



Cu

# Copper Supply & Consumption

# 20<sup>04</sup> 24

Cu

Copper Development  
Association Inc.

[COPPER.ORG](https://copper.org)

## 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 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 include, the U.S. Department of the Interior's, U.S. Geological Survey, National Minerals Information Center; the U.S. Department of Commerce's, Bureau of the Census; the U.S. International Trade Administration 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 wire rod mills to wire mills, brass mills, and foundries 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 2024 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 2004 through 2024, will be found. Most data for 2024 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.

Finally, [Table 4](#) details the supply of mill, foundry and powder products and their consumption in 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.

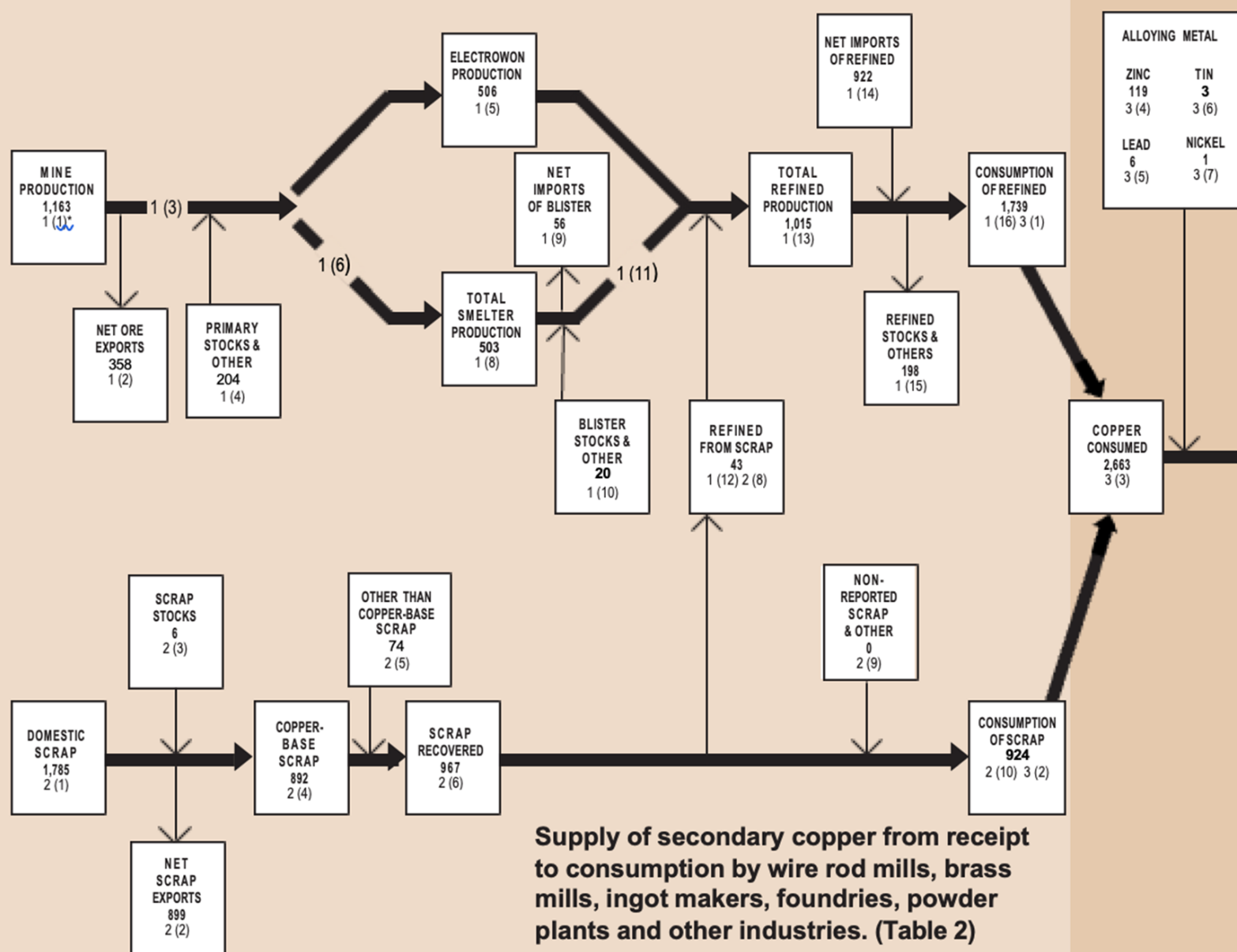
The arrangement of the data in the report can be illustrated with an example. Consider Mine Production, the upper left-hand box in the flow sheet on page 4. As shown in the box, mine production of copper in the United States totaled 1,163 thousand tons in 2024. Beneath this figure a number appears referring to [Table 1](#), abbreviated 1 (1). This means that in [Table 1](#), on Line (1), mine production is shown for the full period 2004 through 2024. 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 2004 through 2024. 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

|                                                                                                       |           |
|-------------------------------------------------------------------------------------------------------|-----------|
| <b>Preface.....</b>                                                                                   | <b>2</b>  |
| <b>Copper Supply and Consumption—A Schematic Flow Chart .....</b>                                     | <b>4</b>  |
| <b>Table 1 Supply of Primary Copper .....</b>                                                         | <b>6</b>  |
| Item 1 Copper Content of Mine Production—USA .....                                                    | 6         |
| Item 1a Copper Content of World Mine Production .....                                                 | 7         |
| Item 2 Imports and Exports of Copper Ore, Concentrates and Matte.....                                 | 8         |
| Item 8 Smelter Production of Copper .....                                                             | 8         |
| Item 9 Imports and Exports of Blister and Anode Copper .....                                          | 8         |
| Item 10 Blister and Anode Stocks and Other .....                                                      | 9         |
| Item 13 Production of Refined Copper .....                                                            | 9         |
| Item 14 Imports and Exports of Refined Copper.....                                                    | 9         |
| Item 15 Refined Stocks and Other .....                                                                | 10        |
| Item 16 Consumption of Refined Copper .....                                                           | 10        |
| <b>Table 2 Supply of Secondary Copper .....</b>                                                       | <b>11</b> |
| Item 2 Imports and Exports of Copper-Base Scrap .....                                                 | 12        |
| Item 3 Copper-Base Scrap Stocks.....                                                                  | 12        |
| Item 6 Recovery of Copper from Scrap .....                                                            | 13        |
| Item 10 Consumption of Copper Scrap .....                                                             | 13        |
| <b>Table 3 Consumption of Metals by Wire Rod Mills, Brass Mills, Ingot Makers and Foundries .....</b> | <b>14</b> |
| Item 3 Consumption of Copper by Wire Rod Mills, Brass Mills, Ingot Makers and Foundries .....         | 15        |
| Item 8 Consumption of Alloying Metal by Brass Mills, Foundries and Others.....                        | 16        |
| Item 12 Net Consumption of Metals by Wire Rod Mills, Brass Mills, Foundries and Others .....          | 17        |
| <b>Table 4 Supply and Consumption of Wire Mill, Brass Mill, Foundry and Powder Products .....</b>     | <b>18</b> |
| Item 16 Supply of Brass Mill Products—USA .....                                                       | 19        |
| Item 16a Supply of Brass Mill Products—in Selected Countries .....                                    | 19        |
| Item 20 Imports and exports of Wire Mill, Brass Mill and Powder Products .....                        | 20        |

## 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



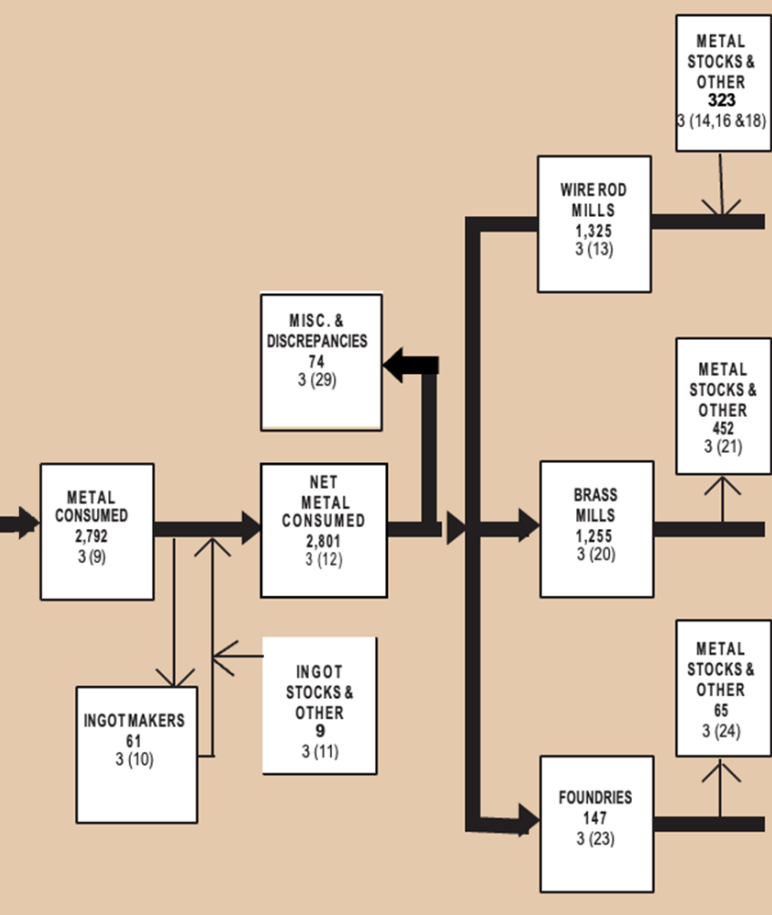
COPPER CONTENT, thousands of short tons

\*1 (1) Refers to table and item in report where data for 2004 through 2024 appear.

Note: Numbers may not sum due to rounding.

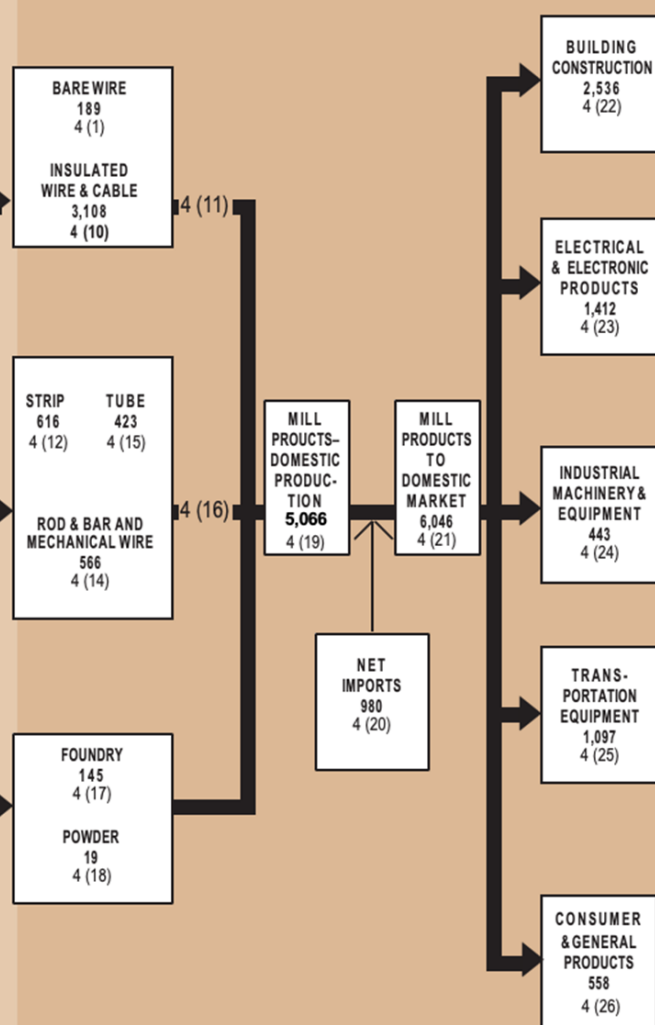
### Consumption of metals by wire rod mills, brass mills, ingot makers, foundries, powder plants and other industries. (Table 3)

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**

| Copper Content, thousands of short tons                      |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |                |
|--------------------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
|                                                              | 2004         | 2005         | 2006         | 2007         | 2008         | 2009         | 2010         | 2011         | 2012         | 2013         | 2014         | 2015         | 2016         | 2017         | 2018         | 2019         | 2020         | 2021         | 2022         | 2023r        | 2024p          |
| (1) Mine Production (page 6).....                            | 1,275        | 1,257        | 1,319        | 1,287        | 1,444        | 1,302        | 1,224        | 1,227        | 1,290        | 1,376        | 1,490        | 1,551        | 1,576        | 1,388        | 1,347        | 1,386        | 1,325        | 1,356        | 1,359        | 1,242        | r 1,163        |
| (2) Net Ore/Conc./Matte Imports (page 8) <sup>(a)</sup> .... | (24)         | (195)        | (222)        | (214)        | (381)        | (166)        | (150)        | (261)        | (325)        | (379)        | (452)        | (432)        | (365)        | (246)        | (243)        | (370)        | (420)        | (371)        | (376)        | (370)        | r (358)        |
| (3) Total Primary.....                                       | 1,251        | 1,062        | 1,097        | 1,074        | 1,063        | 1,136        | 1,074        | 966          | 965          | 997          | 1,038        | 1,119        | 1,212        | 1,142        | 1,104        | 1,015        | 905          | 984          | 983          | 872          | r 805          |
| (4) Primary Stocks and Other.....                            | (10)         | 126          | 39           | 162          | 127          | 46           | 62           | 120          | 89           | 96           | 104          | 110          | 87           | (10)         | 74           | 77           | 58           | 32           | 19           | 113          | r 204          |
| (5) Electrowon Production.....                               | 644          | 611          | 584          | 556          | 560          | 525          | 474          | 493          | 519          | 524          | 567          | 648          | 678          | 614          | 586          | 581          | 616          | 620          | 612          | 569          | r 506          |
| (6) Smelter Production from Primary.....                     | 597          | 577          | 552          | 680          | 630          | 658          | 662          | 593          | 535          | 569          | 575          | 581          | 621          | 518          | 591          | 511          | 347          | 397          | 390          | 417          | 503            |
| (7) Smelter Production from Scrap.....                       | —            | —            | —            | —            | —            | —            | —            | —            | —            | —            | —            | —            | —            | —            | —            | —            | —            | —            | —            | —            | —              |
| (8) Total Smelter Production (page 8).....                   | 597          | 577          | 552          | 680          | 630          | 658          | 663          | 593          | 535          | 569          | 575          | 581          | 621          | 518          | 591          | 511          | 347          | 397          | 390          | 417          | 503            |
| (9) Net Imports of Blister/Anode (page 8).....               | 115          | 100          | 167          | 152          | 110          | 49           | 10           | (15)         | (15)         | (11)         | (12)         | (11)         | (10)         | (10)         | (10)         | (8)          | (7)          | (26)         | (13)         | (33)         | (56)           |
| (10) Blister/Anode Stocks and Other (page 9)....             | 27           | 45           | 24           | 23           | 51           | (9)          | 22           | 23           | 21           | 14           | 28           | (16)         | 12           | 24           | 12           | 1            | 7            | 77           | 22           | (23)         | 20             |
| (11) Refined Production from Blister/Anode.....              | 740          | 721          | 744          | 855          | 791          | 699          | 694          | 601          | 541          | 571          | 591          | 553          | 623          | 532          | 593          | 505          | 347          | 448          | 399          | 360          | 466            |
| (12) Refined Production from Scrap.....                      | 56           | 52           | 49           | 51           | 60           | 51           | 42           | 41           | 44           | 52           | 51           | 54           | 51           | 44           | 45           | 49           | 48           | 54           | 44           | 43           | 43             |
| (13) Total Refined Production (page 9).....                  | 1,439        | 1,384        | 1,378        | 1,462        | 1,411        | 1,275        | 1,210        | 1,135        | 1,104        | 1,146        | 1,208        | 1,255        | 1,352        | 1,191        | 1,225        | 1,135        | 1,011        | 1,121        | 1,055        | 972          | r 1,015        |
| (14) Net Imports of Refined (page 9).....                    | 636          | 1,023        | 1,117        | 861          | 776          | 643          | 581          | 734          | 519          | 685          | 543          | 661          | 633          | 792          | 648          | 593          | 700          | 961          | 776          | 816          | r 922          |
| (15) Refined Stocks and Other (page 10).....                 | 587          | 99           | (168)        | 33           | 41           | (101)        | 157          | 68           | 317          | 182          | 181          | 66           | 12           | 2            | 123          | 299          | 172          | (164)        | 57           | (57)         | r (198)        |
| (16) Consumption of Refined (page 10).....                   | <b>2,662</b> | <b>2,506</b> | <b>2,327</b> | <b>2,356</b> | <b>2,228</b> | <b>1,817</b> | <b>1,947</b> | <b>1,936</b> | <b>1,940</b> | <b>2,013</b> | <b>1,933</b> | <b>1,982</b> | <b>1,996</b> | <b>1,985</b> | <b>1,996</b> | <b>2,026</b> | <b>1,883</b> | <b>1,917</b> | <b>1,888</b> | <b>1,731</b> | <b>r 1,739</b> |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center

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<sup>1</sup>**

|                                   | 2004         | 2005         | 2006         | 2007         | 2008         | 2009         | 2010         | 2011         | 2012         | 2013         | 2014         | 2015         | 2016         | 2017         | 2018         | 2019         | 2020         | 2021         | 2022         | 2023r        | 2024p          |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
| Arizona.....                      | 797          | 761          | 785          | 806          | 923          | 784          | 775          | 828          | 843          | 876          | 980          | 1,086        | 1,068        | 957          | 883          | 947          | 970          | 956          | 942          | 876          | r 819          |
| Other States <sup>(a)</sup> ..... | 478          | 496          | 535          | 482          | 521          | 518          | 448          | 399          | 446          | 499          | 510          | 465          | 508          | 431          | 464          | 439          | 355          | 400          | 417          | 366          | r 344          |
| <b>TOTAL.....</b>                 | <b>1,275</b> | <b>1,257</b> | <b>1,319</b> | <b>1,287</b> | <b>1,444</b> | <b>1,302</b> | <b>1,224</b> | <b>1,227</b> | <b>1,290</b> | <b>1,376</b> | <b>1,490</b> | <b>1,551</b> | <b>1,576</b> | <b>1,388</b> | <b>1,347</b> | <b>1,386</b> | <b>1,325</b> | <b>1,356</b> | <b>1,359</b> | <b>1,242</b> | <b>r 1,163</b> |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center

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 <sup>(1)</sup>**

| Copper Content, thousands of short tons |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |       |        |
|-----------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|--------|-------|--------|
|                                         | 2004   | 2005   | 2006   | 2007   | 2008   | 2009   | 2010   | 2011   | 2012   | 2013   | 2014   | 2015   | 2016   | 2017   | 2018   | 2019   | 2020   | 2021   | 2022     | 2023r  | 2024p |        |
| Australasia                             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |       |        |
| Australia.....                          | 941    | 1,010  | 947    | 960    | 974    | 941    | 959    | 1,058  | 1,015  | 1,100  | 1,070  | 1,062  | 1,045  | 948    | 1,079  | 1,034  | 969    | 875    | 911      | 858    | r     | 850    |
| Papua New Guinea.....                   | 191    | 213    | 214    | 187    | 176    | 184    | 176    | 144    | 138    | 116    | 84     | 53     | 88     | 116    | 106    | 116    | 91     | 72     | 84       | 100    | r     | 107    |
| Total Australasia.....                  | 1,133  | 1,223  | 1,161  | 1,147  | 1,150  | 1,125  | 1,135  | 1,202  | 1,153  | 1,217  | 1,153  | 1,115  | 1,134  | 1,064  | 1,185  | 1,150  | 1,060  | 947    | 994      | 958    | r     | 957    |
| Americas                                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |       |        |
| Argentina.....                          | 194    | 206    | 199    | 199    | 173    | 158    | 155    | 129    | 150    | 121    | 113    | 68     | 90     | 37     | 19     | —      | —      | —      | —        | —      | —     | —      |
| Brazil.....                             | 109    | 144    | 158    | 227    | 243    | 228    | 236    | 238    | 244    | 299    | 324    | 382    | 369    | 424    | 425    | 398    | 402    | 372    | 331      | 420    | r     | 432    |
| Canada.....                             | 620    | 656    | 665    | 657    | 669    | 540    | 579    | 624    | 638    | 697    | 767    | 769    | 780    | 668    | 598    | 631    | 648    | 604    | 573      | 534    | r     | 495    |
| Chile.....                              | 5,966  | 5,865  | 5,909  | 6,125  | 5,873  | 5,941  | 5,973  | 5,801  | 5,990  | 6,367  | 6,338  | 6,363  | 6,121  | 6,067  | 6,428  | 6,380  | 6,320  | 6,200  | 5,876    | 5,788  | r     | 6,069  |
| Ecuador.....                            | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | 132      | 139    | r     | 118    |
| Mexico.....                             | 447    | 473    | 368    | 372    | 272    | 263    | 298    | 485    | 551    | 531    | 568    | 655    | 845    | 818    | 828    | 847    | 808    | 809    | 831      | 771    | r     | 791    |
| Panama.....                             | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | 386      | 365    | —     | —      |
| Peru.....                               | 1,142  | 1,113  | 1,156  | 1,312  | 1,398  | 1,407  | 1,375  | 1,362  | 1,431  | 1,516  | 1,521  | 1,875  | 2,595  | 2,696  | 2,686  | 2,707  | 2,370  | 2,564  | 2,695    | 3,037  | r     | 3,010  |
| United States.....                      | 1,275  | 1,257  | 1,319  | 1,288  | 1,444  | 1,302  | 1,224  | 1,227  | 1,290  | 1,376  | 1,488  | 1,551  | 1,576  | 1,576  | 1,389  | 1,412  | 1,325  | 1,356  | 1,356    | 1,242  | r     | 1,163  |
| Total Americas.....                     | 9,754  | 9,715  | 9,774  | 10,180 | 10,072 | 9,838  | 9,839  | 9,866  | 10,294 | 10,907 | 11,118 | 11,662 | 12,377 | 12,285 | 12,374 | 12,375 | 11,872 | 11,905 | 12,180.2 | 12,295 | r     | 12,078 |
| Europe                                  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |       |        |
| Bulgaria.....                           | 104    | 104    | 122    | 121    | 116    | 116    | 116    | 126    | 119    | 121    | 121    | 121    | 121    | 121    | 121    | 121    | 121    | 121    | 116      | 116    | r     | 114    |
| Finland.....                            | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | 30       | 22     | r     | 29     |
| Poland.....                             | 585    | 564    | 548    | 498    | 473    | 484    | 469    | 470    | 471    | 473    | 464    | 469    | 468    | 462    | 442    | 440    | 433    | 431    | 433      | 436    | r     | 441    |
| Portugal.....                           | 105    | 99     | 87     | 99     | 99     | 96     | 82     | 88     | 81     | 84     | 83     | 90     | 84     | 75     | 54     | 46     | 35     | 42     | 35       | 45     | r     | 57     |
| Scandinavia <sup>(2)</sup> .....        | 108    | 112    | 110    | 84     | 78     | 76     | 101    | 107    | 119    | 134    | 135    | 129    | 139    | 174    | 169    | 151    | 149    | 132    | 128      | 81     | r     | 75     |
| Serbia.....                             | 13     | 14     | 13     | 18     | 21     | 21     | 0      | —      | —      | —      | —      | —      | —      | 48     | 50     | 51     | 58     | 133    | 225      | 263    | r     | 323    |
| Spain.....                              | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | 13       | 127    | r     | 114    |
| Total Europe.....                       | 916    | 893    | 880    | 821    | 786    | 793    | 767    | 791    | 790    | 812    | 803    | 810    | 813    | 880    | 836    | 808    | 796    | 860    | 980.1    | 1,090  | r     | 1,154  |
| Asia                                    |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |       |        |
| Russian Federation.....                 | 694    | 705    | 744    | 761    | 777    | 745    | 775    | 799    | 794    | 799    | 816    | 769    | 755    | 796    | 852    | 871    | 971    | 989    | 986      | 958    | r     | 1,089  |
| Armenia.....                            | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | 56     | 91     | 113    | 124    | 84     | 116    | 109    | 108    | 89       | 84     | r     | 87     |
| China.....                              | 977    | 998    | 1,126  | 1,043  | 1,205  | 1,171  | 1,300  | 1,402  | 1,642  | 1,891  | 1,963  | 1,881  | 2,095  | 1,881  | 1,754  | 1,795  | 1,900  | 2,004  | 2,023    | 2,005  | r     | 2,031  |
| India.....                              | 33     | 25     | 32     | 36     | 31     | 33     | 36     | 40     | 33     | 43     | 32     | 33     | 34     | 35     | 38     | 31     | 25     | 29     | 26       | 28     | r     | 30     |
| Indonesia.....                          | 929    | 1,174  | 900    | 870    | 717    | 1,098  | 962    | 599    | 439    | 561    | 418    | 638    | 802    | 686    | 718    | 398    | 557    | 829    | 1,064    | 1,030  | r     | 1,145  |
| Iran.....                               | 161    | 181    | 238    | 269    | 273    | 289    | 283    | 334    | 271    | 246    | 239    | 272    | 319    | 333    | 349    | 344    | 346    | 374    | 379      | 359    | r     | 370    |
| Kazakhstan.....                         | 509    | 443    | 479    | 448    | 465    | 448    | 419    | 479    | 460    | 493    | 484    | 489    | 535    | 535    | 699    | 767    | 774    | 702    | 836      | 869    | r     | 847    |
| Laos.....                               | —      | —      | —      | —      | —      | —      | —      | —      | —      | 171    | 176    | 185    | 185    | 169    | 167    | 156    | 97     | 44     | 41       | 55     | r     | 40     |
| Mongolia <sup>(3)</sup> .....           | —      | —      | —      | 146    | 143    | 142    | 139    | 137    | 137    | 219    | 295    | 366    | 387    | 343    | 336    | 322    | 321    | 335    | 295      | 345    | r     | 388    |
| Philippines.....                        | 18     | 18     | 19     | 24     | 24     | 52     | 65     | 70     | 72     | 102    | 99     | 93     | 92     | 75     | 72     | 78     | 67     | 56     | 66       | 68     | r     | 59     |
| Serbia.....                             | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | 324      | 263    | r     | 323    |
| Turkiye.....                            | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | 134    | 119    | 110    | 91     | 88     | 81     | 118    | 121    | 133      | 140    | r     | 140    |
| Total Asia.....                         | 3,322  | 3,544  | 3,538  | 3,598  | 3,634  | 3,976  | 3,979  | 3,859  | 3,848  | 4,525  | 4,711  | 4,937  | 5,426  | 5,067  | 5,157  | 4,958  | 5,284  | 5,591  | 6,263    | 6,205  | r     | 6,549  |
| Africa                                  |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |        |       |        |
| Botswana.....                           | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | —      | 38       | 80     | r     | 104    |
| Congo DR.....                           | 82     | 111    | 141    | 157    | 236    | 332    | 401    | 529    | 619    | 925    | 1,008  | 1,002  | 1,084  | 1,169  | 1,370  | 1,415  | 1,679  | 2,057  | 2,529    | 3,009  | r     | 3,448  |
| Namibia.....                            | 15     | 12     | 7      | 11     | 10     | —      | —      | 4      | 6      | 5      | 6      | 15     | 18     | 17     | 7      | 17     | 12     | 1      | 0        | 1      | r     | 10     |
| South Africa.....                       | 96     | 98     | 99     | 107    | 120    | 119    | 113    | 127    | 89     | 84     | 87     | 85     | 72     | 72     | 53     | 58     | 32     | 56     | 55       | 55     | r     | 59     |
| Zambia.....                             | 443    | 477    | 523    | 561    | 612    | 614    | 756    | 864    | 766    | 838    | 776    | 791    | 841    | 875    | 941    | 879    | 940    | 928    | 852      | 789    | r     | 832    |
| Total Africa.....                       | 636    | 697    | 769    | 836    | 977    | 1,065  | 1,270  | 1,524  | 1,480  | 1,852  | 1,877  | 1,893  | 2,015  | 2,134  | 2,371  | 2,369  | 2,662  | 3,042  | 3,474    | 3,934  | r     | 4,453  |
| Other <sup>(4)</sup> .....              | 520    | 548    | 600    | 476    | 509    | 741    | 686    | 720    | 856    | 828    | 716    | 673    | 675    | 881    | 813    | 995    | 1,072  | 1,109  | 319      | 174    | r     | 148    |
| TOTAL WORLD.....                        | 16,281 | 16,620 | 16,721 | 17,057 | 17,127 | 17,539 | 17,676 | 17,962 | 18,421 | 20,141 | 20,380 | 21,090 | 22,439 | 22,309 | 22,736 | 22,655 | 22,748 | 23,455 | 24,210   | 24,656 | r     | 25,339 |

Sources: International Copper Study Group

p - preliminary r - revised

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

(2) Finland and Sweden reprinted separately starting in 2022. Scandinavia now just represents Sweden.

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

(4) 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 precipitates in the United States**

|                                                                 | Copper Content, thousands of short tons |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |  |
|-----------------------------------------------------------------|-----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--|
|                                                                 | 2004                                    | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  | 2014  | 2015  | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | 2022  | 2023r | 2024p   |  |
| Imports (Ore, Concentrate, Matte, Ash).....                     | 27                                      | 2     | 2     | 3     | 2     | 0     | 2     | 17    | 7     | 5     | 0     | 0     | 0     | 16    | 35    | 30    | 2     | 12    | 13    | 4     | 0       |  |
| Exports (Ore, Concentrate, Matte, Ash).....                     | (51)                                    | (197) | (224) | (217) | (383) | (166) | (151) | (278) | (332) | (384) | (452) | (432) | (365) | (261) | (279) | (400) | (422) | (384) | (389) | (374) | r (358) |  |
| Net Imports (Ore, Concentrate, Matte, Ash) <sup>(a)</sup> ..... | (24)                                    | (195) | (222) | (214) | (381) | (166) | (150) | (261) | (325) | (379) | (452) | (432) | (365) | (246) | (243) | (370) | (420) | (371) | (376) | (370) | r (358) |  |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center

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**

|                                                             | Copper Content, thousands of short tons |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |  |
|-------------------------------------------------------------|-----------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|--|
|                                                             | 2004                                    | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023r | 2024p |  |
| Smelter Production - Domestic Ore<br>(Table 1, Item 6)..... | 597                                     | 577  | 552  | 680  | 630  | 658  | 662  | 593  | 535  | 569  | 575  | 581  | 621  | 518  | 591  | 511  | 347  | 397  | 390  | 417   | 503   |  |
| 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)                | —                                       | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —    | —     | —     |  |
| TOTAL SMELTER PRODUCTION.....                               | 597                                     | 577  | 552  | 680  | 630  | 658  | 662  | 593  | 535  | 569  | 575  | 581  | 621  | 518  | 591  | 511  | 347  | 397  | 390  | 417   | 503   |  |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center

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**

|                                          | Copper Content, thousands of short tons |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |  |
|------------------------------------------|-----------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|--|
|                                          | 2004                                    | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023r | 2024p |  |
| Imports of Blister/Anode Copper.....     | 166                                     | 146  | 188  | 169  | 136  | 75   | 29   | 1    | 1    | 1    | 1    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0     | 0     |  |
| Exports of Blister/Anode Copper.....     | (51)                                    | (46) | (21) | (17) | (26) | (26) | (19) | (16) | (15) | (12) | (13) | (12) | (10) | (11) | (10) | (8)  | (7)  | (27) | (13) | (33)  | (56)  |  |
| Net Imports of Blister/Anode Copper..... | 115                                     | 100  | 167  | 152  | 110  | 49   | 10   | (15) | (15) | (11) | (12) | (11) | (10) | (10) | (10) | (8)  | (7)  | (26) | (13) | (33)  | (56)  |  |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center

p - preliminary, r - revised

Numbers may not sum due to rounding.

**Table 1, Item 10.**

**Blister and anode stocks and other**

| Copper Content, thousands of short tons     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |
|---------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
|                                             | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023r | 2024p |
| End-of-Year Blister/Anode Copper Stocks.... | 57   | 49   | 21   | 29   | 27   | 17   | 29   | 14   | 14   | 14   | 11   | 15   | 16   | 14   | 10   | 18   | 10   | 18   | 15   | 12    | 11    |
| Net Change <sup>(a)</sup> .....             | (6)  | (8)  | (28) | 8    | (2)  | (10) | 12   | (15) | (1)  | 0    | (3)  | 4    | 1    | (2)  | (4)  | 8    | (8)  | 7    | 7    | 4     | 7     |
| Apparent Change <sup>(b)</sup> .....        | (27) | (45) | (24) | (23) | (51) | 9    | (22) | (23) | (21) | (14) | (28) | 16   | (12) | (24) | (12) | (1)  | (7)  | (77) | (22) | 23    | (20)  |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center

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**

| Copper Content, thousands of short tons |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                         | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  | 2014  | 2015  | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | 2022  | 2023r | 2024p |       |
| Refined Production - Primary Sources    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| (Table 1, Items 1,2,4,9 and 10).....    | 1,383 | 1,332 | 1,328 | 1,411 | 1,351 | 1,224 | 1,168 | 1,093 | 1,060 | 1,095 | 1,157 | 1,202 | 1,301 | 1,146 | 1,179 | 1,086 | 963   | 1,067 | 1,011 | 929   | r     | 972   |
| Refined Production - Scrap at Smelters  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| (Table 1, Item 7).....                  | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     |       |
| Refined Production - Scrap at Refiners  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| (Table 1, Item 12).....                 | 56    | 52    | 49    | 51    | 60    | 51    | 42    | 41    | 44    | 52    | 51    | 54    | 51    | 44    | 45    | 49    | 48    | 54    | 44    | 43    | 43    |       |
| TOTAL REFINED PRODUCTION.....           | 1,439 | 1,384 | 1,378 | 1,462 | 1,411 | 1,275 | 1,210 | 1,135 | 1,104 | 1,146 | 1,208 | 1,255 | 1,352 | 1,191 | 1,225 | 1,135 | 1,011 | 1,121 | 1,055 | 972   | r     | 1,015 |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center

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**

| Copper Content, thousands of short tons              |       |       |       |      |      |      |      |      |       |       |       |      |       |       |       |       |      |       |      |       |       |      |
|------------------------------------------------------|-------|-------|-------|------|------|------|------|------|-------|-------|-------|------|-------|-------|-------|-------|------|-------|------|-------|-------|------|
|                                                      | 2004  | 2005  | 2006  | 2007 | 2008 | 2009 | 2010 | 2011 | 2012  | 2013  | 2014  | 2015 | 2016  | 2017  | 2018  | 2019  | 2020 | 2021  | 2022 | 2023r | 2024p |      |
| General Imports of Refined Copper <sup>1</sup> ..... | 776   | 1,077 | 1,184 | 917  | 798  | 732  | 667  | 739  | 694   | 809   | 683   | 756  | 780   | 896   | 858   | 731   | 745  | 1,013 | 807  | 850   | 1,001 |      |
| Total Exports of Refined Copper.....                 | (140) | (54)  | (67)  | (56) | (22) | (89) | (86) | (5)  | (175) | (125) | (140) | (95) | (148) | (104) | (209) | (138) | (45) | (52)  | (30) | (34)  | r     | (79) |
| Net Imports of Refined Copper.....                   | 636   | 1,023 | 1,117 | 861  | 776  | 643  | 581  | 734  | 519   | 685   | 543   | 661  | 633   | 792   | 648   | 593   | 700  | 961   | 776  | 816   | r     | 922  |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center

p - preliminary, r - revised

<sup>1</sup> 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**

| Copper Content, thousands of short tons |       |      |      |      |      |      |       |      |       |       |       |      |      |      |       |       |       |      |      |       |       |     |
|-----------------------------------------|-------|------|------|------|------|------|-------|------|-------|-------|-------|------|------|------|-------|-------|-------|------|------|-------|-------|-----|
|                                         | 2004  | 2005 | 2006 | 2007 | 2008 | 2009 | 2010  | 2011 | 2012  | 2013  | 2014  | 2015 | 2016 | 2017 | 2018  | 2019  | 2020  | 2021 | 2022 | 2023r | 2024p |     |
| End-of year Refined Copper Stocks at:   |       |      |      |      |      |      |       |      |       |       |       |      |      |      |       |       |       |      |      |       |       |     |
| Refineries.....                         | 11    | 9    | 31   | 24   | 17   | 26   | 11    | 9    | 14    | 17    | 11    | 13   | 5    | 6    | 4     | 8     | 4     | 6    | 10   | 7     | r     | 5   |
| Wire Rod Mills.....                     | 22    | 22   | 24   | 23   | 25   | 28   | 22    | 26   | 31    | 36    | 46    | 40   | 29   | 31   | 24    | 22    | 12    | 13   | 20   | 19    |       | 14  |
| Brass Mills.....                        | 24    | 27   | 38   | 11   | 9    | 8    | 7     | 8    | 7     | 7     | 7     | 8    | 8    | 9    | 9     | 8     | 9     | 10   | 12   | 11    |       | 13  |
| Other Processors.....                   | 4     | 6    | 6    | 6    | 4    | 5    | 5     | 5    | 5     | 5     | 5     | 8    | 8    | 6    | 6     | 8     | 8     | 8    | 7    | 8     | r     | 8   |
| Government.....                         | —     | —    | —    | —    | —    | —    | —     | —    | —     | —     | —     | —    | —    | —    | —     | —     | —     | —    | —    | —     | —     | —   |
| Commodity Exchange.....                 | 48    | 7    | 34   | 15   | 36   | 99   | 65    | 88   | 71    | 17    | 27    | 70   | 88   | 211  | 110   | 38    | 77    | 70   | 35   | 19    |       | 93  |
| London Metal Exchange.....              | 39    | 1    | 83   | 67   | 117  | 312  | 313   | 315  | 132   | 204   | 112   | 92   | 109  | 30   | 115   | 39    | 20    | 22   | 8    | 77    |       | 1   |
| End-of Year Total.....                  | 148   | 73   | 216  | 146  | 207  | 478  | 423   | 451  | 260   | 285   | 208   | 232  | 248  | 292  | 268   | 122   | 130   | 130  | 91   | 140   | r     | 135 |
| Net Change <sup>(a)</sup> .....         | (575) | (75) | 144  | (70) | 61   | 271  | (56)  | 29   | (191) | 25    | (77)  | 24   | 14   | 46   | (24)  | (146) | 8     | (1)  | (38) | 49    | r     | (6) |
| Apparent Change <sup>(b)</sup> .....    | (587) | (99) | 168  | (33) | (41) | 101  | (157) | (68) | (317) | (182) | (181) | (66) | (12) | (2)  | (123) | (299) | (172) | 164  | (57) | 57    | r     | 198 |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center

p - preliminary, r - revised

(a) - Net Change - the year-to-year increase (+) or decrease (-)

(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.

Numbers may not sum due to rounding.

**Table 1, Item 16.****Consumption of refined copper in the United States**

| Copper Content, thousands of short tons             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |  |
|-----------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--|
|                                                     | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  | 2014  | 2015  | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | 2022  | 2023r | 2024p   |  |
| Consumption of Refined Copper by:                   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |  |
| Wire Rod Mills.....                                 | 1,962 | 1,852 | 1,731 | 1,775 | 1,642 | 1,257 | 1,378 | 1,400 | 1,411 | 1,444 | 1,400 | 1,455 | 1,455 | 1,455 | 1,466 | 1,499 | 1,356 | 1,422 | 1,378 | 1,224 | 1,301   |  |
| Brass Mills.....                                    | 632   | 582   | 540   | 525   | 528   | 500   | 506   | 474   | 467   | 504   | 467   | 465   | 464   | 463   | 462   | 455   | 455   | 457   | 463   | 462   | 392     |  |
| Ingot Makers <sup>(a)</sup> .....                   | 5     | 5     | 5     | 5     | 3     | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)     |  |
| Foundries and Other Industries <sup>(a)</sup> ..... | 63    | 67    | 51    | 51    | 55    | 60    | 63    | 62    | 62    | 65    | 65    | 62    | 77    | 67    | 68    | 72    | 72    | 38    | 47    | 46    | r 46    |  |
| Powder Plants <sup>(a)</sup> .....                  | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)     |  |
| Other Industries.....                               | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —       |  |
| TOTAL REFINED CONSUMPTION....                       | 2,662 | 2,506 | 2,327 | 2,356 | 2,228 | 1,817 | 1,947 | 1,936 | 1,940 | 2,013 | 1,933 | 1,982 | 1,996 | 1,985 | 1,996 | 2,026 | 1,883 | 1,917 | 1,888 | 1,731 | r 1,739 |  |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center

p - preliminary, r - revised

(a) - Starting with 1995 Powder Plants data are included with Foundries and Other Industries. Starting in 2009 Ingot Makers data are also included with Foundries and Other Industries.

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**

| Copper Content, thousands of short tons              |       |       |       |       |       |       |         |         |         |         |         |       |       |       |       |       |       |       |       |       |       |  |
|------------------------------------------------------|-------|-------|-------|-------|-------|-------|---------|---------|---------|---------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
|                                                      | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010    | 2011    | 2012    | 2013    | 2014    | 2015  | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | 2022  | 2023r | 2024p |  |
| (1) Receipts of Domestic Scrap.....                  | 1,557 | 1,511 | 1,623 | 1,570 | 1,755 | 1,648 | 1,810   | 2,064   | 2,023   | 1,978   | 1,857   | 1,730 | 1,824 | 1,809 | 1,699 | 1,532 | 1,595 | 1,689 | 1,725 | 1,694 | r     |  |
| (2) Net Scrap Imports (page 12) <sup>(a)</sup> ..... | (549) | (512) | (628) | (653) | (883) | (850) | (1,033) | (1,246) | (1,202) | (1,158) | (1,024) | (930) | (901) | (925) | (832) | (658) | (730) | (854) | (880) | (837) | r     |  |
| (3) Scrap Stocks (page 12).....                      | (11)  | (9)   | (2)   | 20    | 0     | 5     | 31      | 0       | 0       | 1       | (2)     | 0     | (54)  | (15)  | (0)   | (0)   | 24    | 27    | 2     | 2     | 6     |  |
| (4) Recovery from Copper-Base Scrap (page 13)        | 996   | 990   | 992   | 937   | 873   | 803   | 808     | 818     | 821     | 821     | 830     | 800   | 868   | 870   | 868   | 874   | 890   | 863   | 848   | 859   | r     |  |
| (5) Recovery from Other Scrap (page 13)              | 68    | 61    | 77    | 83    | 67    | 51    | 57      | 67      | 70      | 71      | 76      | 74    | 74    | 76    | 76    | 81    | 60    | 62    | 74    | 72    | 74    |  |
| (6) Total Scrap Recovery (page 13).....              | 1,064 | 1,051 | 1,069 | 1,020 | 940   | 854   | 865     | 885     | 891     | 892     | 906     | 873   | 943   | 946   | 944   | 954   | 950   | 925   | 922   | 932   | r     |  |
| (7) Smelter Production from Scrap.....               | —     | —     | —     | —     | —     | —     | —       | —       | —       | —       | —       | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     |  |
| (8) Refined Production from Scrap.....               | (56)  | (52)  | (49)  | (51)  | (60)  | (51)  | (42)    | (41)    | (44)    | (52)    | (51)    | (54)  | (51)  | (44)  | (45)  | (49)  | (48)  | (54)  | (44)  | (43)  | -43   |  |
| (9) Non-Reported Scrap & Other.....                  | 8     | 8     | 8     | 9     | 10    | 9     | 0       | 0       | 0       | 0       | 1       | 1     | 1     | (5)   | (0)   | (0)   | 20    | 37    | 0     | 0     | 0     |  |
| (10) Consumption of Scrap (page 13).....             | 1,016 | 1,006 | 1,027 | 978   | 890   | 812   | 823     | 843     | 847     | 841     | 856     | 820   | 893   | 897   | 898   | 905   | 922   | 908   | 878   | 889   | r     |  |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center

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**

|                                                 | Copper Content, thousands of short tons |       |       |       |         |       |         |         |         |         |         |         |         |         |         |       |       |         |         |       |       |         |
|-------------------------------------------------|-----------------------------------------|-------|-------|-------|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|-------|---------|---------|-------|-------|---------|
|                                                 | 2004                                    | 2005  | 2006  | 2007  | 2008    | 2009  | 2010    | 2011    | 2012    | 2013    | 2014    | 2015    | 2016    | 2017    | 2018    | 2019  | 2020  | 2021    | 2022    | 2023r | 2024p |         |
| Imports of Copper-Base Scrap.....               | 88                                      | 100   | 101   | 124   | 117     | 79    | 106     | 121     | 115     | 117     | 129     | 123     | 138     | 182     | 174     | 152   | 126   | 157     | 142     | 131   | r     | 154     |
| Exports of Copper-Base Scrap.....               | (637)                                   | (612) | (729) | (777) | (1,000) | (929) | (1,139) | (1,367) | (1,317) | (1,275) | (1,153) | (1,053) | (1,039) | (1,107) | (1,005) | (810) | (855) | (1,011) | (1,022) | (968) | r     | (1,052) |
| Net Imports of Copper-Base Scrap <sup>(a)</sup> | (549)                                   | (512) | (628) | (653) | (883)   | (850) | (1,033) | (1,246) | (1,202) | (1,158) | (1,024) | (930)   | (901)   | (925)   | (832)   | (658) | (730) | (854)   | (880)   | (837) | r     | (899)   |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center

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**

| Copper Content, thousands of short tons   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |
|-------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
|                                           | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023r | 2024p |
| Scrap Copper-Base Stocks at:              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |
| Brass Mills.....                          | 51   | 56   | 58   | 40   | 40   | 36   | 1    | 1    | 2    | 4    | 5    | 5    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2     | 1     |
| Secondary Smelters & Primary Producers... | 7    | 12   | 12   | 10   | 11   | 8    | 12   | 10   | 11   | 9    | 9    | 9    | 66   | 81   | 81   | 81   | 58   | 33   | 30   | 28    | 22    |
| Foundries.....                            | 4    | 4    | 4    | 4    | 3    | 5    | 5    | 7    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 5    | 4    | 2    | 3    | 2     | 2     |
| Other Processors.....                     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |
| End-of Year Total.....                    | 63   | 72   | 74   | 54   | 54   | 49   | 18   | 18   | 18   | 17   | 19   | 19   | 73   | 88   | 88   | 88   | 64   | 36   | 34   | 32    | 26    |
| Net Change <sup>(a)</sup> .....           | 11   | 9    | 2    | (20) | (0)  | (5)  | (31) | (0)  | (0)  | (1)  | 2    | (0)  | 54   | 15   | 0    | 0    | (24) | (27) | (2)  | (2)   | (6)   |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center

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 Table 2.

Numbers may not sum due to rounding.

**Table 2, Item 6.**

**Recovery of copper from scrap**

| Copper Content, thousands of short tons |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |  |
|-----------------------------------------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|--|
|                                         | 2004  | 2005  | 2006  | 2007  | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023r | 2024p |  |
| Copper Recovered from                   |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |  |
| Copper-Base Scrap.....                  |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |  |
| New Scrap.....                          | 810   | 805   | 851   | 797   | 726  | 670  | 675  | 681  | 669  | 657  | 685  | 662  | 725  | 743  | 741  | 741  | 756  | 713  | 707  | 731   | 761   |  |
| Old Scrap.....                          | 186   | 185   | 141   | 140   | 147  | 132  | 133  | 137  | 152  | 164  | 145  | 138  | 143  | 127  | 127  | 133  | 133  | 150  | 141  | 128   | r 131 |  |
| Total (Table 2, Item 4).....            | 996   | 990   | 992   | 937   | 873  | 803  | 808  | 818  | 821  | 821  | 830  | 800  | 868  | 870  | 868  | 874  | 890  | 863  | 848  | 859   | r 892 |  |
| Copper Recovered from Scrap             |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |  |
| other than Copper-Base                  |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |  |
| New Scrap.....                          | 43    | 44    | 52    | 50    | 42   | 32   | 33   | 35   | 36   | 37   | 40   | 40   | 41   | 42   | 42   | 45   | 35   | 39   | 40   | 39    | 41    |  |
| Old Scrap.....                          | 25    | 17    | 25    | 33    | 26   | 19   | 24   | 32   | 34   | 34   | 36   | 33   | 33   | 34   | 34   | 36   | 25   | 22   | 34   | 33    | 34    |  |
| Total (Table 2, Item 5).....            | 68    | 61    | 77    | 83    | 67   | 51   | 57   | 67   | 70   | 71   | 76   | 74   | 74   | 76   | 76   | 81   | 60   | 62   | 74   | 72    | 74    |  |
| Copper Recovered from All               |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |  |
| Scrap                                   |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |  |
| New Scrap.....                          | 853   | 848   | 902   | 846   | 768  | 703  | 708  | 716  | 706  | 694  | 726  | 702  | 766  | 786  | 783  | 786  | 792  | 752  | 746  | 770   | 801   |  |
| Old Scrap.....                          | 211   | 202   | 166   | 173   | 172  | 151  | 158  | 169  | 186  | 198  | 181  | 171  | 176  | 161  | 161  | 169  | 158  | 172  | 175  | 161   | r 165 |  |
| Total Copper Recovered                  |       |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |  |
| (Table 2, Item 6)....                   | 1,064 | 1,051 | 1,069 | 1,020 | 940  | 854  | 865  | 885  | 891  | 892  | 906  | 873  | 943  | 946  | 944  | 954  | 950  | 925  | 922  | 932   | r 967 |  |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center

p - preliminary, r - revised

Numbers may not sum due to rounding.

**Table 2, Item 10.**

**Consumption of copper scrap in the United States**

|                                      | Copper Content, thousands of short tons |              |              |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |              |  |
|--------------------------------------|-----------------------------------------|--------------|--------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|--|
|                                      | 2004                                    | 2005         | 2006         | 2007       | 2008       | 2009       | 2010       | 2011       | 2012       | 2013       | 2014       | 2015       | 2016       | 2017       | 2018       | 2019       | 2020       | 2021       | 2022       | 2023r      | 2024p        |  |
| Consumption of Copper Scrap          |                                         |              |              |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |              |  |
| by:                                  |                                         |              |              |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |              |  |
| Wire Rod Mills.....                  | 29                                      | 29           | 30           | 28         | 26         | 24         | 25         | 25         | 20         | 20         | 21         | 20         | 22         | 23         | 23         | 23         | 24         | 23         | 23         | 24         | 25           |  |
| Brass Mills.....                     | 748                                     | 739          | 763          | 710        | 651        | 605        | 608        | 615        | 611        | 604        | 647        | 608        | 663        | 688        | 697        | 697        | 713        | 699        | 693        | 714        | 745          |  |
| Ingot Makers.....                    | 99                                      | 104          | 91           | 100        | 87         | 83         | 84         | 86         | 84         | 83         | 62         | 62         | 80         | 63         | 63         | 64         | 64         | 64         | 44         | 44         | 41           |  |
| Foundries.....                       | 72                                      | 74           | 66           | 57         | 59         | 49         | 50         | 51         | 63         | 62         | 50         | 54         | 52         | 52         | 40         | 41         | 41         | 41         | 44         | 44         | 39           |  |
| Powder Plants <sup>(a)</sup> .....   | (a)                                     | (a)          | (a)          | (a)        | (a)        | (a)        | (a)        | (a)        | (a)        | (a)        | (a)        | (a)        | (a)        | (a)        | (a)        | (a)        | (a)        | (a)        | (a)        | (a)        | (a)          |  |
| Chemical Plants <sup>(b)</sup> ..... | (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.....          | 68                                      | 61           | 77           | 83         | 67         | 51         | 57         | 67         | 70         | 72         | 77         | 72         | 72         | 76         | 76         | 76         | 80         | 62         | 62         | 62         | 58           |  |
| Miscellaneous Adjustments.....       | —                                       | —            | —            | —          | —          | —          | —          | —          | —          | —          | —          | 3          | 3          | (4)        | 0          | 5          | 2          | 20         | 12         | 1          | r 17         |  |
| <b>TOTAL COPPER CONSUMED.....</b>    | <b>1,016</b>                            | <b>1,006</b> | <b>1,027</b> | <b>978</b> | <b>890</b> | <b>812</b> | <b>823</b> | <b>843</b> | <b>848</b> | <b>841</b> | <b>856</b> | <b>820</b> | <b>893</b> | <b>897</b> | <b>898</b> | <b>905</b> | <b>922</b> | <b>908</b> | <b>878</b> | <b>889</b> | <b>r 924</b> |  |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center

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**

| Copper Content, thousands of short tons |                                                                            |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |     |              |
|-----------------------------------------|----------------------------------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----|--------------|
|                                         | 2004                                                                       | 2005         | 2006         | 2007         | 2008         | 2009         | 2010         | 2011         | 2012         | 2013         | 2014         | 2015         | 2016         | 2017         | 2018         | 2019         | 2020         | 2021         | 2022         | 2023r        | 2024p        |     |              |
| (1)                                     | Consumption of Refined Copper (Table 1, Item 16)                           | 2,662        | 2,506        | 2,327        | 2,356        | 2,228        | 1,817        | 1,947        | 1,936        | 1,940        | 2,013        | 1,933        | 1,982        | 1,996        | 1,985        | 1,996        | 2,026        | 1,883        | 1,917        | 1,888        | 1,731        | r   | 1,739        |
| (2)                                     | Consumption of Copper in Scrap (Table 2, Item 10)                          | 1,016        | 1,006        | 1,027        | 978          | 890          | 812          | 823          | 843          | 848          | 841          | 856          | 820          | 893          | 897          | 898          | 905          | 922          | 908          | 878          | 889          | r   | 924          |
| (3)                                     | <b>Total Copper Consumed (page 15)</b>                                     | <b>3,678</b> | <b>3,512</b> | <b>3,354</b> | <b>3,334</b> | <b>3,118</b> | <b>2,628</b> | <b>2,771</b> | <b>2,780</b> | <b>2,788</b> | <b>2,854</b> | <b>2,789</b> | <b>2,802</b> | <b>2,889</b> | <b>2,882</b> | <b>2,894</b> | <b>2,932</b> | <b>2,806</b> | <b>2,826</b> | <b>2,766</b> | <b>2,620</b> | r   | <b>2,663</b> |
| (4)                                     | Consumption of Zinc.....                                                   | 284          | 273          | 268          | 253          | 226          | 238          | 236          | 186          | 196          | 166          | 162          | 145          | 134          | 134          | 133          | 143          | 139          | 129          | 124          | r            | 119 |              |
| (5)                                     | Consumption of Lead.....                                                   | 14           | 11           | 11           | 11           | 13           | 12           | 11           | 13           | 10           | 10           | 12           | 11           | 10           | 7            | 7            | 10           | 7            | 6            | 6            | r            | 6   |              |
| (6)                                     | Consumption of Tin.....                                                    | 8            | 9            | 9            | 9            | 8            | 8            | 7            | 11           | 9            | 8            | 7            | 6            | 6            | 5            | 5            | 6            | 4            | 4            | 4            | r            | 3   |              |
| (7)                                     | Consumption of Nickel.....                                                 | 7            | 7            | 6            | 6            | 5            | 5            | 5            | 2            | 1            | 1            | 2            | 1            | 1            | 0            | 0            | 0            | 0            | 1            | 1            | r            | 1   |              |
| (8)                                     | <b>Total Alloying Metal Consumed (page 16)</b>                             | <b>314</b>   | <b>300</b>   | <b>295</b>   | <b>278</b>   | <b>252</b>   | <b>263</b>   | <b>259</b>   | <b>212</b>   | <b>217</b>   | <b>186</b>   | <b>183</b>   | <b>164</b>   | <b>151</b>   | <b>145</b>   | <b>145</b>   | <b>150</b>   | <b>155</b>   | <b>150</b>   | <b>140</b>   | <b>135</b>   | r   | <b>130</b>   |
| (9)                                     | <b>Total Metal Consumed</b>                                                | <b>3,992</b> | <b>3,812</b> | <b>3,649</b> | <b>3,611</b> | <b>3,371</b> | <b>2,891</b> | <b>3,030</b> | <b>2,991</b> | <b>3,004</b> | <b>3,040</b> | <b>2,972</b> | <b>2,966</b> | <b>3,040</b> | <b>3,027</b> | <b>3,039</b> | <b>3,081</b> | <b>2,961</b> | <b>2,976</b> | <b>2,906</b> | <b>2,755</b> | r   | <b>2,792</b> |
| (10)                                    | Ingot Consumed (page 17) <sup>(a)</sup>                                    | 109          | 102          | 97           | 90           | 84           | 85           | 83           | 68           | 68           | 65           | 65           | 62           | 65           | 65           | 65           | 65           | 61           | 64           | 61           | r            | 61  |              |
| (11)                                    | Ingot Stocks & Other <sup>(a,b)</sup>                                      | (17)         | (27)         | (20)         | (38)         | (30)         | (28)         | (23)         | (41)         | (40)         | (38)         | (17)         | (18)         | (32)         | (14)         | (13)         | (16)         | (12)         | (13)         |              |              |     |              |
| (12)                                    | <b>Net Metal Consumed (page 17).....</b>                                   | <b>3,974</b> | <b>3,785</b> | <b>3,629</b> | <b>3,573</b> | <b>3,341</b> | <b>2,863</b> | <b>3,007</b> | <b>2,950</b> | <b>2,965</b> | <b>3,002</b> | <b>2,956</b> | <b>2,948</b> | <b>3,008</b> | <b>3,013</b> | <b>3,027</b> | <b>3,066</b> | <b>2,949</b> | <b>2,963</b> | <b>2,915</b> | <b>2,762</b> | r   | <b>2,792</b> |
| (13)                                    | Wire Rod Mills - Net Metal Consumed (p 17)                                 | 1,991        | 1,881        | 1,760        | 1,802        | 1,668        | 1,281        | 1,403        | 1,425        | 1,431        | 1,464        | 1,421        | 1,475        | 1,477        | 1,478        | 1,489        | 1,522        | 1,379        | 1,445        | 1,401        | 1,247        | r   | 1,325        |
| (14)                                    | Wire Rod Mills - Metal Stocks & Other.....                                 | (30)         | (201)        | (13)         | (40)         | 7            | (24)         | (36)         | (47)         | (20)         | (9)          | 1            | (31)         | (44)         | (23)         | (32)         | (67)         | (13)         | 54           | 65           | 43           | r   | 42           |
| (15)                                    | Wire Rod Mills - Shipments.....                                            | 1,961        | 1,680        | 1,747        | 1,763        | 1,676        | 1,257        | 1,367        | 1,378        | 1,411        | 1,455        | 1,422        | 1,444        | 1,433        | 1,455        | 1,466        | 1,455        | 1,367        | 1,499        | 1,466        | 1,290        | r   | 1,367        |
| (16)                                    | Wire Rod - Net Imports.....                                                | 208          | 486          | 446          | 159          | 77           | 1            | (43)         | 36           | (5)          | 15           | 10           | (19)         | (20)         | (52)         | 32           | 84           | 70           | 57           | 34           | 53           | r   | 66           |
| (17)                                    | Wire Mills - Net Metal Consumed.....                                       | 2,169        | 2,166        | 2,193        | 1,922        | 1,753        | 1,257        | 1,324        | 1,414        | 1,406        | 1,470        | 1,432        | 1,425        | 1,413        | 1,403        | 1,498        | 1,539        | 1,436        | 1,556        | 1,500        | 1,343        | r   | 1,433        |
| (18)                                    | Wire Mills - Metal Stocks & Other.....                                     | (151)        | (109)        | (304)        | (181)        | (207)        | 151          | 77           | (134)        | 16           | (15)         | (10)         | 30           | 72           | 115          | 72           | 59           | 121          | 148          | 217          | 305          | r   | 215          |
| (19)                                    | Wire Mills - Metal Contained in Products Supplied (Table 4, Item 11)       | 2,018        | 2,057        | 1,889        | 1,741        | 1,546        | 1,408        | 1,401        | 1,280        | 1,422        | 1,455        | 1,422        | 1,456        | 1,486        | 1,518        | 1,571        | 1,598        | 1,557        | 1,704        | 1,717        | 1,648        | r   | 1,648        |
| (20)                                    | Brass Mills - Net Metal Consumed (p 17)                                    | 1,637        | 1,571        | 1,547        | 1,455        | 1,368        | 1,285        | 1,298        | 1,272        | 1,260        | 1,297        | 1,273        | 1,215        | 1,258        | 1,279        | 1,286        | 1,284        | 1,309        | 1,295        | 1,284        | 1,299        | r   | 1,255        |
| (21)                                    | Brass Mills - Metal Stocks & Other.....                                    | 82           | 128          | 74           | (7)          | (94)         | (344)        | (260)        | (261)        | (276)        | (252)        | (224)        | (232)        | (263)        | (299)        | (284)        | (368)        | (426)        | (311)        | (367)        | (501)        | r   | (452)        |
| (22)                                    | Brass Mills - Metal Contained in Products Supplied (Table 4, Item 17)..... | 1,720        | 1,699        | 1,621        | 1,448        | 1,274        | 941          | 1,038        | 1,011        | 983          | 1,018        | 1,049        | 983          | 995          | 980          | 1,003        | 916          | 882          | 984          | 916          | 798          | r   | 803          |
| (23)                                    | Foundries - Net Metal Consumed (page 17)                                   | 270          | 264          | 238          | 223          | 230          | 242          | 250          | 186          | 204          | 196          | 184          | 182          | 198          | 185          | 175          | 179          | 179          | 141          | 156          | 153          | r   | 147          |
| (24)                                    | Foundries - Metal Stocks & Other.....                                      | (130)        | (127)        | (108)        | (103)        | (123)        | (149)        | (159)        | (96)         | (117)        | (109)        | (98)         | (99)         | (112)        | (98)         | (85)         | (90)         | (101)        | (58)         | (71)         | (65)         | r   | (65)         |
| (25)                                    | Foundries - Metal Contained in Products Supplied .....                     | 140          | 138          | 130          | 120          | 108          | 93           | 91           | 90           | 87           | 87           | 87           | 83           | 86           | 87           | 91           | 90           | 78           | 83           | 85           | 87           | r   | 82           |
| (26)                                    | Powder Plants - Net Metal Consumed <sup>(c)</sup> .....                    | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | r   | (c)          |
| (27)                                    | Powder Plants - Metal Stocks & Other <sup>(b)</sup> .....                  | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | r   | (c)          |
| (28)                                    | Powder Plants - Metal Contained in Products Supplied <sup>(b)</sup> .....  | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | r   | (c)          |
| (29)                                    | Other Industries - Net Metal Consumed.....                                 | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | (c)          | r   | (c)          |
|                                         | Miscellaneous and Discrepancies                                            | 77           | 70           | 86           | 84           | 67           | 51           | 57           | 67           | 70           | 72           | 77           | 75           | 75           | 71           | 76           | 80           | 82           | 82           | 74           | 63           | r   | 74           |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center

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 and Other Industries 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**

| Copper Content, thousands of short tons         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |  |
|-------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|--|
|                                                 | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  | 2014  | 2015  | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | 2022  | 2023r | 2024p   |  |
| Consumption of Copper by:                       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |  |
| Wire Rod Mills                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |  |
| Refined.....                                    | 1,962 | 1,852 | 1,731 | 1,775 | 1,642 | 1,257 | 1,378 | 1,400 | 1,411 | 1,444 | 1,400 | 1,455 | 1,455 | 1,455 | 1,466 | 1,499 | 1,356 | 1,422 | 1,378 | 1,224 | 1,301   |  |
| Scrap.....                                      | 29    | 29    | 30    | 28    | 26    | 24    | 25    | 25    | 20    | 20    | 21    | 20    | 22    | 23    | 23    | 23    | 24    | 23    | 23    | 24    | 25      |  |
| Total.....                                      | 1,991 | 1,881 | 1,760 | 1,802 | 1,668 | 1,281 | 1,403 | 1,425 | 1,431 | 1,464 | 1,421 | 1,475 | 1,477 | 1,478 | 1,489 | 1,522 | 1,379 | 1,445 | 1,401 | 1,247 | 1,325   |  |
| Brass Mills <sup>(a)</sup>                      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |  |
| Refined.....                                    | 632   | 582   | 540   | 525   | 528   | 500   | 506   | 474   | 467   | 504   | 467   | 465   | 464   | 463   | 462   | 455   | 455   | 457   | 463   | 462   | 392     |  |
| Scrap.....                                      | 748   | 739   | 763   | 710   | 651   | 605   | 608   | 615   | 611   | 604   | 647   | 608   | 663   | 688   | 697   | 697   | 713   | 699   | 693   | 714   | 745     |  |
| Total.....                                      | 1,380 | 1,321 | 1,303 | 1,235 | 1,179 | 1,105 | 1,114 | 1,089 | 1,078 | 1,108 | 1,114 | 1,073 | 1,127 | 1,151 | 1,158 | 1,153 | 1,168 | 1,156 | 1,156 | 1,176 | 1,137   |  |
| Ingot Makers <sup>(b)</sup>                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |  |
| Refined.....                                    | 5     | 5     | 5     | 5     | 3     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —       |  |
| Scrap.....                                      | 99    | 104   | 91    | 100   | 87    | 83    | 84    | 86    | 84    | 83    | 62    | 62    | 80    | 64    | 63    | 64    | 64    | 64    | 44    | 44    | 41      |  |
| Total.....                                      | 104   | 109   | 96    | 105   | 90    | 83    | 84    | 86    | 84    | 83    | 62    | 62    | 80    | 64    | 63    | 64    | 64    | 64    | 44    | 44    | 41      |  |
| Foundries and Other Industries <sup>(a,c)</sup> |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |  |
| Refined.....                                    | 63    | 67    | 51    | 51    | 55    | 60    | 63    | 62    | 62    | 65    | 65    | 62    | 77    | 67    | 68    | 72    | 72    | 38    | 47    | 46    | r 46    |  |
| Scrap.....                                      | 63    | 65    | 57    | 51    | 52    | 44    | 50    | 51    | 63    | 62    | 50    | 54    | 52    | 52    | 40    | 41    | 41    | 41    | 44    | 44    | 39      |  |
| Total.....                                      | 127   | 132   | 109   | 103   | 107   | 104   | 113   | 113   | 125   | 127   | 115   | 116   | 129   | 119   | 109   | 113   | 113   | 79    | 91    | 90    | r 85    |  |
| Powder Plants <sup>(c)</sup>                    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |  |
| 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 <sup>(d)</sup>                    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |  |
| Refined.....                                    | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —     | —       |  |
| Scrap.....                                      | 77    | 70    | 86    | 89    | 74    | 56    | 57    | 67    | 70    | 72    | 77    | 75    | 75    | 71    | 76    | 80    | 82    | 82    | 74    | 63    | r 74    |  |
| Total.....                                      | 77    | 70    | 86    | 89    | 74    | 56    | 57    | 67    | 70    | 72    | 77    | 75    | 75    | 71    | 76    | 80    | 82    | 82    | 74    | 63    | r 74    |  |
| All Industries                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |  |
| Refined (Table1, Item 16)                       | 2,662 | 2,506 | 2,327 | 2,356 | 2,228 | 1,817 | 1,947 | 1,936 | 1,940 | 2,013 | 1,933 | 1,982 | 1,996 | 1,985 | 1,996 | 2,026 | 1,883 | 1,917 | 1,888 | 1,731 | r 1,739 |  |
| Scrap (Table 2, Item 10)                        | 1,016 | 1,006 | 1,027 | 978   | 890   | 812   | 823   | 843   | 848   | 841   | 856   | 820   | 893   | 897   | 898   | 905   | 922   | 908   | 878   | 889   | r 924   |  |
| TOTAL COPPER CONSUMED (Table 3, Item 3)...      | 3,678 | 3,512 | 3,354 | 3,334 | 3,118 | 2,628 | 2,771 | 2,780 | 2,788 | 2,854 | 2,789 | 2,802 | 2,889 | 2,882 | 2,894 | 2,932 | 2,806 | 2,826 | 2,766 | 2,620 | r 2,663 |  |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center

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 data are included with "Foundries and Other Industries."

(d) - Miscellaneous - reconciles discrepancies 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**

| Copper Content, thousands of short tons                |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |
|--------------------------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|                                                        | 2004       | 2005       | 2006       | 2007       | 2008       | 2009       | 2010       | 2011       | 2012       | 2013       | 2014       | 2015       | 2016       | 2017       | 2018       | 2019       | 2020       | 2021       | 2022       | 2023r      | 2024p      |
| Consumption of Alloying Metal by:                      |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |
| Brass Mills <sup>(a)</sup>                             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |
| Zinc:Unalloyed & in Secondary Copper Alloys            | 241        | 236        | 230        | 209        | 179        | 170        | 176        | 173        | 174        | 154        | 150        | 134        | 125        | 125        | 125        | 125        | 136        | 133        | 122        | 118        | 113        |
| Lead:Unalloyed & in Secondary Copper Alloys            | 7          | 4          | 4          | 3          | 3          | 3          | 3          | 4          | 4          | 4          | 6          | 5          | 4          | 2          | 2          | 5          | 4          | 3          | 3          | 3          | 3          |
| Tin:Unalloyed & in Secondary Copper Alloys             | 2          | 3          | 4          | 3          | 2          | 2          | 2          | 5          | 3          | 2          | 2          | 1          | 1          | 1          | 1          | 2          | 1          | 1          | 1          | 1          | 1          |
| Nickel:Unalloyed & in Secondary Copper Alloys          | 7          | 7          | 6          | 5          | 5          | 5          | 3          | 1          | 1          | 1          | 1          | 1          | 1          | -          | -          | -          | -          | 1          | 1          | 1          | 1          |
| Total                                                  | 256        | 250        | 243        | 221        | 189        | 180        | 184        | 183        | 182        | 162        | 159        | 141        | 131        | 128        | 128        | 131        | 141        | 138        | 127        | 123        | 118        |
| Ingot Makers                                           |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |
| Zinc:Unalloyed & in Secondary Copper Alloys            | 12         | 10         | 10         | 12         | 10         | 17         | 10         | 10         | 13         | 10         | 10         | 9          | 8          | 8          | 8          | 8          | 7          | 5          | 6          | 6          | 5          |
| Lead:Unalloyed & in Secondary Copper Alloys            | 6          | 6          | 6          | 7          | 9          | 9          | 7          | 8          | 6          | 6          | 6          | 5          | 5          | 4          | 4          | 5          | 3          | 3          | 3          | 3          | 3          |
| Tin:Unalloyed & in Secondary Copper Alloys             | 4          | 4          | 4          | 5          | 5          | 4          | 4          | 5          | 4          | 4          | 4          | 4          | 4          | 3          | 3          | 4          | 3          | 2          | 2          | 2          | 2          |
| Nickel:Unalloyed                                       | 0          | 0          | 0          | -          | 0          | 0          | 1          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | -          | -          | -          | -          | -          | -          | -          |
| Total                                                  | 22         | 20         | 20         | 24         | 24         | 30         | 22         | 23         | 23         | 20         | 20         | 18         | 16         | 15         | 15         | 17         | 13         | 11         | 11         | 11         | 11         |
| Foundries and Other Industries <sup>(a)</sup>          |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |
| Zinc:Unalloyed & in Secondary Copper Alloys            | 32         | 27         | 28         | 32         | 37         | 51         | 50         | 2          | 9          | 2          | 2          | 2          | 2          | 1          | 1          | 1          | 1          | 1          | 1          | 1          | 1          |
| Lead:Unalloyed & in Secondary Copper Alloys            | 1          | 1          | 1          | 0          | 1          | 1          | 1          | 1          | 1          | 1          | 1          | 1          | 1          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |
| Tin:Unalloyed & in Secondary Copper Alloys             | 2          | 2          | 2          | 1          | 1          | 1          | 1          | 2          | 2          | 2          | 1          | 1          | 1          | 0          | 0          | 1          | 0          | 0          | 0          | 0          | 0          |
| Nickel:Unalloyed                                       | 0          | 0          | 0          | -          | 0          | 0          | 1          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          | 0          |
| Total                                                  | 35         | 30         | 31         | 33         | 39         | 54         | 53         | 5          | 12         | 4          | 4          | 4          | 4          | 2          | 2          | 2          | 1          | 1          | 1          | 1          | 1          |
| Powder Plants <sup>(a)</sup>                           |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |
| Total                                                  | (b)        | (b)        | (b)        | (b)        | (b)        | (b)        | (b)        | (b)        | (b)        | (b)        | (b)        | (b)        | (b)        | (b)        | (b)        | (b)        | (b)        | (b)        | (b)        | (b)        | (b)        |
| All Industries                                         |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |
| Zinc: Unalloyed & in Secondary Copper Alloys           | 284        | 273        | 268        | 253        | 226        | 238        | 236        | 186        | 196        | 166        | 162        | 145        | 134        | 134        | 133.7      | 133.4      | 143.3      | 139        | 129        | 124        | 119        |
| Lead: Unalloyed & in Secondary Copper Alloys           | 14         | 11         | 11         | 11         | 13         | 12         | 11         | 13         | 10         | 10         | 12         | 11         | 10         | 7          | 7          | 10         | 7          | 6          | 6          | 6          | 6          |
| Tin: Unalloyed & in Secondary Copper Alloys            | 8          | 9          | 9          | 9          | 8          | 8          | 7          | 11         | 9          | 8          | 7          | 6          | 6          | 4          | 5          | 6          | 4          | 4          | 4          | 4          | 3          |
| Nickel: Unalloyed & in Secondary Copper Alloys         | 7          | 7          | 6          | 5          | 5          | 5          | 5          | 2          | 1          | 1          | 2          | 1          | 1          | 0          | 0          | 0          | 0          | 1          | 1          | 1          | 1          |
| <b>TOTAL ALLOYING METAL CONSUMED (Table 3, Item 8)</b> | <b>314</b> | <b>300</b> | <b>295</b> | <b>278</b> | <b>252</b> | <b>263</b> | <b>259</b> | <b>212</b> | <b>217</b> | <b>186</b> | <b>183</b> | <b>164</b> | <b>151</b> | <b>145</b> | <b>145</b> | <b>150</b> | <b>155</b> | <b>150</b> | <b>140</b> | <b>135</b> | <b>130</b> |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center  
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**

| Copper Content, thousands of short tons         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |
|-------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|
|                                                 | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  | 2014  | 2015  | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | 2022  | 2023r | 2024p   |
| Net Metal Consumed by:                          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| Wire Rod Mills - Copper (Table 3, Item 13)..... | 1,991 | 1,881 | 1,760 | 1,802 | 1,668 | 1,281 | 1,403 | 1,425 | 1,431 | 1,464 | 1,421 | 1,475 | 1,477 | 1,478 | 1,489 | 1,522 | 1,379 | 1,445 | 1,401 | 1,247 | 1,325   |
| Brass Mills                                     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| Copper.....                                     | 1,380 | 1,321 | 1,303 | 1,235 | 1,179 | 1,105 | 1,114 | 1,089 | 1,078 | 1,108 | 1,114 | 1,073 | 1,127 | 1,151 | 1,158 | 1,153 | 1,168 | 1,156 | 1,156 | 1,176 | 1,137   |
| Alloy.....                                      | 256   | 250   | 243   | 221   | 189   | 180   | 184   | 183   | 182   | 162   | 159   | 141   | 131   | 128   | 128   | 131   | 141   | 138   | 127   | 123   | 118     |
| Ingot.....                                      | 2     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| Total (Table 3, Item 20).....                   | 1,637 | 1,571 | 1,547 | 1,455 | 1,368 | 1,285 | 1,298 | 1,272 | 1,260 | 1,270 | 1,273 | 1,215 | 1,258 | 1,279 | 1,286 | 1,284 | 1,309 | 1,295 | 1,284 | 1,299 | 1,255   |
| Foundries <sup>(a)</sup>                        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| Copper.....                                     | 128   | 132   | 110   | 108   | 107   | 104   | 113   | 113   | 125   | 127   | 115   | 116   | 129   | 119   | 109   | 113   | 113   | 79    | 91    | 90    | r 85    |
| Alloy.....                                      | 35    | 30    | 31    | 33    | 39    | 54    | 53    | 5     | 12    | 4     | 4     | 4     | 4     | 2     | 2     | 2     | 1     | 1     | 1     | 1     | 1       |
| Ingot.....                                      | 109   | 102   | 97    | 90    | 84    | 85    | 83    | 68    | 68    | 65    | 65    | 62    | 65    | 65    | 65    | 65    | 65    | 61.18 | 64    | 61    | r 61    |
| Total (Table 3, Item 23).....                   | 272   | 264   | 238   | 232   | 230   | 242   | 250   | 186   | 204   | 196   | 184   | 183   | 198   | 185   | 175   | 179   | 179   | 141   | 156   | 153   | r 147   |
| Powder Plants <sup>(a)</sup>                    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| Other Industries <sup>(a)</sup>                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| Total (Table 3, Item 23)...                     | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)   | (a)     |
| Misc. and Discrepancies                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| Copper (Table 3, Item 29)...                    | 77    | 70    | 86    | 84    | 74    | 56    | 57    | 67    | 70    | 72    | 77    | 75    | 75    | 71    | 76    | 80    | 82    | 82    | 74    | 63    | r 74    |
| All Industries                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| Copper.....                                     | 3,575 | 3,403 | 3,258 | 3,229 | 3,029 | 2,545 | 2,687 | 2,694 | 2,703 | 2,771 | 2,727 | 2,740 | 2,808 | 2,819 | 2,832 | 2,868 | 2,742 | 2,762 | 2,722 | 2,576 | r 2,621 |
| Alloy.....                                      | 291   | 280   | 274   | 254   | 228   | 233   | 237   | 188   | 193   | 166   | 163   | 146   | 135   | 130   | 130   | 133   | 142   | 140   | 129   | 124   | 119     |
| Ingot (Table 3, Item 10) <sup>(b)</sup>         | 109   | 102   | 97    | 90    | 84    | 85    | 83    | 68    | 68    | 65    | 65    | 62    | 65    | 65    | 65    | 65    | 65    | 61    | 64    | 61    | r 61    |
| NET METAL CONSUMED                              |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |         |
| (Table 3, Item 12).....                         | 3,974 | 3,785 | 3,629 | 3,573 | 3,341 | 2,863 | 3,007 | 2,950 | 2,965 | 3,002 | 2,956 | 2,948 | 3,008 | 3,013 | 3,027 | 3,066 | 2,949 | 2,963 | 2,915 | 2,762 | r 2,801 |

Source: U.S. Department of the Interior, U.S. Geological Survey, National Minerals Information Center

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.

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

| Metal Content, millions of pounds |                                                    |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |           |              |  |
|-----------------------------------|----------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----------|--------------|--|
|                                   |                                                    | 2004         | 2005         | 2006         | 2007         | 2008         | 2009         | 2010         | 2010         | 2011         | 2012         | 2013         | 2014         | 2015         | 2016         | 2017         | 2018         | 2019         | 2020         | 2021         | 2022         | 2023r     | 2024p        |  |
| (1)                               | Bare Wire.....                                     | 260          | 255          | 225          | 200          | 175          | 170          | 165          | 160          | 166          | 167          | 167          | 150          | 170          | 180          | 184          | 190          | 194          | 189          | 195          | 197          | 188       | 189          |  |
| (2)                               | Telecommunications Cable.....                      | 366          | 375          | 359          | 292          | 225          | 177          | 168          | 160          | 163          | 163          | 153          | 155          | 146          | 162          | 171          | 177          | 178          | 165          | 165          | 175          | 167       | 166          |  |
| (3)                               | Electronic Wire and Cable.....                     | 255          | 256          | 265          | 290          | 210          | 155          | 150          | 145          | 148          | 151          | 148          | 147          | 148          | 157          | 149          | 154          | 161          | 170          | 176          | 186          | 178       | 191          |  |
| (4)                               | Building Wire.....                                 | 1,664        | 1,700        | 1,533        | 1,426        | 1,259        | 1,177        | 1,059        | 1,005        | 1,020        | 1,035        | 1,031        | 1,052        | 1,073        | 1,100        | 1,131        | 1,179        | 1,262        | 1,489        | 1,429        | 1,286        |           | 1,261        |  |
| (5)                               | Magnet Wire.....                                   | 570          | 532          | 536          | 493          | 443          | 400          | 380          | 360          | 367          | 380          | 361          | 370          | 384          | 405          | 420          | 421          | 391          | 391          | 391          | 416          | 396       | 408          |  |
| (6)                               | Power Cable.....                                   | 300          | 372          | 315          | 249          | 326          | 352          | 335          | 315          | 326          | 335          | 328          | 328          | 307          | 290          | 294          | 302          | 268          | 276          | 285          | 281          |           | 290          |  |
| (7)                               | Apparatus Wire and Cordage.....                    | 140          | 140          | 89           | 86           | 124          | 102          | 100          | 95           | 97           | 98           | 95           | 96           | 101          | 106          | 112          | 113          | 105          | 109          | 112          | 109          |           | 113          |  |
| (8)                               | Automotive Wire and Cable (except Magnet)          | 410          | 403          | 400          | 398          | 330          | 283          | 406          | 443          | 518          | 540          | 538          | 554          | 576          | 589          | 615          | 599          | 520          | 556          | 590          | 635          |           | 625          |  |
| (9)                               | Other Insulated Wire and Cable.....                | 85           | 93           | 119          | 90           | 54           | 43           | 40           | 38           | 39           | 40           | 38           | 38           | 38           | 39           | 40           | 41           | 40           | 41           | 42           | 41           |           | 46           |  |
| (10)                              | Total Insulated Wire and Cable.....                | 3,790        | 3,871        | 3,616        | 3,324        | 2,972        | 2,690        | 2,638        | 2,561        | 2,678        | 2,742        | 2,694        | 2,741        | 2,791        | 2,852        | 2,951        | 3,003        | 2,926        | 3,212        | 3,237        | 3,106        |           | 3,108        |  |
| (11)                              | <b>Total Wire Mill Products<sup>(a)</sup>.....</b> | <b>4,050</b> | <b>4,126</b> | <b>3,841</b> | <b>3,524</b> | <b>3,147</b> | <b>2,860</b> | <b>2,803</b> | <b>2,721</b> | <b>2,844</b> | <b>2,799</b> | <b>2,844</b> | <b>2,911</b> | <b>2,971</b> | <b>3,036</b> | <b>3,114</b> | <b>3,196</b> | <b>3,114</b> | <b>3,407</b> | <b>3,434</b> | <b>3,295</b> |           | <b>3,297</b> |  |
| (12)                              | Strip, Sheet, Plate and Foil.....                  | 1,068        | 1,035        | 1,067        | 999          | 928.3        | 692          | 794          | 740          | 738          | 816          | 761          | 790          | 788          | 753          | 753          | 676          | 658          | 728          | 722          | 631          |           | 616          |  |
| (13)                              | Mechanical Wire <sup>(a)</sup> .....               | 80           | 75           | 72           | 48           | (b)          | (b)          | (b)          | (b)          | (b)          | (b)          | (b)          | (b)          | (b)          | (b)          | (b)          | (b)          | (b)          | (b)          | (b)          | (b)          |           | (b)          |  |
| (14)                              | Rod and Bar.....                                   | 1,059        | 1,032        | 1,022        | 879          | 793          | 562          | 672          | 675          | 636          | 641          | 702          | 605          | 625          | 639          | 662          | 600          | 562          | 642          | 585          | 548          |           | 566          |  |
| (15)                              | Tube and Pipe <sup>(a)</sup> .....                 | 1,233        | 1,256        | 1,080        | 953          | 812          | 619          | 607          | 608          | 574          | 579          | 567          | 588          | 578          | 568          | 591          | 555          | 545          | 598          | 526          | 416          |           | 423          |  |
| (16)                              | <b>Total Brass Mill Products (page 19).....</b>    | <b>3,439</b> | <b>3,397</b> | <b>3,241</b> | <b>2,879</b> | <b>2,533</b> | <b>1,873</b> | <b>2,073</b> | <b>2,023</b> | <b>1,948</b> | <b>2,035</b> | <b>2,030</b> | <b>1,963</b> | <b>1,991</b> | <b>1,961</b> | <b>2,005</b> | <b>1,831</b> | <b>1,756</b> | <b>1,968</b> | <b>1,832</b> | <b>1,595</b> |           | <b>1,605</b> |  |
| (17)                              | <b>Total Foundry Products.....</b>                 | <b>233</b>   | <b>225</b>   | <b>225</b>   | <b>180</b>   | <b>160</b>   | <b>150</b>   | <b>140</b>   | <b>140</b>   | <b>140</b>   | <b>138</b>   | <b>150</b>   | <b>136</b>   | <b>136</b>   | <b>138</b>   | <b>145</b>   | <b>142</b>   | <b>128</b>   | <b>136</b>   | <b>141</b>   | <b>147</b>   |           | <b>145</b>   |  |
| (18)                              | <b>Total Powder Products.....</b>                  | <b>60</b>    | <b>50</b>    | <b>40</b>    | <b>40</b>    | <b>35</b>    | <b>27</b>    | <b>32</b>    | <b>34</b>    | <b>34</b>    | <b>34</b>    | <b>35</b>    | <b>36</b>    | <b>36</b>    | <b>37</b>    | <b>37</b>    | <b>38</b>    | <b>30</b>    | <b>28</b>    | <b>28</b>    |              | <b>19</b> |              |  |
| (19)                              | <b>Domestic Products - Total.....</b>              | <b>7,769</b> | <b>7,799</b> | <b>7,342</b> | <b>6,643</b> | <b>5,895</b> | <b>4,919</b> | <b>5,058</b> | <b>4,932</b> | <b>4,966</b> | <b>5,118</b> | <b>5,047</b> | <b>5,040</b> | <b>5,134</b> | <b>5,171</b> | <b>5,328</b> | <b>5,207</b> | <b>5,035</b> | <b>5,541</b> | <b>5,434</b> | <b>5,065</b> |           | <b>5,066</b> |  |
| (20)                              | <b>Net Imports of Mill Products (page 20).....</b> | <b>297</b>   | <b>224</b>   | <b>295</b>   | <b>288</b>   | <b>261</b>   | <b>166</b>   | <b>118</b>   | <b>173</b>   | <b>226</b>   | <b>166</b>   | <b>280</b>   | <b>287</b>   | <b>331</b>   | <b>391</b>   | <b>445</b>   | <b>510</b>   | <b>602</b>   | <b>707</b>   | <b>1,095</b> | <b>821</b>   | <i>r</i>  | <b>980</b>   |  |
| (21)                              | <b>Mill Products to Domestic Market*.....</b>      | <b>8,066</b> | <b>8,023</b> | <b>7,637</b> | <b>6,931</b> | <b>6,156</b> | <b>5,085</b> | <b>5,176</b> | <b>5,096</b> | <b>5,191</b> | <b>5,284</b> | <b>5,326</b> | <b>5,327</b> | <b>5,465</b> | <b>5,562</b> | <b>5,773</b> | <b>5,717</b> | <b>5,636</b> | <b>6,249</b> | <b>6,531</b> | <b>5,886</b> | <i>r</i>  | <b>6,046</b> |  |
| (22)                              | Building Construction.....                         | 4,035        | 4,028        | 3,697        | 3,365        | 3,051        | 2,478        | 2,318        | 2,271        | 2,299        | 2,364        | 2,401        | 2,408        | 2,458        | 2,525        | 2,487        | 2,483        | 2,570        | 2,907        | 2,919        | 2,464        |           | 2,536        |  |
| (23)                              | Electrical and Electronic Products.....            | 1,569        | 1,525        | 1,533        | 1,400        | 1,274        | 1,018        | 1,059        | 1,037        | 1,024        | 966          | 976          | 953          | 1,033        | 1,038        | 1,156        | 1,179        | 1,181        | 1,286        | 1,436        | 1,359        | <i>r</i>  | 1,412        |  |
| (24)                              | Industrial Machinery and Equipment.....            | 682          | 701          | 682          | 575          | 494          | 432          | 430          | 437          | 358          | 378          | 383          | 359          | 351          | 352          | 356          | 397          | 377          | 412          | 451          | 420          | <i>r</i>  | 443          |  |
| (25)                              | Transportation Equipment.....                      | 991          | 974          | 947          | 854          | 702          | 621          | 768          | 819          | 915          | 980          | 983          | 987          | 992          | 1,068        | 1,134        | 1,084        | 992          | 1,009        | 1,065        | 1,073        | <i>r</i>  | 1,097        |  |
| (26)                              | Consumer and General Products.....                 | 836          | 794          | 778          | 737          | 634          | 536          | 601          | 592          | 596          | 597          | 584          | 622          | 630          | 580          | 601          | 574          | 589          | 635          | 661          | 570          | <i>r</i>  | 558          |  |

**Table 4, Item 16.**

**Supply of brass mill products in the United States**

| Metal Content, millions of pounds |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                                   | 2004         | 2005         | 2006         | 2007         | 2008         | 2009         | 2010         | 2011         | 2012         | 2013         | 2014         | 2015         | 2016         | 2017         | 2018         | 2019         | 2020         | 2021         | 2022         | 2023r        | 2024p        |
| Strip, Sheet, Plate and Foil      |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| Copper.....                       | 390          | 391          | 394          | 378          | 343          | 224          | 240          | 236          | 234          | 258          | 258          | 287          | 284          | 261          | 255          | 233          | 240          | 245          | 274          | 264          | 269          |
| Alloy.....                        | 677          | 644          | 673          | 621          | 586          | 468          | 554          | 504          | 504          | 558          | 504          | 504          | 504          | 493          | 498          | 443          | 418          | 483          | 448          | 367          | 347          |
| Total.....                        | 1,068        | 1,035        | 1,067        | 999          | 928          | 692          | 794          | 740          | 738          | 816          | 761          | 790          | 788          | 753          | 753          | 676          | 658          | 728          | 722          | 631          | 616          |
| Mechanical Wire                   |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| Copper.....                       | 19           | 18           | 14           | 11           | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          |
| Alloy.....                        | 61           | 57           | 58           | 37           | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          |
| Total.....                        | 80           | 75           | 72           | 48           | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          | (a)          |
| Rod and Bar <sup>(a)</sup>        |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| Copper.....                       | 205          | 212          | 211          | 184          | 173          | 133          | 158          | 167          | 151          | 163          | 180          | 143          | 159          | 168          | 183          | 171          | 168          | 176          | 170          | 173          | 199          |
| Alloy.....                        | 854          | 820          | 812          | 695          | 620          | 428          | 515          | 508          | 485          | 478          | 522          | 462          | 466          | 471          | 479          | 430          | 394          | 466          | 415          | 376          | 367          |
| Total.....                        | 1,059        | 1,032        | 1,022        | 879          | 793          | 562          | 672          | 675          | 636          | 641          | 702          | 605          | 625          | 639          | 662          | 600          | 562          | 642          | 585          | 548          | 566          |
| Tube and Pipe <sup>(b)</sup>      |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| Copper.....                       | 1,218        | 1,243        | 1,066        | 940          | 800          | 610          | 596          | 597          | 565          | 570          | 559          | 562          | 572          | 562          | 584          | 549          | 539          | 592          | 519          | 411          | 417          |
| Alloy.....                        | 15           | 13           | 14           | 13           | 12           | 9            | 11           | 11           | 9            | 8            | 8            | 7            | 6            | 6            | 7            | 6            | 6            | 6            | 7            | 5            | 6            |
| Total.....                        | 1,233        | 1,256        | 1,080        | 953          | 812          | 619          | 607          | 608          | 574          | 579          | 567          | 568          | 578          | 568          | 591          | 555          | 545          | 598          | 526          | 416          | 423          |
| All Mill Products                 |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |              |
| Copper.....                       | 1,832        | 1,863        | 1,685        | 1,512        | 1,315        | 968          | 993          | 1,000        | 951          | 991          | 997          | 991          | 1,015        | 991          | 1,021        | 952          | 947          | 1,014        | 962          | 847          | 885          |
| Alloy.....                        | 1,607        | 1,534        | 1,556        | 1,367        | 1,218        | 906          | 1,080        | 1,023        | 997          | 1,044        | 1,033        | 973          | 976          | 970          | 984          | 879          | 817          | 955          | 870          | 748          | 720          |
| <b>TOTAL BRASS MILL PRODUCTS</b>  | <b>3,439</b> | <b>3,397</b> | <b>3,241</b> | <b>2,879</b> | <b>2,533</b> | <b>1,873</b> | <b>2,073</b> | <b>2,023</b> | <b>1,948</b> | <b>2,035</b> | <b>2,030</b> | <b>1,963</b> | <b>1,991</b> | <b>1,961</b> | <b>2,005</b> | <b>1,831</b> | <b>1,765</b> | <b>1,968</b> | <b>1,832</b> | <b>1,595</b> | <b>1,605</b> |

Sources: Copper Development Association

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

(b) - Commercial tube and plumbing tube data combined.

Numbers may not sum due to rounding.

**Table 4, Item 16a.**

**Supply of brass mill products in selected countries**

| Metal Content, millions of pounds |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                   | 2004  | 2005  | 2006  | 2007  | 2008  | 2009  | 2010  | 2011  | 2012  | 2013  | 2014  | 2015  | 2016  | 2017  | 2018  | 2019  | 2020  | 2021  | 2022  | 2023r | 2024p |
| Benelux.....                      | 266   | 266   | 266   | 277   | 278   | 263   | 273   | 276   | 281   | 276   | 274   | 272   | 263   | 290   | 279   | 238   | 214   | 273   | 282   | 285   | 291   |
| France.....                       | 227   | 201   | 498   | 421   | 382   | 254   | 274   | 251   | 251   | 261   | 263   | 266   | 270   | 282   | 287   | 291   | 268   | 287   | 294   | 296   | 300   |
| Germany.....                      | 2,561 | 2,510 | 2,585 | 4,096 | 3,909 | 2,982 | 3,650 | 3,597 | 3,306 | 3,391 | 3,526 | 3,590 | 3,753 | 3,765 | 3,640 | 2,417 | 1,526 | 1,566 | 1,594 | 1,591 | 1,587 |
| Italy.....                        | 1,682 | 1,369 | 2,020 | 1,836 | 1,584 | 862   | 1,137 | 1,106 | 1,124 | 1,378 | 1,368 | 1,381 | 1,393 | 1,478 | 1,567 | 1,499 | 1,451 | 1,800 | 1,867 | 1,884 | 1,897 |
| Japan.....                        | 2,290 | 2,075 | 2,296 | 2,200 | 1,497 | 1,436 | 1,756 | 1,721 | 1,686 | 1,701 | 1,792 | 1,681 | 1,649 | 1,598 | 1,728 | 1,597 | 1,478 | 1,637 | 1,653 | 1,685 | 1,686 |
| Mexico.....                       | 319   | 276   | 229   | 258   | 232   | 302   | 251   | 327   | 277   | 259   | 262   | 266   | 283   | 286   | 280   | 297   | 273   | 253   | 261   | 269   | 273   |
| Scandinavia.....                  | 469   | 464   | 478   | 381   | 437   | 349   | 383   | 393   | 391   | 381   | 408   | 393   | 395   | 418   | 438   | 386   | 439   | 413   | 425   | 426   | 425   |
| Spain.....                        | 166   | 194   | 185   | 194   | 198   | 204   | 225   | 215   | 258   | 178   | 217   | 216   | 216   | 212   | 219   | 195   | 195   | 176   | 158   | 1     | 1     |
| Turkey.....                       | 88    | 144   | 160   | 141   | 121   | 46    | 65    | 65    | 66    | 70    | 70    | 70    | 70    | 65    | 65    | 65    | 65    | 69    | 162   | 167   |       |
| United Kingdom.....               | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    | NA    | 72    | 74    |
| United States.....                | 3,439 | 3,397 | 3,241 | 2,896 | 2,533 | 1,873 | 2,073 | 2,023 | 1,948 | 2,035 | 2,030 | 1,963 | 1,991 | 1,961 | 2,005 | 1,831 | 1,765 | 1,968 | 1,832 | 1,595 | 1,605 |

Sources: International Copper Study Group

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**

| Metal Content, millions of pounds                  |              |              |              |              |              |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              |            |              |  |  |
|----------------------------------------------------|--------------|--------------|--------------|--------------|--------------|------------|------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|--------------|--|--|
|                                                    | 2004         | 2005         | 2006         | 2007         | 2008         | 2009       | 2010       | 2011       | 2012         | 2013         | 2014         | 2015         | 2016         | 2017         | 2018         | 2019         | 2020         | 2021         | 2022         | 2023r        | 2024p      |              |  |  |
| Imports of:                                        |              |              |              |              |              |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              |            |              |  |  |
| Bare Wire (including Stranded).....                | 42           | 56           | 39           | 38           | 43           | 29         | 36         | 40         | 44           | 55           | 50           | 30           | 31           | 27           | 32           | 47           | 48           | 49           | 61           | 73           | r          | 64           |  |  |
| Insulated Wire and Cable.....                      | 334          | 405          | 418          | 417          | 362          | 301        | 334        | 380        | 421          | 432          | 478          | 487          | 487          | 542          | 550          | 540          | 566          | 639          | 874          | 757          | r          | 746          |  |  |
| <b>Total Wire Mill Products<sup>(1)</sup>.....</b> | <b>376</b>   | <b>461</b>   | <b>457</b>   | <b>455</b>   | <b>405</b>   | <b>330</b> | <b>370</b> | <b>420</b> | <b>464</b>   | <b>487</b>   | <b>529</b>   | <b>517</b>   | <b>517</b>   | <b>569</b>   | <b>582</b>   | <b>587</b>   | <b>614</b>   | <b>687</b>   | <b>935</b>   | <b>831</b>   | <b>r</b>   | <b>810</b>   |  |  |
| Copper-Strip, Sheet, Plate and Foil.....           | 145          | 117          | 126          | 89           | 91           | 66         | 88         | 90         | 88           | 70           | 77           | 74           | 72           | 82           | 96           | 101          | 85           | 106          | 140          | 138          | r          | 162          |  |  |
| Rod and Bar.....                                   | 54           | 53           | 54           | 69           | 52           | 33         | 46         | 51         | 50           | 51           | 54           | 43           | 35           | 38           | 41           | 37           | 32           | 40           | 53           | 42           | r          | 61           |  |  |
| Tube and Pipe.....                                 | 202          | 202          | 281          | 256          | 260          | 198        | 167        | 136        | 135          | 143          | 161          | 148          | 150          | 155          | 159          | 161          | 184          | 190          | 246          | 175          | r          | 226          |  |  |
| Alloy-Strip, Sheet, Plate and Foil.....            | 119          | 95           | 92           | 74           | 61           | 43         | 65         | 61         | 65           | 75           | 81           | 81           | 83           | 88           | 96           | 76           | 74           | 111          | 136          | 84           | r          | 91           |  |  |
| Mechanical Wire.....                               | 41           | 35           | 36           | 33           | 36           | 22         | 35         | 33         | 41           | 37           | 39           | 43           | 37           | 40           | 41           | 37           | 30           | 39           | 40           | 31           | r          | 30           |  |  |
| Rod and Bar.....                                   | 85           | 65           | 68           | 57           | 70           | 43         | 70         | 79         | 84           | 86           | 83           | 73           | 56           | 69           | 69           | 63           | 52           | 63           | 66           | 61           | r          | 57           |  |  |
| Tube and Pipe.....                                 | 131          | 120          | 123          | 108          | 104          | 75         | 92         | 101        | 93           | 94           | 103          | 98           | 99           | 98           | 113          | 108          | 98           | 118          | 129          | 98           | r          | 108          |  |  |
| <b>Total Brass Mill Products.....</b>              | <b>777</b>   | <b>687</b>   | <b>779</b>   | <b>688</b>   | <b>674</b>   | <b>480</b> | <b>564</b> | <b>551</b> | <b>556</b>   | <b>555</b>   | <b>599</b>   | <b>560</b>   | <b>532</b>   | <b>570</b>   | <b>616</b>   | <b>583</b>   | <b>556</b>   | <b>666</b>   | <b>809</b>   | <b>630</b>   | <b>r</b>   | <b>735</b>   |  |  |
| <b>Total Powder Products.....</b>                  | <b>6</b>     | <b>8</b>     | <b>10</b>    | <b>10</b>    | <b>8</b>     | <b>7</b>   | <b>9</b>   | <b>9</b>   | <b>8</b>     | <b>8</b>     | <b>9</b>     | <b>9</b>     | <b>8</b>     | <b>8</b>     | <b>8</b>     | <b>7</b>     | <b>5</b>     | <b>6</b>     | <b>5</b>     | <b>4</b>     | <b>r</b>   | <b>6</b>     |  |  |
| <b>TOTAL IMPORTS.....</b>                          | <b>1,160</b> | <b>1,156</b> | <b>1,246</b> | <b>1,153</b> | <b>1,086</b> | <b>816</b> | <b>943</b> | <b>980</b> | <b>1,028</b> | <b>1,050</b> | <b>1,136</b> | <b>1,085</b> | <b>1,058</b> | <b>1,148</b> | <b>1,206</b> | <b>1,177</b> | <b>1,175</b> | <b>1,359</b> | <b>1,749</b> | <b>1,465</b> | <b>r</b>   | <b>1,552</b> |  |  |
| Exports of: <sup>(1)</sup>                         |              |              |              |              |              |            |            |            |              |              |              |              |              |              |              |              |              |              |              |              |            |              |  |  |
| Bare Wire (including Stranded).....                | 99           | 107          | 102          | 103          | 88           | 66         | 88         | 90         | 113          | 157          | 135          | 114          | 97           | 94           | 105          | 89           | 67           | 76           | 73           | 88           | r          | 83           |  |  |
| Insulated Wire and Cable.....                      | 386          | 401          | 432          | 382          | 400          | 336        | 458        | 444        | 421          | 434          | 432          | 408          | 355          | 373          | 373          | 331          | 276          | 310          | 319          | 307          | r          | 255          |  |  |
| <b>Total Wire Mill Products<sup>(1)</sup>.....</b> | <b>485</b>   | <b>508</b>   | <b>534</b>   | <b>485</b>   | <b>488</b>   | <b>402</b> | <b>546</b> | <b>534</b> | <b>591</b>   | <b>567</b>   | <b>523</b>   | <b>452</b>   | <b>466</b>   | <b>477</b>   | <b>420</b>   | <b>344</b>   | <b>386</b>   | <b>393</b>   | <b>395</b>   | <b>r</b>     | <b>338</b> |              |  |  |
| Copper-Strip, Sheet, Plate and Foil.....           | 38           | 34           | 36           | 32           | 32           | 25         | 37         | 37         | 37           | 36           | 38           | 36           | 38           | 41           | 41           | 36           | 35           | 45           | 45           | 45           | r          | 48           |  |  |
| Rod and Bar.....                                   | 21           | 33           | 37           | 40           | 44           | 26         | 23         | 31         | 32           | 29           | 26           | 26           | 28           | 27           | 22           | 19           | 21           | 22           | 21           | 21           | r          | 23           |  |  |
| Tube and Pipe.....                                 | 74           | 75           | 76           | 77           | 48           | 51         | 40         | 48         | 41           | 41           | 35           | 32           | 31           | 32           | 41           | 35           | 34           | 44           | 50           | 44           | r          | 47           |  |  |
| Alloy-Strip, Sheet, Plate and Foil.....            | 72           | 96           | 81           | 72           | 71           | 58         | 65         | 56         | 62           | 75           | 75           | 59           | 60           | 68           | 59           | 40           | 31           | 36           | 44           | 37           | r          | 38           |  |  |
| Mechanical Wire.....                               | 20           | 21           | 29           | 34           | 33           | 23         | 27         | 25         | 24           | 24           | 21           | 25           | 23           | 21           | 16           | 13           | 9            | 14           | 12           | 12           | r          | 11           |  |  |
| Rod and Bar.....                                   | 88           | 95           | 95           | 64           | 50           | 22         | 27         | 25         | 23           | 39           | 41           | 43           | 44           | 50           | 52           | 51           | 49           | 60           | 51           | 40           | r          | 33           |  |  |
| Tube and Pipe.....                                 | 43           | 44           | 39           | 35           | 40           | 29         | 36         | 33         | 31           | 32           | 35           | 37           | 36           | 35           | 37           | 40           | 39           | 29           | 23           | 27           | r          | 23           |  |  |
| <b>Total Brass Mill Products.....</b>              | <b>356</b>   | <b>397</b>   | <b>391</b>   | <b>355</b>   | <b>318</b>   | <b>233</b> | <b>255</b> | <b>255</b> | <b>249</b>   | <b>275</b>   | <b>272</b>   | <b>258</b>   | <b>259</b>   | <b>274</b>   | <b>267</b>   | <b>234</b>   | <b>218</b>   | <b>251</b>   | <b>246</b>   | <b>226</b>   | <b>r</b>   | <b>223</b>   |  |  |
| <b>Total Powder Products.....</b>                  | <b>21</b>    | <b>27</b>    | <b>26</b>    | <b>25</b>    | <b>19</b>    | <b>15</b>  | <b>24</b>  | <b>18</b>  | <b>18</b>    | <b>18</b>    | <b>18</b>    | <b>18</b>    | <b>16</b>    | <b>17</b>    | <b>16</b>    | <b>13</b>    | <b>12</b>    | <b>14</b>    | <b>15</b>    | <b>23</b>    | <b>r</b>   | <b>11</b>    |  |  |
| <b>TOTAL EXPORTS.....</b>                          | <b>862</b>   | <b>932</b>   | <b>951</b>   | <b>865</b>   | <b>825</b>   | <b>650</b> | <b>825</b> | <b>807</b> | <b>802</b>   | <b>884</b>   | <b>857</b>   | <b>798</b>   | <b>727</b>   | <b>757</b>   | <b>761</b>   | <b>667</b>   | <b>574</b>   | <b>651</b>   | <b>654</b>   | <b>644</b>   | <b>r</b>   | <b>572</b>   |  |  |
| <b>NET IMPORTS (Table 4, Item 20)</b>              | <b>297</b>   | <b>224</b>   | <b>295</b>   | <b>288</b>   | <b>261</b>   | <b>166</b> | <b>118</b> | <b>173</b> | <b>226</b>   | <b>166</b>   | <b>280</b>   | <b>287</b>   | <b>331</b>   | <b>391</b>   | <b>445</b>   | <b>510</b>   | <b>602</b>   | <b>707</b>   | <b>1,095</b> | <b>821</b>   | <b>r</b>   | <b>980</b>   |  |  |

Source: U.S. International Trade Commission

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.

Note: Changes to the trade dataset are made from time to time as the USITC adds, collapses, or sometimes stops collecting data for certain Harmonized Tariff codes.

Numbers may not sum due to rounding.



**Copper Development  
Association Inc.**

---

**Copper Development Association Inc.  
1600 International Drive, Suite 600  
McLean, Virginia 22102  
[www.copper.org](http://www.copper.org)**