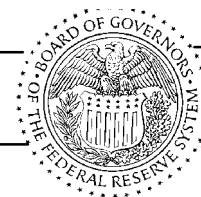


# FEDERAL RESERVE statistical release



**G.17 (419) Supplemental Tables**

**For release at 9:15 a.m. (EDT)  
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## **INDUSTRIAL PRODUCTION AND CAPACITY UTILIZATION**

The attached tables contain detail on industrial production, capacity, and utilization that are not contained in the G.17 release. Historical data for these series are available on the Board's website ([www.federalreserve.gov/releases/g17/download.htm](http://www.federalreserve.gov/releases/g17/download.htm)).

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Table 1D: NAICS 334-339, 1133, 5111, and Stage-of-process Groups

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Table 2: Capacity Utilization: Manufacturing, Mining, and Utilities

Table 3: Industrial Capacity: Manufacturing, Mining, and Utilities

**Table 1A**  
**INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES**

| Item                                                            | NAICS       | 2017<br>IP<br>Proportion <sup>1</sup> | Index, 2012 = 100         |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |
|-----------------------------------------------------------------|-------------|---------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
|                                                                 |             |                                       | Seasonally adjusted       |                           |                           |                           |                           |                           | Not seasonally adjusted   |                           |                           |                           |                           |                           |
|                                                                 |             |                                       | 2017<br>Nov. <sup>r</sup> | 2017<br>Dec. <sup>r</sup> | 2018<br>Jan. <sup>r</sup> | 2018<br>Feb. <sup>r</sup> | 2018<br>Mar. <sup>r</sup> | 2018<br>Apr. <sup>p</sup> | 2017<br>Nov. <sup>r</sup> | 2017<br>Dec. <sup>r</sup> | 2018<br>Jan. <sup>r</sup> | 2018<br>Feb. <sup>r</sup> | 2018<br>Mar. <sup>r</sup> | 2018<br>Apr. <sup>p</sup> |
| <b>Oil and gas extraction</b>                                   | <b>211</b>  | 10.25                                 | 142.0                     | 143.7                     | 143.1                     | 145.3                     | 146.7                     | 148.1                     | 143.6                     | 143.3                     | 142.1                     | 145.7                     | 147.4                     | 148.9                     |
| Crude petroleum and natural gas extraction                      | 211111      | 9.70                                  | 141.1                     | 142.8                     | 142.1                     | 144.2                     | 145.7                     | 147.4                     | 142.6                     | 142.6                     | 141.5                     | 144.9                     | 146.5                     | 148.1                     |
| Crude oil                                                       | 211111pt.   | 5.91                                  | 153.2                     | 153.8                     | 153.7                     | 156.6                     | 158.7                     | 161.3                     | 155.0                     | 153.8                     | 153.5                     | 157.5                     | 160.0                     | 162.4                     |
| Natural gas                                                     | 211111pt.   | 3.79                                  | 119.5                     | 122.2                     | 121.0                     | 121.9                     |                           |                           | 120.5                     | 121.7                     | 119.8                     | 122.3                     |                           |                           |
| Natural gas liquid extraction                                   | 211112      | .56                                   | 160.5                     | 162.4                     | 162.8                     | 168.4                     | 166.3                     | 163.3                     | 163.8                     | 158.0                     | 153.7                     | 162.1                     | 166.5                     | 165.6                     |
| <b>Mining (except oil and gas)</b>                              | <b>212</b>  | 2.24                                  | 92.0                      | 93.9                      | 88.7                      | 93.6                      | 92.4                      | 92.3                      | 93.8                      | 87.9                      | 79.3                      | 83.0                      | 85.5                      | 89.6                      |
| Coal mining                                                     | 2121        | .77                                   | 71.1                      | 76.5                      | 70.3                      | 77.8                      | 78.0                      |                           | 73.8                      | 73.0                      | 71.1                      | 78.0                      | 76.8                      |                           |
| Metal ore mining                                                | 2122        | .61                                   | 99.0                      | 95.0                      | 94.0                      | 91.7                      | 89.9                      | 92.2                      | 100.3                     | 96.3                      | 90.9                      | 91.2                      | 89.5                      | 90.7                      |
| Iron ore mining                                                 | 21221       | .05                                   | 98.1                      | 102.3                     | 88.8                      | 99.3                      |                           |                           | 105.9                     | 101.5                     | 83.2                      | 99.4                      |                           |                           |
| Gold ore and silver ore mining                                  | 21222       | .20                                   | 98.7                      | 94.1                      | 97.9                      | 89.6                      | 94.5                      | 94.5                      | 100.1                     | 97.0                      | 90.2                      | 88.4                      | 91.6                      | 89.1                      |
| Copper, nickel, lead, and zinc mining                           | 21223       | .30                                   | 109.3                     | 102.2                     | 97.4                      | 95.3                      | 90.4                      | 94.3                      | 109.7                     | 102.8                     | 97.6                      | 95.7                      | 91.8                      | 95.7                      |
| Nonmetallic mineral mining and quarrying                        | 2123        | .87                                   | 116.9                     | 119.0                     | 111.5                     | 119.0                     | 116.3                     | 116.7                     | 117.6                     | 102.9                     | 82.5                      | 84.7                      | 95.9                      | 114.9                     |
| <b>Support activities for mining</b>                            | <b>213</b>  | 1.62                                  | 56.3                      | 55.7                      | 56.3                      | 60.7                      | 62.4                      | 64.2                      | 58.0                      | 57.7                      | 57.7                      | 59.8                      | 60.5                      | 62.0                      |
| Drilling oil and gas wells                                      | 213111      | .52                                   | 64.2                      | 64.8                      | 65.8                      | 70.3                      | 73.1                      | 75.3                      | 66.4                      | 67.4                      | 67.7                      | 69.9                      | 70.6                      | 72.8                      |
| <b>Electric power generation, transmission and distribution</b> | <b>2211</b> | 9.00                                  | 102.2                     | 103.9                     | 107.5                     | 98.1                      | 102.5                     | 103.0                     | 91.9                      | 102.0                     | 111.9                     | 97.3                      | 95.5                      | 88.8                      |
| Electric power generation                                       | 22111       | 4.58                                  | 100.3                     | 103.1                     | 105.1                     | 96.9                      | 101.0                     | 101.5                     | 91.5                      | 100.6                     | 107.7                     | 97.7                      | 94.2                      | 88.5                      |
| Hydroelectric, renewables and other power generation            | 221111,4-8  | .52                                   | 122.3                     | 117.6                     | 129.0                     | 135.0                     | 129.5                     | 130.1                     | 112.8                     | 117.1                     | 133.4                     | 145.5                     | 149.0                     | 150.3                     |
| Hydroelectric power generation                                  | 221111      | .34                                   | 102.3                     | 96.8                      | 99.6                      | 113.0                     |                           |                           | 87.3                      | 95.4                      | 108.7                     | 122.3                     |                           |                           |
| Renewables and other power generation                           | 221114-8    | .17                                   | 181.6                     | 179.9                     | 219.4                     | 200.3                     |                           |                           | 193.3                     | 184.9                     | 210.6                     | 216.7                     |                           |                           |
| Fossil fuel power generation                                    | 221112      | 2.64                                  | 92.4                      | 98.4                      | 100.5                     | 86.8                      |                           |                           | 81.3                      | 91.7                      | 100.2                     | 84.6                      |                           |                           |
| Nuclear electric power generation                               | 221113      | 1.42                                  | 109.2                     | 107.4                     | 106.3                     | 106.0                     |                           |                           | 105.7                     | 113.1                     | 114.6                     | 110.1                     |                           |                           |
| Electric power transmission, control, and distribution          | 22112       | 4.42                                  | 104.1                     | 104.6                     | 110.1                     | 99.2                      | 103.9                     | 104.4                     | 92.2                      | 103.4                     | 116.2                     | 96.8                      | 96.8                      | 89.0                      |
| Commercial and other electricity sales                          | 22112pt.    | 1.64                                  | 108.6                     | 109.2                     | 112.0                     | 106.6                     |                           |                           | 100.8                     | 104.4                     | 109.4                     | 98.5                      |                           |                           |
| Industrial electricity sales                                    | 22112pt.    | .74                                   | 95.6                      | 97.2                      | 96.4                      | 94.4                      |                           |                           | 92.8                      | 93.4                      | 92.5                      | 87.6                      |                           |                           |
| Residential electricity sales                                   | 22112pt.    | 2.04                                  | 104.2                     | 104.2                     | 114.0                     | 95.7                      |                           |                           | 85.4                      | 106.3                     | 130.1                     | 98.9                      |                           |                           |
| <b>Natural gas distribution</b>                                 | <b>2212</b> | 1.37                                  | 112.0                     | 126.5                     | 118.7                     | 101.6                     | 118.9                     | 131.2                     | 128.6                     | 207.5                     | 239.1                     | 175.2                     | 174.8                     | 111.7                     |
| Commercial and other gas sales                                  | 2212pt.     | .26                                   | 116.6                     | 132.4                     | 121.8                     | 104.2                     |                           |                           | 134.2                     | 202.4                     | 226.9                     | 174.2                     |                           |                           |
| Industrial gas sales                                            | 2212pt.     | .07                                   | 107.4                     | 114.4                     | 114.8                     | 108.8                     |                           |                           | 100.9                     | 113.8                     | 116.5                     | 101.4                     |                           |                           |
| Residential gas sales                                           | 2212pt.     | .78                                   | 113.5                     | 130.3                     | 120.9                     | 100.6                     |                           |                           | 135.0                     | 238.5                     | 281.5                     | 198.6                     |                           |                           |
| Gas transmission                                                | 2212pt.     | .26                                   | 109.8                     | 118.8                     | 116.1                     | 105.3                     |                           |                           | 110.2                     | 144.1                     | 155.9                     | 125.5                     |                           |                           |
| <b>Food</b>                                                     | <b>311</b>  | 8.92                                  | 112.2                     | 112.9                     | 112.8                     | 115.6                     | 114.0                     | 114.8                     | 113.5                     | 113.2                     | 110.2                     | 112.5                     | 112.0                     | 112.7                     |
| Animal food                                                     | 3111        | .59                                   | 116.6                     | 117.5                     | 119.8                     | 117.3                     | 118.1                     | 121.0                     | 120.6                     | 121.3                     | 120.9                     | 116.5                     | 117.2                     | 120.2                     |
| Grain and oilseed milling                                       | 3112        | .73                                   | 108.5                     | 108.1                     | 109.8                     | 110.5                     | 109.8                     | 107.1                     | 111.8                     | 110.4                     | 111.1                     | 111.5                     | 111.6                     | 106.9                     |
| Sugar and confectionery product                                 | 3113        | .49                                   | 106.9                     | 112.7                     | 114.1                     | 119.6                     | 116.6                     | 119.3                     | 121.0                     | 126.5                     | 115.3                     | 117.5                     | 113.1                     | 111.2                     |
| Fruit and vegetable preserving and specialty food               | 3114        | 1.09                                  | 114.5                     | 113.6                     | 109.3                     | 115.9                     | 112.9                     | 109.5                     | 110.3                     | 107.9                     | 99.4                      | 103.2                     | 101.3                     | 99.8                      |
| Dairy product                                                   | 3115        | 1.03                                  | 104.9                     | 104.3                     | 104.7                     | 107.1                     | 105.4                     | 107.5                     | 101.0                     | 102.7                     | 103.7                     | 108.5                     | 110.2                     | 114.6                     |
| Dairy product (except frozen)                                   | 31151       | .93                                   | 105.5                     | 104.3                     | 105.1                     | 107.6                     | 105.9                     | 108.0                     | 103.2                     | 105.2                     | 105.6                     | 109.3                     | 110.3                     | 114.4                     |
| Fluid milk                                                      | 311511      | .35                                   | 88.3                      | 88.4                      | 88.6                      | 88.8                      | 88.2                      |                           | 85.8                      | 86.7                      | 88.4                      | 89.9                      | 90.7                      |                           |
| Creamery butter                                                 | 311512      | .02                                   | 146.1                     | 155.2                     | 145.9                     | 155.1                     | 159.1                     |                           | 140.8                     | 166.0                     | 167.0                     | 177.4                     | 173.8                     |                           |
| Cheese                                                          | 311513      | .31                                   | 117.7                     | 116.9                     | 120.4                     | 119.6                     | 119.0                     |                           | 119.3                     | 119.3                     | 119.8                     | 119.2                     | 120.2                     |                           |
| Dry, condensed, and evaporated dairy product                    | 311514      | .26                                   | 118.6                     | 114.5                     | 113.6                     | 123.8                     | 118.7                     |                           | 112.6                     | 117.8                     | 115.7                     | 127.8                     | 129.5                     |                           |
| Ice cream and frozen dessert                                    | 31152       | .10                                   | 99.3                      | 103.8                     | 101.0                     | 101.3                     | 99.5                      |                           | 78.4                      | 77.8                      | 84.3                      | 100.5                     | 108.9                     |                           |
| Animal slaughtering and processing                              | 3116        | 1.92                                  | 111.2                     | 112.8                     | 109.5                     | 111.6                     | 109.7                     | 110.7                     | 111.8                     | 110.7                     | 109.5                     | 111.0                     | 109.8                     | 109.2                     |
| Animal (except poultry) slaughtering and meat                   | 311611-3    | 1.16                                  | 111.3                     | 112.6                     | 110.9                     | 111.5                     | 110.4                     | 111.3                     | 114.6                     | 112.6                     | 110.6                     | 110.9                     | 110.9                     | 108.6                     |
| Beef                                                            | 311611-3pt. | .70                                   | 109.0                     | 108.8                     | 108.3                     | 108.1                     | 105.9                     |                           | 110.9                     | 106.3                     | 106.0                     | 104.9                     | 104.6                     |                           |
| Pork                                                            | 311611-3pt. | .45                                   | 115.6                     | 119.4                     | 115.5                     | 117.5                     | 118.3                     |                           | 121.4                     | 123.5                     | 118.9                     | 121.5                     | 121.8                     |                           |
| Miscellaneous meats                                             | 311611-3pt. | .02                                   | 85.1                      | 88.1                      | 85.2                      | 87.9                      | 88.3                      |                           | 85.1                      | 92.0                      | 82.7                      | 87.7                      | 91.9                      |                           |
| Poultry processing                                              | 311615      | .76                                   | 111.0                     | 112.9                     | 107.5                     | 111.7                     | 108.5                     |                           | 107.6                     | 107.9                     | 107.9                     | 111.2                     | 108.0                     |                           |
| Bakeries and tortilla                                           | 3118        | 1.21                                  | 105.3                     | 104.7                     | 110.0                     | 111.5                     | 111.1                     | 111.8                     | 109.8                     | 108.9                     | 105.8                     | 107.6                     | 107.5                     | 109.4                     |
| Other food                                                      | 3119        | 1.70                                  | 123.0                     | 124.1                     | 123.8                     | 127.5                     | 125.6                     | 128.4                     | 127.1                     | 126.3                     | 121.5                     | 123.0                     | 123.7                     | 127.0                     |
| Coffee and tea                                                  | 31192       | .15                                   | 129.5                     | 130.7                     | 130.4                     | 135.1                     | 134.4                     | 137.1                     | 133.2                     | 132.7                     | 128.6                     | 131.3                     | 132.6                     | 135.4                     |
| <b>Beverage and tobacco product</b>                             | <b>312</b>  | 2.79                                  | 98.1                      | 97.5                      | 97.2                      | 99.0                      | 99.0                      | 99.2                      | 96.3                      | 87.5                      | 91.3                      | 99.0                      | 103.7                     | 100.5                     |
| Beverage                                                        | 3121        | 1.83                                  | 109.0                     | 111.3                     | 108.8                     | 112.7                     | 112.8                     | 113.2                     | 106.8                     | 108.4                     | 101.6                     | 109.3                     | 116.1                     | 114.2                     |
| Soft drink and ice                                              | 31211       | .54                                   | 94.5                      | 96.0                      | 97.3                      | 94.9                      | 93.7                      | 94.9                      | 91.5                      | 94.4                      | 93.0                      | 92.1                      | 92.6                      | 95.1                      |
| Breweries                                                       | 31212       | .60                                   | 101.1                     | 101.6                     | 94.9                      | 101.7                     |                           |                           | 88.7                      | 87.8                      | 88.1                      | 97.5                      |                           |                           |
| Tobacco                                                         | 3122        | .96                                   | 81.1                      | 76.2                      | 79.1                      | 77.9                      | 77.8                      | 77.8                      | 79.9                      | 56.2                      | 75.2                      | 82.8                      | 84.6                      | 79.4                      |
| <b>Textile mills</b>                                            | <b>313</b>  | .32                                   | 87.6                      | 89.4                      | 89.9                      | 92.0                      | 89.7                      | 90.9                      | 88.5                      | 90.5                      | 88.2                      | 91.4                      | 89.9                      | 91.9                      |
| Fiber, yarn, and thread mills                                   | 3131        | .07                                   | 103.4                     | 107.6                     | 107.1                     | 108.8                     | 107.0                     | 106.8                     | 103.8                     | 108.1                     | 102.8                     | 108.1                     | 108.1                     | 107.4                     |
| Fabric mills                                                    | 3132        | .16                                   | 79.1                      | 79.0                      | 80.0                      | 82.7                      | 79.5                      | 81.9                      | 79.9                      | 80.1                      | 80.4                      | 82.0                      | 79.7                      | 83.3                      |
| Textile and fabric finishing and fabric coating                 | 3133        | .09                                   | 94.2                      | 98.3                      | 98.5                      | 99.8                      | 99.0                      | 98.5                      | 95.9                      | 99.8                      | 94.2                      | 99.2                      | 98.4                      | 99.0                      |
| <b>Textile product mills</b>                                    | <b>314</b>  | .33                                   | 107.6                     | 108.5                     | 109.5                     | 110.9                     | 109.9                     | 109.6                     | 107.7                     | 103.5                     | 104.6                     | 104.8                     | 108.4                     | 111.5                     |
| Textile furnishings mills                                       | 3141        | .17                                   | 100.0                     | 99.3                      | 98.1                      | 97.9                      | 99.4                      | 98.8                      | 98.9                      | 88.1                      | 93.0                      | 92.7                      | 98.2                      | 102.8                     |
| Carpet and rug mills                                            | 31411       | .10                                   | 96.8                      | 96.7                      | 96.5                      | 96.3                      | 96.0                      | 95.7                      | 93.0                      | 71.7                      | 88.5                      | 89.0                      | 94.9                      | 105.6                     |
| Other textile product mills                                     | 3149        | .16                                   | 116.0                     | 118.7                     | 122.3                     | 125.5                     | 121.6                     | 121.7                     | 117.5                     | 121.0                     | 117.5                     | 118.4                     | 119.7                     | 121.2                     |

<sup>r</sup> Revised. <sup>p</sup> Preliminary.

1. The IP proportion data are estimates of the industries' relative contributions to overall IP growth in the following year.

**Table 1B**  
**INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES**

| Item                                             | NAICS      | 2017<br>IP<br>Proportion <sup>1</sup> | Index, 2012 = 100         |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |
|--------------------------------------------------|------------|---------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
|                                                  |            |                                       | Seasonally adjusted       |                           |                           |                           |                           |                           | Not seasonally adjusted   |                           |                           |                           |                           |                           |
|                                                  |            |                                       | 2017<br>Nov. <sup>r</sup> | 2018<br>Dec. <sup>r</sup> | 2018<br>Jan. <sup>r</sup> | 2018<br>Feb. <sup>r</sup> | 2018<br>Mar. <sup>r</sup> | 2018<br>Apr. <sup>p</sup> | 2017<br>Nov. <sup>r</sup> | 2018<br>Dec. <sup>r</sup> | 2018<br>Jan. <sup>r</sup> | 2018<br>Feb. <sup>r</sup> | 2018<br>Mar. <sup>r</sup> | 2018<br>Apr. <sup>p</sup> |
| <b>Apparel</b>                                   | <b>315</b> | .15                                   | 68.2                      | 69.4                      | 69.7                      | 70.5                      | 70.6                      | 71.8                      | 69.8                      | 71.4                      | 68.8                      | 71.5                      | 70.9                      | 71.7                      |
| <b>Leather and allied product</b>                | <b>316</b> | .06                                   | 85.0                      | 87.8                      | 88.5                      | 89.0                      | 87.4                      | 88.2                      | 84.8                      | 88.9                      | 87.1                      | 88.4                      | 88.3                      | 89.8                      |
| <b>Wood product</b>                              | <b>321</b> | 1.42                                  | 125.0                     | 124.3                     | 124.6                     | 127.0                     | 126.6                     | 125.1                     | 122.5                     | 117.6                     | 119.3                     | 123.9                     | 126.7                     | 128.2                     |
| Sawmills and wood preservation                   | 3211       | .38                                   | 120.8                     | 119.9                     | 117.7                     |                           |                           |                           | 116.8                     | 107.4                     | 114.3                     |                           |                           |                           |
| Plywood and misc. wood products                  | 3212,9     | 1.04                                  | 126.6                     | 125.9                     | 127.2                     | 129.9                     | 129.6                     | 128.1                     | 124.7                     | 121.5                     | 121.2                     | 124.9                     | 128.7                     | 130.5                     |
| Veneer, plywood, and engineered wood product     | 3212       | .32                                   | 118.8                     | 120.5                     | 122.1                     | 121.8                     | 123.8                     | 122.4                     | 115.9                     | 111.9                     | 113.6                     | 118.7                     | 125.9                     | 122.1                     |
| Veneer and plywood                               | 321211,2   | .09                                   | 107.3                     | 106.0                     | 102.4                     | 100.3                     | 99.5                      | 100.1                     | 108.5                     | 100.8                     | 87.6                      | 100.7                     | 111.9                     | 93.2                      |
| Reconstituted wood product                       | 321219     | .12                                   | 112.9                     | 115.1                     | 116.2                     | 115.6                     | 119.6                     | 117.3                     | 103.9                     | 101.4                     | 113.3                     | 117.4                     | 122.0                     | 125.5                     |
| Other wood product                               | 3219       | .73                                   | 130.1                     | 128.3                     | 129.5                     | 133.4                     | 132.2                     | 130.6                     | 128.6                     | 125.8                     | 124.6                     | 127.7                     | 129.9                     | 134.2                     |
| Millwork                                         | 32191      | .37                                   | 117.2                     | 113.1                     | 116.8                     | 119.2                     | 121.2                     | 120.8                     | 115.0                     | 112.8                     | 112.5                     | 112.3                     | 117.1                     | 123.9                     |
| Wood container and pallet                        | 32192      | .13                                   | 138.2                     | 144.4                     | 139.2                     | 145.9                     | 142.4                     | 138.2                     | 138.3                     | 144.2                     | 136.4                     | 142.8                     | 141.2                     | 138.9                     |
| All other wood product                           | 32199      | .23                                   | 149.7                     | 148.1                     | 147.9                     | 153.3                     | 146.9                     | 144.6                     | 148.7                     | 139.6                     | 140.5                     | 148.1                     | 147.4                     | 150.5                     |
| Manufactured home                                | 321991     | .08                                   | 168.1                     | 171.2                     | 172.0                     | 177.2                     | 166.3                     |                           | 166.5                     | 146.1                     | 159.5                     | 173.0                     | 171.0                     |                           |
| <b>Paper</b>                                     | <b>322</b> | 2.50                                  | 96.3                      | 97.0                      | 95.1                      | 96.2                      | 95.2                      | 95.5                      | 96.2                      | 95.1                      | 94.2                      | 96.0                      | 95.2                      | 95.0                      |
| Pulp, paper, and paperboard mills                | 3221       | 1.25                                  | 93.9                      | 94.7                      | 92.1                      | 92.7                      | 93.3                      | 93.3                      | 94.0                      | 94.3                      | 92.2                      | 93.3                      | 92.6                      | 92.4                      |
| Pulp mills                                       | 32211      | .09                                   | 111.6                     | 112.7                     | 109.0                     | 111.9                     | 113.2                     |                           | 111.8                     | 115.7                     | 109.5                     | 110.8                     | 109.0                     |                           |
| Paper mills                                      | 32212      | .59                                   | 84.4                      | 84.5                      | 83.3                      | 84.6                      | 83.1                      | 83.9                      | 84.8                      | 84.3                      | 83.0                      | 85.9                      | 83.8                      | 83.5                      |
| Paper (except newsprint) mills                   | 322121     | .57                                   | 86.8                      | 86.9                      | 85.8                      | 87.1                      | 85.5                      |                           | 87.2                      | 86.8                      | 85.6                      | 88.5                      | 86.3                      |                           |
| Paperboard mills                                 | 32213      | .57                                   | 103.8                     | 105.4                     | 101.2                     | 100.5                     | 103.7                     |                           | 103.5                     | 104.3                     | 101.8                     | 100.7                     | 101.8                     |                           |
| Converted paper product                          | 3222       | 1.25                                  | 98.7                      | 99.4                      | 98.2                      | 99.9                      | 97.1                      | 97.8                      | 98.6                      | 95.9                      | 96.3                      | 98.7                      | 98.0                      | 97.7                      |
| Paperboard container                             | 32221      | .71                                   | 110.5                     | 111.6                     | 109.5                     | 110.0                     | 107.0                     |                           | 109.7                     | 105.2                     | 105.8                     | 108.2                     | 107.9                     |                           |
| Paper bag and coated and treated paper           | 32222      | .24                                   | 79.4                      | 79.0                      | 81.2                      | 84.3                      | 80.7                      | 82.1                      | 80.2                      | 78.9                      | 80.5                      | 82.3                      | 81.6                      | 81.4                      |
| Other converted paper products                   | 32223,9    | .29                                   | 92.9                      | 93.6                      | 91.1                      | 94.2                      | 92.6                      | 93.3                      | 93.4                      | 93.2                      | 92.0                      | 95.1                      | 93.4                      | 92.9                      |
| <b>Printing and related support activities</b>   | <b>323</b> | 1.41                                  | 97.6                      | 98.6                      | 98.1                      | 98.7                      | 96.9                      | 97.3                      | 98.2                      | 100.9                     | 97.0                      | 97.2                      | 96.8                      | 97.1                      |
| <b>Petroleum and coal products</b>               | <b>324</b> | 3.41                                  | 107.3                     | 107.6                     | 107.7                     | 105.5                     | 105.8                     | 107.1                     | 107.2                     | 105.9                     | 99.6                      | 99.1                      | 102.3                     | 107.0                     |
| Petroleum refineries                             | 32411      | 2.83                                  | 106.7                     | 106.3                     | 107.5                     | 105.7                     | 106.9                     | 108.0                     | 106.7                     | 106.8                     | 101.6                     | 100.9                     | 104.6                     | 108.2                     |
| Aviation fuel and kerosene                       | 32411pt.   | .26                                   | 109.0                     | 113.3                     | 114.4                     | 115.2                     |                           |                           | 109.4                     | 117.2                     | 110.6                     | 110.1                     |                           |                           |
| Distillate fuel oil                              | 32411pt.   | .72                                   | 108.2                     | 108.9                     | 109.5                     | 101.9                     |                           |                           | 112.8                     | 113.9                     | 105.5                     | 96.6                      |                           |                           |
| Automotive gasoline                              | 32411pt.   | 1.35                                  | 109.6                     | 107.4                     | 108.5                     | 109.0                     |                           |                           | 109.9                     | 108.6                     | 102.6                     | 105.8                     |                           |                           |
| Residual fuel oil                                | 32411pt.   | .09                                   | 80.5                      | 75.9                      | 88.0                      | 88.7                      |                           |                           | 79.4                      | 71.9                      | 90.2                      | 89.2                      |                           |                           |
| Other refinery output                            | 32411pt.   | .40                                   | 97.8                      | 99.6                      | 99.5                      | 97.6                      | 99.0                      | 99.6                      | 89.1                      | 89.5                      | 86.5                      | 87.7                      | 95.3                      | 103.6                     |
| Paving, roofing, and other petroleum and coal    | 32412,9    | .58                                   | 104.6                     | 108.4                     | 102.8                     | 99.5                      | 94.6                      | 97.3                      | 104.0                     | 95.7                      | 84.5                      | 84.9                      | 85.0                      | 95.4                      |
| <b>Chemicals</b>                                 | <b>325</b> | 12.38                                 | 98.1                      | 97.3                      | 95.8                      | 96.7                      | 97.9                      | 98.5                      | 97.6                      | 98.0                      | 96.3                      | 96.3                      | 98.7                      | 98.5                      |
| Pharmaceutical and medicine                      | 3254       | 4.48                                  | 91.8                      | 93.3                      | 92.5                      | 93.1                      | 94.1                      | 94.8                      | 91.4                      | 94.3                      | 92.9                      | 92.1                      | 95.2                      | 95.1                      |
| Chemicals except pharmaceuticals and medicine    | 3251–3,5–9 | 7.90                                  | 101.7                     | 99.6                      | 97.6                      | 98.7                      | 100.1                     | 100.5                     | 101.3                     | 100.2                     | 98.2                      | 98.6                      | 100.7                     | 100.3                     |
| Basic chemical                                   | 3251       | 3.31                                  | 98.9                      | 97.3                      | 93.7                      | 94.6                      | 96.3                      | 95.6                      | 99.4                      | 97.2                      | 94.6                      | 94.8                      | 96.4                      | 95.1                      |
| Organic chemicals                                | 32511,9    | 2.59                                  | 106.9                     | 104.8                     | 99.8                      | 99.8                      | 102.6                     | 101.3                     | 107.3                     | 104.6                     | 100.8                     | 100.5                     | 103.0                     | 101.1                     |
| Basic inorganic chemicals                        | 32512–8    | .72                                   | 78.0                      | 77.5                      | 78.1                      | 81.6                      | 79.9                      | 81.3                      | 78.9                      | 78.1                      | 78.5                      | 80.4                      | 79.5                      | 79.8                      |
| Industrial gas                                   | 32512      | .13                                   | 79.4                      | 79.8                      | 82.6                      | 85.5                      | 86.4                      | 87.3                      | 80.0                      | 81.0                      | 83.9                      | 84.8                      | 85.9                      | 86.5                      |
| Synthetic dye and pigment                        | 32513      | .08                                   | 78.9                      | 78.6                      | 81.9                      | 84.0                      | 84.9                      | 85.3                      | 80.0                      | 79.9                      | 81.2                      | 82.7                      | 83.3                      | 83.2                      |
| Other basic inorganic chemical                   | 32518      | .50                                   | 77.2                      | 76.5                      | 76.1                      | 80.1                      | 77.3                      | 78.9                      | 78.1                      | 76.8                      | 76.5                      | 78.7                      | 77.1                      | 77.4                      |
| Alkalies and chlorine                            | 32518pt.   | .14                                   | 104.5                     | 99.8                      | 94.8                      | 107.2                     | 94.5                      |                           | 105.7                     | 100.1                     | 95.0                      | 104.2                     | 95.1                      |                           |
| Resin, synthetic rubber, and synthetic fibers    | 3252       | 1.13                                  | 100.0                     | 99.1                      | 94.0                      | 93.8                      | 100.3                     | 100.1                     | 98.1                      | 97.9                      | 94.5                      | 95.8                      | 101.0                     | 98.8                      |
| Resin and synthetic rubber                       | 32521      | 1.05                                  | 101.4                     | 100.3                     | 94.8                      | 94.3                      | 101.6                     | 101.2                     | 99.3                      | 99.8                      | 95.5                      | 96.3                      | 102.4                     | 99.7                      |
| Plastics material and resin                      | 325211     | .96                                   | 101.7                     | 100.4                     | 94.3                      | 93.7                      | 102.0                     |                           | 99.3                      | 99.7                      | 94.9                      | 96.0                      | 102.9                     |                           |
| Synthetic rubber                                 | 325212     | .09                                   | 98.2                      | 99.2                      | 100.5                     | 100.8                     | 97.2                      | 99.5                      | 98.9                      | 100.0                     | 102.2                     | 99.6                      | 96.0                      | 97.4                      |
| Artificial and synthetic fibers and filaments    | 32522      | .08                                   | 85.5                      | 86.8                      | 85.8                      |                           |                           |                           | 85.2                      | 78.2                      | 83.9                      |                           |                           |                           |
| Pesticide, fertilizer, and other agricultural    | 3253       | .56                                   | 128.2                     | 122.9                     | 116.3                     | 118.6                     | 119.8                     | 122.0                     | 126.1                     | 125.7                     | 118.9                     | 118.5                     | 122.6                     | 124.6                     |
| Paints, soaps and toiletries, and other chemical | 3255–9     | 2.90                                  | 100.8                     | 98.3                      | 100.1                     | 101.5                     | 100.7                     | 102.3                     | 100.1                     | 99.8                      | 99.9                      | 100.4                     | 101.4                     | 102.5                     |
| Paints and other chemical products               | 3255,9     | 1.35                                  | 109.8                     | 108.7                     | 108.4                     | 110.4                     | 110.5                     | 111.8                     | 108.6                     | 109.6                     | 109.5                     | 110.1                     | 111.1                     | 112.0                     |
| Paint, coating, and adhesive                     | 3255       | .68                                   | 129.9                     | 127.3                     | 125.1                     | 132.6                     | 129.5                     | 131.4                     | 128.0                     | 126.9                     | 127.1                     | 131.6                     | 131.7                     | 132.3                     |
| Paint and coating                                | 32551      | .46                                   | 133.7                     | 131.6                     | 130.2                     | 138.5                     | 133.9                     | 135.7                     | 131.6                     | 130.3                     | 131.6                     | 136.6                     | 136.5                     | 137.7                     |
| Soaps and toiletries                             | 3256       | 1.56                                  | 94.2                      | 90.8                      | 94.0                      | 95.1                      | 93.6                      | 95.4                      | 94.0                      | 92.6                      | 92.9                      | 93.3                      | 94.4                      | 95.5                      |
| <b>Plastics and rubber products</b>              | <b>326</b> | 3.60                                  | 111.1                     | 110.1                     | 109.3                     | 111.2                     | 110.3                     | 109.8                     | 111.4                     | 110.0                     | 108.2                     | 110.1                     | 110.3                     | 110.2                     |
| Plastics product                                 | 3261       | 3.01                                  | 115.0                     | 113.4                     | 114.0                     | 115.1                     | 114.0                     | 113.8                     | 115.5                     | 114.3                     | 112.6                     | 113.3                     | 113.4                     | 114.1                     |
| Rubber product                                   | 3262       | .59                                   | 94.4                      | 95.8                      | 89.3                      | 94.5                      | 94.8                      | 92.4                      | 94.0                      | 91.5                      | 89.8                      | 96.3                      | 97.3                      | 93.7                      |
| Tire                                             | 32621      | .25                                   | 86.7                      | 94.0                      | 83.7                      | 90.1                      | 89.1                      | 87.9                      | 84.6                      | 79.3                      | 84.4                      | 95.3                      | 94.6                      | 91.3                      |
| Rubber products ex. tires                        | 32622,9    | .34                                   | 100.5                     | 97.0                      | 93.8                      | 97.8                      | 99.2                      | 95.9                      | 101.4                     | 101.2                     | 94.1                      | 96.9                      | 99.3                      | 95.4                      |

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1. The IP proportion data are estimates of the industries' relative contributions to overall IP growth in the following year.

**Table 1C**  
**INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES**

| Item                                                                           | NAICS       | 2017<br>IP<br>Proportion <sup>1</sup> | Index, 2012 = 100         |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |
|--------------------------------------------------------------------------------|-------------|---------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
|                                                                                |             |                                       | Seasonally adjusted       |                           |                           |                           |                           |                           | Not seasonally adjusted   |                           |                           |                           |                           |                           |
|                                                                                |             |                                       | 2017<br>Nov. <sup>r</sup> | 2017<br>Dec. <sup>r</sup> | 2018<br>Jan. <sup>r</sup> | 2018<br>Feb. <sup>r</sup> | 2018<br>Mar. <sup>r</sup> | 2018<br>Apr. <sup>p</sup> | 2017<br>Nov. <sup>r</sup> | 2017<br>Dec. <sup>r</sup> | 2018<br>Jan. <sup>r</sup> | 2018<br>Feb. <sup>r</sup> | 2018<br>Mar. <sup>r</sup> | 2018<br>Apr. <sup>p</sup> |
| <b>Nonmetallic mineral product</b>                                             | <b>327</b>  | 2.20                                  | 117.0                     | 118.5                     | 116.2                     | 121.8                     | 120.5                     | 121.3                     | 118.6                     | 112.5                     | 105.2                     | 111.5                     | 115.1                     | 120.7                     |
| Clay, lime, gypsum, and misc. nonmetallic mineral                              | 3271,4,9    | .74                                   | 114.3                     | 115.7                     | 113.5                     | 116.8                     | 117.1                     | 118.2                     | 114.8                     | 114.8                     | 108.4                     | 111.9                     | 115.6                     | 119.1                     |
| Clay and misc. nonmetallic mineral products                                    | 3271,9      | .61                                   | 113.6                     | 115.5                     | 113.8                     | 117.8                     | 118.0                     | 118.7                     | 114.5                     | 115.7                     | 109.8                     | 113.0                     | 116.5                     | 118.3                     |
| Clay product and refractory                                                    | 3271        | .15                                   | 104.0                     | 105.5                     | 106.1                     | 110.3                     | 107.8                     | 110.8                     | 103.7                     | 103.1                     | 100.3                     | 104.6                     | 105.9                     | 111.7                     |
| Pottery, ceramics, and plumbing fixture                                        | 32711       | .05                                   | 98.9                      | 100.3                     | 100.7                     | 103.3                     | 101.2                     | 104.2                     | 100.9                     | 102.1                     | 98.7                      | 99.5                      | 99.5                      | 103.8                     |
| Clay building material and refractories                                        | 32712       | .11                                   | 106.6                     | 108.1                     | 108.8                     | 113.7                     | 111.1                     | 114.0                     | 105.2                     | 103.6                     | 101.2                     | 107.1                     | 109.1                     | 115.6                     |
| Other nonmetallic mineral product                                              | 3279        | .46                                   | 116.9                     | 119.0                     | 116.4                     | 120.4                     | 121.6                     | 121.5                     | 118.2                     | 120.1                     | 113.0                     | 115.9                     | 120.2                     | 120.6                     |
| Lime and gypsum product                                                        | 3274        | .13                                   | 117.6                     | 116.4                     | 112.1                     | 111.6                     | 112.4                     | 115.2                     | 116.0                     | 110.3                     | 102.0                     | 106.1                     | 111.1                     | 122.0                     |
| Glass and glass product                                                        | 3272        | .48                                   | 106.2                     | 106.5                     | 105.8                     | 110.9                     | 112.0                     | 110.8                     | 108.8                     | 102.1                     | 105.4                     | 109.7                     | 111.0                     | 109.4                     |
| Glass container                                                                | 327213      | .10                                   | 95.0                      | 95.0                      | 95.1                      |                           |                           |                           | 96.2                      | 74.5                      | 93.2                      |                           |                           |                           |
| Cement and concrete product                                                    | 3273        | .98                                   | 125.9                     | 128.2                     | 124.9                     | 132.7                     | 128.6                     | 130.4                     | 127.8                     | 117.0                     | 102.4                     | 112.5                     | 117.4                     | 129.1                     |
| Cement                                                                         | 32731       | .16                                   | 121.8                     | 123.2                     | 122.2                     | 122.3                     |                           |                           | 121.5                     | 95.5                      | 84.3                      | 93.5                      |                           |                           |
| Concrete and product                                                           | 32732-9     | .82                                   | 126.8                     | 129.3                     | 125.6                     | 134.9                     | 130.1                     | 131.9                     | 129.1                     | 121.3                     | 106.0                     | 116.4                     | 119.0                     | 129.9                     |
| <b>Primary metals</b>                                                          | <b>331</b>  | 2.63                                  | 96.2                      | 94.7                      | 94.6                      | 96.3                      | 96.8                      | 96.3                      | 93.4                      | 91.0                      | 94.1                      | 98.1                      | 97.3                      | 97.2                      |
| Iron and steel products                                                        | 3311,2      | 1.25                                  | 95.8                      | 93.5                      | 92.3                      | 95.5                      | 97.9                      | 95.7                      | 91.0                      | 88.2                      | 91.5                      | 98.1                      | 98.1                      | 95.9                      |
| Pig iron                                                                       | 3311,2pt.   | .08                                   | 70.7                      | 69.6                      | 71.2                      | 67.1                      | 70.9                      |                           | 67.0                      | 67.5                      | 70.3                      | 72.9                      | 72.2                      |                           |
| Raw steel                                                                      | 3311,2pt.   | .08                                   | 95.2                      | 96.0                      | 95.9                      | 98.8                      | 100.5                     |                           | 92.3                      | 90.9                      | 96.6                      | 100.6                     | 100.7                     |                           |
| Coke and products                                                              | 3311,2pt.   | .02                                   | 89.4                      | 90.9                      | 92.8                      | 94.1                      | 94.8                      | 94.8                      | 88.3                      | 89.1                      | 90.9                      | 92.5                      | 93.5                      | 93.6                      |
| Construction steel                                                             | 3311,2pt.   | .19                                   | 113.8                     | 118.5                     | 110.8                     | 116.8                     | 115.9                     |                           | 106.5                     | 108.8                     | 108.6                     | 117.9                     | 117.1                     |                           |
| Consumer durable steel                                                         | 3311,2pt.   | .20                                   | 99.6                      | 97.1                      | 96.3                      | 100.2                     | 102.9                     |                           | 95.8                      | 87.7                      | 95.3                      | 104.8                     | 103.8                     |                           |
| Can and closure steel                                                          | 3311,2pt.   | .01                                   | 59.0                      | 61.2                      | 52.9                      | 46.5                      | 44.2                      |                           | 49.4                      | 53.4                      | 47.5                      | 46.5                      | 43.9                      |                           |
| Equipment steel                                                                | 3311,2pt.   | .08                                   | 84.9                      | 78.2                      | 75.9                      | 78.6                      | 79.3                      |                           | 81.6                      | 75.6                      | 77.5                      | 82.0                      | 82.5                      |                           |
| Miscellaneous steel                                                            | 3311,2pt.   | .59                                   | 98.1                      | 93.8                      | 94.0                      | 98.0                      | 101.6                     |                           | 93.0                      | 89.8                      | 93.2                      | 100.0                     | 100.6                     |                           |
| Nonferrous metals                                                              | 3313,4      | .89                                   | 96.5                      | 96.5                      | 98.0                      | 97.8                      | 96.3                      | 97.8                      | 94.5                      | 92.2                      | 97.2                      | 100.1                     | 97.5                      | 99.7                      |
| Alumina and aluminum production and processing                                 | 3313        | .38                                   | 101.6                     | 105.5                     | 101.2                     | 103.1                     | 102.2                     | 104.6                     | 97.2                      | 91.3                      | 98.7                      | 108.9                     | 103.9                     | 108.3                     |
| Primary aluminum production                                                    | 331313pt.   | .03                                   | 43.4                      | 44.0                      | 46.8                      | 48.9                      | 52.8                      | 56.5                      | 43.8                      | 44.9                      | 47.3                      | 49.3                      | 52.7                      | 55.5                      |
| Secondary smelting and alloying of aluminum                                    | 331314      | .06                                   | 133.8                     | 140.3                     | 134.1                     | 134.5                     |                           |                           | 135.4                     | 134.5                     | 129.9                     | 145.2                     |                           |                           |
| Misc. aluminum materials                                                       | 331315,8pt. | .16                                   | 104.3                     | 108.4                     | 103.9                     | 104.6                     | 106.1                     |                           | 97.7                      | 94.9                      | 99.8                      | 109.5                     | 107.1                     |                           |
| Aluminum extruded product                                                      | 331318pt.   | .13                                   | 124.1                     | 129.2                     | 121.6                     | 126.0                     | 122.8                     |                           | 116.4                     | 99.7                      | 119.8                     | 135.1                     | 127.5                     |                           |
| Nonferrous metal (except aluminum) production and processing                   | 3314        | .50                                   | 92.9                      | 90.3                      | 95.8                      | 94.1                      | 92.3                      | 93.0                      | 92.7                      | 92.7                      | 96.1                      | 94.0                      | 93.1                      | 93.8                      |
| Nonferrous metal (except aluminum) smelting and refining                       | 33141       | .10                                   | 69.8                      | 71.4                      | 80.1                      | 76.0                      | 74.7                      | 75.2                      | 70.0                      | 75.6                      | 80.3                      | 79.0                      | 77.5                      | 77.9                      |
| Primary smelting and refining of copper                                        | 33141pt.    | .05                                   | 60.4                      | 74.0                      | 90.0                      | 80.8                      | 77.6                      | 77.6                      | 60.3                      | 74.8                      | 88.0                      | 83.3                      | 78.0                      | 76.7                      |
| Primary smelting and refining of nonferrous                                    | 33141pt.    | .05                                   | 79.9                      | 69.7                      | 71.5                      |                           |                           |                           | 80.5                      | 77.5                      | 73.8                      |                           |                           |                           |
| Foundries                                                                      | 3315        | .50                                   | 96.8                      | 94.8                      | 94.7                      | 95.9                      | 95.0                      | 95.7                      | 98.0                      | 96.2                      | 95.3                      | 94.7                      | 94.9                      | 96.3                      |
| <b>Fabricated metal product</b>                                                | <b>332</b>  | 5.45                                  | 99.2                      | 99.3                      | 99.9                      | 101.8                     | 101.9                     | 101.4                     | 99.5                      | 100.9                     | 98.7                      | 100.6                     | 101.4                     | 101.8                     |
| Forging and stamping                                                           | 3321        | .44                                   | 98.9                      | 99.3                      | 100.9                     | 104.9                     | 103.3                     | 102.9                     | 99.2                      | 101.3                     | 101.7                     | 103.0                     | 102.9                     | 103.5                     |
| Cutlery and handtool                                                           | 3322        | .19                                   | 104.1                     | 109.4                     | 119.1                     | 126.5                     | 124.6                     | 116.4                     | 104.2                     | 112.0                     | 118.1                     | 125.7                     | 123.7                     | 117.4                     |
| Architectural and structural metals                                            | 3323        | 1.26                                  | 107.6                     | 108.2                     | 107.4                     | 110.3                     | 110.1                     | 110.1                     | 108.2                     | 110.1                     | 104.9                     | 106.8                     | 108.1                     | 109.5                     |
| Hardware                                                                       | 3325        | .14                                   | 111.4                     | 108.7                     | 109.6                     | 111.7                     | 116.1                     | 112.6                     | 109.8                     | 110.9                     | 111.6                     | 112.5                     | 114.2                     | 114.2                     |
| Spring and wire product                                                        | 3326        | .14                                   | 100.3                     | 99.5                      | 100.3                     | 101.5                     | 105.7                     | 102.6                     | 102.9                     | 102.6                     | 99.1                      | 101.2                     | 105.5                     | 102.0                     |
| Machine shops; turned product; and screw, nut, and bolt                        | 3327        | 1.17                                  | 96.7                      | 96.7                      | 97.1                      | 98.4                      | 99.3                      | 98.9                      | 97.0                      | 98.3                      | 97.0                      | 99.0                      | 99.6                      | 100.0                     |
| Coating, engraving, heat treating, and allied                                  | 3328        | .47                                   | 98.1                      | 99.3                      | 98.7                      | 103.3                     | 102.8                     | 100.9                     | 98.6                      | 100.8                     | 95.7                      | 101.3                     | 102.7                     | 101.4                     |
| Other fabricated metal product                                                 | 3329        | 1.26                                  | 97.7                      | 96.5                      | 97.0                      | 97.3                      | 96.8                      | 97.4                      | 98.4                      | 98.2                      | 96.4                      | 97.4                      | 97.1                      | 97.5                      |
| Ball and roller bearing                                                        | 332991      | .10                                   | 88.5                      | 88.3                      | 88.2                      | 88.1                      | 88.0                      | 87.9                      | 84.2                      | 91.1                      | 89.6                      | 90.6                      | 90.6                      | 88.3                      |
| <b>Machinery</b>                                                               | <b>333</b>  | 5.30                                  | 90.1                      | 91.1                      | 89.7                      | 89.3                      | 88.4                      | 90.4                      | 87.7                      | 85.1                      | 87.3                      | 90.7                      | 91.5                      | 94.3                      |
| Agriculture, construction, and mining machinery                                | 3331        | 1.06                                  | 76.7                      | 77.1                      | 72.3                      | 68.2                      | 66.2                      | 69.7                      | 72.6                      | 63.6                      | 66.2                      | 69.8                      | 70.4                      | 74.2                      |
| Agricultural implement                                                         | 33311       | .43                                   | 79.7                      | 78.5                      | 69.5                      | 63.5                      | 65.3                      | 71.9                      | 75.7                      | 61.0                      | 61.8                      | 65.6                      | 71.2                      | 75.6                      |
| Farm machinery and equipment                                                   | 333111      | .33                                   | 73.8                      | 71.8                      | 61.6                      | 55.4                      | 57.7                      | 65.6                      | 68.6                      | 50.7                      | 52.2                      | 56.7                      | 63.3                      | 68.4                      |
| Construction machinery                                                         | 33312       | .43                                   | 87.2                      | 88.3                      | 84.1                      | 78.5                      | 71.6                      | 73.0                      | 79.6                      | 68.2                      | 74.8                      | 79.7                      | 76.3                      | 81.4                      |
| Mining and oil and gas field machinery                                         | 33313       | .21                                   | 58.5                      | 60.3                      | 61.3                      | 62.0                      | 61.3                      | 63.1                      | 59.2                      | 62.2                      | 61.9                      | 63.3                      | 61.9                      | 63.2                      |
| Industrial machinery                                                           | 3332        | .52                                   | 101.6                     | 101.0                     | 105.0                     | 106.3                     | 106.0                     | 106.7                     | 100.6                     | 103.9                     | 103.3                     | 105.1                     | 104.6                     | 108.3                     |
| Commercial and service industry machinery and other                            | 3333,9      | 1.95                                  | 98.4                      | 99.3                      | 100.8                     | 100.4                     | 100.4                     | 101.7                     | 99.0                      | 100.4                     | 100.5                     | 100.1                     | 100.1                     | 101.7                     |
| HVAC, metalworking, and power transmission machinery                           | 3334-6      | 1.76                                  | 90.9                      | 93.0                      | 89.9                      | 92.1                      | 90.8                      | 92.7                      | 86.5                      | 83.0                      | 88.1                      | 95.6                      | 97.9                      | 100.9                     |
| Ventilation, heating, air-conditioning, and commercial refrigeration equipment | 3334        | .67                                   | 96.2                      | 102.7                     | 92.0                      | 97.1                      | 95.8                      | 98.0                      | 83.6                      | 78.6                      | 88.2                      | 104.7                     | 111.4                     | 117.6                     |
| Metalworking machinery                                                         | 3335        | .54                                   | 97.3                      | 96.6                      | 97.3                      | 98.6                      | 97.9                      | 98.8                      | 97.6                      | 97.8                      | 98.0                      | 98.7                      | 97.8                      | 99.3                      |
| Engine, turbine, and power transmission equipment                              | 3336        | .56                                   | 81.2                      | 81.3                      | 82.5                      | 82.5                      | 80.8                      | 83.2                      | 81.0                      | 76.0                      | 80.5                      | 84.5                      | 85.2                      | 86.1                      |

<sup>r</sup> Revised. <sup>p</sup> Preliminary.

1. The IP proportion data are estimates of the industries' relative contributions to overall IP growth in the following year.

**Table 1D**  
**INDUSTRIAL PRODUCTION: INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES**

| Item                                                         | NAICS       | 2017<br>IP<br>Proportion <sup>1</sup> | Index, 2012 = 100         |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |
|--------------------------------------------------------------|-------------|---------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
|                                                              |             |                                       | Seasonally adjusted       |                           |                           |                           |                           |                           | Not seasonally adjusted   |                           |                           |                           |                           |                           |
|                                                              |             |                                       | 2017<br>Nov. <sup>r</sup> | 2018<br>Dec. <sup>r</sup> | 2018<br>Jan. <sup>r</sup> | 2018<br>Feb. <sup>r</sup> | 2018<br>Mar. <sup>r</sup> | 2018<br>Apr. <sup>p</sup> | 2017<br>Nov. <sup>r</sup> | 2018<br>Dec. <sup>r</sup> | 2018<br>Jan. <sup>r</sup> | 2018<br>Feb. <sup>r</sup> | 2018<br>Mar. <sup>r</sup> | 2018<br>Apr. <sup>p</sup> |
| <b>Computer and electronic product</b>                       | <b>334</b>  | 4.88                                  | 115.8                     | 115.9                     | 116.6                     | 117.5                     | 118.1                     | 119.5                     | 117.8                     | 119.9                     | 114.9                     | 113.7                     | 118.5                     | 117.6                     |
| Computer and peripheral equipment                            | 3341        | .35                                   | 137.4                     | 141.5                     | 143.5                     | 140.7                     | 142.6                     | 146.1                     | 141.1                     | 147.2                     | 138.7                     | 132.4                     | 136.0                     | 143.0                     |
| Communications equipment                                     | 3342        | .51                                   | 123.9                     | 124.5                     | 125.0                     | 125.4                     | 126.0                     | 126.2                     | 135.3                     | 132.1                     | 119.6                     | 113.2                     | 116.8                     | 121.2                     |
| Audio and video equipment                                    | 3343        | .04                                   | 106.1                     | 89.4                      | 82.2                      | 96.1                      | 88.4                      | 81.2                      | 109.8                     | 92.4                      | 80.7                      | 94.4                      | 90.8                      | 84.2                      |
| Semiconductor and other electronic component                 | 3344        | 1.21                                  | 152.9                     | 155.0                     | 153.6                     | 154.9                     | 155.4                     | 156.1                     | 152.9                     | 163.3                     | 146.4                     | 145.2                     | 162.7                     | 150.8                     |
| Navigational, measuring, electromedical and control          | 3345        | 2.73                                  | 94.4                      | 93.9                      | 95.3                      | 96.1                      | 96.8                      | 98.5                      | 95.1                      | 95.8                      | 96.0                      | 95.7                      | 97.2                      | 98.0                      |
| <b>Electrical equipment, appliance, and component</b>        | <b>335</b>  | 1.82                                  | 101.8                     | 100.6                     | 102.0                     | 102.7                     | 101.0                     | 102.6                     | 103.5                     | 100.4                     | 101.5                     | 102.5                     | 102.1                     | 102.9                     |
| Household appliance                                          | 3352        | .31                                   | 118.9                     | 117.0                     | 118.7                     | 121.5                     | 114.2                     | 115.2                     | 121.8                     | 103.1                     | 112.8                     | 123.2                     | 122.0                     | 122.7                     |
| Small electrical appliance                                   | 33521       | .06                                   | 118.7                     | 115.6                     | 118.6                     | 118.3                     | 118.7                     | 117.9                     | 119.3                     | 119.7                     | 121.2                     | 121.2                     | 120.7                     | 119.6                     |
| Major appliance                                              | 33522       | .25                                   | 118.9                     | 117.2                     | 118.6                     | 122.1                     | 113.1                     | 114.6                     | 122.3                     | 99.4                      | 110.9                     | 123.6                     | 122.3                     | 123.4                     |
| Electrical equipment except appliances                       | 3351.3-9    | 1.51                                  | 98.8                      | 97.8                      | 99.2                      | 99.5                      | 98.8                      | 100.4                     | 100.3                     | 100.0                     | 99.6                      | 98.9                      | 98.6                      | 99.5                      |
| Electric lighting equipment                                  | 3351        | .22                                   | 107.7                     | 107.9                     | 109.8                     | 111.2                     | 112.3                     | 113.0                     | 107.8                     | 109.7                     | 109.4                     | 110.1                     | 112.5                     | 113.0                     |
| Electrical equipment                                         | 3353        | .47                                   | 85.1                      | 81.9                      | 84.6                      | 84.5                      | 82.7                      | 85.2                      | 86.7                      | 84.6                      | 84.3                      | 82.8                      | 82.2                      | 84.6                      |
| Other electrical equipment and component                     | 3359        | .81                                   | 106.7                     | 107.0                     | 107.3                     | 107.6                     | 107.2                     | 108.5                     | 108.6                     | 109.0                     | 108.4                     | 108.0                     | 107.2                     | 107.0                     |
| Battery                                                      | 33591       | .17                                   | 107.8                     | 106.7                     | 108.5                     | 106.9                     | 105.5                     | 106.1                     | 110.8                     | 108.5                     | 112.7                     | 108.1                     | 105.6                     | 101.3                     |
| Communication and energy wire and cable                      | 33592       | .18                                   | 111.1                     | 112.2                     | 111.3                     | 112.2                     | 111.9                     | 114.0                     | 111.6                     | 114.1                     | 113.1                     | 114.1                     | 113.8                     | 113.4                     |
| Other electrical equipment                                   | 33593,9     | .47                                   | 104.8                     | 105.2                     | 105.5                     | 106.3                     | 106.1                     | 107.4                     | 106.7                     | 107.3                     | 105.2                     | 105.9                     | 105.5                     | 106.7                     |
| <b>Transportation equipment</b>                              | <b>336</b>  | 9.94                                  | 110.9                     | 110.9                     | 110.0                     | 112.5                     | 114.3                     | 114.1                     | 111.0                     | 104.5                     | 107.2                     | 115.9                     | 118.2                     | 117.1                     |
| Motor vehicle                                                | 3361        | 2.72                                  | 120.4                     | 121.6                     | 121.4                     | 128.0                     | 133.7                     | 131.0                     | 119.2                     | 104.0                     | 114.2                     | 137.9                     | 140.6                     | 139.3                     |
| Automobile and light duty motor vehicle                      | 33611       | 2.48                                  | 122.3                     | 124.5                     | 123.1                     | 130.7                     | 136.6                     | 133.9                     | 121.7                     | 106.3                     | 116.3                     | 141.2                     | 143.8                     | 141.9                     |
| Automobile                                                   | 336111      | .61                                   | 80.4                      | 79.2                      | 76.1                      | 87.6                      | 93.0                      | 94.3                      | 81.7                      | 67.2                      | 72.2                      | 93.6                      | 95.6                      | 98.6                      |
| Light truck and utility vehicle                              | 336112      | 1.87                                  | 145.8                     | 149.8                     | 149.2                     | 154.9                     | 161.1                     | 156.2                     | 144.1                     | 128.0                     | 140.8                     | 167.8                     | 170.7                     | 166.2                     |
| Heavy duty truck                                             | 33612       | .24                                   | 100.7                     | 94.4                      | 103.7                     | 102.0                     | 105.9                     | 103.2                     | 94.8                      | 82.3                      | 93.9                      | 106.8                     | 110.5                     | 114.0                     |
| Motor vehicle body and trailer                               | 3362        | .46                                   | 136.8                     | 135.6                     | 135.9                     | 133.5                     | 135.1                     | 133.7                     | 128.3                     | 120.5                     | 125.6                     | 141.8                     | 148.8                     | 147.6                     |
| Truck trailer                                                | 336212      | .08                                   | 115.4                     | 113.9                     | 113.8                     | 123.0                     | 123.4                     | 121.5                     | 107.6                     | 95.4                      | 102.3                     | 122.0                     | 132.9                     | 126.6                     |
| Motor home                                                   | 336213      | .04                                   | 235.4                     | 240.4                     | 234.8                     | 221.4                     | 229.6                     |                           | 211.8                     | 207.4                     | 235.4                     | 254.1                     | 244.5                     |                           |
| Travel trailer and camper                                    | 336214      | .20                                   | 161.0                     | 157.5                     | 154.8                     | 144.6                     | 145.3                     | 143.1                     | 144.8                     | 129.6                     | 137.0                     | 162.6                     | 172.5                     | 173.4                     |
| Motor vehicle parts                                          | 3363        | 2.44                                  | 125.6                     | 126.5                     | 125.4                     | 129.7                     | 131.4                     | 130.7                     | 127.9                     | 117.6                     | 122.4                     | 132.9                     | 135.5                     | 130.8                     |
| Aerospace product and parts                                  | 3364        | 3.39                                  | 97.9                      | 96.8                      | 95.6                      | 94.9                      | 95.0                      | 96.7                      | 99.2                      | 98.5                      | 95.5                      | 94.8                      | 95.1                      | 96.1                      |
| Aircraft and parts                                           | 336411-3    | 2.89                                  | 97.5                      | 96.3                      | 95.5                      | 94.8                      | 94.8                      | 96.3                      | 98.7                      | 98.1                      | 95.3                      | 94.7                      | 94.8                      | 95.9                      |
| Railroad eq., ships and boats, and other                     | 3365-9      | .93                                   | 97.6                      | 97.5                      | 96.7                      | 98.8                      | 97.7                      | 98.4                      | 95.3                      | 96.3                      | 97.4                      | 97.9                      | 104.2                     | 103.0                     |
| Railroad rolling stock                                       | 3365        | .10                                   | 78.4                      | 81.1                      | 78.4                      | 78.2                      | 77.8                      | 78.5                      | 80.0                      | 83.1                      | 77.3                      | 76.9                      | 77.6                      | 77.1                      |
| Ship and boat building                                       | 3366        | .60                                   | 101.0                     | 99.2                      | 99.8                      | 103.0                     | 101.5                     | 101.6                     | 97.0                      | 95.9                      | 100.5                     | 102.0                     | 112.0                     | 109.6                     |
| Other transportation equipment                               | 3369        | .22                                   | 97.5                      | 100.6                     | 96.9                      | 97.4                      | 96.9                      | 99.4                      | 97.1                      | 102.6                     | 98.3                      | 96.4                      | 95.3                      | 97.5                      |
| <b>Furniture and related product</b>                         | <b>337</b>  | 1.19                                  | 103.9                     | 103.9                     | 103.1                     | 103.8                     | 103.0                     | 103.4                     | 105.0                     | 107.2                     | 96.4                      | 103.1                     | 102.4                     | 99.6                      |
| Household and institutional furniture and kitchen            | 3371        | .63                                   | 111.3                     | 111.8                     | 111.5                     | 112.9                     | 111.9                     | 111.5                     | 111.2                     | 112.6                     | 109.3                     | 110.8                     | 112.0                     | 111.1                     |
| Office and other furniture                                   | 3372,9      | .56                                   | 96.9                      | 96.4                      | 95.2                      | 95.0                      | 94.6                      | 95.8                      | 98.9                      | 102.0                     | 83.8                      | 95.6                      | 93.1                      | 88.5                      |
| <b>Miscellaneous</b>                                         | <b>339</b>  | 2.74                                  | 95.6                      | 94.7                      | 93.6                      | 95.5                      | 95.1                      | 95.4                      | 96.6                      | 97.2                      | 92.8                      | 94.4                      | 95.2                      | 95.5                      |
| Medical equipment and supplies                               | 3391        | 1.67                                  | 93.3                      | 92.3                      | 90.6                      | 92.1                      | 91.5                      | 92.5                      | 93.7                      | 94.4                      | 90.6                      | 91.7                      | 91.8                      | 92.3                      |
| <b>Logging</b>                                               | <b>1133</b> | .16                                   | 103.8                     | 104.9                     | 103.5                     | 107.5                     | 104.1                     | 107.2                     | 105.9                     | 104.3                     | 98.0                      | 103.7                     | 97.7                      | 97.7                      |
| <b>Newspaper, periodical, book, and directory publishers</b> | <b>5111</b> | 1.91                                  | 78.4                      | 76.2                      | 75.3                      | 76.3                      | 77.0                      | 77.5                      | 79.7                      | 76.7                      | 70.3                      | 67.7                      | 68.6                      | 72.6                      |
| Newspaper publishers                                         | 51111       | .52                                   | 65.2                      | 65.9                      | 66.1                      | 66.3                      | 65.2                      | 64.5                      | 68.0                      | 65.0                      | 63.2                      | 65.9                      | 65.4                      | 66.5                      |
| Periodical, book, and other publishers                       | 51112-9     | 1.40                                  | 84.3                      | 80.8                      | 79.4                      | 80.8                      | 82.2                      | 83.4                      | 84.9                      | 81.9                      | 73.5                      | 68.5                      | 70.1                      | 75.4                      |
| STAGE-OF-PROCESS GROUPS (CAPACITY <sup>2</sup> )             |             |                                       |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |
| Crude                                                        |             | 18.64                                 | 111.4                     | 111.8                     | 110.1                     | 112.5                     | 113.7                     | 114.6                     | 112.7                     | 111.9                     | 110.0                     | 112.6                     | 113.7                     | 114.1                     |
| Primary and semifinished                                     |             | 44.13                                 | 104.8                     | 105.5                     | 105.4                     | 104.2                     | 105.6                     | 106.3                     | 102.9                     | 106.0                     | 107.2                     | 104.1                     | 105.2                     | 102.8                     |
| Finished                                                     |             | 37.23                                 | 101.4                     | 101.4                     | 101.2                     | 102.6                     | 102.5                     | 103.3                     | 101.5                     | 99.8                      | 99.0                      | 102.0                     | 103.4                     | 103.7                     |

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1. The IP proportion data are estimates of the industries' relative contributions to overall IP growth in the following year.

2. Industrial production aggregates consistent with the stage-of-process capacity groups.

**Table 1E**  
**INDUSTRIAL PRODUCTION: MARKET GROUP SUMMARY**

| Item                                                 | NAICS | 2017<br>IP<br>Proportion <sup>1</sup> | Index, 2012 = 100         |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |                           |
|------------------------------------------------------|-------|---------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
|                                                      |       |                                       | Seasonally adjusted       |                           |                           |                           |                           |                           | Not seasonally adjusted   |                           |                           |                           |                           |                           |
|                                                      |       |                                       | 2017<br>Nov. <sup>r</sup> | 2017<br>Dec. <sup>r</sup> | 2018<br>Jan. <sup>r</sup> | 2018<br>Feb. <sup>r</sup> | 2018<br>Mar. <sup>r</sup> | 2018<br>Apr. <sup>p</sup> | 2017<br>Nov. <sup>r</sup> | 2017<br>Dec. <sup>r</sup> | 2018<br>Jan. <sup>r</sup> | 2018<br>Feb. <sup>r</sup> | 2018<br>Mar. <sup>r</sup> | 2018<br>Apr. <sup>p</sup> |
| <b>Total index</b>                                   |       | 100.00                                | 105.3                     | 105.7                     | 105.3                     | 105.7                     | 106.5                     | 107.3                     | 104.8                     | 105.3                     | 105.2                     | 105.5                     | 106.7                     | 105.9                     |
| <b>Products and nonindustrial supplies</b>           |       | 54.36                                 | 102.4                     | 102.7                     | 102.6                     | 102.8                     | 103.4                     | 104.3                     | 102.0                     | 103.0                     | 103.0                     | 102.5                     | 103.8                     | 102.7                     |
| <b>Final products</b>                                |       | 40.26                                 | 101.2                     | 101.4                     | 101.6                     | 101.5                     | 102.3                     | 103.4                     | 100.7                     | 101.9                     | 102.9                     | 102.4                     | 103.4                     | 101.9                     |
| <b>Consumer goods</b>                                |       | 28.03                                 | 104.6                     | 105.1                     | 105.4                     | 105.0                     | 106.1                     | 107.1                     | 103.6                     | 106.3                     | 108.1                     | 106.4                     | 107.5                     | 104.7                     |
| <b>Durable</b>                                       |       | 6.35                                  | 117.8                     | 118.4                     | 117.7                     | 121.0                     | 122.2                     | 121.4                     | 116.9                     | 111.5                     | 114.2                     | 123.4                     | 126.4                     | 126.0                     |
| Automotive products                                  |       | 3.31                                  | 130.1                     | 131.9                     | 130.1                     | 134.6                     | 138.0                     | 136.5                     | 127.7                     | 117.7                     | 125.3                     | 141.9                     | 146.4                     | 144.8                     |
| Autos and trucks, consumer                           |       | 1.88                                  | 126.3                     | 128.5                     | 126.9                     | 134.6                     | 140.6                     | 137.7                     | 125.6                     | 109.6                     | 119.9                     | 145.4                     | 148.0                     | 145.9                     |
| Auto parts and allied goods                          |       | 1.43                                  | 135.3                     | 136.5                     | 134.3                     | 134.6                     | 134.8                     | 135.1                     | 130.5                     | 128.5                     | 132.6                     | 137.4                     | 144.5                     | 143.4                     |
| Other goods                                          |       | 3.04                                  | 107.0                     | 106.5                     | 106.8                     | 109.1                     | 108.2                     | 108.1                     | 107.3                     | 106.0                     | 104.4                     | 107.1                     | 108.7                     | 109.4                     |
| Home electronics                                     |       | .14                                   | 118.8                     | 115.0                     | 113.5                     | 117.2                     | 115.4                     | 114.4                     | 121.4                     | 118.0                     | 110.7                     | 112.9                     | 113.6                     | 113.5                     |
| Appliances, furniture, and carpeting                 |       | .88                                   | 108.3                     | 108.0                     | 107.6                     | 109.3                     | 106.3                     | 107.0                     | 106.3                     | 102.6                     | 106.1                     | 109.9                     | 110.4                     | 111.5                     |
| Household appliances                                 |       | .23                                   | 117.6                     | 115.9                     | 116.5                     | 121.8                     | 112.2                     | 115.9                     | 115.1                     | 96.9                      | 115.0                     | 129.1                     | 127.7                     | 134.7                     |
| Carpeting and furniture                              |       | .65                                   | 105.2                     | 105.3                     | 104.6                     | 105.2                     | 104.4                     | 104.1                     | 103.4                     | 104.4                     | 103.1                     | 103.6                     | 104.7                     | 103.9                     |
| Miscellaneous goods                                  |       | 2.02                                  | 105.6                     | 105.2                     | 106.0                     | 108.4                     | 108.5                     | 108.0                     | 106.8                     | 106.6                     | 103.2                     | 105.5                     | 107.6                     | 108.2                     |
| <b>Nondurable</b>                                    |       | 21.68                                 | 101.2                     | 101.7                     | 102.2                     | 101.0                     | 102.0                     | 103.5                     | 100.3                     | 104.9                     | 106.6                     | 102.1                     | 102.8                     | 99.3                      |
| Non-energy                                           |       | 16.70                                 | 99.3                      | 99.4                      | 99.1                      | 100.9                     | 100.3                     | 101.2                     | 99.0                      | 98.1                      | 96.3                      | 98.0                      | 99.4                      | 99.7                      |
| Foods and tobacco                                    |       | 9.65                                  | 106.9                     | 107.1                     | 107.2                     | 109.5                     | 108.3                     | 109.0                     | 106.9                     | 103.9                     | 102.9                     | 106.8                     | 107.7                     | 107.4                     |
| Clothing                                             |       | .20                                   | 71.1                      | 72.5                      | 72.9                      | 73.7                      | 73.5                      | 74.6                      | 72.3                      | 74.4                      | 72.0                      | 74.4                      | 73.9                      | 74.8                      |
| Chemical products                                    |       | 5.29                                  | 91.4                      | 91.9                      | 91.4                      | 92.3                      | 92.5                      | 93.4                      | 90.7                      | 92.7                      | 91.3                      | 90.8                      | 93.4                      | 93.7                      |
| Paper products                                       |       | 1.12                                  | 85.9                      | 82.4                      | 81.3                      | 83.2                      | 83.9                      | 85.0                      | 85.2                      | 83.0                      | 76.0                      | 71.6                      | 71.8                      | 76.2                      |
| Miscellaneous goods                                  |       | .44                                   | 95.8                      | 95.2                      | 94.3                      | 96.0                      | 95.0                      | 95.9                      | 96.4                      | 97.4                      | 93.7                      | 94.8                      | 95.1                      | 95.7                      |
| Energy                                               |       | 4.98                                  | 107.1                     | 109.2                     | 112.3                     | 100.7                     | 107.2                     | 110.7                     | 103.1                     | 127.4                     | 141.0                     | 115.2                     | 113.5                     | 97.3                      |
| Fuels                                                |       | 2.16                                  | 109.7                     | 108.6                     | 109.5                     | 107.3                     | 107.8                     | 109.2                     | 111.4                     | 111.0                     | 104.4                     | 103.4                     | 105.9                     | 108.7                     |
| Residential utilities                                |       | 2.82                                  | 105.7                     | 110.1                     | 114.8                     | 96.1                      | 107.2                     | 112.3                     | 98.6                      | 141.3                     | 170.1                     | 125.3                     | 120.4                     | 89.1                      |
| <b>Equipment, total</b>                              |       | 12.23                                 | 94.6                      | 94.3                      | 94.3                      | 94.8                      | 95.0                      | 96.3                      | 95.1                      | 93.4                      | 92.6                      | 94.7                      | 95.4                      | 96.7                      |
| Business equipment                                   |       | 9.51                                  | 98.8                      | 98.5                      | 98.5                      | 98.5                      | 98.6                      | 99.8                      | 99.1                      | 96.9                      | 96.0                      | 98.6                      | 99.3                      | 100.6                     |
| Transit                                              |       | 2.46                                  | 110.7                     | 109.2                     | 109.4                     | 110.6                     | 112.3                     | 112.1                     | 110.3                     | 104.2                     | 106.1                     | 113.4                     | 114.8                     | 115.2                     |
| Business vehicles                                    |       | .84                                   | 108.7                     | 108.0                     | 110.3                     | 114.8                     | 119.8                     | 117.5                     | 106.4                     | 92.7                      | 102.9                     | 122.8                     | 125.8                     | 126.1                     |
| Business light vehicles                              |       | .60                                   | 111.5                     | 113.7                     | 112.5                     | 119.9                     | 125.6                     | 123.4                     | 111.0                     | 97.0                      | 106.3                     | 129.5                     | 132.1                     | 130.7                     |
| Autos                                                |       | .16                                   | 75.3                      | 74.2                      | 71.3                      | 82.1                      | 87.1                      | 88.3                      | 76.6                      | 63.0                      | 67.7                      | 87.7                      | 89.6                      | 92.4                      |
| Trucks                                               |       | .44                                   | 133.0                     | 137.0                     | 136.9                     | 142.5                     | 148.6                     | 144.5                     | 131.5                     | 117.2                     | 129.2                     | 154.4                     | 157.4                     | 153.7                     |
| Information processing                               |       | 2.13                                  | 103.8                     | 103.5                     | 105.1                     | 105.8                     | 106.4                     | 108.0                     | 106.3                     | 106.7                     | 104.7                     | 103.2                     | 105.1                     | 106.8                     |
| Industrial and other                                 |       | 4.92                                  | 92.0                      | 92.1                      | 91.4                      | 90.7                      | 89.9                      | 91.6                      | 91.7                      | 90.0                      | 88.4                      | 90.6                      | 90.6                      | 92.3                      |
| Industrial equipment                                 |       | 2.90                                  | 90.4                      | 90.7                      | 91.3                      | 90.4                      | 89.2                      | 90.6                      | 89.6                      | 89.1                      | 89.7                      | 90.4                      | 89.7                      | 92.1                      |
| Other equipment                                      |       | 2.02                                  | 94.7                      | 94.3                      | 91.6                      | 91.3                      | 91.1                      | 93.1                      | 94.9                      | 91.4                      | 86.7                      | 91.1                      | 92.2                      | 92.6                      |
| Oil and gas well drilling<br>and manufactured homes  |       | .60                                   | 69.7                      | 70.4                      | 71.5                      | 75.8                      | 77.7                      | 79.8                      | 71.7                      | 71.4                      | 72.5                      | 75.4                      | 75.8                      | 78.0                      |
| Defense and space equipment                          |       | 2.12                                  | 87.7                      | 87.1                      | 87.1                      | 87.8                      | 88.1                      | 89.4                      | 88.9                      | 88.9                      | 87.4                      | 87.5                      | 88.0                      | 88.8                      |
| <b>Nonindustrial supplies</b>                        |       | 14.11                                 | 106.0                     | 106.6                     | 105.7                     | 106.4                     | 106.5                     | 106.9                     | 105.8                     | 106.3                     | 103.1                     | 102.8                     | 105.0                     | 105.1                     |
| Construction supplies                                |       | 5.12                                  | 111.9                     | 112.9                     | 111.1                     | 114.4                     | 113.3                     | 113.6                     | 111.8                     | 108.9                     | 102.5                     | 106.6                     | 109.4                     | 113.2                     |
| Business supplies                                    |       | 8.98                                  | 103.1                     | 103.5                     | 103.0                     | 102.5                     | 103.1                     | 103.5                     | 102.8                     | 105.2                     | 103.6                     | 101.0                     | 102.9                     | 101.0                     |
| Non-energy business supplies                         |       | 6.62                                  | 101.4                     | 100.9                     | 99.9                      | 101.1                     | 100.7                     | 101.1                     | 102.2                     | 101.8                     | 98.1                      | 98.9                      | 100.3                     | 100.9                     |
| Commercial energy products                           |       | 2.37                                  | 108.4                     | 111.4                     | 112.5                     | 106.7                     | 110.6                     | 111.1                     | 104.7                     | 115.3                     | 120.3                     | 107.4                     | 110.8                     | 101.9                     |
| <b>Materials</b>                                     |       | 45.64                                 | 108.3                     | 108.9                     | 108.1                     | 108.9                     | 109.9                     | 110.5                     | 107.7                     | 107.6                     | 107.5                     | 108.6                     | 109.6                     | 109.2                     |
| Non-energy                                           |       | 27.58                                 | 103.8                     | 103.5                     | 102.2                     | 103.8                     | 104.0                     | 104.3                     | 103.8                     | 102.0                     | 100.7                     | 103.2                     | 104.7                     | 104.8                     |
| Durable                                              |       | 16.31                                 | 105.0                     | 104.7                     | 104.1                     | 106.0                     | 105.9                     | 106.2                     | 104.9                     | 102.5                     | 101.9                     | 105.3                     | 106.7                     | 107.1                     |
| Consumer parts                                       |       | 2.99                                  | 109.6                     | 110.7                     | 108.5                     | 113.2                     | 114.3                     | 113.7                     | 109.1                     | 100.2                     | 107.7                     | 118.2                     | 119.7                     | 118.4                     |
| Equipment parts                                      |       | 4.79                                  | 103.4                     | 103.4                     | 103.5                     | 103.8                     | 103.3                     | 104.8                     | 104.0                     | 104.8                     | 102.0                     | 102.5                     | 105.1                     | 104.4                     |
| Computer and other<br>board assemblies and parts     |       | .20                                   | 105.7                     | 111.6                     | 111.6                     | 112.6                     | 115.1                     | 118.3                     | 104.3                     | 118.2                     | 102.5                     | 105.3                     | 123.1                     | 117.5                     |
| Semiconductors, printed<br>circuit boards, and other |       | .79                                   | 156.1                     | 157.2                     | 155.9                     | 157.2                     | 157.1                     | 157.4                     | 156.8                     | 164.8                     | 150.1                     | 148.1                     | 162.5                     | 151.6                     |
| Other equipment parts                                |       | 3.80                                  | 92.5                      | 92.2                      | 92.4                      | 92.5                      | 91.9                      | 93.4                      | 93.1                      | 92.5                      | 91.9                      | 92.6                      | 92.9                      | 93.7                      |
| Other                                                |       | 8.53                                  | 104.4                     | 103.3                     | 102.9                     | 104.8                     | 104.4                     | 104.5                     | 104.0                     | 101.9                     | 99.9                      | 102.6                     | 103.3                     | 104.8                     |
| Basic metals                                         |       | 2.75                                  | 96.0                      | 93.9                      | 94.1                      | 94.5                      | 94.5                      | 94.9                      | 94.5                      | 91.9                      | 93.1                      | 95.7                      | 94.6                      | 95.5                      |
| Miscellaneous materials                              |       | 5.78                                  | 108.7                     | 108.2                     | 107.4                     | 110.1                     | 109.6                     | 109.4                     | 109.0                     | 107.1                     | 103.4                     | 106.1                     | 107.8                     | 109.6                     |
| Nondurable                                           |       | 11.27                                 | 101.9                     | 101.6                     | 99.4                      | 100.5                     | 101.3                     | 101.5                     | 102.0                     | 101.0                     | 98.9                      | 100.1                     | 101.7                     | 101.4                     |
| Textile                                              |       | .35                                   | 90.8                      | 92.8                      | 93.6                      | 95.8                      | 93.3                      | 94.4                      | 91.8                      | 93.9                      | 91.5                      | 94.4                      | 93.3                      | 95.2                      |
| Paper                                                |       | 1.88                                  | 93.0                      | 93.7                      | 92.0                      | 93.0                      | 92.6                      | 92.9                      | 93.3                      | 93.9                      | 91.8                      | 93.0                      | 92.3                      | 92.1                      |
| Chemical                                             |       | 5.78                                  | 101.9                     | 100.7                     | 97.8                      | 98.0                      | 100.6                     | 100.6                     | 101.3                     | 100.1                     | 97.6                      | 97.8                      | 100.7                     | 100.5                     |
| Other materials                                      |       | 3.26                                  | 108.8                     | 109.5                     | 107.7                     | 110.7                     | 109.0                     | 109.3                     | 110.1                     | 108.0                     | 106.5                     | 109.7                     | 110.3                     | 109.8                     |
| Containers                                           |       | 1.06                                  | 106.2                     | 106.4                     | 104.5                     | 105.6                     | 104.1                     | 103.6                     | 104.5                     | 99.2                      | 100.1                     | 103.3                     | 104.2                     | 104.2                     |
| Miscellaneous materials                              |       | 2.20                                  | 110.1                     | 111.0                     | 109.3                     | 113.2                     | 111.4                     | 112.2                     | 112.9                     | 112.4                     | 109.6                     | 112.8                     | 113.4                     | 112.6                     |
| Energy                                               |       | 18.05                                 | 113.3                     | 115.2                     | 115.2                     | 114.8                     | 117.0                     | 118.1                     | 111.8                     | 114.6                     | 116.1                     | 115.0                     | 115.3                     | 113.9                     |
| Primary energy                                       |       | 13.42                                 | 117.3                     | 118.2                     | 117.7                     | 120.5                     | 121.6                     | 122.9                     | 118.0                     | 118.8                     | 118.7                     | 121.6                     | 121.8                     | 122.0                     |
| Converted fuel                                       |       | 4.63                                  | 98.7                      | 103.0                     | 104.4                     | 95.6                      | 100.6                     | 101.3                     | 91.7                      | 99.4                      | 105.1                     | 93.7                      | 94.3                      | 89.0                      |

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1. The IP proportion data are estimates of the industries' relative contributions to overall IP growth in the following year.



**Table 2**  
**CAPACITY UTILIZATION: MANUFACTURING, MINING, AND UTILITIES**  
Percent of capacity, seasonally adjusted

| Item                                                             | NAICS            | 2017<br>Proportion | 1972-<br>2017<br>Ave. | 1982<br>Low | 1988-<br>1989<br>High | 1990-<br>1991<br>Low | 1994-<br>1995<br>High | 2009<br>Low | 2017<br>Apr. | 2017<br>Nov. <sup>r</sup> | 2017<br>Dec. <sup>r</sup> | 2018<br>Jan. <sup>r</sup> | 2018<br>Feb. <sup>r</sup> | 2018<br>Mar. <sup>r</sup> | 2018<br>Apr. <sup>p</sup> |
|------------------------------------------------------------------|------------------|--------------------|-----------------------|-------------|-----------------------|----------------------|-----------------------|-------------|--------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| <b>Total industry</b>                                            |                  | 100.00             | 79.8                  | 70.8        | 85.2                  | 78.8                 | 85.0                  | 66.7        | 76.2         | 77.1                      | 77.3                      | 76.9                      | 77.1                      | 77.6                      | 78.0                      |
| STAGE-OF-PROCESS GROUPS                                          |                  |                    |                       |             |                       |                      |                       |             |              |                           |                           |                           |                           |                           |                           |
| Crude                                                            |                  | 16.40              | 86.0                  | 78.2        | 87.8                  | 84.7                 | 90.0                  | 76.4        | 83.4         | 86.7                      | 86.9                      | 85.4                      | 87.1                      | 87.7                      | 88.2                      |
| Primary and semifinished                                         |                  | 44.89              | 80.4                  | 68.1        | 86.5                  | 78.1                 | 87.7                  | 63.8        | 75.0         | 75.9                      | 76.3                      | 76.2                      | 75.3                      | 76.2                      | 76.6                      |
| Finished                                                         |                  | 38.71              | 76.9                  | 70.7        | 83.4                  | 77.3                 | 80.7                  | 66.6        | 74.6         | 74.3                      | 74.3                      | 74.1                      | 75.0                      | 74.8                      | 75.3                      |
| INDUSTRY GROUPS                                                  |                  |                    |                       |             |                       |                      |                       |             |              |                           |                           |                           |                           |                           |                           |
| <b>Manufacturing</b>                                             |                  | 77.37              | 78.3                  | 68.5        | 85.6                  | 77.3                 | 84.6                  | 63.7        | 75.1         | 75.3                      | 75.1                      | 74.6                      | 75.6                      | 75.5                      | 75.8                      |
| <b>Manufacturing (NAICS)</b>                                     | <b>31-33</b>     | 74.76              | 78.2                  | 67.9        | 85.6                  | 77.2                 | 84.7                  | 63.5        | 75.6         | 75.8                      | 75.7                      | 75.2                      | 76.1                      | 76.0                      | 76.3                      |
| <b>Durable manufacturing</b>                                     |                  | 39.10              | 76.9                  | 63.0        | 84.8                  | 73.9                 | 83.8                  | 58.3        | 74.9         | 74.6                      | 74.5                      | 74.1                      | 75.2                      | 75.3                      | 75.5                      |
| Wood products                                                    | 321              | 1.39               | 76.5                  | 59.6        | 86.4                  | 72.1                 | 86.6                  | 47.7        | 76.9         | 79.0                      | 78.4                      | 78.4                      | 79.8                      | 79.3                      | 78.2                      |
| Nonmetallic mineral products                                     | 327              | 2.60               | 73.8                  | 64.2        | 83.2                  | 71.4                 | 82.4                  | 45.6        | 64.7         | 65.5                      | 66.1                      | 64.7                      | 67.6                      | 66.7                      | 67.0                      |
| Primary metals                                                   | 331              | 2.93               | 78.3                  | 48.3        | 94.4                  | 75.8                 | 94.1                  | 49.7        | 68.4         | 69.5                      | 68.4                      | 68.3                      | 69.5                      | 69.9                      | 69.6                      |
| Iron and steel products                                          | 3311,2           | 1.30               | 79.8                  | 38.0        | 97.9                  | 71.1                 | 97.9                  | 40.3        | 73.7         | 76.8                      | 74.9                      | 73.9                      | 76.5                      | 78.4                      | 76.7                      |
| Fabricated metal products                                        | 332              | 5.42               | 77.5                  | 61.6        | 81.7                  | 72.5                 | 84.9                  | 61.9        | 76.8         | 78.7                      | 78.8                      | 79.2                      | 80.7                      | 80.7                      | 80.2                      |
| Machinery                                                        | 333              | 5.64               | 77.5                  | 57.7        | 85.5                  | 73.8                 | 87.2                  | 59.0        | 72.8         | 75.2                      | 76.1                      | 75.0                      | 74.8                      | 74.0                      | 75.8                      |
| Computer and electronic products                                 | 334              | 5.47               | 77.5                  | 78.0        | 82.1                  | 77.6                 | 84.4                  | 70.3        | 71.0         | 70.8                      | 70.6                      | 70.9                      | 71.3                      | 71.5                      | 72.1                      |
| Computer and peripheral equip.                                   | 3341             | .30                | 78.0                  | 66.7        | 79.3                  | 69.4                 | 88.0                  | 83.0        | 93.0         | 93.4                      | 95.1                      | 95.5                      | 92.7                      | 92.9                      | 94.2                      |
| Communications equipment                                         | 3342             | .63                | 76.4                  | 84.5        | 85.4                  | 77.1                 | 86.0                  | 77.2        | 64.1         | 65.3                      | 65.3                      | 65.2                      | 65.2                      | 65.2                      | 65.0                      |
| Semiconductor and related electronic components                  | 3344             | 1.39               | 78.6                  | 78.1        | 82.6                  | 78.4                 | 91.8                  | 62.9        | 71.3         | 72.7                      | 73.8                      | 73.0                      | 73.6                      | 73.8                      | 74.0                      |
| Electrical equipment, appliances, and components                 | 335              | 1.82               | 82.2                  | 64.6        | 89.3                  | 77.3                 | 92.7                  | 66.8        | 77.9         | 76.1                      | 75.1                      | 76.1                      | 76.5                      | 75.1                      | 76.1                      |
| Transportation equipment                                         | 336              | 9.95               | 74.8                  | 55.8        | 87.4                  | 68.1                 | 79.4                  | 50.0        | 79.0         | 76.3                      | 76.2                      | 75.5                      | 77.2                      | 78.3                      | 78.2                      |
| Motor vehicles and parts                                         | 3361-3           | 5.59               | 75.2                  | 44.2        | 91.0                  | 56.8                 | 87.7                  | 33.7        | 80.2         | 76.9                      | 77.2                      | 76.7                      | 79.6                      | 81.7                      | 80.5                      |
| Autos and light trucks                                           | 33611            | 2.42               | 76.5                  | 39.7        | 93.8                  | 53.1                 | 89.3                  | 26.5        | 83.8         | 76.1                      | 77.4                      | 76.3                      | 81.0                      | 84.6                      | 82.9                      |
| Aerospace and miscellaneous transportation equipment             | 3364-9           | 4.36               | 74.2                  | 68.3        | 89.0                  | 81.9                 | 70.4                  | 73.0        | 77.4         | 75.4                      | 74.7                      | 73.9                      | 73.9                      | 73.8                      | 74.9                      |
| Furniture and related products                                   | 337              | 1.20               | 76.7                  | 64.8        | 82.2                  | 68.7                 | 82.7                  | 55.8        | 77.5         | 75.8                      | 75.7                      | 75.0                      | 75.3                      | 74.7                      | 74.8                      |
| Miscellaneous                                                    | 339              | 2.67               | 76.6                  | 69.0        | 82.6                  | 77.4                 | 81.3                  | 68.4        | 81.3         | 77.6                      | 76.8                      | 75.8                      | 77.2                      | 76.8                      | 76.9                      |
| <b>Nondurable manufacturing</b>                                  |                  | 35.66              | 80.1                  | 75.3        | 86.8                  | 81.4                 | 86.0                  | 69.0        | 76.4         | 77.1                      | 76.9                      | 76.2                      | 77.1                      | 76.9                      | 77.2                      |
| Food                                                             | 311              | 8.46               | 82.2                  | 79.6        | 86.2                  | 83.1                 | 86.4                  | 77.9        | 81.4         | 81.8                      | 82.1                      | 81.9                      | 83.8                      | 82.4                      | 82.9                      |
| Beverage and tobacco products                                    | 312              | 3.34               | 76.2                  | 78.6        | 87.0                  | 75.2                 | 85.1                  | 66.1        | 64.4         | 63.5                      | 63.0                      | 62.8                      | 63.9                      | 63.9                      | 63.9                      |
| Textile mills                                                    | 313              | .37                | 78.7                  | 72.4        | 92.1                  | 77.4                 | 93.7                  | 52.1        | 67.7         | 66.1                      | 67.6                      | 68.1                      | 69.8                      | 68.1                      | 69.0                      |
| Textile product mills                                            | 314              | .36                | 79.1                  | 71.8        | 90.8                  | 76.8                 | 88.7                  | 56.6        | 70.6         | 70.1                      | 70.6                      | 71.2                      | 72.1                      | 71.4                      | 71.2                      |
| Apparel                                                          | 315              | .17                | 77.7                  | 74.8        | 84.7                  | 77.5                 | 88.5                  | 61.8        | 67.9         | 67.5                      | 69.1                      | 69.8                      | 71.0                      | 71.5                      | 73.0                      |
| Leather and allied products                                      | 316              | .08                | 70.9                  | 72.9        | 80.8                  | 72.0                 | 79.8                  | 44.3        | 57.7         | 57.1                      | 58.9                      | 59.3                      | 59.6                      | 58.5                      | 59.0                      |
| Paper                                                            | 322              | 2.21               | 86.7                  | 81.4        | 92.6                  | 85.6                 | 92.7                  | 72.9        | 87.5         | 86.4                      | 87.1                      | 85.3                      | 86.4                      | 85.5                      | 85.8                      |
| Printing and support                                             | 323              | 1.48               | 79.6                  | 80.3        | 91.8                  | 83.1                 | 84.9                  | 58.8        | 74.3         | 73.5                      | 74.3                      | 74.0                      | 74.5                      | 73.2                      | 73.5                      |
| Petroleum and coal products                                      | 324              | 3.05               | 85.1                  | 68.5        | 85.8                  | 81.4                 | 91.0                  | 76.3        | 79.1         | 79.4                      | 79.6                      | 79.5                      | 77.8                      | 77.8                      | 78.6                      |
| Chemicals                                                        | 325              | 12.79              | 76.8                  | 68.0        | 85.3                  | 80.2                 | 82.0                  | 65.4        | 72.9         | 75.0                      | 74.4                      | 73.1                      | 73.8                      | 74.7                      | 75.0                      |
| Plastics material and resin                                      | 325211           | .83                | 88.5                  | 66.1        | 96.9                  | 81.6                 | 102.1                 | 75.6        | 87.8         | 91.0                      | 89.4                      | 83.7                      | 83.0                      | 90.1                      |                           |
| Synthetic rubber                                                 | 325212           | .11                | 75.1                  | 54.6        | 94.4                  | 72.5                 | 87.4                  | 56.9        | 64.5         | 67.6                      | 68.4                      | 69.4                      | 69.7                      | 67.3                      | 69.0                      |
| Artificial and synthetic fibers and filaments                    | 32522            | .08                | 81.0                  | 63.3        | 93.5                  | 75.5                 | 91.7                  | 58.3        | 79.5         | 78.3                      | 79.3                      | 78.2                      |                           |                           |                           |
| Plastics and rubber products                                     | 326              | 3.35               | 82.1                  | 72.5        | 89.9                  | 77.0                 | 93.2                  | 57.5        | 82.3         | 83.0                      | 82.0                      | 81.2                      | 82.4                      | 81.5                      | 80.8                      |
| <b>Other manufacturing (non-NAICS)</b>                           | <b>1133,5111</b> | 2.61               | 80.0                  | 86.7        | 91.2                  | 80.1                 | 83.2                  | 68.3        | 61.6         | 60.5                      | 59.1                      | 58.6                      | 59.6                      | 60.1                      | 60.8                      |
| <b>Mining</b>                                                    | <b>21</b>        | 12.26              | 87.0                  | 79.6        | 86.3                  | 84.3                 | 88.6                  | 78.2        | 83.4         | 87.9                      | 88.6                      | 87.4                      | 89.6                      | 90.0                      | 90.6                      |
| Oil and gas extraction                                           | 211              | 7.75               | 92.9                  | 89.6        | 91.5                  | 89.5                 | 94.8                  | 93.3        | 93.8         | 99.3                      | 99.8                      | 98.8                      | 99.7                      | 99.9                      | 100.2                     |
| Mining (except oil and gas)                                      | 212              | 2.15               | 82.9                  | 67.9        | 91.2                  | 80.3                 | 87.7                  | 68.5        | 81.9         | 79.8                      | 81.6                      | 77.3                      | 81.8                      | 80.9                      | 81.1                      |
| Coal mining                                                      | 2121             | .76                | 84.8                  | 76.3        | 92.5                  | 79.8                 | 87.3                  | 75.3        | 78.5         | 76.0                      | 82.3                      | 76.1                      | 84.8                      | 85.5                      |                           |
| Metal mining                                                     | 2122             | .62                | 77.7                  | 32.3        | 93.4                  | 81.3                 | 90.1                  | 64.0        | 81.4         | 73.8                      | 70.9                      | 70.1                      | 68.5                      | 67.2                      | 68.9                      |
| Stone and earth minerals                                         | 2123             | .77                | 83.1                  | 63.5        | 89.4                  | 76.3                 | 91.8                  | 61.9        | 85.8         | 88.3                      | 89.9                      | 84.2                      | 89.8                      | 87.8                      | 88.1                      |
| Support activities for mining                                    | 213              | 2.37               | 71.9                  | 52.6        | 62.6                  | 56.1                 | 74.8                  | 48.8        | 52.3         | 54.8                      | 54.6                      | 55.6                      | 60.4                      | 62.4                      | 64.5                      |
| <b>Utilities</b>                                                 | <b>2211,2</b>    | 10.37              | 85.3                  | 76.8        | 92.9                  | 84.4                 | 92.9                  | 78.3        | 76.2         | 77.6                      | 79.9                      | 81.5                      | 73.5                      | 77.9                      | 79.2                      |
| Electric                                                         | 2211             | 9.03               | 86.4                  | 77.4        | 94.3                  | 87.3                 | 95.3                  | 78.2        | 76.9         | 77.2                      | 78.4                      | 81.0                      | 73.7                      | 76.8                      | 77.1                      |
| Natural gas                                                      | 2212             | 1.33               | 80.1                  | 72.9        | 86.3                  | 67.4                 | 87.5                  | 71.9        | 71.9         | 81.1                      | 91.6                      | 85.9                      | 73.6                      | 86.0                      | 94.9                      |
| SPECIAL AGGREGATES                                               |                  |                    |                       |             |                       |                      |                       |             |              |                           |                           |                           |                           |                           |                           |
| Selected high-technology industries                              |                  | 2.32               | 77.4                  | 75.6        | 81.4                  | 75.7                 | 86.6                  | 71.1        | 72.1         | 73.4                      | 74.2                      | 73.9                      | 73.8                      | 73.9                      | 74.2                      |
| Manufacturing ex. selected high-tech industries                  |                  | 75.05              | 78.4                  | 68.1        | 86.1                  | 77.3                 | 84.5                  | 63.3        | 75.2         | 75.3                      | 75.2                      | 74.6                      | 75.6                      | 75.6                      | 75.9                      |
| Manufacturing ex. selected high-tech and motor vehicles and pts. |                  | 69.46              | 78.7                  | 69.5        | 85.7                  | 79.2                 | 84.2                  | 65.9        | 74.8         | 75.2                      | 75.0                      | 74.5                      | 75.3                      | 75.1                      | 75.5                      |

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**Table 3**  
**INDUSTRIAL CAPACITY: MANUFACTURING, MINING, AND UTILITIES**

|                                                                  |       | Percent change        |                       |                       |                                  |       |       |      |                   | Capacity indexes       |              |       |              |       |       |       |
|------------------------------------------------------------------|-------|-----------------------|-----------------------|-----------------------|----------------------------------|-------|-------|------|-------------------|------------------------|--------------|-------|--------------|-------|-------|-------|
|                                                                  |       | Annual rate           |                       |                       | Fourth quarter to fourth quarter |       |       |      |                   | Percent of 2012 output |              |       |              |       |       |       |
| Item                                                             | NAICS | 1972-<br>2018<br>Ave. | 1972-<br>1975<br>Ave. | 1975-<br>2018<br>Ave. | 2014                             | 2015  | 2016  | 2017 | 2018 <sup>p</sup> | 2017<br>Apr.           | 2017<br>Nov. | Dec.  | 2018<br>Jan. | Feb.  | Mar.  | Apr.  |
| <b>Total industry</b>                                            |       | 2.2                   | 3.0                   | 2.1                   | 1.4                              | .8    | .6    | .6   | 1.9               | 136.0                  | 136.6        | 136.8 | 137.0        | 137.2 | 137.4 | 137.6 |
| STAGE-OF-PROCESS GROUPS                                          |       |                       |                       |                       |                                  |       |       |      |                   |                        |              |       |              |       |       |       |
| Crude                                                            |       | .8                    | 1.0                   | .8                    | 5.3                              | .4    | -2.4  | -.5  | 3.6               | 128.2                  | 128.4        | 128.7 | 128.9        | 129.3 | 129.6 | 130.0 |
| Primary and semifinished                                         |       | 2.2                   | 3.6                   | 2.1                   | -.2                              | -.2   | 1.7   | .7   | 1.6               | 137.5                  | 138.1        | 138.2 | 138.3        | 138.5 | 138.7 | 138.8 |
| Finished                                                         |       | 2.6                   | 3.3                   | 2.5                   | .0                               | .1    | 1.0   | 1.1  | 1.5               | 135.5                  | 136.4        | 136.5 | 136.7        | 136.9 | 137.0 | 137.2 |
| INDUSTRY GROUPS                                                  |       |                       |                       |                       |                                  |       |       |      |                   |                        |              |       |              |       |       |       |
| <b>Manufacturing</b>                                             |       | 2.3                   | 3.1                   | 2.2                   | -.3                              | -.3   | 1.3   | .7   | 1.3               | 136.1                  | 136.7        | 136.8 | 136.9        | 137.0 | 137.2 | 137.3 |
| <b>Manufacturing (NAICS) 31-33</b>                               |       | 2.4                   | 3.1                   | 2.4                   | -.1                              | -.2   | 1.4   | .9   | 1.5               | 136.2                  | 136.8        | 137.0 | 137.1        | 137.3 | 137.4 | 137.6 |
| <b>Durable manufacturing</b>                                     |       | 3.3                   | 3.3                   | 3.3                   | .3                               | .3    | .9    | .9   | 1.4               | 138.9                  | 139.7        | 139.8 | 140.0        | 140.1 | 140.3 | 140.5 |
| Wood products 321                                                |       | .9                    | 2.0                   | .8                    | 4.2                              | -.1   | 2.4   | 1.5  | 3.4               | 157.1                  | 158.3        | 158.5 | 158.8        | 159.2 | 159.6 | 160.0 |
| Nonmetallic mineral products 327                                 |       | .9                    | .9                    | .9                    | .0                               | .6    | 2.4   | 3.0  | 3.3               | 175.6                  | 178.7        | 179.2 | 179.7        | 180.2 | 180.7 | 181.1 |
| Primary metals 331                                               |       | .0                    | .7                    | -.1                   | 2.0                              | -.5   | -2.2  | .8   | -.1               | 137.4                  | 138.4        | 138.4 | 138.5        | 138.5 | 138.5 | 138.5 |
| Iron and steel products 3311,2                                   |       | -.4                   | -.1                   | -.4                   | -2.8                             | .8    | -4.6  | .7   | -1.1              | 123.4                  | 124.7        | 124.8 | 124.8        | 124.8 | 124.8 | 124.7 |
| Fabricated metal products 332                                    |       | 1.0                   | 3.2                   | .8                    | -.4                              | -1.7  | .0    | -.3  | 1.2               | 126.2                  | 126.0        | 126.0 | 126.1        | 126.2 | 126.3 | 126.4 |
| Machinery 333                                                    |       | 1.3                   | 3.7                   | 1.1                   | .2                               | -.4   | -1.5  | -1.4 | -.7               | 120.7                  | 119.8        | 119.7 | 119.6        | 119.5 | 119.4 | 119.3 |
| Computer and electronic products 334                             |       | 12.7                  | 11.7                  | 12.8                  | 3.4                              | 3.6   | 5.0   | 2.3  | 3.3               | 161.8                  | 163.7        | 164.0 | 164.4        | 164.8 | 165.3 | 165.7 |
| Computer and peripheral equip. 3341                              |       | 19.5                  | 31.2                  | 18.5                  | -2.6                             | 2.6   | -10.1 | 5.1  | 13.8              | 139.6                  | 147.2        | 148.7 | 150.2        | 151.9 | 153.5 | 155.2 |
| Communications equipment 3342                                    |       | 9.6                   | 10.8                  | 9.5                   | 8.1                              | 4.1   | 5.9   | 7.7  | 5.0               | 181.9                  | 189.8        | 190.7 | 191.7        | 192.5 | 193.4 | 194.2 |
| Semiconductor and related electronic components 3344             |       | 19.1                  | 13.2                  | 19.6                  | 1.4                              | 3.0   | 12.8  | .7   | 1.7               | 211.4                  | 210.2        | 210.2 | 210.3        | 210.4 | 210.7 | 211.0 |
| Electrical equipment, appliances, and components 335             |       | .9                    | 3.6                   | .7                    | 1.5                              | 4.3   | .7    | 1.5  | 1.8               | 132.3                  | 133.7        | 134.0 | 134.2        | 134.4 | 134.6 | 134.8 |
| Transportation equipment 336                                     |       | 1.8                   | 1.9                   | 1.8                   | -.8                              | .8    | 1.2   | 1.6  | .8                | 144.1                  | 145.4        | 145.5 | 145.7        | 145.8 | 145.9 | 146.0 |
| Motor vehicles and parts 3361-3                                  |       | 2.4                   | 2.9                   | 2.4                   | 1.2                              | .7    | 1.5   | 2.9  | 1.8               | 158.2                  | 161.0        | 161.4 | 161.7        | 162.0 | 162.3 | 162.5 |
| Autos and light trucks 33611                                     |       | 2.5                   | 3.8                   | 2.4                   | 4.0                              | 1.4   | 2.2   | 3.3  | .3                | 157.5                  | 160.7        | 161.0 | 161.2        | 161.4 | 161.5 | 161.6 |
| Aerospace and miscellaneous transportation equipment 3364-9      |       | 1.0                   | .5                    | 1.0                   | -3.0                             | .7    | .9    | -.1  | -.1               | 130.0                  | 129.7        | 129.7 | 129.7        | 129.6 | 129.6 | 129.6 |
| Furniture and related products 337                               |       | 1.2                   | 3.4                   | 1.0                   | -2.3                             | .5    | 2.3   | .9   | 2.6               | 136.5                  | 137.1        | 137.3 | 137.5        | 137.7 | 138.0 | 138.3 |
| Miscellaneous 339                                                |       | 2.1                   | 3.4                   | 1.9                   | -3.1                             | -3.1  | -1.6  | -.3  | 2.2               | 123.2                  | 123.2        | 123.4 | 123.5        | 123.7 | 123.9 | 124.1 |
| <b>Nondurable manufacturing</b>                                  |       | 1.3                   | 2.8                   | 1.2                   | -.6                              | -.8   | 2.1   | .9   | 1.6               | 133.2                  | 133.8        | 133.9 | 134.0        | 134.2 | 134.4 | 134.6 |
| Food 311                                                         |       | 1.7                   | 2.8                   | 1.6                   | 2.8                              | 2.2   | 2.4   | 2.2  | 2.7               | 135.5                  | 137.2        | 137.4 | 137.7        | 138.0 | 138.3 | 138.6 |
| Beverage and tobacco products 312                                |       | .6                    | .8                    | .5                    | 3.1                              | .6    | 4.6   | 2.3  | 1.2               | 153.4                  | 154.6        | 154.7 | 154.8        | 154.9 | 155.0 | 155.2 |
| Textile mills 313                                                |       | -.9                   | 2.4                   | -1.2                  | -.8                              | -.3   | -1.5  | -2.0 | -1.4              | 134.1                  | 132.5        | 132.3 | 132.1        | 132.0 | 131.8 | 131.6 |
| Textile product mills 314                                        |       | .2                    | 1.3                   | .1                    | -1.3                             | -.6   | -1.0  | -.4  | .6                | 153.7                  | 153.6        | 153.6 | 153.7        | 153.7 | 153.8 | 153.9 |
| Apparel 315                                                      |       | -4.0                  | 1.3                   | -4.5                  | -6.2                             | -6.7  | -6.8  | -6.8 | -6.3              | 105.2                  | 101.0        | 100.4 | 99.9         | 99.3  | 98.8  | 98.3  |
| Leather and allied products 316                                  |       | -2.8                  | -1.9                  | -2.8                  | -7.8                             | 1.0   | -1.2  | .4   | .5                | 148.1                  | 148.9        | 149.0 | 149.1        | 149.2 | 149.3 | 149.4 |
| Paper 322                                                        |       | .6                    | 3.2                   | .4                    | -2.9                             | -2.4  | -2.2  | -.3  | -.3               | 111.4                  | 111.4        | 111.4 | 111.4        | 111.4 | 111.4 | 111.3 |
| Printing and support 323                                         |       | 1.3                   | 3.4                   | 1.2                   | -4.5                             | -4.0  | -3.2  | -2.5 | -.2               | 134.4                  | 132.8        | 132.6 | 132.5        | 132.5 | 132.4 | 132.4 |
| Petroleum and coal products 324                                  |       | 1.4                   | 5.4                   | 1.0                   | -4.2                             | 3.8   | 11.2  | -1.8 | 2.5               | 136.6                  | 135.1        | 135.2 | 135.4        | 135.6 | 135.9 | 136.3 |
| Chemicals 325                                                    |       | 1.7                   | 3.7                   | 1.5                   | -2.5                             | -3.1  | .4    | .7   | .8                | 130.4                  | 130.8        | 130.9 | 131.0        | 131.1 | 131.1 | 131.2 |
| Plastics material and resin 325211                               |       | 2.3                   | 4.7                   | 2.1                   | 1.0                              | -5.9  | 2.3   | 6.2  | 3.2               | 108.2                  | 111.8        | 112.2 | 112.6        | 112.9 | 113.3 | 113.6 |
| Synthetic rubber 325212                                          |       | .5                    | 3.1                   | .3                    | -1.6                             | -.4   | .3    | -1.8 | -1.6              | 147.2                  | 145.3        | 145.1 | 144.9        | 144.6 | 144.4 | 144.2 |
| Artificial and synthetic fibers and filaments 32522              |       | -.3                   | 14.1                  | -1.5                  | -4.3                             | -4.2  | -.7   | 3.0  | 2.1               | 107.2                  | 109.2        | 109.5 | 109.7        | 109.9 | 110.1 | 110.3 |
| Plastics and rubber products 326                                 |       | 2.5                   | 4.6                   | 2.3                   | .1                               | -1.2  | 4.4   | 3.1  | 4.2               | 131.9                  | 133.9        | 134.2 | 134.6        | 135.0 | 135.4 | 135.9 |
| <b>Other manufacturing (non-NAICS) 1133,5111</b>                 |       | -.1                   | 2.9                   | -.4                   | -3.5                             | -3.4  | -2.7  | -3.6 | -2.9              | 135.0                  | 132.2        | 131.8 | 131.4        | 131.1 | 130.8 | 130.4 |
| MINING AND UTILITIES                                             |       |                       |                       |                       |                                  |       |       |      |                   |                        |              |       |              |       |       |       |
| <b>Mining 21</b>                                                 |       | .6                    | -.5                   | .7                    | 6.8                              | .9    | -3.1  | -1.0 | 4.8               | 129.3                  | 129.5        | 129.9 | 130.2        | 130.7 | 131.2 | 131.7 |
| Oil and gas extraction 211                                       |       | .6                    | -2.7                  | .9                    | 11.0                             | 4.7   | -.6   | 4.2  | 8.5               | 138.5                  | 143.1        | 143.9 | 144.8        | 145.8 | 146.8 | 147.7 |
| Mining (except oil and gas) 212                                  |       | .6                    | 1.6                   | .5                    | -.8                              | -3.4  | -2.3  | -2.4 | -2.8              | 117.2                  | 115.4        | 115.1 | 114.8        | 114.5 | 114.2 | 113.9 |
| Coal mining 2121                                                 |       | .2                    | 2.5                   | .0                    | -1.1                             | -6.2  | -8.4  | -7.3 | -7.9              | 97.8                   | 93.6         | 93.0  | 92.4         | 91.8  | 91.2  | 90.5  |
| Metal mining 2122                                                |       | 1.1                   | 1.9                   | 1.0                   | -1.7                             | -3.0  | 1.7   | .2   | -.1               | 134.7                  | 134.1        | 134.0 | 133.9        | 133.9 | 133.8 | 133.8 |
| Stone and earth minerals 2123                                    |       | .4                    | -.1                   | .4                    | .9                               | 1.3   | 1.8   | .2   | .2                | 132.3                  | 132.4        | 132.4 | 132.4        | 132.5 | 132.5 | 132.5 |
| Support activities for mining 213                                |       | .1                    | 5.7                   | -.4                   | -8.2                             | -16.2 | -1.5  | -9.1 | -5.4              | 109.7                  | 102.7        | 101.9 | 101.2        | 100.6 | 100.0 | 99.6  |
| <b>Utilities 2211,2</b>                                          |       | 2.3                   | 6.3                   | 1.9                   | .4                               | .4    | 1.6   | 1.8  | 2.3               | 131.8                  | 133.2        | 133.4 | 133.6        | 133.8 | 134.1 | 134.3 |
| Electric 2211                                                    |       | 2.8                   | 8.7                   | 2.3                   | .3                               | .4    | 1.6   | 1.8  | 2.7               | 130.8                  | 132.3        | 132.5 | 132.8        | 133.0 | 133.3 | 133.6 |
| Natural gas 2212                                                 |       | .2                    | -1.0                  | .3                    | 1.2                              | 1.0   | .5    | .2   | .4                | 137.9                  | 138.0        | 138.1 | 138.1        | 138.1 | 138.2 | 138.2 |
| SPECIAL AGGREGATES                                               |       |                       |                       |                       |                                  |       |       |      |                   |                        |              |       |              |       |       |       |
| Selected high-technology industries                              |       | 17.4                  | 17.2                  | 17.5                  | 2.3                              | 3.3   | 7.4   | 3.2  | 4.4               | 191.8                  | 194.8        | 195.4 | 196.0        | 196.6 | 197.3 | 198.0 |
| Manufacturing ex. selected high-tech industries                  |       | 1.3                   | 2.6                   | 1.2                   | -.3                              | -.4   | 1.1   | .7   | 1.2               | 134.4                  | 134.9        | 135.0 | 135.1        | 135.2 | 135.3 | 135.5 |
| Manufacturing ex. selected high-tech and motor vehicles and pts. |       | 1.2                   | 2.6                   | 1.0                   | -.5                              | -.5   | 1.1   | .5   | 1.2               | 132.8                  | 133.1        | 133.2 | 133.3        | 133.4 | 133.5 | 133.7 |