IN FEBRUARY 2021<sup>1</sup>

(Metric tons)

Country or locality	Metals and alloys, crude		Plates, sheets, bars, etc		Scrap		Total	
	February	January– February	February	January– February	February	January– February	February	January– February
Argentina	--	9,300	--	3	--	--	--	9,300
Australia	8,500	17,100	60	112	--	--	8,560	17,200
Austria	--	--	2,010	3,700	--	1	2,010	3,700
Bahrain	8,800	21,000	1,790	1,790	--	--	10,600	22,800
Belgium	45	55	1,050	2,280	--	--	1,100	2,340
Brazil	--	--	5	5	1,110	1,110	1,120	1,120
Canada	185,000	351,000	18,900	39,000	29,300	63,500	234,000	453,000
Chile	--	--	--	--	103	397	103	397
China	588	889	10,000	17,000	20	42	10,600	17,900
Colombia	--	--	502	980	681	1,120	1,180	2,100
Costa Rica	--	--	--	17	281	493	281	510
France	50	160	237	790	7	59	294	1,010
Germany	201	238	2,560	5,790	234	639	2,990	6,670
Greece	--	--	1,430	2,630	--	--	1,430	2,630
Guatemala	--	--	14	14	1,360	2,080	1,370	2,100
Honduras	--	--	484	984	10	21	494	1,010
Hong Kong	(2)	(2)	217	620	--	--	217	620
India	4,810	10,400	740	1,430	--	--	5,550	11,800
Indonesia	--	--	1,340	3,230	--	--	1,340	3,230
Italy	--	--	1,340	2,760	--	--	1,340	2,760
Japan	--	--	2,040	5,240	907	1,340	2,950	6,580
Korea, Republic of	1,150	2,140	1,400	3,000	31	38	2,580	5,180
Malaysia	--	--	812	1,880	--	--	812	1,880
Mexico	1,060	1,060	3,840	8,140	13,500	28,000	18,400	37,200
Netherlands	(2)	3	95	401	117	187	212	590
New Zealand	--	320	2	3	--	--	2	323
Norway	--	58	647	1,510	--	--	647	1,570
Oman	--	--	5,780	9,930	--	--	5,780	9,930
Qatar	6,200	11,700	--	--	--	--	6,200	11,700
Romania	--	--	508	1,140	--	--	508	1,140
Russia	139	21,200	1,080	2,740	--	--	1,220	24,000
Saudi Arabia	--	--	4,100	9,370	--	--	4,100	9,370
South Africa	--	--	654	2,790	--	--	654	2,790
Spain	69	108	945	4,080	506	729	1,520	4,910
Sweden	--	--	821	1,350	--	--	821	1,350
Switzerland	1	1	618	1,100	--	--	619	1,100
Taiwan	--	(2)	626	1,570	1	3	627	1,580
Thailand	--	69	2,730	5,080	70	70	2,800	5,220
Turkey	--	--	3,310	5,200	--	--	3,310	5,200
United Arab Emirates	26,100	46,600	--	382	--	--	26,100	47,000
United Kingdom	(2)	(2)	302	455	481	867	783	1,320
Vietnam	--	--	2,190	4,570	--	--	2,190	4,570
Other	24	24	5,490	11,800	1,490	2,820	7,010	14,600
Total	243,000	493,000	80,700	165,000	50,100	103,000	374,000	762,000

-- Zero.

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

<sup>2</sup>Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 9  
U.S. EXPORTS OF ALUMINUM IN FEBRUARY 2021<sup>1</sup>

(Metric tons)

Country or locality	Metals and alloys, crude		Plates, sheets, bars, etc.		Scrap		Total	
	February	January– February	February	January– February	February	January– February	February	January– February
Australia	116	177	82	138	121	121	319	436
Belgium	--	1	26	52	65	222	91	275
Brazil	1	6	97	168	852	1,080	950	1,250
Canada	4,770	10,800	23,500	48,700	6,330	13,000	34,600	72,500
China	51	385	956	1,600	2,780	4,670	3,780	6,650
Colombia	--	--	107	173	39	58	146	232
Dominican Republic	--	--	38	98	91	353	129	450
France	7	25	438	780	38	78	483	882
Germany	2	2	246	477	140	680	388	1,160
Guatemala	--	--	6	7	--	--	6	7
Hong Kong	243	243	136	160	20,300	40,600	20,700	41,000
India	3	46	73	136	27,200	51,300	27,300	51,500
Indonesia	--	--	1	3	6,770	14,200	6,770	14,300
Ireland	13	13	70	97	--	--	83	110
Israel	--	(2)	1,140	1,840	--	--	1,140	1,840
Italy	(2)	(2)	56	107	353	429	409	536
Jamaica	--	--	2	5	--	--	2	5
Japan	8	24	219	470	1,740	3,990	1,970	4,480
Korea, Republic of	198	218	881	2,360	22,400	45,300	23,500	47,900
Malaysia	--	(2)	350	661	36,700	68,900	37,100	69,600
Mexico	9,380	17,900	21,800	45,700	14,400	27,500	45,600	91,000
Netherlands	8	25	29	52	200	301	237	378
New Zealand	2	2	68	79	--	--	70	80
Norway	--	--	2	2	--	--	2	2
Pakistan	--	--	13	15	1,360	2,680	1,380	2,700
Panama	(2)	(2)	12	15	--	--	12	16
Philippines	--	--	2	9	641	1,040	643	1,050
Poland	--	--	22	54	--	--	22	54
Romania	4	20	46	92	--	--	50	112
Russia	--	--	(2)	7	4,800	7,140	4,800	7,140
Saudi Arabia	--	--	26	114	111	187	137	301
Singapore	2	30	199	368	74	86	275	485
Spain	3	6	17	60	90	655	110	721
Taiwan	134	607	390	1,280	2,620	4,970	3,150	6,860
Thailand	--	--	52	96	5,720	13,600	5,770	13,700
Turkey	--	(2)	102	537	499	1,500	601	2,030
United Arab Emirates	--	--	111	180	190	632	301	812
United Kingdom	(2)	4	382	670	370	679	752	1,350
Vietnam	--	1	24	41	1,720	3,510	1,740	3,550
Other	338	525	236	476	1,640	3,420	2,220	4,420
Total	15,300	31,000	52,000	108,000	160,000	313,000	228,000	452,000

-- Zero.

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

<sup>2</sup>Less than ½ unit.

Source: U.S. Census Bureau.