Annual Data 2016

Copper Supply & Consumption – 1995–2015

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Copper Development Association Inc.
Copper Alliance

Preface

Statistical data on the supply and consumption of copper and copper alloys in the United States are available from many governmental and private sources. In this report, original data from these sources are brought together and rationalized by CDA and Global Market Consultants, Inc. (GMC) to provide a set of data on U.S. copper supply and consumption that is both consistent and accurate in all aspects from mine to end-use market.

The main sources of information assembled here are the U.S. Geological Survey in the U.S. Department of the Interior, the Bureau of the Census in the U.S. Department of Commerce, and Copper Development Association Inc. Where data from different sources are conflicting, and where original data appear to be in error, the best judgment has been applied. General sources are shown in the tables throughout the report. Those interested to know the specific sources of any of the data should contact CDA.

The statistics are arranged in a logical sequence to trace the flow of copper in the U.S. economy from mining and scrap collection through smelting, refining and ingot making to the wire rod and wire mills, brass mills, and foundries and then on to the final end-use markets. This flow is shown schematically on pages 4 and 5. On this schematic flow sheet the major statistics of copper supply and consumption in the United States for 2015 appear. Along with each major statistic on the chart, a reference is shown. This reference identifies the table in the report where details on that item, from 1995 through 2015, will be found. Most data for 2015 are preliminary.

There are four major tables in the report. **Table 1** covers the supply of primary copper. **Table 2** presents data on the supply of copper from secondary sources. In **Table 3**, statistics on the consumption of primary and secondary metals by mills, foundries and other industries are summarized. These three tables are provided by GMC.

Finally, **Table 4** details the supply of mill, foundry and powder products and their consumption in the five end-use market areas. In each of these tables, additions to the flow (such as net imports) are indicated as positive numbers, while subtractions from the flow (such as melting losses or net additions to stocks) are shown in parentheses.

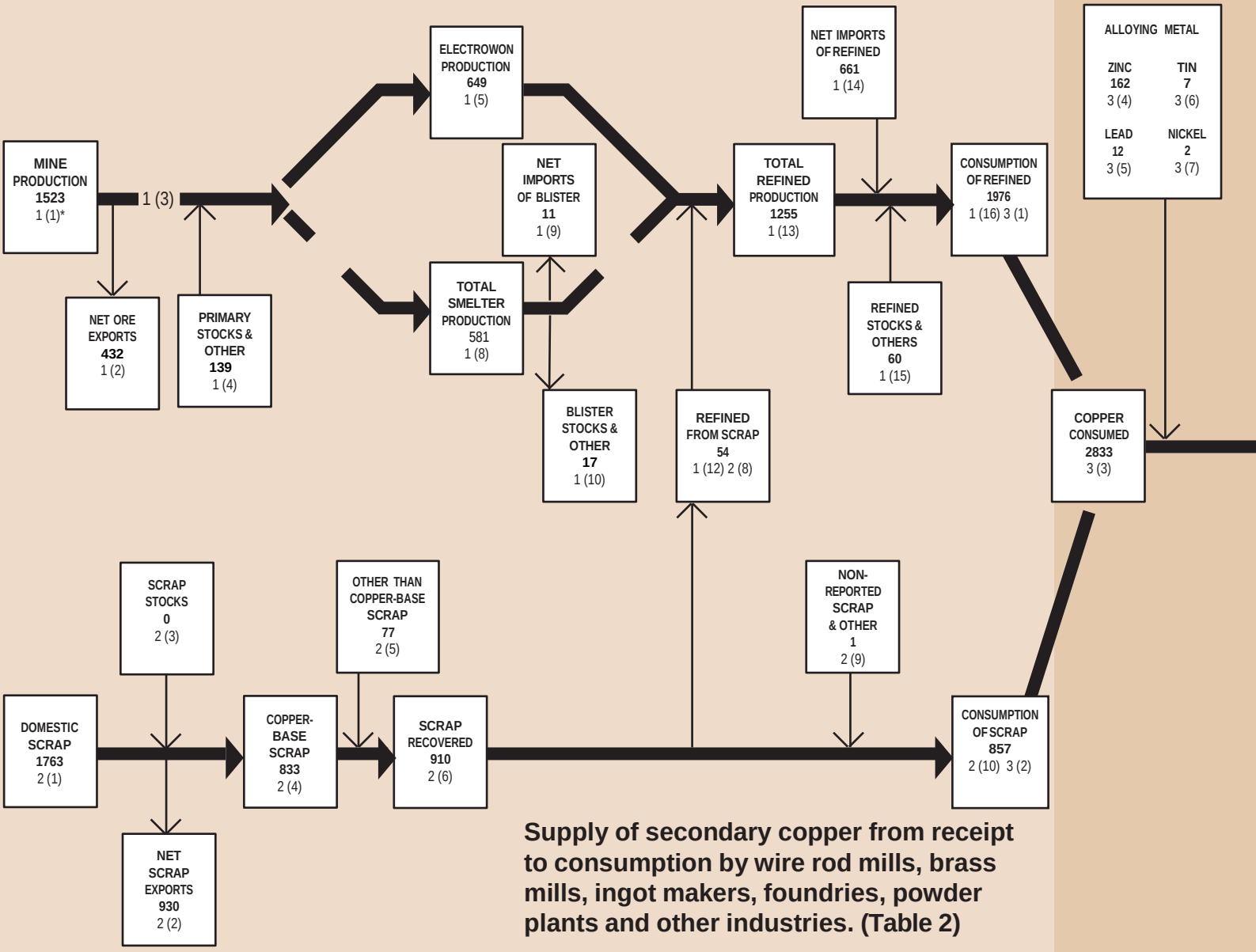
The arrangement of the data in the report can be illustrated with an example. Consider Mine Production, the upper left-hand box in the flow sheet on **page 4**. As shown in the box, mine production of copper in the United States totaled 1,523 thousand short tons in 2015. Beneath this figure a number appears referring to Table 1, abbreviated 1 (1). This means that in **Table 1**, on Line (1), mine production is shown for the full period 1995 through 2015. In **Table 1**, on Line (1), a further reference will be found after the item heading Mine Production, directing the reader elsewhere on page 6. In fact, on page 6, a table entitled **Table 1, Item 1** presents the data on mine production by state for 1995 through 2015. In this way all the data on supply and consumption appear in logical sequence proceeding through the report, eliminating the need for explanatory text.

Contents

Copper supply and consumption in the United States – 2015

Supply of primary copper from mine to consumption by wire rod mills, brass mills, ingot makers, foundries, powder plants and other industries. (Table 1)

COPPER CONTENT, thousands of short tons



Supply of secondary copper from receipt to consumption by wire rod mills, brass mills, ingot makers, foundries, powder plants and other industries. (Table 2)

COPPER CONTENT, thousands of short tons

*1 (1) Refers to table and item in report where data for 1995 through 2015 appear.

Note: Numbers may not sum due to rounding.

Consumption of metals by wire rod mills, brass mills, ingot makers, foundries, powder plants and other industries. (Table 3)

METAL CONTENT, thousands of short tons

Supply of wire mill, brass mill, foundry and powder products and their consumption in the end-use markets. (Table 4)

METAL CONTENT, millions of pounds

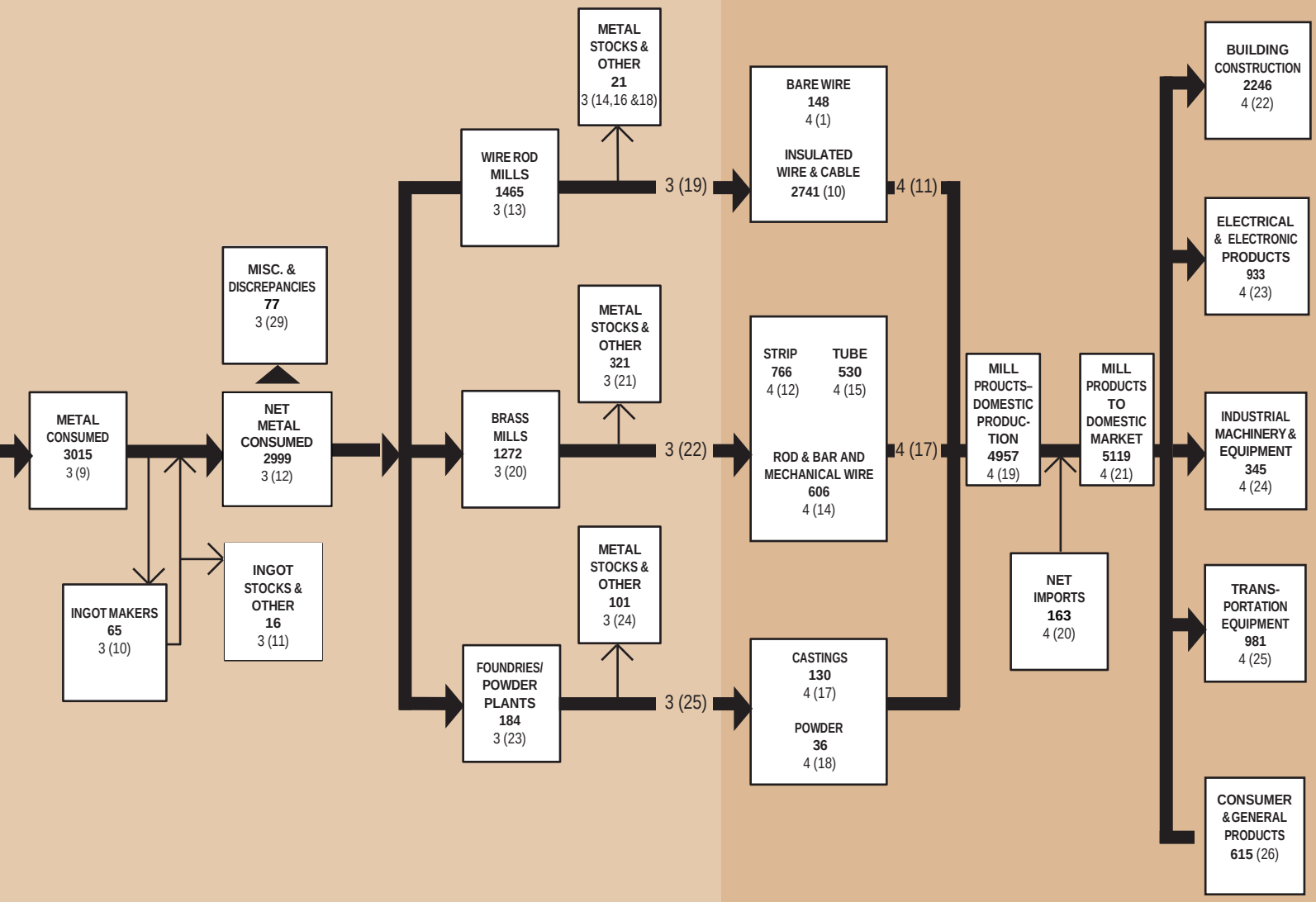


Table 1.

Supply of primary copper from mine to consumption by wire rod mills, brass mills, ingot makers, foundries, powder plants and other industries

		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		2015p
(1)	Mine Production (page 6).....	2,040	2,116	2,138	2,051	1,763	1,598	1,477	1,256	1,230	1,275	1,257	1,319	1,287	1,444	1,302	1,224	1,227	1,290	1,376	1,490	r	1,523
(2)	Net Ore/Conc./Matte Imports (page 8)[(a)]....	(159)	(174)	(153)	177	50	(225)	(24)	36	4	(24)	(195)	(222)	(214)	(381)	(166)	(150)	(261)	(325)	(379)	(452)	r	(432)
(3)	Total Primary.....	1,881	1,942	1,985	2,228	1,813	1,373	1,453	1,292	1,234	1,251	1,062	1,097	1,074	1,063	1,136	1,074	966	965	997	1,038	r	1,092
(4)	Primary Stocks and Other.....	91	113	248	85	35	185	164	123	12	(10)	126	39	162	127	46	62	120	89	96	104	r	139
(5)	Electrowon Production.....	594	633	646	671	646	613	692	662	652	644	611	584	556	560	525	474	493	519	524	567		649
(6)	Smelter Production from Primary.....	1,378	1,422	1,587	1,642	1,202	945	925	753	594	597	577	552	680	630	658	663	593	535	569	575		581
(7)	Smelter Production from Scrap.....	390	374	314	256	226	157	88	—	—	—	—	—	—	—	—	—	—	—	—	—		—
(8)	Total Smelter Production (page 8).....	1,768	1,796	1,901	1,898	1,428	1,102	1,013	753	594	597	577	552	680	630	658	663	593	535	569	575		581
(9)	Net Imports of Blister/Anode (page 8).....	72	155	123	135	179	178	270	127	144	115	100	167	152	110	49	10	(15)	(15)	(11)	(12)		(11)
(10)	Blister/Anode Stocks and Other (page 9)...	(70)	(154)	(133)	(125)	5	(3)	(87)	48	(9)	27	45	24	23	51	(9)	22	23	21	14	28		(17)
(11)	Refined Production from Blister/Anode.....	1,770	1,797	1,891	1,908	1,612	1,277	1,196	928	729	740	721	744	855	791	699	694	601	541	571	591		552
(12)	Refined Production from Scrap.....	151	168	180	162	81	87	72	77	59	56	52	49	51	60	51	42	41	44	52	51		54
(13)	Total Refined Production (page 9).....	2,515	2,598	2,717	2,741	2,339	1,977	1,960	1,667	1,440	1,439	1,384	1,378	1,462	1,411	1,275	1,210	1,135	1,104	1,146	1,208		1,255
(14)	Net Imports of Refined (page 9).....	233	497	611	703	981	1,019	1,295	1,136	622	636	1,023	1,117	861	776	643	581	734	519	685	543		661
(15)	Refined Stocks and Other (page 10).....	51	(210)	(254)	(263)	(29)	339	(368)	(197)	462	587	99	(168)	33	41	(101)	157	68	317	182	181	r	60
(16)	Consumption of Refined (page 10).....	**2,799**	**2,885**	**3,074**	**3,181**	**3,291**	**3,335**	**2,887**	**2,606**	**2,524**	**2,662**	**2,506**	**2,327**	**2,356**	**2,228**	**1,817**	**1,947**	**1,936**	**1,940**	**2,013**	**1,933**	**r**	**1,976**

Source: U.S. Department of the Interior, U.S. Geological Survey

p - preliminary, r - revised

(a) - Included with domestic ore.

Numbers may not sum due to rounding.

Table 1, Item 1.

Copper content of mine production in the United States[1]

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		2015p
Arizona.....	1,290	1,367	1,378	1,312	1,157	1,024	969	845	817	797	761	785	806	923	784	775	828	843	876	980	r	1,062
Other States[(a)].....	750	749	760	739	606	574	508	411	413	478	496	535	482	521	518	448	399	446	499	510	r	462
**TOTAL.....	**2,040**	**2,116**	**2,138**	**2,051**	**1,763**	**1,598**	**1,477**	**1,256**	**1,230**	**1,275**	**1,257**	**1,319**	**1,287**	**1,444**	**1,302**	**1,224**	**1,227**	**1,290**	**1,376**	**1,490**	**r**	**1,523**

Source: U.S. Department of the Interior, U.S. Geological Survey

p - preliminary, r - revised

(a) - Includes California, Colorado, Idaho, Illinois, Kentucky, Maine, Michigan, Missouri, Montana, Nevada, New Mexico, Oregon, Pennsylvania, Tennessee, Utah and Washington.

(1) Copper content of concentrates, precipitates, or electrowon.

Numbers may not sum due to rounding.

Table 1, Item 1a.

Copper content of world mine production[1]

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		2015p
Australasia																						
Australia	438	603	615	669	792	914	960	968	915	941	1,010	947	960	974	941	959	1,058	1,015	1,100	1,070	r	1,067
Papua New Guinea	234	205	123	167	207	224	225	233	216	191	213	214	187	176	184	176	144	138	116	84		53
Total Australasia	**673**	**808**	**738**	**836**	**999**	**1,138**	**1,185**	**1,201**	**1,131**	**1,133**	**1,223**	**1,161**	**1,147**	**1,150**	**1,125**	**1,135**	**1,202**	**1,153**	**1,217**	**1,153**	**r**	**1,119**
Americas																						
Argentina	—	—	34	171	220	160	211	225	219	194	206	199	199	173	158	155	129	150	121	113		68
Brazil	53	48	43	42	32	34	33	34	30	109	144	158	227	243	228	236	238	244	299	324		382
Canada	801	759	727	777	684	699	698	665	615	620	656	665	657	669	540	579	624	638	697	767		769
Chile	2,743	3,435	3,739	4,064	4,840	5,073	5,224	5,049	5,406	5,966	5,865	5,909	6,125	5,873	5,941	5,973	5,801	5,990	6,367	6,338		6,354
Mexico	368	376	431	424	420	402	409	363	394	447	473	368	372	272	263	298	485	551	531	568	r	596
Peru	452	534	560	533	591	611	796	931	929	1,142	1,113	1,156	1,312	1,398	1,407	1,375	1,362	1,431	1,516	1,521		1,875
United States	2,040	2,116	2,138	2,051	1,763	1,598	1,477	1,256	1,230	1,275	1,257	1,319	1,288	1,444	1,302	1,224	1,227	1,290	1,376	1,488	r	1,521
Total Americas	**6,500**	**7,304**	**7,714**	**8,089**	**8,550**	**8,577**	**8,848**	**8,523**	**8,823**	**9,754**	**9,715**	**9,774**	**10,180**	**10,072**	**9,838**	**9,839**	**9,866**	**10,294**	**10,907**	**11,118**	**r**	**11,564**
Europe																						
Bulgaria	85	96	95	93	107	103	107	105	103	104	104	122	121	116	116	116	126	119	121	121		121
Poland	424	466	457	481	511	501	522	554	546	585	564	548	498	473	484	469	470	471	473	464		470
Portugal	143	119	117	126	110	84	91	85	85	105	99	87	99	99	96	82	88	81	84	83		90
Scandinavia	110	98	112	92	89	99	95	95	108	108	112	110	84	78	76	101	107	119	134	135	r	129
Serbia	82	77	81	78	57	51	30	34	23	13	14	13	18	21	21	0	—	—	—	—		—
Total Europe	**845**	**856**	**862**	**870**	**873**	**838**	**845**	**873**	**865**	**916**	**893**	**880**	**821**	**786**	**793**	**767**	**791**	**790**	**812**	**803**	**r**	**810**
Asia																						
Russian Federation	580	577	557	584	590	584	595	730	694	694	705	744	761	777	745	775	799	794	799	816	r	816
Armenia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	56	r	91
China	623	621	687	678	737	795	802	780	816	977	998	1,126	1,043	1,205	1,171	1,300	1,402	1,642	1,891	1,963	r	1,881
India	51	53	41	44	38	37	38	34	32	33	25	32	36	31	33	36	40	33	43	32		39
Indonesia	507	579	604	892	866	1,107	1,155	1,282	1,106	929	1,174	900	870	717	1,098	962	599	439	561	418		418
Iran	112	114	131	141	143	143	146	146	162	161	181	238	269	273	289	283	334	271	246	239		271
Kazakhstan[3]	256	276	349	373	412	474	518	522	535	509	443	479	448	465	448	419	479	460	493	484		489
Laos[4]	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	171	176		185
Mongolia[0]	—	—	—	—	—	—	—	—	—	—	—	—	146	143	142	139	137	137	219	295		366
Philippines	119	68	54	50	41	35	26	21	22	18	18	19	24	24	52	65	70	72	102	99		93
Turkey	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	134		138
Total Asia	**2,248**	**2,288**	**2,423**	**2,762**	**2,827**	**3,175**	**3,280**	**3,515**	**3,367**	**3,322**	**3,544**	**3,538**	**3,598**	**3,634**	**3,976**	**3,979**	**3,859**	**3,848**	**4,525**	**4,711**		**4,786**
Africa																						
Congo	39	55	44	39	34	36	42	42	70	82	111	141	157	236	332	401	529	619	925	1,008		1,003
Namibia	25	20	20	7	—	6	17	20	18	15	12	7	11	10	—	—	4	6	5	6		15
South Africa	208	208	205	207	177	179	123	100	99	96	98	99	107	120	119	113	127	89	84	87	r	86
Zambia	347	400	383	347	309	275	349	376	384	443	477	523	561	612	614	756	864	766	838	776		776
Total Africa	**619**	**683**	**652**	**600**	**520**	**496**	**531**	**538**	**571**	**636**	**697**	**769**	**836**	**977**	**1,065**	**1,270**	**1,524**	**1,480**	**1,852**	**1,877**	**r**	**1,880**
Other[6]	**255**	**335**	**348**	**339**	**333**	**339**	**331**	**320**	**320**	**520**	**548**	**600**	**476**	**509**	**741**	**686**	**720**	**856**	**828**	**716**	**r**	**943**
TOTAL WORLD	**11,140**	**12,274**	**12,737**	**13,497**	**14,103**	**14,563**	**15,020**	**14,970**	**15,077**	**16,281**	**16,620**	**16,721**	**17,057**	**17,127**	**17,539**	**17,676**	**17,962**	**18,421**	**20,141**	**20,380**	**r**	**21,103**

Sources: International Copper Study Group

p - preliminary r -revised

(1) Copper content of concentrates, precipitates, or electrowon.

(2) Included in "Other" starting in 1995.

(3) Kazakhstan reported separately from the Russian Federation starting in 1992; included with Russian Federation for 1986-1991.

(4) Laos no longer included with Other starting in 2013.

(5) Mongolia no longer included with China starting in 2007.

(6) Includes countries from various continents, making the continent totals somewhat low.

Numbers may not sum due to rounding.

Table 1, Item 2.

Imports and exports of copper ore, concentrates, matte, ash and preciptates in the United States

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015p
Imports (Ore, Cencentrate, Matte, Ash)……	143	82	51	242	160	2	52	80	32	27	2	2	3	2	0	2	17	7	5	0 r	0
Exports (Ore, Cencentrate, Matte, Ash)……	(302)	(256)	(204)	(65)	(110)	(227)	(76)	(44)	(28)	(51)	(197)	(224)	(217)	(383)	(166)	(151)	(278)	(332)	(384)	(452)	(432)
Net Imports (Ore, Concentrate, Matte, Ash)[(a)]…….	**(159)**	**(174)**	**(153)**	**177**	**50**	**(225)**	**(24)**	**36**	**4**	**(24)**	**(195)**	**(222)**	**(214)**	**(381)**	**(166)**	**(150)**	**(261)**	**(325)**	**(379)**	**(452) r**	**(432)**

Source: U.S. Department of the Interior, U.S. Geological Survey.

p - preliminary, r - revised

(a) - ( ) sign denotes net exports.

Numbers may not sum due to rounding.

Table 1, Item 8.

Smelter production of copper in the United States

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015p
Smelter Production - Domestic Ore (Table 1, Item 6)……	1,378	1,422	1,587	1,642	1,202	945	925	753	594	597	577	552	680	630	658	662	593	535	569	575	581
Smelter Production - Foreign Ore	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Smelter Production - Scrap (Table 1, Item 7)	390	374	314	256	226	157	88	—	—	—	—	—	—	—	—	—	—	—	—	—	—
TOTAL SMELTER PRODUCTION……	**1,768**	**1,796**	**1,901**	**1,898**	**1,428**	**1,102**	**1,013**	**753**	**594**	**597**	**577**	**552**	**680**	**630**	**658**	**662**	**593**	**535**	**569**	**575**	**581**

Source: U.S. Department of the Interior, U.S. Geological Survey.

p - preliminary, r - revised

(a) - Included with domestic ore.

Numbers may not sum due to rounding.

Table 1, Item 9.

Imports and exports of blister and anode copper in the United States

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015p
Imports of Blister/Anode Copper……	104	181	158	165	213	204	299	163	173	166	146	188	169	136	75	29	1	1	1	1	0
Exports of Blister/Anode Copper……	(33)	(26)	(35)	(30)	(34)	(26)	(29)	(36)	(29)	(51)	(46)	(21)	(17)	(26)	(26)	(19)	(16)	(15)	(12)	(13)	(12)
Net Imports of Blister/Anode Copper……	**72**	**155**	**123**	**135**	**179**	**178**	**270**	**127**	**144**	**115**	**100**	**167**	**152**	**110**	**49**	**10**	**(15)**	**(15)**	**(11)**	**(12)**	**(11)**

Source: U.S. Department of the Interior, U.S. Geological Survey.

p - preliminary, r - revised

Numbers may not sum due to rounding.

Table 1, Item 10.

Blister and anode stocks and other

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015p
End-of-Year Blister/Anode Copper Stocks.....	192	191	198	176	152	134	108	49	63	57	49	21	29	27	17	29	14	14	14	11 r	15
Net Change[(a)].....	3	(1)	7	(22)	(24)	(18)	(26)	(59)	14	(6)	(8)	(28)	8	(2)	(10)	12	(15)	(1)	0	(3) r	4
Apparent Change[(b)].....	70	154	133	125	(5)	3	87	(48)	9	(27)	(45)	(24)	(23)	(51)	(9)	(22)	(23)	(21)	(14)	(28)	17

Source: U.S. Department of the Interior, U.S. Geological Survey.

p - preliminary, r - revised

(a) - Net Change - the year-to-year increase (+) or decrease ( ) of blister copper stocks as reported.

(b) - Apparent Change - the difference between Line 11 and the sum of Lines 8 & 9 in Table 1, required to rationalize the CDA flow sheet. Factors other than changes in stocks are included in the apparent change.
The sign of the data + or ( ) is opposite that shown in Table 1.

Numbers may not sum due to rounding.

Table 1, Item 13.

Production of refined copper in the United States

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015p
Refined Production - Primary Sources																					
(Table 1, Items 1,2,4,9 and 10).....	1,974	2,056	2,223	2,323	2,032	1,733	1,800	1,590	1,381	1,383	1,332	1,328	1,411	1,351	1,224	1,168	1,093	1,060	1,095	1,157	1,202
Refined Production - Scrap at Smelters																					
(Table 1, Item 7).....	390	374	314	256	226	157	88	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refined Production - Scrap at Refiners																					
(Table 1, Item 12).....	151	168	180	162	81	87	72	77	59	56	52	49	51	60	51	42	41	44	52	51	54
TOTAL REFINED PRODUCTION.....	**2,515**	**2,598**	**2,717**	**2,741**	**2,339**	**1,977**	**1,960**	**1,667**	**1,440**	**1,439**	**1,384**	**1,378**	**1,462**	**1,411**	**1,275**	**1,210**	**1,135**	**1,104**	**1,146**	**1,208**	**1,255**

Source: U.S. Department of the Interior, U.S. Geological Survey.

p - preliminary, r - revised

Numbers may not sum due to rounding.

Table 1, Item 14.

Imports and exports of refined copper in the United States

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015p
General Imports of Refined Copper [1].....	473	684	714	799	1,009	1,126	1,321	1,168	758	776	1,077	1,184	917	798	732	667	739	694	809	683	756
Total Exports of Refined Copper.....	(240)	(187)	(103)	(96)	(28)	(107)	(26)	(32)	(136)	(140)	(54)	(67)	(56)	(22)	(89)	(86)	(5)	(175)	(125)	(140)	(95)
Net Imports of Refined Copper.....	**233**	**497**	**611**	**703**	**981**	**1,019**	**1,295**	**1,136**	**622**	**636**	**1,023**	**1,117**	**861**	**776**	**643**	**581**	**734**	**519**	**685**	**543**	**661**

Source: U.S. Department of the Interior, U.S. Geological Survey.

p - preliminary, r - revised

[1] General Imports measure the total physical arrivals of merchandise from foreign countries, whether such merchandise enters consumption channels immediately or is entered into bonded warehouses or Foreign Trade Zones under Customs custody.

Numbers may not sum due to rounding.

Table 1, Item 15.

Refined stocks and other

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		2015p
End-of year Refined Copper Stocks at:																						
Refineries	42	36	66	49	11	16	32	13	13	11	9	31	24	17	26	11	9	14	17	11	r	13
Wire Rod Mills	27	35	27	41	37	44	41	25	33	22	22	24	23	25	28	22	26	31	36	46		49
Brass Mills	8	15	16	23	26	26	28	32	22	24	27	38	11	9	8	7	8	7	7	7		9
Other Processors	3	3	4	4	4	5	5	5	5	4	6	6	6	4	5	5	5	5	5	5	r	5
Government	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—
Commodity Exchange	24	29	92	94	92	65	269	399	281	48	7	34	15	36	99	65	88	71	17	27		70
London Metal Exchange [1]	75	42	142	376	454	225	680	662	369	39	1	83	67	117	312	313	315	132	204	112		92
End-of Year Total	**179**	**160**	**347**	**587**	**624**	**381**	**1,055**	**1,136**	**723**	**148**	**73**	**216**	**146**	**207**	**478**	**423**	**451**	**260**	**285**	**208**	**r**	**238**
Net Change [(a)]	64	(19)	187	240	37	(243)	674	81	(413)	(575)	(75)	144	(70)	61	271	(56)	29	(191)	25	(77)	r	30
Apparent Change [(b)]	(51)	210	254	263	29	(339)	368	197	(462)	(587)	(99)	168	(33)	(41)	101	(157)	(68)	(317)	(182)	(181)	r	(60)

Source: U.S. Department of the Interior, U.S. Geological Survey.

p - preliminary, r - revised

(a) - Net Change - the year-to-year increase (+) or decrease ( ) of refined copper stocks as reported.

(b) - Apparent Change - the difference between Line 16 and the sum of Lines 13 and 14 in Table 1, required to rationalize the CDA flow sheet. Factors other than changes in stocks are included in the apparent change. The sign of the data (+) or ( ) is opposite that shown in Table 1.

[1] Prior to 1995 there were no LME warehouses in the USA.

Numbers may not sum due to rounding.

Table 1, Item 16.

Consumption of refined copper in the United States

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		2015p
Consumption of Refined Copper by:																						
Wire Rod Mills	2,149	2,183	2,362	2,396	2,458	2,469	2,138	1,885	1,809	1,962	1,852	1,731	1,775	1,642	1,257	1,378	1,400	1,411	1,444	1,400	r	1,444
Brass Mills	588	648	659	727	762	797	687	654	647	632	582	540	525	528	500	506	474	467	504	467	r	466
Ingot Makers	9	4	5	6	5	5	5	5	5	5	5	5	5	3	0	0	0	0	0	0		0
Foundries and Other Industries [(a)]	53	50	52	57	66	64	57	62	63	63	67	51	51	55	60	63	62	62	65	65	r	65
Powder Plants [(a)]	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)		(a)
Other Industries	0	0	(4)	(5)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—
TOTAL REFINED CONSUMPTION	**2,799**	**2,885**	**3,074**	**3,181**	**3,291**	**3,335**	**2,887**	**2,606**	**2,524**	**2,662**	**2,506**	**2,327**	**2,356**	**2,228**	**1,817**	**1,947**	**1,936**	**1,940**	**2,013**	**1,933**	**r**	**1,976**

Source: U.S. Department of the Interior, U.S. Geological Survey.

p - preliminary, r - revised

(a) - Starting with 1995 Powder Plants data are included with Foundries. Starting in 2008 Ingot Makers data are also included with Foundries.

Numbers may not sum due to rounding.

Table 2.

Supply of secondary copper from receipt to consumption by brass mills, ingot makers, foundries, powder plants and other industries

		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	212	2013	2014		2015p
(1)	Receipts of Domestic Scrap.....	1,595	1,534	1,696	1,598	1,542	1,667	1,570	1,423	1,511	1,557	1,511	1,623	1,570	1,755	1,648	1,810	2,064	2,023	1,978	1,857	r	1,763
(2)	Net Scrap Imports (page 12)[(a)].....	(239)	(161)	(154)	(115)	(157)	(312)	(384)	(359)	(538)	(549)	(512)	(628)	(653)	(883)	(850)	(1,033)	(1,246)	(1,202)	(1,158)	(1,024)		(930)
(3)	Scrap Stocks (page 12).....	24	3	(11)	1	(5)	9	11	3	3	(11)	(9)	(2)	20	0	5	31	0	0	1	(2)	r	(0)
(4)	Recovery from Copper-Base Scrap (page 13)	1,380	1,375	1,531	1,484	1,380	1,364	1,198	1,067	977	996	990	992	937	873	803	808	818	821	821	830	r	833
(5)	Recovery from Other Scrap (page 13)	72	79	82	84	86	82	69	68	64	68	61	77	83	67	51	57	67	70	71	76	r	77
(6)	Total Scrap Recovery (page 13).....	1,452	1,454	1,613	1,568	1,466	1,446	1,267	1,135	1,041	1,064	1,051	1,069	1,020	940	854	865	885	891	892	906	r	910
(7)	Smelter Production from Scrap.....	(390)	(374)	(314)	(256)	(226)	(157)	(88)	—	—	—	—	—	—	—	—	—	—	—	—	—		—
(8)	Refined Production from Scrap.....	(151)	(168)	(180)	(162)	(81)	(87)	(72)	(77)	(59)	(56)	(52)	(49)	(51)	(60)	(51)	(42)	(41)	(44)	(52)	(51)	r	(54)
(9)	Non-Reported Scrap & Other.....	153	162	42	33	55	15	(31)	(2)	8	8	8	8	9	10	9	0	0	0	0	1		1
(10)	Consumption of Scrap (page 13).....	1,064	1,074	1,161	1,183	1,214	1,217	1,076	1,056	990	1,016	1,006	1,027	978	890	812	823	843	848	841	856	r	857

Source: U.S. Department of the Interior, U.S. Geological Survey.

p - preliminary, r - revised

(a) - ( ) sign denotes net exports.

Numbers may not sum due to rounding.

Table 2, Item 2.

Imports and exports of copper-base scrap in the United States

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015p
Imports of Copper-Base Scrap……	173	196	196	148	119	124	100	89	78	88	100	101	124	117	79	106	121	115	117	129	123
Exports of Copper-Base Scrap……	(412)	(357)	(350)	(263)	(276)	(436)	(484)	(448)	(616)	(637)	(612)	(729)	(777)	(1,000)	(929)	(1,139)	(1,367)	(1,317)	(1,275)	(1,153)	(1,053)
Net Imports of Copper-Base Scrap[(a)]……	**(239)**	**(161)**	**(154)**	**(115)**	**(157)**	**(312)**	**(384)**	**(359)**	**(538)**	**(549)**	**(512)**	**(628)**	**(653)**	**(883)**	**(850)**	**(1,033)**	**(1,246)**	**(1,202)**	**(1,158)**	**(1,024)**	**(930)**

Source: U.S. Department of the Interior, U.S. Geological Survey.

p - preliminary, r - revised

(a) - The ( ) sign for each year is used to be consistent with the convention used in Tables 1, 2 and 4, namely that imports are **additions** to the domestic flow, and therefore (+), while exports are **subtractions** from the flow, and therefore ( ).

Numbers may not sum due to rounding.

Table 2, Item 3.

Copper-base scrap stocks

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015p
Scrap Copper-Base Stocks at:																					
Brass Mills……	36	35	38	46	50	50	43	42	40	51	56	58	40	40	36	1	1	2	4	5 r	5
Secondary Smelters & Primary Producers…	24	23	31	23	23	14	10	8	7	7	12	12	10	11	8	12	10	11	9	9 r	9
Foundries……	6	5	5	4	5	5	5	5	5	4	4	4	4	3	5	5	7	5	5	5 r	5
Other Processors……																					
End-of Year Total….	**66**	**63**	**74**	**73**	**78**	**69**	**58**	**55**	**52**	**63**	**72**	**74**	**54**	**54**	**49**	**18**	**18**	**18**	**17**	**19 r**	**19**
Net Change[(a)]……	(24)	(3)	11	(1)	5	(9)	(11)	(3)	(3)	11	9	2	(20)	(0)	(5)	(31)	(0)	(0)	(1)	2 r	0

Source: U.S. Department of the Interior, U.S. Geological Survey.

p - preliminary, r - revised

(a) - Net Change - the year-to-year increase (+) or decrease ( ) of stocks as reported. The sign of the data (+) or ( ) is opposite that shown in -

Numbers may not sum due to rounding.

Table 2, Item 6.

Recovery of copper from scrap

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		2015p
Copper Recovered from Copper-Base Scrap……..																						
New Scrap……	922	941	1,017	1,008	995	1,002	876	885	773	810	805	851	797	726	670	675	681	669	657	685	r	693
Old Scrap……	458	434	514	476	385	362	322	182	204	186	185	141	140	147	132	133	137	152	164	145	r	141
Total (Table 2, Item 4)…..	**1,380**	**1,375**	**1,531**	**1,484**	**1,380**	**1,364**	**1,198**	**1,067**	**977**	**996**	**990**	**992**	**937**	**873**	**803**	**808**	**818**	**821**	**821**	**830**	**r**	**833**
Copper Recovered from Scrap other than Copper-Base																						
New Scrap……	41	42	48	47	51	50	42	41	40	43	44	52	50	42	32	33	35	36	37	40	r	40
Old Scrap……	31	37	34	37	35	32	27	27	24	25	17	25	33	26	19	24	32	34	34	36	r	36
Total (Table 2, Item 5)……..	**72**	**79**	**82**	**84**	**86**	**82**	**69**	**68**	**64**	**68**	**61**	**77**	**83**	**67**	**51**	**57**	**67**	**70**	**71**	**76**	**r**	**77**
Copper Recovered from All Scrap																						
New Scrap……	963	983	1,065	1,055	1,046	1,052	918	926	813	853	848	902	846	768	703	708	716	706	694	726	r	733
Old Scrap……	489	471	548	513	420	394	349	209	228	211	202	166	173	172	151	158	169	186	198	181	r	177
Total Copper Recovered (Table 2, Item 6)……	**1,452**	**1,454**	**1,613**	**1,568**	**1,466**	**1,446**	**1,267**	**1,135**	**1,041**	**1,064**	**1,051**	**1,069**	**1,020**	**940**	**854**	**865**	**885**	**891**	**892**	**906**	**r**	**910**

Source: U.S. Department of the Interior, U.S. Geological Survey

p - preliminary, r - revised

Numbers may not sum due to rounding.

Table 2, Item 10.

Consumption of copper scrap in the United States

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		2015p
Consumption of Copper Scrap by:																						
Wire Rod Mills……	29	30	33	33	34	35	30	30	28	29	29	30	28	26	24	25	25	20	20	21	r	21
Brass Mills……	757	768	853	861	880	896	771	779	717	748	739	763	710	651	605	608	615	611	604	647	r	647
Ingot Makers……	140	137	138	149	143	130	135	109	101	99	104	91	100	87	83	84	86	84	83	62	r	62
Foundries……	69	59	61	57	83	87	80	79	80	71	74	66	57	59	49	50	51	63	62	50	r	50
Powder Plants [(a)]……	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)		(a)
Chemical Plants [(b)]……	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)		(b)
Non-copper based scrap……	72	79	82	84	86	82	69	68	64	68	61	77	83	67	51	57	67	70	72	77	r	77
Miscellaneous Adjustments…	(3)	1	(6)	(1)	(12)	(13)	(9)	(9)	—	—	—	—	—	—	—	—	—	—	—	—		—
TOTAL COPPER CONSUMED……	**1,064**	**1,074**	**1,161**	**1,183**	**1,214**	**1,217**	**1,076**	**1,056**	**990**	**1,015**	**1,007**	**1,027**	**978**	**890**	**812**	**823**	**843**	**848**	**841**	**856**	**r**	**857**

Source: U.S. Department of the Interior, U.S. Geological Survey

p - preliminary, r - revised

(a) - Starting with 1995 Powder Plants data are included with Foundries.

(b) - Chemical Plants data included with Foundries.

Numbers may not sum due to rounding.

Table 3.

Consumption of metals by wire rod mills, brass mills, ingot makers, foundries, powder plants and other industries

		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012		2013	2014		2015p
(1)	Consumption of Refined Copper (Table 1, Item 16)	2,799	2,885	3,074	3,181	3,291	3,335	2,887	2,606	2,524	2,662	2,506	2,327	2,356	2,228	1,817	1,947	1,936	1,940		2,013	1,933	r	1,976
(2)	Consumption of Copper in Scrap (Table 2, Item 10)	1,064	1,074	1,161	1,183	1,214	1,217	1,076	1,056	990	1,016	1,006	1,027	978	890	812	823	843	848		841	856	r	857
(3)	**Total Copper Consumed (page 15)**	**3,863**	**3,959**	**4,235**	**4,364**	**4,505**	**4,552**	**3,963**	**3,662**	**3,514**	**3,678**	**3,512**	**3,354**	**3,334**	**3,118**	**2,628**	**2,771**	**2,780**	**2,788**		**2,854**	**2,789**	**r**	**2,833**
(4)	Consumption of Zinc……	283	292	300	305	312	329	283	296	266	284	273	268	253	226	238	236	186	196		166	162	r	162
(5)	Consumption of Lead……	19	19	20	20	19	19	17	15	13	14	11	11	11	13	12	11	13	10	r	10	12	r	12
(6)	Consumption of Tin……	9	8	9	10	9	11	11	10	8	8	9	9	9	8	8	7	11	9		8	7	r	7
(7)	Consumption of Nickel……	9	8	7	8	11	11	8	6	6	7	7	6	6	5	5	5	2	1		1	2	r	2
(8)	**Total Alloying Metal Consumed (page 16)….**	**320**	**327**	**336**	**343**	**351**	**370**	**319**	**327**	**293**	**314**	**300**	**295**	**278**	**252**	**263**	**259**	**212**	**217**	**r**	**186**	**183**	**r**	**183**
(9)	**Total Metal Consumed**	**4,183**	**4,286**	**4,571**	**4,707**	**4,856**	**4,922**	**4,282**	**3,989**	**3,807**	**3,992**	**3,812**	**3,649**	**3,611**	**3,371**	**2,891**	**3,030**	**2,991**	**3,004**		**3,040**	**2,972**	**r**	**3,015**
(10)	Ingot Consumed (page 17)[a]	134	136	140	125	139	137	126	122	112	109	102	97	90	84	85	83	68	68		65	65		65
(11)	Ingot Stocks & Other [a,b]……	(13)	(38)	(39)	(66)	(40)	(32)	(45)	(16)	(14)	(17)	(27)	(20)	(38)	(30)	(28)	(23)	(41)	(40)		(38)	(17)	r	(16)
(12)	**Net Metal Consumed (page 17)……**	**4,170**	**4,248**	**4,532**	**4,641**	**4,816**	**4,890**	**4,237**	**3,972**	**3,793**	**3,974**	**3,785**	**3,629**	**3,573**	**3,341**	**2,863**	**3,007**	**2,950**	**2,965**		**3,002**	**2,956**	**r**	**2,999**
(13)	Wire Rod Mills - Net Metal Consumed (p 17)	2,178	2,213	2,395	2,429	2,492	2,504	2,168	1,915	1,837	1,991	1,881	1,760	1,802	1,668	1,281	1,403	1,425	1,431		1,464	1,421	r	1,465
(14)	Wire Rod Mills - Metal Stocks & Other……	(235)	8	(72)	(53)	(154)	(148)	(114)	32	(29)	(30)	(201)	(13)	(40)	7	(24)	(36)	(47)	(20)		(9)	1	r	(21)
(15)	Wire Rod Mills - Shipments…	1,943	2,221	2,323	2,376	2,338	2,356	2,054	1,947	1,808	1,961	1,680	1,747	1,763	1,676	1,257	1,367	1,378	1,411		1,455	1,422	r	1,444
(16)	Wire Rod - Net Imports……	(10)	(6)	18	51	197	237	351	339	241	208	486	446	159	77	1	(43)	36	(5)		15	10	r	(19)
(17)	Wire Mills - Net Metal Consumed……	1,933	2,215	2,341	2,427	2,535	2,593	2,405	2,286	2,049	2,169	2,166	2,193	1,922	1,753	1,257	1,324	1,414	1,406		1,470	1,432	r	1,425
(18)	Wire Mills - Metal Stocks & Other……	(136)	(370)	(327)	(320)	(351)	(422)	(439)	(540)	(197)	(151)	(109)	(304)	(181)	(207)	151	77	(134)	16	r	(15)	(10)	r	19
(19)	Wire Mills - Metal Contained in Products Supplied (Table 4, Item 11)	1,797	1,846	2,014	2,108	2,184	2,172	1,966	1,747	1,852	2,018	2,057	1,889	1,741	1,546	1,408	1,401	1,280	1,422	r	1,455	1,422		1,445
(20)	Brass Mills - Net Metal Consumed (p 17)……	1,599	1,680	1,783	1,867	1,934	1,998	1,717	1,712	1,609	1,637	1,571	1,547	1,455	1,368	1,285	1,298	1,272	1,260	r	1,297	1,273	r	1,272
(21)	Brass Mills - Metal Stocks & Other……	81	104	69	30	52	18	(53)	(46)	(21)	82	128	74	(7)	(94)	(344)	(260)	(261)	(276)	r	(252)	(224)	r	(321)
(22)	Brass Mills - Metal Contained in Products	1,680	1,784	1,852	1,897	1,986	2,016	1,664	1,666	1,588	1,720	1,699	1,621	1,448	1,274	941	1,038	1,011	983		1,018	1,049		951
(23)	Foundries - Net Metal Consumed (page 17)….	287	275	282	267	303	307	283	278	274	270	264	238	223	230	242	250	186	204		196	184	r	184
(24)	Foundries - Metal Stocks & Other……	(77)	(64)	(70)	(54)	(86)	(90)	(113)	(121)	(127)	(130)	(127)	(108)	(103)	(123)	(149)	(159)	(96)	(117)		(109)	(98)	r	(101)
(25)	Foundries - Metal Contained in Products Supplied	211	212	213	214	217	218	171	158	148	140	138	130	120	108	93	91	90	87		87	87		83
(26)	Powder Plants - Net Metal Consumed [c]……	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)		(c)	(c)		(c)
(27)	Powder Plants - Metal Stocks & Other[c]……	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)		(c)	(c)		(c)
(28)	Contained in Products Supplied	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)		(c)	(c)		(c)
(29)	Other Industries - Net Metal Consumed……																							
	Miscellaneous and Discrepancies……	106	80	72	78	87	81	69	67	73	77	70	86	90	74	56	57	67	70		72	77	r	77

Sources: U.S. Department of the Interior, U.S. Geological Survey

p - preliminary, r - revised, NA - not available

(a) - Direct consumption only; not including consumption of copper in ingots from ingot makers.

(b) - Ingot makers consume refined copper, scrap copper and alloying metal and ship to foundries, brass mills, powder plants and other industries.

(c) - Starting with 1995 Powder Plants are combined with "Foundries."

Numbers may not sum due to rounding.

Table 3, Item 3.

Consumption of copper by wire rod mills, brass mills, ingot makers, foundries, powder plants and other industries

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		2015p
Consumption of Copper by:																						
Wire Rod Mills																						
Refined	2,149	2,183	2,362	2,396	2,458	2,469	2,138	1,885	1,809	1,962	1,852	1,731	1,775	1,642	1,257	1,378	1,400	1,411	1,444	1,400	r	1,444
Scrap	29	30	33	33	34	35	30	30	28	29	29	30	28	26	24	25	25	20	20	21	r	21
Total	2,178	2,213	2,395	2,429	2,492	2,504	2,168	1,915	1,837	1,991	1,881	1,760	1,802	1,668	1,281	1,403	1,425	1,431	1,464	1,421	r	1,465
Brass Mills[a]																						
Refined	588	648	659	727	762	797	687	654	647	632	582	540	525	528	500	506	474	467	504	467	r	466
Scrap	757	768	853	861	880	896	771	779	717	748	739	763	710	651	605	608	615	611	604	647	r	647
Total	1,345	1,416	1,512	1,588	1,642	1,693	1,458	1,433	1,364	1,380	1,321	1,303	1,235	1,179	1,105	1,114	1,089	1,078	1,108	1,114	r	1,113
Ingot Makers[b]																						
Refined	9	4	5	6	5	5	5	5	5	5	5	5	5	3	0	0	0	0	0	0		0
Scrap	140	137	138	149	143	130	135	109	101	99	104	91	100	87	83	84	86	84	83	62	r	62
Total	149	141	143	155	148	135	140	114	106	104	109	96	105	90	83	84	86	84	83	62	r	62
Foundries and Other Industries[a,c]																						
Refined	53	50	52	57	66	64	57	62	63	63	67	51	51	55	60	63	62	62	65	65	r	65
Scrap	69	59	61	57	70	75	71	70	71	63	65	57	51	52	44	50	51	63	62	50	r	50
Total	122	109	113	114	136	139	128	132	134	127	132	109	103	107	104	113	113	125	127	115	r	115
Powder Plants[c]																						
Refined	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)		(c)
Scrap	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)		(c)
Total	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)		(c)
Miscellaneous[d]																						
Refined	—	—	(4)	(5)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—
Scrap	69	80	76	83	87	81	69	68	73	77	70	86	89	74	56	57	67	70	72	77	r	77
Total	69	80	72	78	87	81	69	68	73	77	70	86	89	74	56	57	67	70	72	77	r	77
All Industries																						
Refined (Table1, Item 16)	**2,799**	**2,885**	**3,074**	**3,181**	**3,291**	**3,335**	**2,887**	**2,606**	**2,524**	**2,662**	**2,506**	**2,327**	**2,356**	**2,228**	**1,817**	**1,947**	**1,936**	**1,940**	**2,013**	**1,933**	**r**	**1,976**
Scrap (Table 2, Item 10)	**1,064**	**1,074**	**1,161**	**1,183**	**1,214**	**1,217**	**1,076**	**1,056**	**990**	**1,016**	**1,006**	**1,027**	**978**	**890**	**812**	**823**	**843**	**848**	**841**	**856**	**r**	**857**
TOTAL COPPER CONSUMED (Table 3, Item 3)	**3,863**	**3,959**	**4,235**	**4,364**	**4,505**	**4,552**	**3,963**	**3,662**	**3,514**	**3,678**	**3,512**	**3,354**	**3,334**	**3,118**	**2,628**	**2,771**	**2,780**	**2,788**	**2,854**	**2,789**	**r**	**2,833**

Sources: U.S. Department of the Interior, U.S. Geological Survey

p - preliminary, r - revised

(a) - Direct consumption only; not including consumption of copper in ingots from ingot makers.

(b) - Ingot makers consume refined copper, scrap copper and alloying metal and ship to foundries, brass mills, powder plants and other industries.

(c) - Starting with 1995 Powder Plants and Other Industries data are included with "Foundries and Other Industries."

(d) - Miscellaneous - reconciles discrepencies between USGS reports.

Numbers may not sum due to rounding.

Table 3, Item 8.

Consumption of alloying metal by brass mills, ingot makers, foundries and powder plants

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015p
Consumption of Alloying Metal by:																					
Brass Mills[a]																					
Zinc:Unalloyed & in Secondary Copper Alloys	236	246	253	259	269	501	241	263	231	241	236	230	209	179	170	176	173	174	154	150 r	150
Lead:Unalloyed & in Secondary Copper Alloys	7	8	9	9	9	8	7	7	6	7	4	4	3	3	3	3	4	4 r	4	6 r	6
Tin:Unalloyed & in Secondary Copper Alloys…	2	2	2	3	3	4	3	3	2	2	3	4	3	2	2	2	5	3	2	2 r	2
Nickel:Unalloyed & in Secondary Copper Alloys	9	8	7	8	11	11	8	6	6	7	7	6	5	5	5	3	1	1	1	1 r	1
Total	254	264	271	279	292	305	259	279	245	256	250	243	221	189	180	184	183	182 r	162	159 r	159
Ingot Makers																					
Zinc:Unalloyed & in Secondary Copper Alloys	19	19	20	20	17	18	16	12	10	12	10	10	12	10	17	10	10	13	10	10 r	10
Lead:Unalloyed & in Secondary Copper Alloys	10	9	10	10	9	10	9	7	6	6	6	6	7	9	9	7	8	6	6	6 r	6
Tin:Unalloyed & in Secondary Copper Alloys	6	5	6	6	5	6	6	5	4	4	4	4	5	5	4	4	5	4	4	4 r	4
Nickel:Unalloyed	—	—	—	—	—	—	—	—	—	0	0	0	—	0	0	1	0	0	0	0 r	0
Total	35	33	36	36	31	34	31	24	20	22	20	20	24	24	30	22	23	23	20	20 r	20
Foundries and Other Industries[a]……																					
Zinc:Unalloyed & in Secondary Copper Alloys	28	27	27	26	26	29	26	21	25	32	27	28	32	37	51	50	2	9	2	2 r	2
Lead:Unalloyed & in Secondary Copper Alloys	2	2	1	1	1	1	1	1	2	1	1	1	0	1	1	1	1	1	1	1 r	1
Tin:Unalloyed & in Secondary Copper Alloys	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	2	2	2	1 r	1
Nickel:Unalloyed	—	—	—	—	—	—	—	—	—	0	0	0	—	0	0	1	0	0	0	0 r	0
Total	31	30	29	28	28	31	29	24	29	35	30	31	33	39	54	53	5	12	4	4 r	4
Powder Plants[a]																					
Zinc-Slab																					
Zinc in Scrap																					
Tin-Refined	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
Total																					
All Industries																					
Zinc: Unalloyed & in Secondary Copper Alloys	**283**	**292**	**300**	**305**	**312**	**329**	**283**	**296**	**266**	**284**	**273**	**268**	**253**	**226**	**238**	**236**	**186**	**196**	**166**	**162 r**	**162**
Lead: Unalloyed & in Secondary Copper Alloys	**19**	**19**	**20**	**20**	**19**	**19**	**17**	**15**	**13**	**14**	**11**	**11**	**11**	**13**	**12**	**11**	**13**	**10 r**	**10**	**12 r**	**12**
Tin: Unalloyed & in Secondary Copper Alloys	**9**	**8**	**9**	**10**	**9**	**11**	**11**	**10**	**8**	**8**	**9**	**9**	**9**	**8**	**8**	**7**	**11**	**9**	**8**	**7 r**	**7**
Nickel: Unalloyed & in Secondary Copper Alloys	**9**	**8**	**7**	**8**	**11**	**11**	**8**	**6**	**6**	**7**	**7**	**6**	**5**	**5**	**5**	**5**	**2**	**1**	**1**	**2 r**	**2**
TOTAL ALLOYING METAL CONSUMED (Table 3, Item 8)	**320**	**327**	**336**	**343**	**351**	**370**	**319**	**327**	**293**	**314**	**300**	**295**	**278**	**252**	**263**	**259**	**212**	**217 r**	**186**	**183 r**	**183**

Sources: U.S. Department of the Interior, U.S. Geological Survey

p - preliminary, r - revised

(a) - Direct consumption only; not including consumption of alloying metal in ingots from ingot makers.

(b) - Starting with 1995 Powder Plants data are included with "Foundries and Other Industries."

Numbers may not sum due to rounding.

Table 3, Item 12.

Net consumption of metals by wire rod mills, brass mills, foundries, powder plants and other industries

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		2015p
Net Metal Consumed by:																						
Wire Rod Mills - Copper (Table 3, Item 13)	2,178	2,213	2,395	2,429	2,492	2,504	2,168	1,915	1,837	1,991	1,881	1,760	1,802	1,668	1,281	1,403	1,425	1,431	1,464	1,421	r	1,465
Brass Mills																						
Copper	1,345	1,416	1,512	1,588	1,642	1,693	1,458	1,433	1,364	1,380	1,321	1,303	1,235	1,179	1,105	1,114	1,089	1,078	1,108	1,114	r	1,113
Alloy	254	264	271	279	292	305	259	279	245	256	250	243	221	189	180	184	183	182	r 162	159	r	159
Ingot										2												
Total (Table 3, Item 20)	1,599	1,680	1,783	1,867	1,934	1,998	1,717	1,712	1,609	1,637	1,571	1,547	1,456	1,368	1,285	1,298	1,272	1,260	r 1,270	1,273	r	1,272
Foundries[(a)]																						
Copper	122	109	113	114	136	139	128	132	134	128	132	110	100	107	104	113	113	125	127	115	r	115
Alloy	31	30	29	28	28	31	29	24	28	35	30	31	33	39	54	53	5	12	4	4	r	4
Ingot	134	136	140	125	139	137	126	122	112	109	102	97	90	84	85	83	68	68	65	65		65
Total (Table 3, Item 23)	287	275	282	267	303	307	283	278	274	272	264	238	223	230	242	250	186	204	196	184	r	184
Powder Plants[(a)]																						
Copper	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)		(a)
Alloy	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)		(a)
Ingot	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)		(a)
Total	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)		(a)
Other Industries[(a)]	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)		(a)
Copper	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)		(a)
Ingot	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)		(a)
Total (Table 3, Item 29)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)		(a)
Miscellaneous and Discrepancies																						
Copper (Table 3, Item 29)	106	80	72	78	87	81	69	67	73	77	70	86	89	74	56	57	67	70	72	77	r	77
Ingot																						
All Industries																						
Copper	**3,751**	**3,818**	**4,092**	**4,209**	**4,357**	**4,417**	**3,823**	**3,547**	**3,408**	**3,575**	**3,403**	**3,258**	**3,226**	**3,029**	**2,545**	**2,687**	**2,694**	**2,703**	**2,771**	**2,727**	**r**	**2,771**
Alloy	**285**	**294**	**300**	**307**	**320**	**336**	**288**	**303**	**273**	**291**	**280**	**274**	**254**	**228**	**233**	**237**	**188**	**193**	**166**	**163**	**r**	**163**
Ingot (Table 3, Item 10)[(b)]	**134**	**136**	**140**	**125**	**139**	**137**	**126**	**122**	**112**	**109**	**102**	**97**	**90**	**84**	**85**	**83**	**68**	**68**	**65**	**65**		**65**
NET METAL CONSUMED (Table 3, Item 12)	**4,170**	**4,248**	**4,532**	**4,641**	**4,816**	**4,890**	**4,237**	**3,972**	**3,793**	**3,974**	**3,785**	**3,629**	**3,571**	**3,341**	**2,863**	**3,007**	**2,950**	**2,965**	**3,002**	**2,956**	**r**	**2,999**

Source: U.S. Department of the Interior, U.S. Geological Survey

p - preliminary, r - revised

(a) - Starting with 1995 Powder Plants and Other Industries data are included with "Foundries."

(b) - Total consumption of ingot shown here is less than the consumption of metal by ingot makers shown in the details of Table 3, Item 3, and Table 3, Item 8. The difference, shown as Ingot Stocks & Other in Table 3, is partially melting and other losses in the making of ingot.

Numbers may not sum due to rounding.

Table 4.

Supply of wire mill, brass mill, foundry and powder products and their consumption in the end-use markets

		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		2015p
(1)	Bare Wire	310	290	300	320	330	340	310	290	270	260	255	225	200	175	170	165	160	166	167	150		148
(2)	Telecommunications Cable	502	563	609	697	628	749	599	384	395	366	375	359	292	225	177	168	160	163	163	155		156
(3)	Electronic Wire and Cable	207	202	241	241	246	290	232	178	238	255	256	265	290	210	155	150	145	148	151	148		147
(4)	Building Wire	1,223	1,172	1,393	1,447	1,562	1,358	1,329	1,270	1,425	1,664	1,700	1,533	1,426	1,259	1,177	1,059	1,005	1,020	1,035	1,031		1,052
(5)	Magnet Wire	672	714	719	700	778	714	615	573	561	570	532	536	493	443	400	380	360	367	380	361		370
(6)	Power Cable	246	266	267	286	303	333	319	288	294	300	372	315	249	326	352	335	315	326	335	328		328
(7)	Apparatus Wire and Cordage	184	210	211	229	235	250	216	185	193	140	140	89	86	124	102	100	95	97	98	95		96
(8)	Automotive Wire and Cable (except Magnet)	407	401	411	407	442	433	387	407	398	397	391	336	355	330	283	406	443	518	540	538		554
(9)	Other Insulated Wire and Cable	70	85	89	85	56	69	80	80	82	85	93	119	90	54	43	40	38	39	40	38		38
(10)	Total Insulated Wire and Cable	3,511	3,612	3,940	4,092	4,250	4,196	3,776	3,365	3,586	3,777	3,859	3,552	3,281	2,972	2,690	2,638	2,561	2,678	2,742	2,694		2,741
(11)	**Total Wire Mill Products[a]**	**3,821**	**3,902**	**4,240**	**4,412**	**4,580**	**4,536**	**4,086**	**3,655**	**3,856**	**4,037**	**4,114**	**3,777**	**3,481**	**3,147**	**2,860**	**2,803**	**2,721**	**2,844**	**2,909**	**2,844**		**2,889**
(12)	Strip, Sheet, Plate and Foil	1,122	1,178	1,230	1,262	1,356	1,421	1,018	1,019	957	1,068	1,035	1,067	999	928	692	794	740	757	816	830		766
(13)	Mechanical Wire[b]	88	93	96	98	94	99	85	78	72	80	75	72	62	(b)	(b)	(b)	(b)	(b)	(b)	(b)		(b)
(14)	Rod and Bar	1,053	1,096	1,193	1,190	1,238	1,247	1,025	1,038	965	1,059	1,032	1,022	882	808	562	675	675	636	641	702		606
(15)	Tube and Pipe[c]	1,097	1,200	1,184	1,244	1,285	1,266	1,202	1,197	1,182	1,233	1,256	1,080	953	812	619	607	608	574	579	567		530
(16)	**Total Brass Mill Products (page 19)**	**3,360**	**3,567**	**3,703**	**3,794**	**3,973**	**4,033**	**3,329**	**3,332**	**3,177**	**3,439**	**3,397**	**3,241**	**2,896**	**2,548**	**1,873**	**2,076**	**2,023**	**1,967**	**2,035**	**2,099**		**1,902**
(17)	**Total Foundry Products**	**380**	**381**	**382**	**383**	**384**	**385**	**300**	**270**	**250**	**230**	**225**	**215**	**200**	**180**	**160**	**150**	**145**	**140**	**140**	**138**		**130**
(18)	**Total Powder Products**	**41**	**42**	**43**	**44**	**50**	**50**	**41**	**45**	**45**	**50**	**50**	**45**	**40**	**35**	**27**	**32**	**34**	**34**	**34**	**35**		**36**
(19)	**Domestic Products - Total**	**7,602**	**7,892**	**8,368**	**8,633**	**8,986**	**9,004**	**7,756**	**7,302**	**7,328**	**7,756**	**7,786**	**7,279**	**6,617**	**5,910**	**4,919**	**5,061**	**4,923**	**4,985**	**5,118**	**5,116**		**4,957**
(20)	**Net Imports of Mill Products (page 20)**	**130**	**108**	**126**	**223**	**376**	**568**	**276**	**249**	**265**	**343**	**266**	**319**	**311**	**224**	**108**	**81**	**96**	**149**	**86**	**155**	**r**	**163**
(21)	**Mill Products to Domestic Market***	**7,732**	**8,000**	**8,494**	**8,856**	**9,362**	**9,572**	**8,033**	**7,551**	**7,593**	**8,099**	**8,052**	**7,597**	**6,928**	**6,134**	**5,027**	**5,142**	**5,018**	**5,133**	**5,203**	**5,270**	**r**	**5,119**
(22)	Building Construction	3,111	3,221	3,455	3,635	3,900	3,918	3,584	3,532	3,640	4,035	4,071	3,721	3,405	3,025	2,420	2,285	2,193	2,222	2,234	2,276	r	2,246
(23)	Electrical and Electronic Products	1,915	2,020	2,170	2,329	2,400	2,517	2,016	1,598	1,582	1,569	1,525	1,533	1,400	1,274	1,018	1,059	1,037	1,024	978	976	r	933
(24)	Industrial Machinery and Equipment	919	946	972	965	1,005	965	749	729	697	682	701	682	575	494	432	430	377	358	378	383	r	345
(25)	Transportation Equipment	819	841	875	855	915	894	718	754	749	978	961	883	811	702	621	768	819	925	987	983	r	981
(26)	Consumer and General Products	741	761	811	875	930	1,085	810	776	773	836	794	778	737	639	536	601	592	605	627	653	r	615

Sources: Copper Development Association; Global Market Consultants, Inc.; U.S. Department of Commerce, Bureau of the Census; Metal Powder Producers Association.

Note: Totals may not sum due to rounding.

p - preliminary, r - revised

(a) - Copper content.

(b) - Rod and bar and mechanical wire data combined starting 2008.

(c) - Comercial tube and plumbing tube data combined.

* Markets include:

Building Construction - Building Wire; Plumbing & Heating; Air Conditioning & Commercial Refrigeration; Builders Hardware; Architectural
Electrical and Electronic Products - Power Utilites; Telecommunications; Business Electronics; Lighting & Wiring Devices
Industrial Machinery and Equipmen - In-Plant Equipment; Industrial Valves & Fittings; Non-Electrical Instruments; Off-Highway Vehicles; Heat Exchangers
Transportation Equipment - Automobile; Truck & Bus; Railroad; Marine; Aircraft & Aerospace
Consumer and General Products - Appliances; Cord Sets; Military & Commercial Ordnance; Consumer Electronics; Fasteners & Clsoures; Coinage; Utensils & Cultery; Miscellaneous

Numbers may not sum due to rounding.

Table 4, Item 16.

Supply of brass mill products in the United States

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015p
Strip, Sheet, Plate and Foil																					
Copper	364	383	405	435	477	531	390	363	341	390	391	394	378	343	224	240	236	234	258	258	261
Alloy	758	795	825	827	879	890	628	655	616	677	644	673	621	586	468	554	504	523	558	572	505
Total	1,122	1,178	1,230	1,262	1,356	1,421	1,018	1,019	957	1,068	1,035	1,067	999	929	692	794	740	757	816	830	766
Mechanical Wire																					
Copper	19	21	22	22	22	22	18	16	16	19	18	14	11	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Alloy	69	72	74	76	72	77	67	62	56	61	57	58	51	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Total	88	93	96	98	94	99	85	78	72	80	75	72	62	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
Rod and Bar[a]																					
Copper	175	183	206	206	217	245	207	177	170	205	212	211	201	188	133	161	167	151	163	180	144
Alloy	878	913	987	984	1,021	1,003	818	861	795	854	820	812	681	620	428	515	508	485	478	522	462
Total	1,053	1,096	1,193	1,190	1,238	1,247	1,025	1,038	965	1,059	1,032	1,022	882	808	562	675	675	636	641	702	606
Tube and Pipe[b]																					
Copper	1,037	1,143	1,129	1,188	1,247	1,234	1,180	1,178	1,168	1,218	1,243	1,066	940	800	610	596	597	565	570	559	524
Alloy	60	57	55	56	38	32	22	19	14	15	13	14	13	12	9	11	11	9	8	8	6
Total	1,097	1,200	1,184	1,244	1,285	1,266	1,202	1,197	1,182	1,233	1,256	1,080	953	812	619	607	608	574	579	567	530
All Mill Products																					
Copper	**1,595**	**1,730**	**1,762**	**1,851**	**1,963**	**2,032**	**1,794**	**1,735**	**1,695**	**1,832**	**1,863**	**1,685**	**1,529**	**1,330**	**968**	**996**	**1,000**	**951**	**991**	**997**	**928**
Alloy	**1,765**	**1,837**	**1,941**	**1,943**	**2,010**	**2,001**	**1,535**	**1,597**	**1,482**	**1,607**	**1,534**	**1,556**	**1,367**	**1,218**	**906**	**1,080**	**1,023**	**1,016**	**1,044**	**1,102**	**974**
TOTAL BRASS MILL PRODUCTS	**3,360**	**3,567**	**3,703**	**3,794**	**3,973**	**4,033**	**3,329**	**3,332**	**3,177**	**3,439**	**3,397**	**3,241**	**2,896**	**2,548**	**1,873**	**2,076**	**2,023**	**1,967**	**2,035**	**2,099**	**1,902**

Sources: Copper Development Association; Global Market Consultants, Inc.

(a)- Copper and alloy rod and bar and mechanical wire data combined starting 2008.

(b) - Comercial tube and plumbing t

Numbers may not sum due to rounding.

Table 4, Item 16a.

Supply of brass mill products in selected countries

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015p
France	668	584	747	769	742	461	393	369	263	227	201	498	421	382	218	235	251	251	261	263	266
Germany	2,152	1,951	2,196	2,296	2,324	2,620	2,464	2,412	2,328	2,561	2,510	2,585	4,096	3,909	2,982	3,650	3,597	3,306	3,391	3,526	3,590
Italy	1,746	1,672	1,337	1,988	1,938	2,186	2,051	1,980	1,957	1,682	1,369	2,020	1,836	1,584	862	1,137	1,106	1,124	1,163	1,176	1,169
Japan	2,653	2,607	2,611	2,239	2,324	2,559	2,162	2,114	2,175	2,290	2,075	2,195	2,200	1,428	2,752	3,313	3,246	3,173	3,212	3,347	3,213
Mexico	208	163	179	329	346	340	311	307	311	319	276	229	258	232	302	251	327	277	259	262	266
Scandinavia	438	425	438	453	420	444	429	445	442	469	464	478	381	437	349	383	393	391	381	408	393
Spain	228	211	233	262	285	291	218	250	213	166	194	185	194	198	204	225	215	258	178	217	216
Turkey	293	314	134	148	143	176	139	97	88	88	144	160	141	121	46	65	65	66	70	70	70
United Kingdom	492	452	440	409	385	403	178	162	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
United States	3,360	3,567	3,703	3,794	3,973	4,033	3,329	3,332	3,177	3,439	3,397	3,241	2,896	2,548	1,873	2,076	2,023	1,967	2,035	2,099	1,902

Sources: World Bureau of Metal Statistics; U.S. Department of the Interior, U.S. Geological Survey

p - preliminary, r - revised, NA - not available

Numbers may not sum due to rounding.

Table 4, Item 20.

Imports and exports of wire mill, brass mill and powder products

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014		2015p
Imports of:																						
Bare Wire (including Stranded).....	12	15	24	118	162	200	40	47	50	42	56	39	38	43	29	36	40	44	55	50		30
Insulated Wire and Cable.....	165	176	213	273	305	356	324	297	314	334	405	418	417	362	282	319	331	359	362	383	r	383
Total Wire Mill Products[(1)].....	**177**	**191**	**237**	**391**	**468**	**555**	**364**	**344**	**364**	**376**	**461**	**457**	**455**	**405**	**311**	**356**	**371**	**403**	**417**	**433**	**r**	**413**
Copper-Strip, Sheet, Plate and Foil.....	85	94	113	113	132	174	168	120	111	135	111	120	84	87	64	85	86	84	70	77	r	74
Rod and Bar.....	30	31	33	32	46	58	59	40	36	51	49	48	63	48	30	43	48	46	48	48	r	37
Tube and Pipe.....	76	121	122	123	149	180	166	170	188	227	225	285	259	262	189	158	127	125	133	148		134
Alloy-Strip, Sheet, Plate and Foil.....	81	83	84	99	104	155	120	115	93	118	95	92	74	61	43	65	61	65	75	81		81
Mechanical Wire.....	32	34	37	41	37	48	37	35	37	41	35	36	33	36	22	35	33	41	37	39		43
Rod and Bar.....	147	102	152	128	127	183	107	109	114	139	120	132	115	70	43	70	79	84	86	83		73
Tube and Pipe.....	70	55	60	56	69	75	71	71	68	77	66	59	51	52	32	40	41	38	38	39		36
Total Brass Mill Products.....	**520**	**520**	**600**	**591**	**664**	**872**	**729**	**660**	**648**	**790**	**700**	**771**	**679**	**616**	**423**	**496**	**475**	**484**	**485**	**515**	**r**	**477**
Total Powder Products.....	**4**	**4**	**5**	**6**	**5**	**5**	**4**	**6**	**8**	**6**	**8**	**10**	**10**	**8**	**7**	**9**	**9**	**8**	**8**	**9**		**9**
TOTAL IMPORTS.....	**702**	**715**	**842**	**988**	**1,137**	**1,433**	**1,097**	**1,010**	**1,019**	**1,172**	**1,169**	**1,238**	**1,144**	**1,028**	**741**	**860**	**855**	**894**	**910**	**957**	**r**	**898**
Exports of:																						
Bare Wire (including Stranded).....	32	37	65	71	80	113	93	104	82	99	107	102	103	88	66	88	90	113	157	135		114
Insulated Wire and Cable.....	253	278	316	333	355	398	412	370	362	379	392	423	367	400	336	437	422	392	403	407	r	375
Total Wire Mill Products[(1)].....	**284**	**315**	**381**	**403**	**435**	**511**	**504**	**475**	**444**	**478**	**498**	**525**	**470**	**488**	**402**	**525**	**512**	**505**	**560**	**542**	**r**	**489**
Copper-Strip, Sheet, Plate and Foil.....	33	33	50	47	65	65	43	32	33	38	34	36	32	30	23	33	33	31	30	32		33
Rod and Bar.....	4	5	11	7	5	5	16	16	9	21	33	37	40	44	26	23	31	32	29	26		26
Tube and Pipe.....	48	55	55	61	58	76	68	71	81	70	80	76	77	48	51	40	48	41	41	35		32
Alloy-Strip, Sheet, Plate and Foil.....	69	79	81	121	73	77	67	52	63	72	96	81	72	71	57	63	54	60	72	74		57
Mechanical Wire.....	18	10	20	18	16	24	19	17	16	20	21	29	34	33	23	27	25	24	24	21		25
Rod and Bar.....	66	61	77	71	70	71	70	71	77	88	95	95	64	50	22	27	25	23	39	41		43
Tube and Pipe.....	39	39	31	23	24	22	20	14	17	21	18	16	18	21	15	16	13	12	12	13		13
Total Brass Mill Products.....	**277**	**281**	**324**	**348**	**311**	**339**	**304**	**273**	**297**	**331**	**377**	**369**	**337**	**297**	**216**	**229**	**229**	**222**	**247**	**242**		**229**
Total Powder Products.....	**10**	**11**	**11**	**13**	**15**	**14**	**13**	**14**	**13**	**21**	**27**	**26**	**25**	**19**	**15**	**24**	**18**	**18**	**18**	**18**		**18**
TOTAL EXPORTS.....	**571**	**607**	**717**	**764**	**761**	**864**	**821**	**761**	**754**	**829**	**902**	**920**	**833**	**804**	**633**	**778**	**759**	**746**	**824**	**803**	**r**	**735**
NET IMPORTS (Table 4, Item 21)	**130**	**108**	**126**	**223**	**376**	**568**	**276**	**249**	**265**	**343**	**266**	**319**	**311**	**224**	**108**	**81**	**96**	**149**	**86**	**155**	**r**	**163**

Sources: U.S. Department of Commerce, Bureau of the Census

p - preliminary, r - revised

(1) - In previous additions, wire rod exports were included in the table. Starting with 1999, net wire rod imports are shown as line 16 on table 3, page 14. Appropriate adjustments have been made for all years.

Numbers may not sum due to rounding.