

Mineral Industry Surveys

For information, contact:

Michael D. Fenton, Iron and Steel Scrap Commodity Specialist
National Minerals Information Center
U.S. Geological Survey
989 National Center
Reston, VA 20192
Telephone: (703) 648-4972, Fax: (703) 648-7757
Email: mfenton@usgs.gov

Hoa P. Phamdang (Data)
Telephone: (703) 648-7965
Fax: (703) 648-7975
Email: hphamdang@usgs.gov

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

IRON AND STEEL SCRAP IN NOVEMBER 2016

On a daily average basis in November 2016, iron and steel scrap consumption increased by 6% and home scrap production increased by 4% compared with those of October (table 1). Purchased scrap receipts in November 2016 increased by 3% from those of October. Stocks of purchased and home scrap at the end of November 2016 were up slightly from those at the end of October. These observations are based upon responses from about 21% of the companies surveyed that manufacture pig iron and semi-finished steel products, which account for about 30% of the total scrap consumption in those sectors and estimates for nonrespondents to this survey.

On a daily average basis, pig iron production increased by 4% and consumption increased by 5% compared with those of October 2016 (table 1). Stocks of pig iron at the end of November 2016 decreased by 13% from those at the end of October.

Exports of iron and steel scrap in November 2016 decreased by 9% from those in October (table 6). Turkey was the leading country of destination, accounting for 25% of the total tonnage of exports, followed by India with 16% and Taiwan with 10%. Los Angeles, CA, was the leading U.S. Customs district for tonnage of exports, accounting for 14% of the total, followed by San Francisco, CA, with 11% and New York, NY, with 10% (table 7).

Imports of iron and steel scrap in November 2016 increased by 3% from those in October (table 9). Canada was the leading

country of origin, accounting for 93% of the total tonnage of imports, followed by Mexico with 6%. Detroit, MI, was the leading U.S. Customs district for tonnage of imports, accounting for 48% of the total, followed by Seattle, WA, with 20% and Buffalo, NY, with 16% (table 10).

The daily average domestic raw steel production for November 2016, as calculated from the American Iron and Steel Institute's (AISI) monthly production data, was 206,000 metric tons, up by 3% from that in October 2016 and up by 6% from that in November 2015 (table 12). Raw steel production capability utilization (AISI data) was 67% in November 2016, up from 65% in October and up from 63% in November 2015 (table 12). The electric furnace portion of raw steel production for November and October 2016 was 69%, up from 64% in November 2015.

Continuous cast steel production accounted for 99.6% of total raw steel production in November 2016, 99.6% in October 2016, and 99.1% in November 2015 (table 12).

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

(Thousand metric tons)

	November 2016			January–November ³		
	Integrated steel producers ⁴	Electric furnace steel producers ⁵	Total for steel producers	Integrated steel producers ⁴	Electric furnace steel producers ⁵	Total for steel producers
Scrap:						
Receipts from dealers and other sources	1,520	1,590	3,110	17,100	18,700	35,800
Receipts from other own company plants	41	146	187	486	1,630	2,120
Production recirculating scrap	239	148	387	2,720	2,020	4,740
Production obsolete scrap	W	W	7	W	W	98
Consumption (by type of furnace):						
Blast furnace	W	W	160	W	W	1,780
Basic oxygen process	W	W	343	W	W	3,990
Electric furnace	1,270	1,710	2,980	14,000	19,300	33,300
Other (including air furnace) ⁶	W	W	199	W	W	2,330
Total consumption	1,750	1,940	3,690	19,600	21,700	41,400
Shipments	57	7	64	594	428	1,020
Stocks, end of period	2,190	2,080	4,270	2,190	2,080	4,270
Pig iron (includes hot metal):						
Receipts	250	50	300	2,250	773	3,030
Production	1,260	--	1,260	15,700	--	15,700
Consumption (by type of furnace):						
Basic oxygen process	W	W	1,460	W	W	16,900
Direct castings ⁷	W	W	158	W	W	1,800
Electric furnace	W	W	21	W	W	218
Total consumption	1,560	73	1,630	18,100	779	18,900
Shipments	--	--	--	W	--	W
Stocks, end of period	225	243	468	225	243	468
Direct-reduced iron:⁸						
Receipts	90	53	143	1,120	591	1,710
Total consumption	311	51	362	3,790	562	4,350
Stocks, end of period	206	47	253	206	47	253

W Withheld to avoid disclosing company proprietary data; included in "Total for steel producers" and (or) "Total consumption." -- Zero.

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

²Includes manufacturers of raw steel that also produce steel castings. November 2016 data are based on returns from 21% of consumer surveys, representing 30% of scrap consumption during this month, and estimates for nonrespondents of this survey.

³May include revisions to previously published data.

⁴Includes data for electric furnaces operated by integrated steel producers.

⁵Includes minimill and specialty steel producers; includes data for other furnaces operated by these steel producers.

⁶Includes vacuum melting furnaces and miscellaneous uses.

⁷Includes ingot molds and stools.

⁸Includes 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^{1,2}

(Thousand metric tons)

Item	November 2016				January–November ³		
	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ⁴	Ending stocks	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ⁴
Carbon steel:							
Low-phosphorus plate and punchings	42	W	44	W	466	W	492
Cut structural and plate	256	21	295	273	3,090	256	3,410
No. 1 heavy melting steel	288	47	351	243	3,270	524	3,900
No. 2 heavy melting steel	344	27	382	228	3,900	307	4,270
No. 1 and electric furnace bundles	146	W	162	227	1,830	W	1,790
No. 2 and all other bundles	58	--	59	41	712	--	712
Electric furnace 1 foot and under (not bundles)	W	W	W	W	4	W	W
Railroad rails	15	W	16	7	165	W	171
Turnings and borings	168	4	174	145	1,910	46	1,950
Slag scrap	42	66	76	149	465	745	767
Shredded and fragmented	828	W	997	1,490	10,300	W	11,200
No. 1 busheling	457	19	412	489	4,380	199	4,520
Steel cans (post consumer)	6	--	6	1	68	--	68
All other carbon steel scrap	195	77	289	368	2,250	1,240	3,240
Stainless steel scrap	73	27	110	60	819	292	1,230
Alloy steel scrap	26	19	46	182	288	213	504
Ingot mold and stool scrap	W	W	8	3	W	W	96
Machinery and cupola cast iron	W	--	W	W	W	--	W
Cast iron borings	13	W	13	3	145	W	146
Motor blocks	W	--	W	W	W	--	W
Other iron scrap	106	29	134	109	1,190	296	1,490
Other mixed scrap	43	29	105	119	519	340	1,340
Total	3,110	387	3,690	4,270	35,800	4,740	41,400

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

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

²Includes manufacturers of raw steel that also produce steel castings.

³May include revisions to previously published data.

⁴Includes recirculating scrap and home-generated obsolete scrap.

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

(Thousand metric tons)

Region and State	November 2016			January–November ³		
	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ⁴	Receipts of scrap from brokers, dealers, and other outside sources	Production of home scrap (recirculating scrap resulting from current operations)	Consumption of purchased and home scrap ⁴
Mid-Atlantic and New England:						
New Jersey, New York, Pennsylvania	324	58	390	3,550	630	4,240
North Central:						
Illinois and Indiana	371	29	413	4,360	324	4,840
Iowa, Minnesota, Nebraska, Wisconsin	210	18	228	2,290	236	2,560
Michigan	129	75	182	1,580	878	2,090
Ohio	408	87	530	4,650	1,310	5,760
Total	1,120	209	1,350	12,900	2,750	15,200
South Atlantic:						
Virginia, West Virginia	61	7	104	732	62	1,180
Georgia, North Carolina, South Carolina	251	13	261	2,850	186	3,010
Total	311	20	365	3,580	248	4,200
South Central:						
Alabama, Kentucky, Mississippi, Tennessee	643	39	675	7,000	430	7,460
Arkansas, Louisiana, Oklahoma, Texas	462	45	612	6,050	491	6,870
Total	1,110	83	1,290	13,100	922	14,300
Mountain and Pacific:						
California, Colorado, Oregon, Utah, Washington	250	17	292	2,750	191	3,360
Grand total	3,110	387	3,690	35,800	4,740	41,400

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

²Includes manufacturers of raw steel that also produce steel castings.

³May include revisions to previously published data.

⁴Includes recirculating scrap and home-generated obsolete scrap.

TABLE 4
RECEIPTS OF IRON AND STEEL SCRAP, BY REGION AND GRADE, FOR STEEL PRODUCERS^{1,2,3,4}

(Thousand metric tons)

Item	November 2016					January–November ⁵				
	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific
Carbon steel:										
Low-phosphorus plate and punchings	10	W	--	W	W	119	W	W	W	W
Cut structural and plate	36	89	28	83	W	343	1,020	304	1,200	W
No. 1 heavy melting steel	53	74	14	121	25	582	867	173	1,370	277
No. 2 heavy melting steel	6	92	35	177	33	70	1,010	441	2,030	361
No. 1 and electric furnace bundles	8	102	5	28	W	82	1,180	50	479	W
No. 2 and all other bundles	9	29	W	W	W	111	384	W	W	W
Electric furnace 1 foot and under (not bundles)	--	--	--	W	--	--	W	--	W	--
Railroad rails	W	W	W	3	W	W	W	W	31	W
Turnings and borings	17	53	26	65	7	192	636	279	724	75
Slag scrap	5	19	2	W	W	56	208	20	169	W
Shredded and fragmented	62	246	147	290	82	642	2,950	1,670	4,140	904
No. 1 busheling	44	153	28	231	2	488	1,670	332	1,870	23
Steel cans (post consumer)	W	W	W	--	--	W	W	W	--	--
All other carbon steel scrap	24	129	W	37	3	312	1,460	W	424	28
Stainless steel scrap	35	12	--	W	--	388	151	--	W	--
Alloy steel scrap	2	22	W	W	--	15	246	W	W	--
Ingot mold and stool scrap	W	W	--	--	--	W	W	--	--	--
Machinery and cupola cast iron	--	W	W	W	--	--	W	W	W	--
Cast iron borings	W	W	W	1	W	W	W	W	11	W
Other iron scrap	5	30	W	5	W	56	334	W	69	W
Other mixed scrap	W	19	W	3	W	W	226	W	43	W
Total	324	1,120	311	1,110	250	3,550	12,900	3,580	13,100	2,750

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

¹Scrap received from brokers, dealers, and other outside sources.

²A breakout of the States within each region is provided in Table 3.

³Includes manufacturers of raw steel that also produce steel castings.

⁴Data are rounded to no more than three significant digits; may not add to totals shown.

⁵May include revisions to previously published data.

TABLE 5
CONSUMPTION OF IRON AND STEEL SCRAP BY REGION AND GRADE, FOR STEEL PRODUCERS^{1,2,3}

(Thousand metric tons)

Item	November 2016					January–November ⁴				
	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific	Mid-Atlantic and New England	North Central	South Atlantic	South Central	Mountain and Pacific
Carbon steel:										
Low-phosphorus plate and punchings	10	W	W	W	W	118	W	W	W	W
Cut structural and plate	40	98	35	102	W	371	1,120	490	1,210	219
No. 1 heavy melting steel	56	104	16	148	26	627	1,150	204	1,630	290
No. 2 heavy melting steel	11	93	44	198	W	116	1,060	506	2,190	W
No. 1 and electric furnace bundles	8	101	5	45	W	82	1,200	50	425	W
No. 2 and all other bundles	8	28	6	16	W	107	385	W	W	W
Electric furnace 1 foot and under (not bundles)	--	W	--	W	--	--	W	--	W	--
Railroad rails	W	W	--	3	W	W	W	--	31	W
Turnings and borings	19	56	26	66	7	211	659	284	717	75
Slag scrap	10	36	2	25	W	105	338	24	277	W
Shredded and fragmented	65	286	168	395	82	639	3,190	1,910	4,540	904
No. 1 busheling	44	160	29	177	2	487	1,780	339	1,890	23
Steel cans (post consumer)	W	W	W	--	--	W	W	W	--	--
All other carbon steel scrap	41	187	6	52	3	511	2,050	69	574	31
Stainless steel scrap	53	21	--	W	--	579	250	--	W	--
Alloy steel scrap	10	28	--	W	--	106	303	--	W	--
Ingot mold and stool scrap	W	W	--	W	--	W	W	W	W	--
Machinery and cupola cast iron	W	W	W	W	W	--	W	W	W	--
Cast iron borings	W	W	W	1	W	W	W	W	11	W
Motor blocks	--	W	--	--	--	--	W	--	--	--
Other iron scrap	6	44	W	6	W	70	493	W	79	W
Other mixed scrap	W	51	W	4	W	W	600	W	43	W
Total	390	1,350	365	1,290	292	4,240	15,200	4,200	14,300	3,360

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

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

²A breakout of the States within each region is provided in Table 3.

³Includes manufacturers of raw steel that also produce steel castings.

⁴May include revisions to previously published data.

TABLE 6
U.S. EXPORTS OF IRON AND STEEL SCRAP BY SELECTED REGION AND COUNTRY^{1,2}

(Thousand metric tons and thousand dollars)

Region and country	November 2016		January–November ³	
	Quantity	Value	Quantity	Value
North America and South America:				
Brazil	--	--	22	5,910
Canada	42	9,700	672	121,000
Ecuador	2	689	8	1,240
Mexico	90	18,700	1,360	313,000
Peru	30	5,890	364	78,500
Other ⁴	(5)	74	6	2,210
Total	164	35,100	2,440	522,000
Africa, Europe, Middle East:				
Belgium	1	2,430	8	10,100
Egypt	30	5,890	122	29,600
France	(5)	37	1	912
Germany	(5)	126	3	2,810
Greece	--	--	168	34,200
Italy	(5)	237	2	1,620
Kuwait	--	--	313	74,700
Netherlands	1	292	8	6,190
Saudi Arabia	(5)	14	50	10,600
Sweden	(5)	238	3	3,560
Turkey	286	58,700	2,870	616,000
United Arab Emirates	1	570	13	4,710
Other ⁴	1	564	7	3,710
Total	321	69,100	3,570	798,000
Asia, Australia, Oceania:				
Bangladesh	32	7,450	295	64,100
China	86	74,000	743	572,000
Hong Kong	3	2,870	39	27,900
India	178	42,200	1,070	305,000
Indonesia	9	2,010	53	15,300
Japan	31	7,830	53	32,500
Korea, Republic of	12	4,830	789	194,000
Malaysia	4	1,150	29	10,400
Pakistan	57	19,500	402	148,000
Taiwan	115	34,600	1,230	339,000
Thailand	63	13,600	393	87,200
Vietnam	48	10,600	333	75,700
Other ⁴	1	252	2	1,390
Total	639	221,000	5,430	1,870,000
Grand total	1,120	325,000	11,400	3,190,000

-- Zero.

¹Includes 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.

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

³May include revisions to previously published data.

⁴Includes countries with January–November 2016 quantities of less than 500 metric tons.

⁵Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 7
U.S. EXPORTS OF IRON AND STEEL SCRAP BY REGION AND
SELECTED CUSTOMS DISTRICT^{1, 2}

(Thousand metric tons and thousand dollars)

Region and customs district	November 2016		January–November ³	
	Quantity	Value	Quantity	Value
Canada–United States border:				
Buffalo, NY	7	2,260	187	33,900
Detroit, MI	13	3,670	172	36,500
Duluth, MN	1	172	6	3,090
Great Falls, MT	1	247	6	1,300
Ogdensburg, NY	1	87	13	1,640
Pembina, ND	5	1,060	85	18,400
Other	6	964	71	10,100
Total	34	8,450	539	105,000
East coast:				
Baltimore, MD	22	7,380	263	84,900
Boston, MA	52	11,000	814	183,000
Charleston, SC	6	3,920	62	36,800
Miami, FL	46	13,100	284	87,400
New York City, NY	107	40,200	1,810	512,000
Norfolk, VA	25	14,200	188	107,000
Philadelphia, PA	100	20,700	871	194,000
Portland, ME	21	4,430	132	27,100
Providence, RI	29	5,550	472	104,000
Savannah, GA	19	8,740	121	69,800
St. Albans, VT	2	1,090	63	6,790
Washington, DC	--	--	(4)	28
Wilmington, NC	(4)	54	3	3,550
Total	431	130,000	5,080	1,420,000
Gulf coast and Mexico–United States border (includes Caribbean territories):				
El Paso, TX	10	2,160	82	18,800
Houston–Galveston, TX	80	22,500	321	119,000
Laredo, TX	20	4,490	418	103,000
Mobile, AL	1	386	54	13,800
New Orleans, LA	1	384	35	14,500
San Juan, PR	20	4,480	107	24,700
Tampa, FL	24	6,450	220	60,800
Other	(4)	40	(4)	112
Total	156	40,900	1,240	355,000
West coast and Hawaii:				
Columbia–Snake, OR	85	18,400	492	108,000
Honolulu, HI, and Anchorage, AK	23	4,640	100	20,000
Los Angeles, CA	153	63,800	1,960	684,000
San Diego, CA	42	8,620	259	53,200
San Francisco, CA	121	30,100	1,240	298,000
Seattle, WA	79	19,700	525	154,000
Total	503	145,000	4,580	1,320,000
Grand total	1,120	325,000	11,400	3,190,000

-- Zero.

¹Includes 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.

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

³May include revisions to previously published data.

⁴Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 8
U.S. EXPORTS OF IRON AND STEEL SCRAP AND OTHER FERROUS PRODUCTS BY GRADE^{1,2}

(Thousand metric tons and thousand dollars)

Item	November 2016		January–November ³	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	328	75,800	3,320	747,000
No. 2 heavy melting steel	34	7,600	479	108,000
No. 1 bundles	2	615	86	19,800
No. 2 bundles	(4)	37	6	1,300
Shredded steel scrap	423	91,000	3,920	878,000
Borings, shovelings and turnings	(4)	55	5	1,240
Cut plate and structural	45	9,810	499	130,000
Tinned iron or steel	10	2,620	54	14,700
Remelting scrap ingots	1	346	8	5,730
Cast iron	30	9,750	146	53,400
Other iron and steel	158	55,300	1,630	522,000
Total carbon steel and cast iron	1,030	253,000	10,200	2,480,000
Stainless steel	42	40,600	604	395,000
Other alloy steel	50	31,500	680	317,000
Total stainless and alloy steel	92	72,100	1,280	712,000
Total carbon, stainless, alloy steel and cast iron	1,120	325,000	11,400	3,190,000
Ships, boats, and other vessels for breaking up (for scrapping)	(4)	20	3	435
Used rails for rerolling and other uses	(4)	376	13	16,300
Total scrap exports	1,120	325,000	11,500	3,210,000
Exports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	5	1,320	12	3,190
Pig iron > or = 0.5% phosphorus	(4)	39	2	311
Alloy pig iron	(4)	106	21	130
Total pig iron	5	1,460	35	3,630
Direct-reduced iron (DRI)	91	21,300	178	21,600
Spongy iron products, not DRI	15	5,890	16	7,420
Granules for abrasive cleaning and other uses	2	2,630	27	33,400
Powders of alloy steel	2	4,370	20	51,500
Other ferrous powders	8	8,370	85	92,400
Total DRI, granules, powders	118	42,600	326	206,000
Grand total	1,250	369,000	11,800	3,420,000

¹Export valuation is on a free-alongside-ship basis.

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

³May include revisions to previously published data.

⁴Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 9
U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP
BY SELECTED COUNTRY^{1,2}

(Thousand metric tons and thousand dollars)

Country	November 2016		January–November ³	
	Quantity	Value	Quantity	Value
Canada	252	57,300	2,570	599,000
China	(4)	217	3	1,170
France	(4)	175	1	449
Germany	(4)	43	29	6,290
India	(4)	13	1	493
Japan	(4)	37	1	738
Mexico	15	7,580	207	85,500
Netherlands	(4)	9	180	39,700
Sweden	1	1,350	261	63,100
United Kingdom	(4)	20	329	76,100
Other ⁵	3	336	11	4,560
Total	271	67,100	3,590	877,000

¹Includes tinplate and terneplate; excludes used rails for rerolling and other uses and ship, boats, and other vessels for scrapping. Import valuation is on a Customs basis.

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

³May include revisions to previously published data.

⁴Less than ½ unit.

⁵Includes countries with January–November 2016 quantities of less than 500 metric tons.

Source: U.S. Census Bureau.

TABLE 10
U.S. IMPORTS FOR CONSUMPTION OF IRON AND STEEL SCRAP
BY SELECTED CUSTOMS DISTRICT^{1,2}

(Thousand metric tons and thousand dollars)

Customs district	November 2016		January–November ³	
	Quantity	Value	Quantity	Value
Baltimore, MD	(4)	9	1	234
Buffalo, NY	44	14,700	413	134,000
Charleston, SC	(4)	37	279	62,500
Cleveland, OH	(4)	57	20	1,340
Detroit, MI	131	29,400	1,250	304,000
Duluth, MN	9	1,770	89	19,400
El Paso, TX	3	1,160	26	8,680
Galveston, TX	(4)	20	2	1,550
Great Falls, MT	1	172	27	5,610
Laredo, TX	7	3,930	124	54,600
Los Angeles, LA	(4)	14	1	825
Miami, FL	(4)	127	3	714
Mobile, AL	5	3,120	135	37,500
New Orleans, LA	(4)	38	416	99,000
Nogales, AZ	1	215	7	2,280
Ogdensburg, NY	2	957	16	4,980
Pembina, ND	7	1,760	150	30,900
Portland, ME	1	162	5	1,640
San Diego, CA	2	657	19	6,840
Seattle, WA	54	7,880	558	91,500
St. Albans, VT	3	558	35	6,590
Other	1	399	8	2,450
Total	271	67,100	3,590	877,000

¹Includes 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.

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

³May include revisions to previously published data.

⁴Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 11
U.S. IMPORTS OF IRON AND STEEL SCRAP AND OTHER
FERROUS PRODUCTS BY GRADE^{1,2}

(Thousand metric tons and thousand dollars)

Item	November 2016		January–November ³	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	10	1,870	136	25,700
No. 2 heavy melting steel	6	1,320	88	17,800
No. 1 bundles	55	12,100	961	224,000
No. 2 bundles	4	880	65	14,400
Shredded steel scrap	60	10,900	663	136,000
Borings, shovelings and turnings	4	617	41	6,660
Cut plate and structural	15	2,960	168	33,600
Tinned iron or steel	9	1,640	80	15,000
Remelting scrap ingots	--	--	(4)	80
Cast iron	8	1,810	137	24,900
Other iron and steel	34	6,720	433	82,000
Total carbon steel and cast iron	205	40,800	2,770	580,000
Stainless steel	21	15,500	245	167,000
Other alloy steel	45	10,700	569	131,000
Total stainless and alloy steel	66	26,300	814	297,000
Total carbon, stainless, alloy steel and cast iron	271	67,100	3,590	877,000
Ships, boats, and other vessels for breaking up (for scrapping)	(4)	6	(4)	509
Used rails for rerolling and other uses	17	3,400	85	20,300
Total scrap imports	287	70,500	3,670	898,000
Imports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	179	45,400	3,630	880,000
Pig iron > or = 0.5% phosphorus	--	--	(4)	21
Alloy pig iron	(4)	43	(4)	408
Total pig iron	179	45,400	3,630	881,000
Direct-reduced iron (DRI)	144	27,900	1,540	310,000
Spongy iron products, not DRI	(4)	585	2	4,140
Granules for abrasive cleaning and other uses	2	2,230	52	27,300
Powders of alloy steel	5	6,470	60	80,400
Other ferrous powders	4	5,960	43	65,800
Total DRI, granules, powders	155	43,100	1,690	487,000
Grand total	622	159,000	9,000	2,270,000

-- Zero.

¹Import valuation is on a Customs basis.

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

³May include revisions to previously published data.

⁴Less than ½ unit.

Source: U.S. Census Bureau.

TABLE 12
U.S. RAW STEEL PRODUCTION, RAW STEEL CAPABILITY UTILIZATION,
AND CONTINUOUS CAST STEEL PRODUCTION¹

Period	Raw steel production, thousand metric tons		Raw steel capability utilization, percent		Continuous cast steel production, percent	
	Monthly	Year	Monthly	Year	Monthly	Year
		to date ²		to date ²		to date ²
2015:						
November	5,830	72,900	62.7	70.9	99.1	99.0
December	5,960	78,800	62.1	70.1	99.3	99.0
2016:						
January	6,460	6,460	68.7	68.7	99.2	99.2
February	6,420	12,900	73.1	70.8	99.2	99.2
March	6,770	19,700	72.1	71.3	99.2	99.2
April	6,600	26,300	72.6	71.6	99.2	99.2
May	6,980	33,200	74.3	72.1	99.6	99.3
June	6,820	40,100	75.1	72.6	99.2	99.3
July	6,700	46,800	71.3	72.4	99.5	99.3
August	6,650	53,400	70.8	72.2	99.7	99.3
September	6,190	59,600	68.0	71.8	99.4	99.4
October	6,230	65,800	65.4	71.1	99.6	99.4
November	6,190	72,000	67.1	70.8	99.6	99.4

¹Data are rounded to no more than three significant digits.

²May include revisions to previously published data.

Source: American Iron and Steel Institute.

TABLE 13
COMPOSITE PRICES FOR NO. 1 HEAVY MELTING STEEL SCRAP AND PIG IRON

Period	American Metal Market		Scrap Price Bulletin			
	No. 1 HMS		No. 1 HMS		Pig Iron ¹	
	\$/t	\$/t	\$/t	\$/t	\$/t	\$/t
2015:						
November	141.81	139.57	146.57	144.26	297.18	292.19
December	142.03	139.79	149.75	147.38	276.86	272.49
Average, January–December	216.90	213.47	221.44	217.94	321.31	316.21
2016:						
January	154.87	152.42	160.17	157.64	237.54	233.79
February	157.33	154.85	163.50	160.92	218.54	215.09
March	169.00	166.33	173.25	170.51	218.54	215.09
April	210.01	206.69	209.75	206.44	254.00	249.99
May	241.27	237.46	245.83	241.95	299.72	294.99
June	223.21	219.68	221.42	217.92	299.72	294.99
July	208.40	205.11	211.42	208.08	295.91	291.24
August	208.90	205.60	209.84	206.53	292.10	287.49
September	196.64	193.53	197.67	194.55	275.59	271.24
October	179.20	176.37	178.84	176.01	268.22	263.99
November	200.45	197.28	206.42	203.16	274.32	269.99

¹Prices are Brazilian basic pig iron, f.o.b. New Orleans, LA.

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