

# Mineral Industry Surveys

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# **IRON AND STEEL SCRAP IN MARCH 2023**

In March 2023, purchased steel scrap receipts were unchanged, recirculating scrap production increased by 4%, and iron and steel scrap consumption was essentially unchanged compared with those in February. Stocks of purchased and home scrap increased slightly from those at the end of February. In March 2023, pig iron production increased by 15% and consumption increased by 14% from that in February. Direct-reduced iron receipts decreased by 13% and consumption remained unchanged from that in February (table 1, fig. 1).

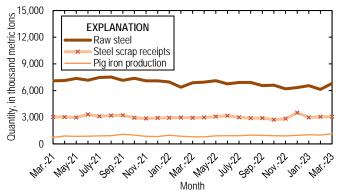


Figure 1. Monthly domestic production of raw steel, receipts of iron and steel scrap, and production of pig iron from March 2021 through March 2023. Sources: U.S. Geological Survey and American Iron and Steel Institute.

Exports of iron and steel scrap in March 2023 increased slightly from those in February (fig. 2, table 4). In March 2023, Turkey was the leading destination for exports, accounting for 27% of the total tonnage, followed by Vietnam (16%) and Mexico (13%) (table 4). Los Angeles, CA, was the leading U.S. Customs district by tonnage of exports, accounting for 20% of the total, followed by New York City, NY, (15%) and San Francisco, CA, (12%) (table 5).

Imports of iron and steel scrap in March 2023 increased by 22% compared with those in February (fig. 2, table 7). Canada was the leading country of origin, accounting for 68% of the total tonnage of imports, followed by Mexico (11%) and Germany (9%) (table 7). Detroit, MI, was the leading U.S. Customs district by tonnage of imports, accounting for 43% of the total, followed by Charleston, SC, (20%) and Seattle, WA, (12%) (table 8).

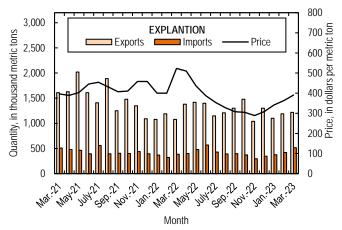


Figure 2. Monthly domestic imports and exports of iron and steel scrap and price for No. 1 heavy melting steel scrap from March 2021 through March 2023. Sources: U.S. Census Bureau and Fastmarkets AMM.

The daily average domestic raw steel production for March, as calculated from the American Iron and Steel Institute's monthly production data, was 219,000 metric tons, unchanged from than that in February and essentially unchanged that in March 2022. Raw steel production capability utilization was 75.7% in March 2023, up from 75.5% in February and down from 78.8% in March 2022 (table 10).

# **Industry News**

Following a 200% tariff on aluminum and related products from Russia enacted by the United States at the end of February, Canada banned the import of all aluminum and steel products from Russia. The ban on imports was attributed to limiting revenue that could potentially fund war efforts by Russia against Ukraine and followed international actions that have imposed sanctions against Russia. Canada reportedly imported over \$150 million of steel products from Russia in 2021 (Shakil, 2023).

A project to test a trial carbon capture, utilization, and storage technology in steel processes, with a goal of reducing carbon dioxide emissions, was announced in partnership by BHP Group Ltd. and HBIS Group Co. Ltd. With a \$15 million investment over 3 years, the project aims to capture the carbon dioxide and

potentially reuse it in the steel furnace processes or store it in waste slag products (Lv and Patton, 2023).

Citing a decline in demand as part of China's conservative economic and policy agenda for 2023 in recent policy meetings, analysts predicted that steel demand in China was likely to slow in the second half of 2023. Additionally, the slowing demand combined with the consolidation of iron ore purchases under the state-run China Mineral Resources Group and the efforts to boost scrap-based steel production in China, the iron ore price was forecast to decline by as much as 28% by the end of 2023. This follows the trend of China reportedly curtailing production for the third year in a row (Shan, 2023).

#### **References Cited**

Lv, Amy, and Patton, Dominique, 2023, BHP to trial carbon capture with Chinese steel firm HBIS: Reuters, March 26. (Accessed August 24, 2023, at https://www.reuters.com/business/sustainable-business/bhp-trial-carbon-capture-with-chinese-steel-firm-hbis-2023-03-27/.)

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https://www.reuters.com/markets/commodities/canada-bans-russian-aluminum-steel-imports-2023-03-10/.)

Shan, Lee Ying, 2023, China's steel demand is set to slow. That could dent iron ore prices by nearly 30%: CNBC LLC, March 31. (Accessed August 24, 2023, at https://www.cnbc.com/2023/03/31/chinas-steel-demand-to-slow-could-dent-iron-ore-prices-by-nearly-30percent.html.)

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TABLE 1 IRON AND STEEL SCRAP, PIG IRON, AND DIRECT-REDUCED IRON STATISTICS FOR STEEL PRODUCERS, IN MARCH  $2023^{1,2}$ 

	March	January–March <sup>3</sup>
Scrap:		
Receipts:	<u> </u>	
From outside sources	3,060	9,090
From other own company plants	216	505
Production:	<u> </u>	
Recirculating scrap	336	1,010
Obsolete scrap	10	30
Consumption (by type of furnace):		
Blast furnace	117	347
Basic oxygen process	306	897
Electric furnace	3,090	9,180
Other		
Total consumption	3,510	10,400
Shipments	31	108
Stocks, end of period	3,920	3,920
Pig iron (includes hot metal):	<u> </u>	
Receipts	133	405
Production	1,140	3,160
Consumption	1,270	3,560
Stocks, end of period	677	677
Direct-reduced iron: <sup>4</sup>		
Receipts	193	616
Consumption	213	644
Stocks, end of period	304	304

<sup>--</sup> Zero.

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

<sup>&</sup>lt;sup>2</sup>Includes manufacturers of raw steel that also produce steel castings.

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

 $<sup>^4</sup>$ Includes direct-reduced iron, hot-briquetted iron, and iron carbide. Domestic production data are included in "Receipts."

 $TABLE\ 2$  RECEIPTS FROM OUTSIDE SOURCES, PRODUCTION, CONSUMPTION, AND STOCKS OF IRON AND STEEL SCRAP, BY GRADE, FOR STEEL PRODUCERS, IN MARCH  $2023^{1,2}$ 

		March			January–March <sup>3</sup>		
	Receipts of scrap	Production of		Ending	Receipts of scrap	Production of	
Item	from outside sources	recirculating scrap	Consumption <sup>4</sup>	stocks	from outside sources	recirculating scrap	Consumption <sup>4</sup>
Carbon steel:			·				•
Low-phosphorus plate and punchings	14	W	16	W	41	W	48
Cut structural and plate	268	29	292	341	789	87	876
No. 1 heavy melting steel	272	46	330	178	826	144	985
No. 2 heavy melting steel	330	24	393	241	996	77	1,120
No. 1 and electric furnace bundles	101		109	118	324		329
No. 2 and all other bundles	78	W	76	40	216	W	231
Electric furnace 1 foot and under (not bundles)	W		W	W	W		W
Railroad rails	18	W	19	97	54	W	56
Turnings and borings	136	W	139	207	406	W	415
Slag scrap		25	54	43	86	81	173
Shredded and fragmentized	946	W	983	1,570	2,790	W	2,920
No. 1 busheling	376	27	394	347	1,110	79	1,190
Steel cans scrap (post consumer)	W	W	10	293	W	W	31
All other carbon steel scrap	188	117	311	228	556	354	941
Stainless steel scrap	42	19	62	32	125	57	185
Alloy steel scrap		8	31	50	69	25	94
Ingot mold and stool scrap	W	W	W	W	W	W	W
Machinery and cupola cast iron	4		W	W	W		W
Cast iron borings	12		12	W	36	W	37
Other iron scrap	53	16	57	59	161	33	160
Other mixed scrap	153	12	205	45	449	36	591
Total	3,060	336	3,510	3,920	9,090	1,010	10,400

W Withheld to avoid disclosing company proprietary data; included in "Total." -- Zero.

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

<sup>&</sup>lt;sup>2</sup>Includes manufacturers of raw steel that also produce steel castings.

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

<sup>&</sup>lt;sup>4</sup>Includes recirculating scrap.

TABLE 3 RECEIPTS FROM OUTSIDE SOURCES, PRODUCTION, AND CONSUMPTION OF IRON AND STEEL SCRAP, BY REGION AND STATE, FOR STEEL PRODUCERS, IN MARCH  $2023^{1,2}$ 

		March		January–March <sup>3</sup>			
	Receipts of scrap	Production of		Receipts of scrap	Production of		
Region and State	from outside sources	recirculating scrap	Consumption <sup>4</sup>	from outside sources	recirculating scrap	Consumption <sup>4</sup>	
Mid-Atlantic and New England:			•			·	
New Jersey, New York, Pennsylvania	191	39	275	623	114	775	
North Central:							
Illinois and Indiana	342	75	431	1,050	227	1,350	
Iowa, Nebraska, Wisconsin	223	6	245	660	20	720	
Michigan	38	5	43	114	14	129	
Ohio	397	88	477	1,170	267	1,430	
Total	1,000	175	1,200	3,000	528	3,620	
South Atlantic:							
Georgia, North Carolina, South Carolina	285	W	295	827	W	874	
Virginia, West Virginia	104	W	119	288	W	342	
Total	390	15	414	1,120	51	1,220	
South Central:							
Alabama, Kentucky, Mississippi, Tennessee	727	50	766	2,060	147	2,240	
Arkansas and Texas	452	39	528	1,410	114	1,600	
Total	1,180	89	1,290	3,470	261	3,840	
Mountain and Pacific:							
California, Colorado, Oregon, Utah, Washington	297	19	329	881	56	974	
Grand total	3,060	336	3,510	9,090	1,010	10,400	

W Withheld to avoid disclosing company proprietary data; included in "Total."

<sup>&</sup>lt;sup>1</sup>Data are rounded to no more than three significant digits; may not add to totals shown.
<sup>2</sup>Includes manufacturers of raw steel that also produce steel castings.
<sup>3</sup>May include revisions to previously published data.

<sup>&</sup>lt;sup>4</sup>Includes recirculating scrap.

TABLE 4 U.S. EXPORTS OF IRON AND STEEL SCRAP BY SELECTED REGION AND COUNTRY OR LOCALITY, IN MARCH 2023  $^{\!1,2}$ 

(Thousand metric tons and thousand dollars)

	March	า	January–March <sup>3</sup>		
Country or locality	Quantity	Value	Quantity	Value	
Bangladesh	145	59,700	275	109,000	
Belgium	1	1,240	7	8,100	
Canada	40	16,500	117	45,800	
China	2	4,560	6	11,000	
Ecuador	(4)	6	30	12,300	
Greece	(4)	20	30	11,700	
India	48	39,800	265	158,000	
Italy	30	12,100	31	14,000	
Korea, Republic of	19	9,500	102	46,900	
Malaysia	13	14,900	32	37,700	
Mexico	158	56,800	567	168,000	
Morocco			17	6,170	
Netherlands	(4)	339	3	4,810	
Pakistan	18	13,400	61	44,100	
Peru	42	18,300	134	54,500	
Taiwan	105	47,300	291	128,000	
Thailand	50	17,400	88	47,700	
Turkey	331	139,000	940	375,000	
Vietnam	196	80,500	463	186,000	
Other <sup>5</sup>	16	12,100	46	25,400	
Total	1,220	544,000	3,500	1,490,000	

<sup>--</sup> Zero.

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

<sup>&</sup>lt;sup>2</sup>Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Export valuation is on a free-alongside-ship basis.

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

<sup>&</sup>lt;sup>4</sup>Less than ½ unit.

<sup>&</sup>lt;sup>5</sup>Includes countries with quantities of less than 500 metric tons for the current year.

# TABLE 5 U.S. EXPORTS OF IRON AND STEEL SCRAP BY REGION AND SELECTED CUSTOMS DISTRICT, IN MARCH $2023^{1,2}$

(Thousand metric tons and thousand dollars)

	Marc	h	January–March <sup>3</sup>		
Customs district	Quantity	Value	Quantity	Value	
Baltimore, MD	37	17,500	121	63,200	
Boston, MA	31	13,200	218	88,300	
Buffalo, NY	5	3,710	16	11,500	
Charleston, SC	4	4,000	13	11,100	
Columbia-Snake, OR	34	14,100	182	74,600	
Dallas-Forth Worth, TX	(4)	4	(4)	4	
Detroit, MI	19	7,090	55	22,300	
Duluth, MN	(4)	183	1	865	
El Paso, TX	1	278	84	600	
Honolulu, HI, and Anchorage, AK	1	500	30	12,100	
Houston-Galveston, TX	24	16,800	52	41,200	
Laredo, TX	93	29,900	228	74,400	
Los Angeles, CA	246	114,000	469	218,000	
Miami, FL	30	14,000	68	30,800	
Mobile, AL	1	466	3	3,810	
New Orleans, LA	1	606	3	2,300	
New York City, NY	187	91,100	531	244,000	
Norfolk, VA	45	22,100	109	67,200	
Ogdensburg, NY	1	213	2	551	
Pembina, ND	10	4,190	24	9,570	
Philadelphia, PA	68	29,800	270	104,000	
Portland, ME	13	5,340	45	17,600	
Providence, RI	74	29,900	127	48,100	
San Diego, CA	19	7,410	69	19,100	
San Francisco, CA	149	61,400	400	161,000	
San Juan, PR	23	6,480	73	22,500	
Savannah, GA	15	13,200	44	36,200	
Seattle, WA	53	23,100	143	63,300	
St. Albans, VT	1	179	2	671	
Tampa, FL	25	11,300	103	41,500	
Other	4	1,400	19	4,290	
Total	1,220	544,000	3,500	1,490,000	

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

<sup>&</sup>lt;sup>2</sup>Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Export valuation is on a free-alongside-ship basis.

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

<sup>&</sup>lt;sup>4</sup>Less than ½ unit.

# ${\bf TABLE~6} \\ {\bf U.S.~EXPORTS~OF~IRON~AND~STEEL~SCRAP~AND~OTHER} \\ {\bf FERROUS~PRODUCTS~BY~GRADE,~IN~MARCH~2023}^{1,2}$

(Thousand metric tons and thousand dollars)

	Marc	h	January–March <sup>3</sup>		
Item	Quantity	Value	Quantity	Value	
No. 1 heavy melting steel	481	206,000	1,420	581,000	
No. 2 heavy melting steel	62	29,200	161	73,500	
No. 1 bundles	42	5,220	54	9,340	
No. 2 bundles	1	136	2	231	
Shredded steel scrap	426	175,000	1,190	475,000	
Borings, shovelings, and turnings	5	1,480	14	3,620	
Cut plate and structural	74	32,300	174	77,500	
Tinned iron or steel	15	2,400	34	5,250	
Remelting scrap ingots	(4)	34	(4)	185	
Cast iron	27	14,500	172	43,600	
Other iron and steel	3	698	10	2,240	
Total carbon steel and cast iron	1,140	466,000	3,230	1,270,000	
Stainless steel	27	36,900	100	115,000	
Other alloy steel	51	40,500	171	108,000	
Total stainless and alloy steel	78	77,400	271	223,000	
Total carbon, stainless, alloy steel, and cast iron	1,220	544,000	3,500	1,490,000	
Ships, boats, and other vessels for					
breaking up (for scrapping)			1	182	
Used rails	(4)	659	(4)	1,300	
Used rails for rerolling and other uses					
Total scrap exports	1,220	544,000	3,510	1,500,000	
Exports of manufactured ferrous products,					
Pig iron < or = 0.5% phosphorus	2	1,810	6	4,290	
Pig iron $>$ or $= 0.5\%$ phosphorus					
Alloy Pig Iron	(4)	41	(4)	46	
Total pig iron	2	1,850	6	4,340	
Direct-reduced iron (DRI)	2	41	2	62	
Granules for abrasive cleaning and other uses	2	3,790	6	8,780	
Powders of alloy steel	1	6,070	3	17,300	
Other ferrous powders	6	8,690	16	21,400	
Total DRI, granules, powders	13	18,600	26	47,600	
Grand total	1,230	565,000	3,540	1,550,000	
Zero	1,230	565,000	3,540	1,550,0	

<sup>--</sup> Zero.

 $<sup>^{1}\</sup>mathrm{Data}$  are rounded to no more than three significant digits; may not add to totals shown.

<sup>&</sup>lt;sup>2</sup>Export valuation is on a free-alongside-ship basis.

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

<sup>&</sup>lt;sup>4</sup>Less than ½ unit.

TABLE 7 U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP BY SELECTED COUNTRY OR LOCALITY, IN MARCH  $2023^{1,2}$ 

## (Thousand metric tons and thousand dollars)

	Marc	h	January-N	March <sup>3</sup>
Country or locality	Quantity	Value	Quantity	Value
Canada	350	156,000	943	398,000
Cayman Islands	1	127	2	311
Colombia	(4)	67	1	302
Germany	45	18,900	55	21,400
Japan	2	110	7	236
Mexico	56	28,800	145	71,600
Netherlands			32	12,400
New Zealand			27	12,100
Portugal	14	5,610	14	5,610
Spain	12	4,990	12	4,990
Sweden	(4)	76	37	15,500
United Kingdom	33	15,800	34	15,900
Other <sup>5</sup>	2	2,630	5	4,450
Total	516	233,000	1,310	563,000

<sup>--</sup> Zero.

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

<sup>&</sup>lt;sup>2</sup>Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats, and other vessels for scrapping. Import valuation is on a Customs basis.

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

<sup>&</sup>lt;sup>4</sup>Less than ½ unit.

<sup>&</sup>lt;sup>5</sup>Includes countries with quantities of less than 500 metric tons for the current year.

TABLE 8 U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP BY SELECTED CUSTOMS DISTRICT, IN MARCH  $2023^{1,2}$ 

(Thousand metric tons and thousand dollars)

	March		January–March <sup>3</sup>		
Customs district	Quantity	Value	Quantity	Value	
Baltimore, MD	(4)	64	1	339	
Buffalo, NY	24	13,100	64	37,600	
Charleston, SC	104	45,200	144	60,200	
Chicago, IL	(4)	177	(4)	486	
Cleveland, OH	(4)	17	(4)	360	
Detroit, MI	224	104,000	604	264,000	
Duluth, MN	14	5,710	29	11,000	
El Paso, TX	5	2,450	13	6,300	
Great Falls, MT	2	844	5	2,050	
Houston-Galveston, TX	(4)	846	(4)	978	
Laredo, TX	34	18,800	92	48,300	
Miami, FL	2	512	5	1,320	
Mobile, AL	3	2,650	8	6,080	
New Orleans, LA	2	79	73	27,600	
New York City, NY	(4)	728	(4)	782	
Nogales, AZ	6	2,660	15	5,890	
Ogdensburg, NY	3	4,380	6	6,200	
Pembina, ND	17	7,390	60	23,800	
San Diego, CA	8	2,390	18	5,270	
Seattle, WA	64	20,000	171	52,100	
St. Albans, VT	1	384	3	892	
Other	1	611	1	954	
Total	516	233,000	1,310	563,000	

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

<sup>&</sup>lt;sup>2</sup>Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ships, boats and other vessels for scrapping. Import valuation is on a Customs basis.

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

<sup>&</sup>lt;sup>4</sup>Less than ½ unit.

# $\label{thm:continuous} TABLE~9$ U.S. IMPORTS OF IRON AND STEEL SCRAP AND OTHER FERROUS PRODUCTS BY GRADE, IN MARCH 2023 $^{1,2}$

(Thousand metric tons and thousand dollars)

	Marc	h	January–March <sup>3</sup>		
Item	Quantity	Value	Quantity	Value	
No. 1 heavy melting steel	15	5,730	46	15,900	
No. 2 heavy melting steel	13	4,890	33	11,200	
No. 1 bundles	175	80,900	374	163,000	
No. 2 bundles	8	3,360	21	8,820	
Shredded steel scrap	95	40,600	234	98,000	
Borings, shovelings, and turnings	4	1,350	12	2,970	
Cut plate and structural	20	6,680	51	16,700	
Tinned iron or steel	28	11,800	78	31,600	
Remelting scrap ingots	(4)	150	1	390	
Cast iron	17	5,610	66	25,200	
Other iron and steel	68	24,600	208	72,000	
Total carbon steel and cast iron	444	186,000	1,120	446,000	
Stainless steel	22	27,500	55	66,500	
Other alloy steel	50	20,000	135	50,200	
Total stainless and alloy steel	72	47,500	190	117,000	
Total carbon, stainless, alloy steel, and cast iron	516	233,000	1,310	563,000	
Ships, boats, and other vessels for					
breaking up (for scrapping)	(4)	3	(4)	3	
Used rails	(4)	217	1	414	
Used rails, nonalloyed					
Used rails other	(4)	21	(4)	493	
Total scrap imports	516	233,000	1,320	564,000	
Imports of manufactured ferrous products:					
Pig iron < or = 0.5% phosphorus					
Pig iron $>$ or $= 0.5\%$ phosphorus	418	217,000	922	494,000	
Alloy pig iron			(4)	23	
Total pig iron	418	217,000	922	494,000	
Direct-reduced iron (DRI)	418	133,000	945	307,000	
Spongy iron products, not DRI	(4)	287	(4)	648	
Granules for abrasive cleaning and other uses	2	3,650	5	9,370	
Powders of alloy steel	5	13,200	15	35,800	
Other ferrous powders	3	8,750	10	25,800	
Total DRI, granules, powders	428	159,000	976	379,000	
Grand total	1,360	609,000	3,210	1,440,000	

<sup>--</sup> Zero.

 $<sup>^{1}\</sup>mathrm{Data}$  are rounded to no more than three significant digits; may not add to totals shown.

<sup>&</sup>lt;sup>2</sup>Import valuation is on a Customs basis.

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

<sup>&</sup>lt;sup>4</sup>Less than ½ unit.

 ${\it TABLE~10}\\ {\it U.S.~RAW~STEEL~PRODUCTION,~RAW~STEEL~CAPABILITY~UTILIZATION,}\\ {\it AND~CONTINUOUS~CAST~STEEL~PRODUCTION}^1$ 

	Raw steel pro	oduction,	Raw steel c	apability	Continuous	cast steel
	thousand me	tric tons	utilization, percent		production, percent	
		Year		Year		Year
Period	Monthly	to date <sup>2</sup>	Monthly	to date <sup>2</sup>	Monthly	to date <sup>2</sup>
2022:						
March	6,870	20,200	78.7	79.7	99.6	99.7
April	6,950	27,200	81.9	80.3	99.7	99.7
May	7,120	34,300	81.1	80.5	99.7	99.7
June	6,760	41,000	79.6	80.3	99.7	99.7
July	6,910	47,900 <sup>r</sup>	78.1	80.0	99.7	99.7
August	6,910	54,900	78.0	79.7	99.7	99.7
September	6,550	61,400	76.4	79.4	99.7	99.7
October	6,610	68,000	73.7	78.8	99.7	99.7
November	6,200	74,200	71.5	78.1	99.6	99.7
December	6,330	80,500	70.6	77.5	99.7	99.7
2023:						
January	6,550	6,550	73.0	73.0	99.6	99.6
February	6,120 <sup>r</sup>	12,700	75.5	74.2	99.7	99.7
March	6,800	19,500	75.7	74.7	99.7	99.7

rRevised.

Source: American Iron and Steel Institute.

<sup>&</sup>lt;sup>1</sup>Data are rounded to no more than three significant digits.

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

TABLE 11 COMPOSITE PRICES FOR STEEL SCRAP AND PIG IRON

	Steel Scra	ip <sup>1</sup>	Pig Iron	2
Period	\$/lt	\$/t	\$/lt	\$/t
2022:				
March	531.67	523.27	513.66	505.55
April	518.33	510.14	649.12	638.87
May	443.33	436.33	566.12	557.18
June	393.33	387.12	753.47	741.57
July	360.00	354.31	742.36	730.64
August	333.33	328.07	974.43	959.04
September	313.33	308.38	618.84	609.07
October	310.00	305.11	924.99	910.38
November	293.33	288.70	511.23	503.16
December	313.33	308.38	662.89	652.42
Average, January–December	385.28 г	379.19 <sup>r</sup>	662.64 <sup>r</sup>	652.18 <sup>r</sup>
2023:				
January	346.67	341.20	560.18	551.33
February	368.33 <sup>r</sup>	362.51 <sup>r</sup>	439.42	432.48
March	396.67	390.41	600.00	590.53

rRevised.

Note: Long tons = lt; metric tons = t.

<sup>&</sup>lt;sup>1</sup>Prices are for No. 1 heavy melting steel scrap. Source: Fastmarkets-AMM.

<sup>&</sup>lt;sup>2</sup>Prices are Brazilian basic pig iron, free on board, New Orleans, LA. Source: U.S. Census Bureau.

 ${\it TABLE~12} \\ {\it U.S.~IRON~AND~STEEL~SCRAP~RECEIPTS~FROM~OUTSIDE~SOURCES,~PRODUCTION~OF~PIG~IRON,~} \\ {\it AND~DIRECT-REDUCED~IRON~(DRI)~CONSUMPTION}^1$ 

	Receipts o	f scrap						
	from outside	sources	Pig iron production		Pig iron production		DRI consu	mption
	-	Year		Year		Year		
Period <sup>2</sup>	Monthly	to date	Monthly	to date	Monthly	to date		
2022:								
March	2,930	8,850	802	2,650	264	735		
April	2,980	11,800	802	3,450	265	1,000		
May	3,080	14,900	903	4,350	291	1,290		
June	3,170	18,100	920	5,270	309	1,600		
July	2,990	21,100	922	6,200	262	1,860		
August	2,900	24,000	988	7,180	264	2,130		
September	2,910	26,900	950	8,130	187	2,310		
October	2,720	29,600	918	9,050	190	2,500		
November	2,830	32,400	898	9,950	184	2,690		
December	3,510	35,900	956	10,900	202	2,890		
2023:								
January	2,980	2,980	1,030	1,030	219	219 г		
February	3,050	6,040	986	2,020	212	431		
March	3,060	9,090	1,140	3,160	213	644		

rRevised.

<sup>&</sup>lt;sup>1</sup>Data are rounded to no more than three significant digits.

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