

Mineral Industry Surveys

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IRON AND STEEL SCRAP IN DECEMBER 2016

On a daily average basis in December 2016, iron and steel scrap consumption increased slightly and home scrap production decreased slightly compared with those of November (table 1). Purchased scrap receipts in December 2016 decreased slightly from those of November. Stocks of purchased and home scrap at the end of December 2016 were down by 7% from those at the end of November. These observations are based upon responses from about 22% of the companies surveyed that manufacture pig iron and semi-finished steel products, which account for about 33% 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 7% and consumption increased by 5% compared with those of November 2016 (table 1). Stocks of pig iron at the end of December 2016 decreased by 15% from those at the end of November.

Exports of iron and steel scrap in December 2016 increased by 8% from those in November (table 6). Turkey was the leading country of destination, accounting for 25% of the total tonnage of exports, followed by China with 12% and Taiwan with 11%. New York, NY, was the leading U.S. Customs district for tonnage of exports, accounting for 23% of the total, followed by Los Angeles, CA, with 20% and San Francisco, CA, with 7% (table 7).

Imports of iron and steel scrap in December 2016 increased by 5% from those in November (table 9). Canada was the

leading country of origin, accounting for 83% of the total tonnage of imports, followed by United Kingdom with 9% and Mexico with 8%. Detroit, MI, was the leading U.S. Customs district for tonnage of imports, accounting for 41% of the total, followed by Seattle, WA, with 19% and Buffalo, NY, with 14% (table 10).

The daily average domestic raw steel production for December 2016, as calculated from the American Iron and Steel Institute's (AISI) monthly production data, was 208,000 metric tons, up slightly from that in November 2016 and up by 8% from that in December 2015 (table 12). Raw steel production capability utilization (AISI data) was 68% in December 2016, up from 67% in November and up from 62% in December 2015 (table 12). The electric furnace portion of raw steel production for December 2016 was 68%, down from 69% in November, and up from 65% in December 2015.

Continuous cast steel production accounted for 99.6% of total raw steel production in December 2016 and November 2016, and 99.3% in December 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)

	December 2016			January–December 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	1,660	3,180	18,500	20,300	38,900
Receipts from other own company plants	37	143	180	521	1,780	2,300
Production recirculating scrap	243	151	394	2,970	2,170	5,130
Production obsolete scrap	W	W	7	W	W	105
Consumption (by type of furnace):						
Blast furnace	W	W	165	W	W	1,940
Basic oxygen process	W	W	362	W	W	4,360
Electric furnace	1,320	1,810	3,130	15,300	21,100	36,400
Other (including air furnace) ⁶	W	W	215	W	W	2,550
Total consumption	1,840	2,030	3,870	21,400	23,800	45,200
Shipments	48	7	55	642	435	1,080
Stocks, end of period	1,990	1,980	3,970	1,990	1,980	3,970
Pig iron (includes hot metal):						
Receipts	261	50	311	2,520	823	3,340
Production	1,390	--	1,390	17,100	--	17,100
Consumption (by type of furnace):						
Basic oxygen process	W	W	1,580	W	W	18,500
Direct castings ⁷	W	W	172	W	W	1,970
Electric furnace	W	W	18	W	W	236
Total consumption	1,690	80	1,770	19,800	859	20,700
Shipments	--	--	--	W	--	W
Stocks, end of period	186	213	399	186	213	399
Direct-reduced iron:⁸						
Receipts	131	60	191	1,250	651	1,900
Total consumption	352	68	420	4,140	629	4,770
Stocks, end of period	208	39	247	208	39	247

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. December 2016 data are based on returns from 22% of consumer surveys, representing 33% 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	December 2016				January–December 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	507	W	536
Cut structural and plate	277	25	308	269	3,370	281	3,710
No. 1 heavy melting steel	298	48	357	248	3,570	572	4,260
No. 2 heavy melting steel	349	28	399	212	4,250	335	4,670
No. 1 and electric furnace bundles	145	W	172	200	1,970	W	1,960
No. 2 and all other bundles	63	--	69	35	775	--	780
Electric furnace 1 foot and under (not bundles)	W	W	W	W	5	W	W
Railroad rails	15	W	16	7	180	W	186
Turnings and borings	173	4	182	140	2,080	51	2,130
Slag scrap	39	63	74	143	504	808	841
Shredded and fragmented	892	W	1,040	1,410	11,200	W	12,200
No. 1 busheling	394	22	470	325	4,660	221	4,990
Steel cans (post consumer)	6	--	6	1	73	--	73
All other carbon steel scrap	212	84	297	373	2,460	1,330	3,520
Stainless steel scrap	73	27	107	62	891	319	1,340
Alloy steel scrap	26	19	48	180	314	232	553
Ingot mold and stool scrap	W	W	8	3	W	W	104
Machinery and cupola cast iron	W	--	W	W	W	--	W
Cast iron borings	13	W	14	3	159	W	160
Motor blocks	W	--	W	W	W	--	W
Other iron scrap	111	22	136	106	1,300	318	1,630
Other mixed scrap	45	30	123	111	564	370	1,460
Total	3,180	394	3,870	3,970	38,900	5,130	45,200

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	December 2016			January–December 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	341	59	399	3,890	689	4,640
North Central:						
Illinois and Indiana	390	31	437	4,750	354	5,270
Iowa, Minnesota, Nebraska, Wisconsin	213	18	234	2,500	256	2,790
Michigan	107	75	184	1,690	953	2,270
Ohio	448	84	539	5,090	1,400	6,280
Total	1,160	207	1,390	14,000	2,960	16,600
South Atlantic:						
Virginia, West Virginia	69	5	105	801	66	1,290
Georgia, North Carolina, South Carolina	247	18	277	3,100	203	3,290
Total	315	23	382	3,900	270	4,580
South Central:						
Alabama, Kentucky, Mississippi, Tennessee	608	43	731	7,500	472	8,190
Arkansas, Louisiana, Oklahoma, Texas	502	45	658	6,560	537	7,530
Total	1,110	88	1,390	14,100	1,010	15,700
Mountain and Pacific:						
California, Colorado, Oregon, Utah, Washington	250	18	310	3,000	207	3,670
Grand total	3,180	394	3,870	38,900	5,130	45,200

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	December 2016					January–December 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	129	W	W	W	W
Cut structural and plate	36	87	30	104	W	379	1,110	334	1,310	W
No. 1 heavy melting steel	57	76	16	124	25	639	944	189	1,490	302
No. 2 heavy melting steel	6	95	36	180	33	76	1,100	477	2,210	393
No. 1 and electric furnace bundles	8	95	5	34	W	89	1,270	54	513	W
No. 2 and all other bundles	10	33	W	W	W	121	418	W	W	W
Electric furnace 1 foot and under (not bundles)	--	--	--	W	--	--	W	--	W	--
Railroad rails	W	W	W	3	W	W	W	W	34	W
Turnings and borings	18	55	25	67	7	210	691	304	792	81
Slag scrap	5	16	2	15	W	61	224	22	184	W
Shredded and fragmented	68	274	142	325	82	710	3,220	1,820	4,460	986
No. 1 busheling	45	152	35	1,660	2	532	1,820	367	1,910	25
Steel cans (post consumer)	W	W	W	--	--	W	W	W	--	--
All other carbon steel scrap	27	139	W	40	3	339	1,590	W	464	31
Stainless steel scrap	35	12	--	W	--	424	162	--	W	--
Alloy steel scrap	2	22	W	W	--	17	269	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	12	W
Other iron scrap	5	33	W	6	W	61	367	W	76	W
Other mixed scrap	W	20	W	5	W	W	246	W	48	W
Total	341	1,160	315	1,110	250	3,890	14,000	3,900	14,100	3,000

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	December 2016					January–December 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	128	W	W	W	W
Cut structural and plate	41	101	41	106	W	412	1,220	531	1,310	239
No. 1 heavy melting steel	59	106	17	148	26	686	1,260	221	1,770	317
No. 2 heavy melting steel	11	104	45	202	W	126	1,160	551	2,390	W
No. 1 and electric furnace bundles	8	105	5	51	W	90	1,300	54	476	W
No. 2 and all other bundles	9	32	8	17	W	116	417	W	W	W
Electric furnace 1 foot and under (not bundles)	--	W	--	W	--	--	W	--	W	--
Railroad rails	W	W	--	3	W	W	W	--	34	W
Turnings and borings	20	58	26	71	7	23	717	310	788	81
Slag scrap	10	36	2	24	W	115	374	26	301	W
Shredded and fragmented	64	295	176	419	82	702	3,480	2,090	4,960	986
No. 1 busheling	45	163	30	230	2	532	1,950	369	2,120	25
Steel cans (post consumer)	W	W	W	--	--	W	W	W	--	--
All other carbon steel scrap	44	187	6	56	3	555	2,230	76	630	33
Stainless steel scrap	53	18	--	W	--	632	268	--	W	--
Alloy steel scrap	10	30	--	W	--	116	333	--	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	19	W
Motor blocks	--	W	--	--	--	--	W	--	--	--
Other iron scrap	7	45	W	7	W	76	538	W	86	W
Other mixed scrap	W	53	W	4	W	W	653	W	47	W
Total	399	1,390	382	1,390	310	4,640	16,600	4,580	15,700	3,670

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	December 2016		January–December ³	
	Quantity	Value	Quantity	Value
North America and South America:				
Brazil	--	--	22	5,910
Canada	41	9,750	714	131,000
Ecuador	32	7,970	40	9,210
Mexico	125	28,000	1,490	341,000
Peru	30	7,360	394	85,800
Other ⁴	(5)	92	5	2,310
Total	228	53,200	2,660	575,000
Africa, Europe, Middle East:				
Belgium	1	700	9	10,800
Egypt	--	--	122	29,600
France	(5)	17	1	929
Germany	(5)	84	3	2,900
Greece	34	7,950	203	42,100
Italy	(5)	100	2	1,720
Kuwait	128	28,900	442	104,000
Netherlands	(5)	222	8	6,410
Saudi Arabia	(5)	28	50	10,600
Sweden	(5)	220	3	3,780
Turkey	299	71,600	3,170	687,000
United Arab Emirates	1	535	15	5,250
Other ⁴	(5)	483	7	4,190
Total	464	111,000	4,030	909,000
Asia, Australia, Oceania:				
Bangladesh	1	376	296	64,500
China	143	88,800	886	661,000
Hong Kong	3	2,020	43	29,900
India	39	12,700	1,110	318,000
Indonesia	8	2,490	61	17,700
Japan	2	2,640	54	35,200
Korea, Republic of	59	17,400	848	211,000
Malaysia	5	1,620	34	12,000
Pakistan	49	18,400	451	166,000
Taiwan	135	43,000	1,370	382,000
Thailand	34	8,600	427	95,800
Vietnam	47	12,300	380	88,000
Other ⁴	(5)	26	2	1,410
Total	525	210,000	5,960	2,080,000
Grand total	1,220	374,000	12,700	3,570,000

-- 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–December 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	December 2016		January–December ³	
	Quantity	Value	Quantity	Value
Canada–United States border:				
Buffalo, NY	4	1,700	191	35,600
Detroit, MI	16	3,600	188	40,100
Duluth, MN	(4)	244	7	3,330
Great Falls, MT	5	1,320	11	2,620
Ogdensburg, NY	1	208	14	1,850
Pembina, ND	9	2,290	94	20,700
Other	4	770	74	10,800
Total	39	10,100	578	115,000
East coast:				
Baltimore, MD	78	21,600	341	106,000
Boston, MA	49	11,900	863	195,000
Charleston, SC	6	3,580	68	40,300
Miami, FL	32	10,000	316	97,400
New York City, NY	283	85,400	2,090	597,000
Norfolk, VA	23	13,700	211	121,000
Philadelphia, PA	47	11,700	918	206,000
Portland, ME	3	854	135	28,000
Providence, RI	63	14,000	535	118,000
Savannah, GA	15	6,880	136	76,700
St. Albans, VT	1	214	64	7,000
Washington, DC	(4)	40	(4)	68
Wilmington, NC	(4)	110	4	3,660
Total	600	180,000	5,680	1,600,000
Gulf coast and Mexico–United States border (includes Caribbean territories):				
El Paso, TX	10	2,350	92	21,100
Houston–Galveston, TX	21	11,100	343	130,000
Laredo, TX	30	5,850	448	109,000
Mobile, AL	(4)	182	54	13,900
New Orleans, LA	(4)	164	35	14,600
San Juan, PR	4	1,360	111	26,000
Tampa, FL	62	16,700	282	77,500
Other	(4)	50	(4)	162
Total	128	37,800	1,370	392,000
West coast and Hawaii:				
Columbia–Snake, OR	74	17,000	566	125,000
Honolulu, HI, and Anchorage, AK	2	389	102	20,400
Los Angeles, CA	238	89,200	2,200	773,000
San Diego, CA	25	5,100	284	58,300
San Francisco, CA	86	23,700	1,330	322,000
Seattle, WA	26	11,100	551	165,000
Total	451	147,000	5,030	1,460,000
Grand total	1,220	374,000	12,700	3,570,000

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	December 2016		January–December ³	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	321	82,500	3,640	830,000
No. 2 heavy melting steel	49	11,900	529	120,000
No. 1 bundles	4	952	89	20,800
No. 2 bundles	1	125	7	1,430
Shredded steel scrap	449	112,000	4,370	990,000
Borings, shovelings and turnings	(4)	86	6	1,330
Cut plate and structural	63	15,900	562	146,000
Tinned iron or steel	5	1,560	59	16,200
Remelting scrap ingots	(4)	102	8	5,830
Cast iron	14	5,300	159	58,700
Other iron and steel	176	60,100	1,800	582,000
Total carbon steel and cast iron	1,080	290,000	11,200	2,770,000
Stainless steel	49	46,900	654	442,000
Other alloy steel	86	37,300	766	354,000
Total stainless and alloy steel	135	84,200	1,420	796,000
Total carbon, stainless, alloy steel and cast iron	1,220	374,000	12,700	3,570,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	3	435
Used rails for rerolling and other uses	2	2,320	16	18,600
Total scrap exports	1,220	377,000	12,700	3,590,000
Exports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	2	576	14	3,770
Pig iron > or = 0.5% phosphorus	--	--	2	312
Alloy pig iron	--	--	21	130
Total pig iron	2	576	37	4,210
Direct-reduced iron (DRI)	--	--	178	21,600
Spongy iron products, not DRI	1	5,120	17	12,500
Granules for abrasive cleaning and other uses	2	2,340	29	35,700
Powders of alloy steel	2	5,840	22	57,400
Other ferrous powders	7	7,330	91	99,700
Total DRI, granules, powders	11	20,600	337	227,000
Grand total	1,230	398,000	13,000	3,820,000

-- Zero.

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	December 2016		January–December ³	
	Quantity	Value	Quantity	Value
Canada	235	57,100	2,800	656,000
China	(4)	79	4	1,250
France	(4)	132	1	581
Germany	(4)	37	29	6,320
India	(4)	10	1	502
Japan	(4)	176	2	914
Mexico	22	10,400	229	95,900
Netherlands	--	--	180	39,700
Sweden	(4)	11	261	63,100
United Kingdom	26	7,080	355	83,200
Other ⁵	2	630	11	5,190
Total	285	75,700	3,870	953,000

-- Zero.

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–December 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	December 2016		January–December ³	
	Quantity	Value	Quantity	Value
Baltimore, MD	--	--	1	234
Buffalo, NY	41	12,900	453	147,000
Charleston, SC	(4)	28	280	62,500
Cleveland, OH	(4)	19	20	1,360
Detroit, MI	118	30,200	1,370	334,000
Duluth, MN	7	1,450	96	20,800
El Paso, TX	3	1,180	29	9,860
Galveston, TX	(4)	915	2	2,470
Great Falls, MT	2	312	29	5,920
Laredo, TX	11	5,350	136	60,000
Los Angeles, LA	(4)	36	1	861
Miami, FL	1	102	4	816
Mobile, AL	30	9,070	164	46,600
New Orleans, LA	(4)	19	417	99,000
Nogales, AZ	1	221	8	2,500
Ogdensburg, NY	1	329	18	5,310
Pembina, ND	9	2,230	160	33,100
Philadelphia, PA	1	257	1	375
Portland, ME	(4)	73	5	1,710
San Diego, CA	3	799	22	7,640
Seattle, WA	53	8,750	610	100,000
St. Albans, VT	4	858	39	7,450
Other	(4)	599	6	2,930
Total	285	75,700	3,870	953,000

-- Zero.

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	December 2016		January–December ³	
	Quantity	Value	Quantity	Value
No. 1 heavy melting steel	11	2,450	147	28,200
No. 2 heavy melting steel	7	1,540	95	19,300
No. 1 bundles	73	19,200	1,030	243,000
No. 2 bundles	4	799	69	15,200
Shredded steel scrap	52	10,100	715	146,000
Borings, shovelings and turnings	5	885	45	7,540
Cut plate and structural	17	3,970	185	37,600
Tinned iron or steel	9	1,750	89	16,700
Remelting scrap ingots	--	--	(4)	80
Cast iron	9	2,370	146	27,200
Other iron and steel	36	7,400	469	89,400
Total carbon steel and cast iron	222	50,400	3,000	630,000
Stainless steel	18	15,100	263	182,000
Other alloy steel	46	10,100	615	141,000
Total stainless and alloy steel	63	25,300	878	323,000
Total carbon, stainless, alloy steel and cast iron	285	75,700	3,870	953,000
Ships, boats, and other vessels for breaking up (for scrapping)	--	--	(4)	509
Used rails for rerolling and other uses	10	2,430	95	22,800
Total scrap imports	295	78,100	3,970	976,000
Imports of manufactured ferrous products:				
Pig iron < or = 0.5% phosphorus	236	66,800	3,870	947,000
Pig iron > or = 0.5% phosphorus	--	--	(4)	21
Alloy pig iron	(4)	10	(4)	418
Total pig iron	236	66,800	3,870	948,000
Direct-reduced iron (DRI)	173	36,900	1,710	347,000
Spongy iron products, not DRI	(4)	296	2	4,440
Granules for abrasive cleaning and other uses	2	2,060	54	29,300
Powders of alloy steel	5	6,800	65	87,200
Other ferrous powders	3	6,000	47	71,800
Total DRI, granules, powders	184	52,100	1,880	539,000
Grand total	715	197,000	9,710	2,460,000

-- 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 to date ²	Monthly	Year to date ²	Monthly	Year to date ²
2015:						
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
December	6,460	78,500	67.8	70.5	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	
	\$/lt	\$/t	\$/lt	\$/t	\$/lt	\$/t
2015:						
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
December	238.49	234.72	245.72	241.84	321.73	316.65

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

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