

16 DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES

General - The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in **2**. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies that are not listed, describe and report them in the "Cost of all other materials . . ." at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . ." Census material code 009700 99 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

Valuation of Materials Consumed - The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amount actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

Contract Work - Include all materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in **15**, line A5, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.

Toll Operations - Tolling must be performed for customers outside your own company. If the work is done for other establishments within your company, the value of the materials consumed in the tolling operation should be reported in your cost of materials data and the processed value of the products should be reported as a product shipment and a corresponding interplant transfer.

Resales - Cost for products bought and sold or transferred from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in **15**, line A2, not in **16**. The value of these products shipped by this establishment should be reported in **2** under Census product code 000999 8900 6, "Resales."

Lines 4 through 6 - Include scrap generated in other establishments of your company and transferred to this plant, as well as scrap purchased from outside sources. Exclude home scrap.

| Line No. | Materials, parts, and supplies | Census material code | Unit of measure for quantities | Consumption of purchased materials and of materials received from other establishments of your company | | | | |
|----------|---|----------------------|--------------------------------|--|--|------|-------|--|
| | | | | Quantity | Cost, including delivery cost (freight-in) | | | |
| | | | | | \$ Bil. | Mil. | Thou. | |
| 0634 | | 0630 | 0636 | 0632 | 0631 | | | |
| 1 | Shapes and forms (excluding castings, forgings, and fabricated metal products) Copper and copper-base alloy Refined unalloyed copper (cathodes, ingots, cakes, slabs, etc.) and blister or anode copper | 331411 03 3 | ↑ short tons ↓ | | | | | |
| 2 | All other copper and copper-base alloy shapes and forms | 331000 15 8 | | | | | | |
| 3 | All other nonferrous shapes and forms | 331419 29 1 | | | | | | |

CONTINUE WITH **16** ON PAGE 9

33116088

If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

16 DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES - Continued

| Line No. | Materials, parts, and supplies | Census material code | Unit of measure for quantities | Consumption of purchased materials and of materials received from other establishments of your company | | | | |
|----------|---|----------------------|--------------------------------|--|--|------|-------|--|
| | | | | Quantity | Cost, including delivery cost (freight-in) | | | |
| | | | | | \$ Bil. | Mil. | Thou. | |
| 0634 | | 0630 | 0636 | 0632 | 0631 | | | |
| 4 | Scrap Copper and copper-base alloy scrap (excluding home scrap) | 001900 24 0 | ↑ short tons ↓ | | | | | |
| 5 | Zinc and zinc-base alloy (including drosses and skimmings) | 001900 26 5 | | | | | | |
| 6 | All other nonferrous metal and metal-base alloy scrap | 001900 52 1 | | | | | | |
| 7 | Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.) ↴ | 009700 99 8 | | | | | | |
| 8 | TOTAL (Should equal total reported in 16 , line A1) | 771000 00 7 | | | | | | |

17 Not Applicable.

18 TYPE OF OPERATION
(Mark "X" the ONE box that best describes the operation performed at this establishment during 2002.)

Method of operation of this establishment during 2002

- 0620 392 Smelting or refining copper from ore or smelter products
- 394 Smelting or refining lead from ore or smelter products
- 396 Smelting or refining zinc from ore
- 398 Aluminum reduction
- 400 Smelting or refining other nonferrous metals from ore or smelter products
- 402 Smelting or refining nonferrous metals from scrap or dross
- 406 Producing aluminum ingots or billets in an aluminum rolling mill
- 530 Performing other operations (Specify kind.) ↴

0621

19-21 Not Applicable.

33116096

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE

General - The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of **2**. PLEASE DO NOT COMBINE PRODUCT LINES.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

Quantity Produced For All Purposes - Report the total quantity of each product produced. If this establishment performs both smelting and refining operations, production should be reported separately for each stage. Also, within each stage, production should be reported only in the form in which the metal passes from the smelter stage to the refined stage, or is shipped from this plant, or is consumed in this plant in the manufacture of products beyond the refined metal stage. Do not report production of intermediate stages through which the metal may be processed.

Products Shipped and Other Receipts - Report the quantity and value of each product made and physically shipped during 2002 from this establishment; include products shipped to other plants, sales branches, retail stores, or warehouses of your company and on consignment. Deduct returned goods. Also report the value of services performed at this establishment.

Contract Work - Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS.

For all other products, report only the amount that you received for "commission or contract receipts" on line 19, under Census code 000930 0014 9. Do not report on the specific lines these products.

Toll Operations - Tolling must be performed for customers outside your own company. If the work is done for other establishments within your company; the value of the materials consumed in the tolling operation should be reported in your cost of materials data and the processed value of the product should be reported as a product shipment and a corresponding interplant transfer.

Resales - Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census code 000999 8900 6, "Resales."

| Line No. | Products and services | Census product code | Unit of measure for quantities | Quantity produced for all purposes | Products shipped and other receipts | | | |
|----------|--|---------------------|--------------------------------|------------------------------------|-------------------------------------|---------------------|------|-------|
| | | | | | Quantity | Value, f.o.b. plant | | |
| | | | | | | \$ Bil. | Mil. | Thou. |
| 0734 | | 0730 | 0736 | 0733 | 0732 | 0731 | | |
| 1 | Secondary unalloyed copper cathode, wire bar, ingot, and ingot bar, copper and copper-base alloy powders, paste, and flakes (<i>Report copper content only.</i>) | 331423 0106 9 | 1000 lb | | | | | |
| 2 | Secondary smelting and refining of copper, including cathode, wire bar, ingot and ingot bar, cake and slab | | ↑ short tons ↓ | | | | | |
| 3 | Unalloyed | 331423 0206 7 | | | | | | |
| 3 | Alloyed, copper-base | 331423 0311 5 | | | | | | |
| 4 | Metal powders, paste, and flakes Secondary nickel-cobalt-base superalloy metal powders, paste, and flakes | 331492 1101 4 | ↑ 1000 lb ↓ | | | | | |
| 5 | Other nonferrous metal powders, paste, and flakes (<i>Specify kind.</i>) ↘ | 331492 1431 5 | | | | | | |

33116104

CONTINUE WITH **22** ON PAGE 11

If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

| Line No. | Products and services | Census product code | Unit of measure for quantities | Quantity produced for all purposes | Products shipped and other receipts | | | |
|----------|---|---------------------|--------------------------------|------------------------------------|-------------------------------------|---------------------|------|-------|
| | | | | | Quantity | Value, f.o.b. plant | | |
| | | | | | | \$ Bil. | Mil. | Thou. |
| 0734 | | 0730 | 0736 | 0733 | 0732 | 0731 | | |
| 6 | Lead Secondary lead- and tin-base alloy antimonial lead and babbitt metal | 331492 3206 9 | ↑ short tons ↓ | | | | | |
| 7 | Secondary lead- and tin-base alloy solder | 331492 3216 8 | | | | | | |
| 8 | Other secondary lead- and tin-base alloys, including type metal (Specify kind.) ↴ | 331492 3221 8 | | | | | | |
| 9 | Secondary zinc, including all ASTM specification zinc | 331492 7101 8 | | | | | | |
| 10 | Secondary unalloyed tin | 331492 A111 3 | | | | | | |
| 11 | Other secondary nonferrous metals and their alloys (including cadmium, antimony, cobalt, titanium sponge, etc.) (Specify kind.) ↴ | 331492 A116 2 | | | | | | |
| 12 | All other products made in this establishment - Specify and report each product with sales value of \$50,000 or more that cannot be assigned to one of the "listed products and services". For all remaining products, write "Other" and report a single total value. | 18 | | | | | | |
| 13 | | 26 | | | | | | |
| 14 | | 34 | | | | | | |
| 15 | | 42 | | | | | | |
| 16 | | 59 | | | | | | |
| 17 | | 67 | | | | | | |

CONTINUE WITH 22 ON PAGE 12

33116112

22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

| Line No. | Products and services | Census product code | Unit of measure for quantities | Quantity produced for all purposes | Products shipped and other receipts | | | |
|-----------|--|---------------------|--------------------------------|------------------------------------|-------------------------------------|---------------------|------|-------|
| | | | | | Quantity | Value, f.o.b. plant | | |
| | | | | | | \$ Bil. | Mil. | Thou. |
| 0734 | | 0730 | 0736 | 0733 | 0732 | 0731 | | |
| 18 | Contract work Receipts for smelting and refining materials owned by others on a toll basis (<i>Report the quantity of production of these products in the "Quantity produced for all purposes" column, where appropriate, on lines 1-17 above.</i>) | 000930 0085 9 | | | | | | |
| 19 | All other receipts for work done for others on their own materials. (<i>Specify products worked on and kind of work.</i>) ↴ | 000930 0014 9 | | | | | | |
| 20 | Miscellaneous receipts (including receipts for repair work, scrap, refuse, etc.) | 000999 8000 5 | | | | | | |
| 21 | Resales - Sales of products bought and sold without further manufacture, processing, or assembly (The cost of such items should be reported in 15 , line A2.) | 000999 8900 6 | | | | | | |
| 22 | TOTAL (<i>Should equal 4, line A</i>) . . . | 770000 0000 8 | | | | | | |

23-27 Not Applicable.



33116120

If not shown, please enter your 11-digit Census File Number (CFN) from the mailing address.

28 ESTABLISHMENT ACTIVITIES

A. Indicate activities that were performed by this establishment or were performed for this establishment by another company during 2002.
(Mark "X" ALL that apply.)

| This activity was performed - | | | |
|---|--|-------------------------------|-------------------------------|
| By this establishment | By another establishment of this company | By another company | Not at all |
| 0921 <input type="checkbox"/> | 8071 <input type="checkbox"/> | 0941 <input type="checkbox"/> | 0961 <input type="checkbox"/> |
| 1. Product design/engineering | | | |
| 2. Order fulfillment | | | |
| 0923 <input type="checkbox"/> | 8072 <input type="checkbox"/> | 0943 <input type="checkbox"/> | 0963 <input type="checkbox"/> |
| a. Bundling or kitting (combining multiple items into a prepackaged product) | | | |
| 0924 <input type="checkbox"/> | 8073 <input type="checkbox"/> | 0944 <input type="checkbox"/> | 0964 <input type="checkbox"/> |
| b. Pick and pack (taking goods from inventory and packaging them to fill orders). | | | |
| 0925 <input type="checkbox"/> | 8074 <input type="checkbox"/> | 0945 <input type="checkbox"/> | 0965 <input type="checkbox"/> |
| c. Warehousing of finished products | | | |
| 0926 <input type="checkbox"/> | 8075 <input type="checkbox"/> | 0946 <input type="checkbox"/> | 0966 <input type="checkbox"/> |
| d. Breaking bulk (reducing large shipments into smaller portions for customers) | | | |
| 0927 <input type="checkbox"/> | 8076 <input type="checkbox"/> | 0947 <input type="checkbox"/> | 0967 <input type="checkbox"/> |
| e. Local delivery (within a city, town, or other local area, including adjoining towns and suburban areas) | | | |
| 0928 <input type="checkbox"/> | 8077 <input type="checkbox"/> | 0948 <input type="checkbox"/> | 0968 <input type="checkbox"/> |
| f. Long distance delivery (beyond local areas and commercial zones) | | | |
| 0932 <input type="checkbox"/> | 8078 <input type="checkbox"/> | 0952 <input type="checkbox"/> | 0972 <input type="checkbox"/> |
| g. Processing of returned merchandise | | | |

B. During 2002 did this establishment:

- 1. Manage inventory owned by this establishment AND held at this location? 0936 Yes 0937 No
- 2. Manage inventory owned by this establishment BUT held at a customer's location?. 0956 Yes 0957 No
- 3. Manage inventory owned by another company BUT held at this location? 0976 Yes 0977 No
- 4. Manage inventory owned by another company AND held somewhere other than at this location?. 0994 Yes 0995 No
- 5. Contract with another firm for any of your production using materials owned by this location? 8041 Yes 8042 No
- 6. Send any partially completed products to a foreign facility for processing that were then returned to this establishment for completion? 8044 Yes 8045 No
- 7. Manufacture products for a government to their specifications? 8047 Yes 8048 No
- 8. Manufacture products for another business to their specifications? 8016 Yes 8017 No
- 9. Manufacture products for a final retail customer to their specifications? 8060 Yes 8062 No



33116138

29 OPERATIONAL STATUS

Activity that best describes this establishment's status at the end of 2002
(Mark "X" only ONE box.)

| 0011 <input type="checkbox"/> In operation | 0013 <input type="checkbox"/> Temporarily or seasonally inactive | | | | | | | |
|---|--|---|-------|-----|------|--|--|--|
| 0012 <input type="checkbox"/> Under construction, development, or exploration | 0014 <input type="checkbox"/> Ceased operation - Give date at right → | 0018 <table border="1"> <tr> <th>Month</th> <th>Day</th> <th>Year</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> | Month | Day | Year | | | |
| Month | Day | Year | | | | | | |
| | | | | | | | | |
| | 0015 <input type="checkbox"/> Sold or leased to another operator - Give date at right AND enter new name and mailing address below ↴ | → | | | | | | |

| | | | |
|--|-------------------------------------|---------------|---|
| 0060 Name of new owner or operator | 0061 Employer Identification Number | | |
| | Enter EIN of new owner (9 digits) → | | - |
| 0062 Mailing address (number and street, P.O. Box, etc.) | | | |
| | | | |
| 0063 City, town, village, etc. | 0064 State | 0065 ZIP Code | |
| | | | - |

Remarks (Please use this space for any explanations that may be essential in understanding your reported data.)

30 CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions.

| | | | | | | | | |
|--|--|--------------|--------|------------|------------------------|-------------|------|------|
| Is the time period covered by this report a calendar year? | | | | | | | | |
| 0078 <input type="checkbox"/> Yes | 0079 <input type="checkbox"/> No - Enter time period covered → | FROM 0070 | Month | Year | TO 0071 | Month | Year | |
| 0072 Name of person to contact regarding this report | | | | 0073 Title | | | | |
| | | | | | | | | |
| Telephone 0074 | | Area code | Number | | Extension | Fax 0075 | | |
| | | | - | | | - | | |
| 0076 Internet e-mail address | | | | | Date completed 0069 | Month | Day | Year |
| | | | | | | | | |

Thank you for completing your 2002 Economic Census form.
PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.

33116146