BUREAU OF LABOR STATISTICS U.S. DEPARTMENT OF LABOR

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## Productivity and Costs

Fourth Quarter and Annual Averages 2014, Revised
Nonfarm business sector labor productivity decreased at a 2.2 percent annual rate during the fourth quarter of 2014, the U.S. Bureau of Labor Statistics reported today, as output increased 2.6 percent and hours worked increased 4.9 percent. (All quarterly percent changes in this release are seasonally adjusted annual rates.) From the fourth quarter of 2013 to the fourth quarter of 2014, productivity decreased 0.1 percent reflecting increases in output and hours worked of 2.9 percent and 3.0 percent, respectively. (See chart 1 and table A.) Annual average productivity increased 0.7 percent from 2013 to 2014. (See table C.)

Labor productivity, or output per hour, is calculated by dividing an index of real output by an index of hours worked of all persons, including employees, proprietors, and unpaid family workers. Measures released today were based on more recent source data than were available for the preliminary report.


Unit labor costs in the nonfarm business sector increased 4.1 percent in the fourth quarter of 2014, reflecting a 1.9 percent increase in hourly compensation and a 2.2 percent decline in productivity. Unit labor costs increased 2.6 percent over the last four quarters. (See chart 2 and tables $A$ and 2.)

Data in this release reflect the annual benchmark revision of BLS Current Employment Statistics program data on nonfarm employment and hours, and the revised seasonal adjustment of those data. More detail can be found in tables 1-6 and appendix tables 1-6. See Revised measures on page 2.

BLS calculates unit labor costs as the ratio of hourly compensation to labor productivity; increases in hourly compensation tend to increase unit labor costs and increases in output per hour tend to reduce them.

Manufacturing sector productivity decreased 0.1 percent in the fourth quarter of 2014, as output increased 4.3 percent and hours worked increased 4.4 percent. Productivity increased 0.5 percent in the durable manufacturing sector and decreased 1.5 percent in the nondurable manufacturing sector. (See tables A, 3, 4, and 5.) Over the last four quarters, manufacturing productivity increased 2.4 percent, as output increased 4.5 percent and hours increased 2.0 percent. Unit labor costs in manufacturing increased 1.5 percent in the fourth quarter of 2014 and were unchanged from the same quarter a year ago. (See tables A and 3.)

The concepts, sources, and methods used for the manufacturing output series differ from those used in the business and nonfarm business output series; these output measures are not directly comparable. See Technical Notes for a more detailed explanation. (See page 6.)

## Revised measures

Quarterly and annual measures of hours and related series-including productivity-were revised back to 1990 for all major sectors. The revisions incorporate revised Current Employment Statistics (CES) program data published February 6, 2015. From 2010 forward the data were subject to revision as a result of annual benchmarking of CES data and revised seasonal adjustment of those data. Prior to 2010 there were small revisions due to CES coverage changes affecting two manufacturing industries. Index measures related to hours show full historical revisions because the 2009 base year values were revised; resulting revisions to percent changes are small. Third quarter, fourth quarter, and annual average data for 2014 were also revised for regular updates of source data on output and compensation.

Revised and previous measures for the third and fourth quarters of 2014 are shown in table B for the business, nonfarm business, and manufacturing sectors. Revised annual average measures for 2010 to 2014 are shown in table C for the nonfarm business and manufacturing sectors. Revised third quarter measures for the nonfinancial corporate sector are shown in table D. Quarterly and annual data for all sectors appear in tables 1-6 for 2012 through 2014 and in appendix tables 1-6 for 2009 through 2011. Full historical annual and quarterly measures can be found on the labor productivity and costs home page at www.bls.gov/lpc/\#data.

In the fourth quarter of 2014, nonfarm business productivity decreased 2.2 percent rather than 1.8 percent as reported February 5. The revised figure reflects a 0.6 percentage point downward revision to output and a 0.2 percentage point downward revision to hours. The 4.9 percent increase in hours worked remains the largest increase in this series since a gain of 5.7 percent in the fourth quarter of 1998. Unit labor costs increased 4.1 percent, a larger increase than was previously reported.

Manufacturing productivity declined 0.1 percent rather than increasing 1.3 percent, a combination of a downward revision to output and a small upward revision to hours. This was the first decrease in the productivity measure since a 1.6 percent decrease in the fourth quarter of 2011. Because the downward revision to productivity was larger than a downward revision to hourly compensation, manufacturing unit labor costs increased 1.5 percent, rather than 0.2 percent as reported in the preliminary release. (See table B.)

In the third quarter of 2014, nonfarm business productivity growth was little changed, at 3.9 percent, reflecting a slight downward revision to hours. Unit labor costs decreased 1.0 percent, as revised, reflecting the small upward revision to productivity and a 1.5 percentage point upward revision to hourly compensation. In the manufacturing sector, productivity increased 3.5 percent rather than 3.2 percent as previously reported. The revision reflected a small upward revision to output and a small downward revision to hours. (See table B.) Nonfinancial corporate sector productivity increased 1.8 percent in the third quarter of 2014. (See table D.)

When the annual average indexes of output per hour are compared, nonfarm business sector productivity rose 0.7 percent from 2013 to 2014 reflecting increases of 3.0 percent in output and 2.3 percent in hours worked. The increase in hours in 2014 was the largest increase in the annual measure since 1997 ( 3.5 percent). Since 2010, productivity has increased at an average annual rate of 0.7 percent, reflecting average annual growth rates of 2.8 percent in output and 2.1 percent in hours worked. Output per hour has increased at an average annual rate of 2.1 percent since 1990 as output increased 2.8 percent and hours increased 0.7 percent. Unit labor costs rose 1.8 percent from 2013 to 2014 in the nonfarm business sector.

In the manufacturing sector, annual average productivity growth was revised down to 2.2 percent in 2014. Productivity growth over the last four years of 1.5 percent per year on average reflects annual average rates of growth in output and hours of 3.2 percent and 1.7 percent, respectively. Manufacturing unit labor costs increased 0.1 percent in 2014 as the 2.2 percent increase in productivity was outpaced by the 2.3 percent increase in compensation per hour. Real hourly compensation increased 0.6 percent in 2014, after four consecutive years of decreases in the measure (See table C.)

The preliminary Productivity and Costs news release for first-quarter 2015 is scheduled to be released on Wednesday, May 6, 2015 at 8:30 a.m. (EDT).

| Sector | Nonfarm <br> Business |  | Business |  | Manufacturing |  | Durable Manufacturing |  | Nondurable Manufacturing |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Q to Q | Y to Y | Q to Q | Y to Y | Q to Q | Y to Y | Q to Q | Y to Y | Q to Q | Y to Y |
| Productivity | -2.2 | -0.1 | -2.3 | -0.4 | -0.1 | 2.4 | 0.5 | 2.8 | -1.5 | 2.3 |
| Output | 2.6 | 2.9 | 2.7 | 2.8 | 4.3 | 4.5 | 3.4 | 5.5 | 5.4 | 3.4 |
| Hours | 4.9 | 3.0 | 5.2 | 3.2 | 4.4 | 2.0 | 3.0 | 2.6 | 7.0 | 1.1 |
| Hourly compensation | 1.9 | 2.5 | 1.6 | 2.3 | 1.4 | 2.4 | 1.8 | 2.4 | 1.1 | 2.3 |
| Real hourly compensation | 3.1 | 1.3 | 2.8 | 1.1 | 2.7 | 1.2 | 3.0 | 1.2 | 2.4 | 1.1 |
| Unit labor costs | 4.1 | 2.6 | 4.0 | 2.7 | 1.5 | 0.0 | 1.3 | -0.4 | 2.7 | 0.1 |
| Table B. Revised and previous measures: fourth quarter and third quarter 2014 |  |  |  |  |  |  |  |  |  |  |
| Sector | Nonfarm Business |  | Business |  | Manufacturing |  | Durable Manufacturing |  | Nondurable Manufacturing |  |
| Percent change, annual rate, fourth quarter 2014 |  |  |  |  |  |  |  |  |  |  |
| Productivity | -2.2 | -1.8 | -2.3 | -2.0 | -0.1 | 1.3 | 0.5 | 1.5 | -1.5 | 0.2 |
| Output | 2.6 | 3.2 | 2.7 | 3.3 | 4.3 | 5.7 | 3.4 | 4.5 | 5.4 | 7.0 |
| Hours | 4.9 | 5.1 | 5.2 | 5.3 | 4.4 | 4.3 | 3.0 | 3.0 | 7.0 | 6.8 |
| Hourly compensation | 1.9 | 0.9 | 1.6 | 0.6 | 1.4 | 1.5 | 1.8 | 1.3 | 1.1 | 2.2 |
| Real hourly compensation | 3.1 | 2.1 | 2.8 | 1.8 | 2.7 | 2.8 | 3.0 | 2.5 | 2.4 | 3.4 |
| Unit labor costs | 4.1 | 2.7 | 4.0 | 2.6 | 1.5 | 0.2 | 1.3 | -0.2 | 2.7 | 2.0 |
|  |  | Pe | t change | annual rate | ird quarter | 2014 |  |  |  |  |
| Productivity | 3.9 | 3.7 | 3.3 | 3.2 | 3.5 | 3.2 | 3.5 | 3.5 | 4.4 | 3.8 |
| Output | 6.3 | 6.3 | 6.4 | 6.4 | 4.9 | 4.8 | 6.7 | 6.7 | 2.9 | 2.7 |
| Hours | 2.4 | 2.5 | 2.9 | 3.1 | 1.4 | 1.5 | 3.1 | 3.1 | -1.4 | -1.1 |
| Hourly compensation | 2.8 | 1.3 | 2.1 | 0.6 | 2.1 | 1.4 | 1.7 | 0.7 | 2.7 | 2.6 |
| Real hourly compensation | 1.7 | 0.2 | 1.0 | -0.5 | 1.0 | 0.3 | 0.6 | -0.4 | 1.6 | 1.5 |
| Unit labor costs | -1.0 | -2.3 | -1.2 | -2.5 | -1.3 | -1.7 | -1.8 | -2.6 | -1.6 | -1.2 |
| Table C. Revised annual average changes in productivity and related measures: 2010-2014 |  |  |  |  |  |  |  |  |  |  |
| Sector | Nonfarm Business |  |  |  |  |  | Manufacturing |  |  |  |
|  | 2010 | 2011 | 2012 | 2013 | 2014 | 2010 | 2011 | $2012$ | 2013 | 2014 |
| Productivity | 3.3 | 0.2 | 1.0 | 0.9 | 0.7 | 6.2 | 0.8 | 1.0 | 1.9 | 2.2 |
| Output | 3.2 | 2.2 | 3.2 | 2.6 | 3.0 | 6.2 | 2.9 | 3.3 | 2.7 | 3.8 |
| Hours | -0.1 | 2.0 | 2.2 | 1.7 | 2.3 | 0.0 | 2.1 | 2.3 | 0.8 | 1.6 |
| Hourly compensation | 2.0 | 2.2 | 2.7 | 1.1 | 2.5 | 1.2 | 1.7 | 1.8 | 0.5 | 2.3 |
| Real hourly compensation | 0.3 | -0.9 | 0.6 | -0.3 | 0.8 | -0.4 | -1.4 | -0.3 | -0.9 | 0.6 |
| Unit labor costs | -1.3 | 2.1 | 1.7 | 0.2 | 1.8 | -4.7 | 1.0 | 0.8 | -1.4 | 0.1 |


|  | Productivity | Output | Hours | Hourly compensation | Real hourly compensation | Unit labor costs | Unit profits | Implicit price deflator |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Percent change, annual rate, third quarter 2014 |  |  |  |  |  |  |  |  |
| Revised | 1.8 | 4.6 | 2.7 | 1.0 | 0.0 | -0.8 | 5.7 | 0.7 |
| Previous | 1.7 | 4.6 | 2.9 | 0.9 | -0.2 | -0.8 | 5.7 | 0.7 |

## TECHNICAL NOTES

Labor Hours: Hours data for the labor productivity and cost measures include hours for all persons working in the sector-wage and salary workers, the self-employed and unpaid family workers. The primary source of hours and employment data is the BLS Current Employment Statistics (CES) program, which provides monthly survey data on the number of jobs held by wage and salary workers in nonfarm establishments, counting a person who is employed by two or more establishments at each place of employment. The CES also provides average weekly paid hours of production and nonsupervisory workers in these establishments. Weekly paid hours are adjusted to hours at work using data from the National Compensation Survey (NCS) for 2001 forward and data from the BLS Hours at Work survey, conducted for this purpose, for earlier years. The Office of Productivity and Technology estimates average weekly hours at work for nonproduction and supervisory workers using information from the Current Population Survey (CPS), the CES, and the NCS.

Data from the CPS are used to estimate hours worked for farm labor, nonfarm proprietors, and nonfarm unpaid family workers. Using CPS information on employment and hours worked at primary jobs and all other jobs, separately, the BLS productivity measures assign all hours worked to the correct industrial sector. Hours for government enterprises are derived from the CPS, the CES, and the National Income and Product Accounts (NIPA) prepared by the Bureau of Economic Analysis (BEA) of the Department of Commerce.

Output: Business sector output is a chain-type, current-weighted index constructed after excluding from gross domestic product (GDP) the following outputs: general government, nonprofit institutions, and private households (including owner-occupied housing). Corresponding exclusions also are made in labor inputs. Business output accounted for about 76 percent of the value of GDP in 2013. Nonfarm business, which excludes farming, accounted for about 74 percent of GDP in 2013.

Annual indexes for manufacturing and its durable and nondurable goods components are constructed by deflating current-dollar industry value of production data from the U.S. Bureau of the Census with deflators from the BLS. These deflators are based on data from the BLS producer price program and other sources. The industry shipments are aggregated using annual weights, and intrasector transactions are removed. Quarterly manufacturing output measures are based on the indexes of industrial production prepared monthly by the Board of Governors of the Federal Reserve System, adjusted to be consistent with annual indexes of manufacturing sector output prepared by BLS.

Nonfinancial corporate output is a chain-type, current-weighted index calculated on the basis of the costs incurred and the incomes earned from production. The output measure excludes the following outputs from GDP: general government; nonprofit institutions; private households; unincorporated business; and those corporations classified as offices of bank holding companies, offices of other holding companies, or offices in the finance and insurance sector. Nonfinancial corporations accounted for about 49 percent of the value of GDP in 2013.

Labor Productivity: The measure describes the relationship between real output and the labor time involved in its production. Measures of labor productivity growth show the changes from period to period in the amount of goods and services produced per hour worked. They reflect the joint effects of many influences, including changes in technology; capital investment; level of output; utilization of capacity, energy, and materials; the organization of production; managerial skill; and the characteristics and effort of the work force.

Labor Compensation: The measure includes accrued wages and salaries, supplements, employer contributions to employee benefit plans, and taxes. Estimates of labor compensation by major sector, required for measures of hourly compensation and unit labor costs, are based primarily on employee compensation data from the NIPA, prepared by the BEA. The compensation of employees in general government, nonprofit institutions and private households are subtracted from compensation of domestic employees to derive employee compensation for the business sector. The labor compensation of proprietors cannot be explicitly identified and must be estimated. This is done by assuming that proprietors have the same hourly compensation as employees in the same sector. The quarterly labor productivity and cost measures do not contain estimates of compensation for unpaid family workers.

Unit Labor Costs: These measures describe the relationship between compensation per hour and labor productivity, or real output per hour, and can be used as an indicator of inflationary pressure on producers. Increases in hourly compensation increase unit labor costs; labor productivity increases offset compensation increases and lower unit labor costs.

Presentation of the data: The quarterly data in this release are presented in three ways: as percent changes from the previous quarter presented at a compound annual rate, as percent changes from the corresponding quarter of the previous year, and as index number series where 2009=100. Annual data are presented both as index number series and percent changes from the previous year.

The index numbers and rates of change reported in the productivity and costs news release are rounded to one decimal place. All percent changes in this release and on the BLS web site are calculated using index numbers to three decimal places. These index numbers are available at the BLS web site, www.bls.gov/data/home.htm, or by contacting the BLS Division of Major Sector Productivity (Telephone 202-691-5606 or email DPRWEB@BLS.GOV).

For a more detailed explanation of methodology see "Technical Information About the Major Sector Productivity and Costs Methods" at www.bls.gov/lpc/lpcmethods.pdf.

Information in this release will be made available to sensory-impaired individuals upon request. Voice phone: 202-691-5606; Federal Relay Service number: 1-800-877-8339.

Table 1. Business sector: Productivity, hourly compensation, unit labor costs, and prices, seasonally adjusted

| 速 |  |  |  |  | Real |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | Output per hour |  | Hours | Compensation | compen- <br> sation | Unit | Unit nonlabor | Implicit price |
| and | of all |  | of all | per hour | per hour | labor | payments | deflator |
| quarter | persons | Output | persons | (1) | (2) | costs | (3) | (4) |

Percent change from previous quarter at annual rate(5)


Percent change from corresponding quarter of previous year

| 2014 | ANNUAL | 0.5 | $r$ | 2.9 |  | 2.4 | $r$ | 2.3 | $r$ | 0.7 | $r$ | 1.8 | $r$ | 0.6 | $r$ | 1.3 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2014 | IV | -0.4 | $r$ | 2.8 | $r$ | 3.2 |  | 2.3 | $r$ | 1.1 | $r$ | 2.7 | $r$ | -1.0 | $r$ | 1.1 | $r$ |
|  | III | 0.9 | $r$ | 3.3 |  | 2.3 |  | 2.2 | $r$ | 0.4 | $r$ | 1.3 | $r$ | 1.6 | $r$ | 1.4 |  |
|  | II | 0.9 | $r$ | 3.2 |  | 2.2 | $r$ | 1.7 | $r$ | -0.3 | $r$ | 0.8 |  | 2.5 |  | 1.5 |  |
|  | I | 0.5 |  | 2.3 |  | 1.8 | $r$ | 3.1 |  | 1.6 | $r$ | 2.6 |  | -0.6 |  | 1.2 |  |
| 2013 | ANNUAL | 1.2 |  | 2.7 |  | 1.5 |  | 1.3 | $r$ | -0.1 |  | 0.2 |  | 3.1 |  | 1.4 |  |
| 2013 | IV | 2.3 | $r$ | 4.0 |  | 1.6 |  | -0.1 | r | -1.3 | $r$ | -2.3 |  | 6.0 |  | 1.2 |  |
|  | III | 1.0 | $r$ | 2.8 |  | 1.7 |  | 2.1 |  | 0.5 | $r$ | 1.1 |  | 1.6 |  | 1.3 |  |
|  | II | 0.6 | $r$ | 2.1 |  | 1.5 |  | 2.1 |  | 0.7 | $r$ | 1.5 |  | 1.3 |  | 1.4 |  |
|  | I | 0.8 |  | 2.1 |  | 1.3 |  | 1.3 |  | -0.4 | $r$ | 0.5 |  | 3.3 |  | 1.7 |  |
| 2012 | ANNUAL | 0.9 |  | 3.1 |  | 2.2 |  | 2.8 |  | 0.7 |  | 1.9 |  | 1.7 |  | 1.8 |  |
| 2012 | IV | 0.2 | r | 2.1 |  | 1.9 | r | 5.6 | $r$ | 3.6 | $r$ | 5.4 |  | -2.7 |  | 1.8 |  |
|  | III | 1.6 |  | 3.6 |  | 2.0 |  | 1.8 |  | 0.1 |  | 0.2 |  | 3.6 |  | 1.7 |  |
|  | II | 1.0 |  | 3.1 |  | 2.1 |  | 2.3 |  | 0.4 |  | 1.3 |  | 2.6 |  | 1.8 |  |
|  | I | 0.8 |  | 3.5 |  | 2.7 |  | 1.6 |  | -1.2 |  | 0.8 |  | 3.8 |  | 2.1 |  |
| Indexes 2009=100 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2014 | ANNUAL | 106.0 | r | 114.8 | $r$ | 108.3 | r | 110.9 | $r$ | 100.5 | $r$ | 104.7 | $r$ | 112.9 | $r$ | 108.1 | $r$ |
| 2014 | IV | 106.1 | $r$ | 116.7 | $r$ | 109.9 | $r$ | 111.5 | $r$ | 100.9 | $r$ | 105.0 | $r$ | 112.9 | $r$ | 108.3 | $r$ |
|  | III | 106.8 | $r$ | 115.9 |  | 108.5 | $r$ | 111.0 | $r$ | 100.2 | $r$ | 104.0 | $r$ | 114.7 | $r$ | 108.5 |  |
|  | II | 105.9 | $r$ | 114.1 |  | 107.7 | $r$ | 110.5 | $r$ | 100.0 | $r$ | 104.3 | $r$ | 113.5 | $r$ | 108.2 |  |
|  | I | 105.1 | $r$ | 112.5 |  | 107.0 | $r$ | 110.8 | $r$ | 101.0 | $r$ | 105.3 | $r$ | 110.6 | $r$ | 107.5 |  |
| 2013 | ANNUAL | 105.5 | $r$ | 111.6 |  | 105.8 | r | 108.4 | $r$ | 99.8 | $r$ | 102.8 | $r$ | 112.2 | $r$ | 106.7 |  |
| 2013 | IV | 106.6 | $r$ | 113.5 |  | 106.5 | r | 109.0 | $r$ | 99.9 | $r$ | 102.3 | $r$ | 114.0 | $r$ | 107.2 |  |
|  | III | 105.8 | $r$ | 112.2 |  | 106.0 | $r$ | 108.6 | $r$ | 99.8 | $r$ | 102.7 | $r$ | 112.9 | $r$ | 106.9 |  |
|  | II | 105.0 | $r$ | 110.6 |  | 105.4 | $r$ | 108.6 | $r$ | 100.3 | $r$ | 103.5 | $r$ | 110.7 | $r$ | 106.5 |  |
|  | I | 104.7 | $r$ | 110.0 |  | 105.1 | $r$ | 107.5 | $r$ | 99.4 | $r$ | 102.7 | $r$ | 111.2 | $r$ | 106.3 |  |
| 2012 | ANNUAL | 104.3 | r | 108.6 |  | 104.1 | $r$ | 107.0 | $r$ | 99.9 | $r$ | 102.6 |  | 108.9 | $r$ | 105.2 |  |
| 2012 | IV | 104.2 | $r$ | 109.1 |  | 104.8 | $r$ | 109.1 | $r$ | 101.2 | $r$ | 104.7 | $r$ | 107.5 | $r$ | 105.9 |  |
|  | III | 104.7 | $r$ | 109.2 |  | 104.2 | $r$ | 106.4 | $r$ | 99.3 | $r$ | 101.6 | $r$ | 111.1 | $r$ | 105.6 |  |
|  | II | 104.4 | $r$ | 108.3 |  | 103.8 | $r$ | 106.4 | $r$ | 99.6 | $r$ | 101.9 | $r$ | 109.3 | $r$ | 105.0 |  |
|  | I | 103.8 | $r$ | 107.7 |  | 103.7 | $r$ | 106.1 | $r$ | 99.7 | $r$ | 102.2 | $r$ | 107.6 | $r$ | 104.5 |  |

See footnotes following Table 6.
r=revised
Source: Bureau of Labor Statistics

Table 2. Nonfarm business sector: Productivity, hourly compensation, unit labor costs, and prices, seasonally adjusted

|  |  |  |  |  | Real |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Output |  |  | Compen- | compen- |  | Unit | Implicit |
| Year | per hour |  | Hours | sation | sation | Unit | nonlabor | price |
| and | of all |  | of all | per hour | per hour | labor | payments | deflator |
| quarter | persons | Output | persons | (1) | (2) | costs | (3) | (4) |

Percent change from previous quarter at annual rate(5)

| 2014 | ANNUAL | 0.7 | $r$ | 3.0 | $r$ | 2.3 | $r$ | 2.5 | $r$ | 0.8 | $r$ | 1.8 | $r$ | 0.9 | $r$ | 1.4 | $r$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2014 | IV | -2.2 | $r$ | 2.6 | $r$ | 4.9 | $r$ | 1.9 | $r$ | 3.1 | $r$ | 4.1 | $r$ | -5.8 | $r$ | -0.3 | $r$ |
|  | III | 3.9 | $r$ | 6.3 |  | 2.4 | $r$ | 2.8 | $r$ | 1.7 | $r$ | -1.0 | $r$ | 5.3 | $r$ | 1.7 |  |
|  | II | 2.9 |  | 5.5 |  | 2.5 |  | -0.9 |  | -3.8 |  | -3.7 |  | 10.0 | $r$ | 2.0 |  |
|  | I | -4.7 | $r$ | -2.4 |  | 2.4 | $r$ | 6.3 | $r$ | 4.3 | $r$ | 11.5 | $r$ | -11.7 |  | 0.8 |  |
| 2013 | ANNUAL | 0.9 |  | 2.6 |  | 1.7 |  | 1.1 |  | -0.3 |  | 0.2 |  | 2.9 |  | 1.4 |  |
| 2013 | IV | 3.0 | $r$ | 4.7 |  | 1.7 | $r$ | 1.7 | $r$ | 0.4 | $r$ | -1.3 |  | 5.0 |  | 1.4 |  |
|  | III | 3.4 | $r$ | 5.6 |  | 2.1 | $r$ | 0.4 | $r$ | -1.6 | $r$ | -2.9 |  | 8.5 |  | 1.9 |  |
|  | II | 0.9 | $r$ | 2.0 |  | 1.1 | $r$ | 4.2 | $r$ | 3.7 | $r$ | 3.2 |  | -0.8 | $r$ | 1.5 |  |
|  | I | 0.6 | $r$ | 2.4 |  | 1.8 | $r$ | -6.5 | $r$ | -7.5 | $r$ | -7.1 | $r$ | 12.8 | $r$ | 0.9 |  |
| 2012 | ANNUAL | 1.0 |  | 3.2 |  | 2.2 |  | 2.7 |  | 0.6 |  | 1.7 |  | 2.0 |  | 1.8 |  |
| 2012 | IV | -2.3 | $r$ | 0.1 |  | 2.4 | $r$ | 10.1 | $r$ | 7.5 | $r$ | 12.7 |  | -12.8 |  | 1.0 |  |
|  | III | 1.8 | $r$ | 3.7 |  | 1.9 | $r$ | -0.1 | $r$ | -1.7 | $r$ | -1.8 |  | 6.7 |  | 1.8 |  |
|  | II | 2.0 | $r$ | 2.3 |  | 0.3 | $r$ | 0.9 | $r$ | -0.5 | $r$ | -1.1 | $r$ | 6.9 | $r$ | 2.3 |  |
|  | I | 0.0 | $r$ | 3.3 |  | 3.3 | $r$ | 11.5 | $r$ | 9.1 | $r$ | 11.4 |  | -9.9 |  | 1.6 |  |

Percent change from corresponding quarter of previous year

| 2014 | ANNUAL | 0.7 | $r$ | 3.0 | r | 2.3 | $r$ | 2.5 | $r$ | 0.8 | r | 1.8 | r | 0.9 | $r$ | 1.4 | $r$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2014 | IV | -0.1 | $r$ | 2.9 | $r$ | 3.0 | $r$ | 2.5 | $r$ | 1.3 | $r$ | 2.6 | $r$ | -0.9 | $r$ | 1.0 |  |
|  | III | 1.2 | $r$ | 3.5 |  | 2.2 |  | 2.4 | $r$ | 0.6 | $r$ | 1.2 | $r$ | 1.8 | $r$ | 1.5 |  |
|  | II | 1.1 | $r$ | 3.3 |  | 2.2 | $r$ | 1.8 | $r$ | -0.2 | $r$ | 0.7 |  | 2.6 |  | 1.5 |  |
|  | I | 0.6 | $r$ | 2.4 |  | 1.8 | $r$ | 3.1 | $r$ | 1.7 | $r$ | 2.5 |  | 0.0 |  | 1.4 |  |
| 2013 | ANNUAL | 0.9 |  | 2.6 |  | 1.7 |  | 1.1 |  | -0.3 |  | 0.2 |  | 2.9 |  | 1.4 |  |
| 2013 | IV | 2.0 |  | 3.7 |  | 1.6 |  | -0.1 |  | -1.3 |  | -2.1 |  | 6.3 | $r$ | 1.4 |  |
|  | III | 0.6 | $r$ | 2.5 |  | 1.8 |  | 1.9 |  | 0.4 |  | 1.2 |  | 1.4 |  | 1.3 |  |
|  | II | 0.2 |  | 2.0 |  | 1.8 |  | 1.8 | $r$ | 0.3 |  | 1.5 |  | 1.0 |  | 1.3 |  |
|  | I | 0.5 | $r$ | 2.1 |  | 1.6 | $r$ | 0.9 | $r$ | -0.7 |  | 0.4 |  | 2.9 |  | 1.5 |  |
| 2012 | ANNUAL | 1.0 |  | 3.2 |  | 2.2 |  | 2.7 |  | 0.6 |  | 1.7 |  | 2.0 |  | 1.8 |  |
| 2012 | IV | 0.4 |  | 2.3 |  | 2.0 | $r$ | 5.5 |  | 3.5 |  | 5.1 |  | -2.7 |  | 1.6 |  |
|  | III | 1.7 |  | 3.8 |  | 2.0 |  | 1.6 |  | 0.0 |  | -0.1 |  | 4.1 |  | 1.7 |  |
|  | II | 1.0 | $r$ | 3.1 |  | 2.1 | $r$ | 2.3 |  | 0.3 | $r$ | 1.2 |  | 2.8 |  | 1.9 |  |
|  | I | 0.9 |  | 3.7 |  | 2.7 |  | 1.5 |  | -1.3 | $r$ | 0.6 |  | 4.0 |  | 2.0 |  |
| Indexes 2009=100 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2014 | ANNUAL | 106.2 | r | 115.1 | $r$ | 108.4 | $r$ | 110.9 | $r$ | 100.5 | $r$ | 104.5 | $r$ | 111.9 | $r$ | 107.6 | $r$ |
| 2014 | IV | 106.4 | $r$ | 116.9 | $r$ | 109.9 | $r$ | 111.6 | $r$ | 101.1 | $r$ | 104.9 | $r$ | 112.0 | $r$ | 107.8 | r |
|  | III | 107.0 | $r$ | 116.1 |  | 108.5 | $r$ | 111.1 | $r$ | 100.3 | $r$ | 103.9 | $r$ | 113.7 | $r$ | 107.9 |  |
|  | II | 106.0 | $r$ | 114.4 |  | 107.9 | $r$ | 110.3 | $r$ | 99.9 | $r$ | 104.1 | $r$ | 112.2 | $r$ | 107.5 |  |
|  | I | 105.2 | $r$ | 112.9 |  | 107.2 | $r$ | 110.6 | $r$ | 100.8 | $r$ | 105.1 | $r$ | 109.5 | $r$ | 106.9 |  |
| 2013 | ANNUAL | 105.4 | r | 111.7 |  | 105.9 | r | 108.2 | r | 99.7 | $r$ | 102.7 | $r$ | 110.9 | $r$ | 106.1 |  |
| 2013 | IV | 106.5 | $r$ | 113.5 |  | 106.6 | $r$ | 108.9 | $r$ | 99.8 | $r$ | 102.3 | $r$ | 113.0 | $r$ | 106.7 |  |
|  | III | 105.7 | $r$ | 112.2 |  | 106.2 | $r$ | 108.5 | $r$ | 99.7 | $r$ | 102.6 | $r$ | 111.6 | $r$ | 106.4 |  |
|  | II | 104.8 | $r$ | 110.7 |  | 105.6 | $r$ | 108.3 | $r$ | 100.1 | $r$ | 103.4 | $r$ | 109.4 | $r$ | 105.9 |  |
|  | I | 104.6 | $r$ | 110.2 |  | 105.3 | $r$ | 107.2 | $r$ | 99.2 | $r$ | 102.5 | $r$ | 109.6 | $r$ | 105.5 |  |
| 2012 | ANNUAL | 104.5 | r | 108.9 |  | 104.2 | r | 107.1 | $r$ | 100.0 | $r$ | 102.4 | $r$ | 107.8 | $r$ | 104.7 |  |
| 2012 | IV | 104.4 | $r$ | 109.5 |  | 104.9 | $r$ | 109.1 | $r$ | 101.1 | $r$ | 104.4 | $r$ | 106.3 | $r$ | 105.2 |  |
|  | III | 105.0 | $r$ | 109.5 |  | 104.3 | $r$ | 106.5 | $r$ | 99.3 | $r$ | 101.4 | $r$ | 110.0 | $r$ | 105.0 |  |
|  | II | 104.6 | $r$ | 108.5 |  | 103.8 | $r$ | 106.5 | $r$ | 99.8 | $r$ | 101.8 | $r$ | 108.3 | $r$ | 104.5 |  |
|  | I | 104.0 | $r$ | 107.9 |  | 103.7 | $r$ | 106.3 | $r$ | 99.9 | $r$ | 102.1 | $r$ | 106.5 | $r$ | 103.9 |  |

Table 3. Manufacturing sector: Productivity, hourly compensation, and unit labor costs, seasonally adjusted

|  |  |  | Real |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | Output |  | Compen- | compen- |  |
| Year | per hour |  | Hours | sation | sation |
| and | of all | of all | per hour | per hour | Unit |
| quarter | persons | output | persons | (1) | (2) |

Percent change from previous quarter at annual rate(5)

| 2014 | ANNUAL | 2.2 | $r$ | 3.8 | $r$ | 1.6 | $r$ | 2.3 | r | 0.6 | $r$ | 0.1 | $r$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2014 | IV | -0.1 | $r$ | 4.3 | $r$ | 4.4 | $r$ | 1.4 | $r$ | 2.7 | $r$ | 1.5 | $r$ |
|  | III | 3.5 | $r$ | 4.9 | $r$ | 1.4 | $r$ | 2.1 | $r$ | 1.0 | $r$ | -1.3 | $r$ |
|  | II | 3.7 |  | 7.3 |  | 3.4 |  | -1.9 |  | -4.8 |  | -5.4 |  |
|  | I | 2.6 | $r$ | 1.6 |  | -1.0 | $r$ | 8.3 | $r$ | 6.3 | $r$ | 5.5 |  |
| 2013 | ANNUAL | 1.9 | $r$ | 2.7 |  | 0.8 | $r$ | 0.5 | r | -0.9 | $r$ | -1.4 |  |
| 2013 | IV | 0.8 | $r$ | 4.7 |  | 3.9 | $r$ | 0.3 | $r$ | -0.9 | $r$ | -0.5 |  |
|  | III | 0.2 | $r$ | 1.7 |  | 1.5 | $r$ | 0.2 | $r$ | -1.8 | $r$ | 0.0 |  |
|  | II | 3.9 | $r$ | 1.5 |  | -2.3 | $r$ | 3.0 | $r$ | 2.5 | $r$ | -0.9 |  |
|  | I | 2.4 | $r$ | 4.8 |  | 2.3 | $r$ | -2.9 | $r$ | -4.0 | $r$ | -5.2 |  |
| 2012 | ANNUAL | 1.0 |  | 3.3 |  | 2.3 |  | 1.8 | r | -0.3 |  | 0.8 |  |
| 2012 | IV | 2.3 | $r$ | 2.4 |  | 0.1 | $r$ | 4.7 | r | 2.2 | $r$ | 2.4 |  |
|  | III | 0.6 | $r$ | 1.2 |  | 0.6 | $r$ | -1.6 | $r$ | -3.2 | $r$ | -2.1 |  |
|  | II | 0.6 | $r$ | 2.4 |  | 1.8 | $r$ | -0.1 | $r$ | -1.4 | $r$ | -0.7 |  |
|  | I | 2.9 | $r$ | 6.1 |  | 3.0 | $r$ | 10.8 | $r$ | 8.5 | $r$ | 7.6 |  |

Percent change from corresponding quarter of previous year

| 2014 | ANNUAL | 2.2 | $r$ | 3.8 | $r$ | 1.6 | $r$ | 2.3 | $r$ | 0.6 | $r$ | 0.1 r |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2014 | IV | 2.4 | $r$ | 4.5 | $r$ | 2.0 | $r$ | 2.4 |  | 1.2 |  | 0.0 r |
|  | III | 2.6 | $r$ | 4.6 |  | 1.9 | $r$ | 2.1 | $r$ | 0.3 | $r$ | -0.5 r |
|  | II | 1.8 | $r$ | 3.8 |  | 2.0 | $r$ | 1.6 | $r$ | -0.4 | $r$ | -0.2 |
|  | I | 1.9 | $r$ | 2.4 |  | 0.5 | $r$ | 2.9 | $r$ | 1.5 | $r$ | 1.0 |
| 2013 | ANNUAL | 1.9 | $r$ | 2.7 |  | 0.8 | r | 0.5 | r | -0.9 | $r$ | -1.4 |
| 2013 | IV | 1.8 | $r$ | 3.2 |  | 1.3 | $r$ | 0.1 | $r$ | -1.1 | $r$ | -1.7 |
|  | III | 2.2 | $r$ | 2.6 |  | 0.4 | $r$ | 1.2 | $r$ | -0.3 | $r$ | -1.0 |
|  | II | 2.3 | $r$ | 2.4 |  | 0.2 | $r$ | 0.8 | $r$ | -0.7 | $r$ | -1.5 |
|  | I | 1.5 |  | 2.7 |  | 1.2 | $r$ | 0.0 |  | -1.6 |  | -1.5 r |
| 2012 | ANNUAL | 1.0 |  | 3.3 |  | 2.3 |  | 1.8 | $r$ | -0.3 |  | 0.8 |
| 2012 | IV | 1.6 | $r$ | 3.0 |  | 1.4 | $r$ | 3.4 | $r$ | 1.4 | $r$ | 1.7 |
|  | III | 0.6 |  | 3.2 |  | 2.5 | $r$ | 1.0 | $r$ | -0.7 |  | 0.4 |
|  | II | 1.4 | $r$ | 4.0 |  | 2.5 | $r$ | 1.7 | $r$ | -0.2 | $r$ | 0.3 |
|  | I | 0.4 |  | 3.2 |  | 2.7 | $r$ | 1.1 | $r$ | -1.6 | $r$ | 0.7 |


| Indexes 2009=100 |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2014 | ANNUAL | 112.6 | $r$ | 120.3 | $r$ | 106.9 | $r$ | 107.8 | $r$ | 97.6 | $r$ | 95.7 r |
| 2014 | IV | 113.3 | $r$ | 122.5 | $r$ | 108.2 | $r$ | 108.2 | $r$ | 98.0 | $r$ | 95.5 r |
|  | III | 113.3 | $r$ | 121.2 | $r$ | 107.0 | $r$ | 107.8 | $r$ | 97.3 | $r$ | 95.2 r |
|  | II | 112.4 | $r$ | 119.8 |  | 106.6 | $r$ | 107.3 | $r$ | 97.1 | $r$ | 95.5 r |
|  | I | 111.3 | $r$ | 117.7 |  | 105.7 | $r$ | 107.8 | $r$ | 98.3 | $r$ | 96.8 r |
| 2013 | ANNUAL | 110.2 | $r$ | 115.9 |  | 105.2 | $r$ | 105.4 | $r$ | 97.0 | $r$ | 95.6 r |
| 2013 | IV | 110.6 | $r$ | 117.2 |  | 106.0 | $r$ | 105.6 | $r$ | 96.8 | $r$ | 95.5 r |
|  | III | 110.4 | $r$ | 115.9 |  | 105.0 | $r$ | 105.6 | $r$ | 97.0 | $r$ | 95.6 r |
|  | II | 110.4 | $r$ | 115.4 |  | 104.6 | $r$ | 105.5 | $r$ | 97.5 | $r$ | 95.6 |
|  | I | 109.3 | $r$ | 115.0 |  | 105.2 | $r$ | 104.7 | $r$ | 96.9 | $r$ | 95.8 r |
| 2012 | ANNUAL | 108.1 | $r$ | 112.8 |  | 104.4 | $r$ | 104.8 | $r$ | 97.9 | $r$ | 97.0 |
| 2012 | IV | 108.7 | $r$ | 113.6 |  | 104.6 | $r$ | 105.5 | $r$ | 97.9 | $r$ | 97.1 r |
|  | III | 108.0 | $r$ | 113.0 |  | 104.6 | $r$ | 104.3 | $r$ | 97.3 | $r$ | 96.6 |
|  | II | 107.9 | $r$ | 112.7 |  | 104.4 | $r$ | 104.7 | $r$ | 98.1 | $r$ | 97.1 r |
|  | I | 107.7 |  | 112.0 |  | 104.0 |  | 104.7 |  | 98.5 |  | 97.2 |

See footnotes following Table 6

Table 4. Durable manufacturing sector: Productivity, hourly compensation, and unit labor costs, seasonally adjusted

|  |  |  | Real |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | Output |  | Compen- | compen- |  |
| Year | per hour |  | Hours | sation | sation |
| and | of all | of all | per hour | per hour | Unit |
| quarter | persons | output | persons | $(1)$ | labor |
| - |  |  |  | costs |  |

Percent change from previous quarter at annual rate(5)


Percent change from corresponding quarter of previous year

| 2014 | ANNUAL | 3.0 | $r$ | 5.3 | $r$ | 2.3 | $r$ | 1.9 |  | 0.3 |  | -1.0 r |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2014 | IV | 2.8 | $r$ | 5.5 | $r$ | 2.6 | $r$ | 2.4 | $r$ | 1.2 | $r$ | -0.4 r |
|  | III | 3.2 | $r$ | 6.3 |  | 3.0 | $r$ | 1.4 |  | -0.4 |  | -1.8 r |
|  | II | 2.8 | $r$ | 5.6 |  | 2.7 | $r$ | 1.2 | r | -0.8 | $r$ | -1.6 r |
|  | I | 3.1 | $r$ | 3.8 |  | 0.7 | $r$ | 2.7 | $r$ | 1.3 | $r$ | -0.4 |
| 2013 | ANNUAL | 3.0 | $r$ | 4.2 |  | 1.1 | $r$ | 0.0 | $r$ | -1.4 |  | -3.0 |
| 2013 | IV | 3.0 | $r$ | 4.9 |  | 1.9 | $r$ | -0.7 | $r$ | -1.9 | $r$ | -3.6 r |
|  | III | 3.4 | $r$ | 4.1 |  | 0.7 | $r$ | 1.2 | $r$ | -0.3 | $r$ | -2.1 |
|  | II | 3.2 | $r$ | 3.5 |  | 0.3 | $r$ | 0.3 | $r$ | -1.1 | $r$ | -2.8 r |
|  | I | 2.6 |  | 4.1 |  | 1.5 | $r$ | -0.8 | $r$ | -2.5 | $r$ | -3.3 |
| 2012 | ANNUAL | 3.0 |  | 6.0 |  | 2.9 |  | 1.4 | $r$ | -0.7 |  | -1.6 |
| 2012 | IV | 3.7 | $r$ | 5.1 |  | 1.3 | $r$ | 3.2 | $r$ | 1.2 | $r$ | -0.5 |
|  | III | 2.5 |  | 5.8 |  | 3.2 |  | 0.2 |  | -1.5 |  | -2.3 |
|  | II | 4.0 | $r$ | 7.3 |  | 3.3 | $r$ | 1.5 | $r$ | -0.4 | $r$ | -2.4 |
|  | I | 1.9 | $r$ | 5.9 |  | 3.9 | $r$ | 0.8 | $r$ | -2.0 | $r$ | -1.1 |


| Indexes 2009=100 |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2014 | ANNUAL | 123.1 | $r$ | 135.6 | $r$ | 110.2 | $r$ | 106.6 | $r$ | 96.6 | $r$ | 86.6 r |
| 2014 | IV | 124.0 | $r$ | 138.4 | $r$ | 111.6 | $r$ | 107.0 | $r$ | 96.8 | $r$ | 86.2 r |
|  | III | 123.9 | $r$ | 137.3 | $r$ | 110.8 | $r$ | 106.5 | $r$ | 96.1 | $r$ | 86.0 r |
|  | II | 122.8 | $r$ | 135.1 |  | 110.0 | $r$ | 106.1 | $r$ | 96.0 | $r$ | 86.4 r |
|  | I | 121.5 | $r$ | 131.8 |  | 108.5 | $r$ | 106.8 | $r$ | 97.4 | $r$ | 87.9 r |
| 2013 | ANNUAL | 119.5 | $r$ | 128.8 |  | 107.8 | $r$ | 104.6 | $r$ | 96.3 | $r$ | 87.5 r |
| 2013 | IV | 120.6 | $r$ | 131.2 |  | 108.8 | $r$ | 104.4 | $r$ | 95.7 | $r$ | 86.6 r |
|  | III | 120.0 | $r$ | 129.1 |  | 107.5 | $r$ | 105.0 | $r$ | 96.5 | $r$ | 87.5 |
|  | II | 119.5 | $r$ | 127.9 |  | 107.1 | $r$ | 104.8 | $r$ | 96.8 | $r$ | 87.7 |
|  | I | 117.8 | $r$ | 127.0 |  | 107.8 | $r$ | 104.0 | r | 96.2 | $r$ | 88.3 r |
| 2012 | ANNUAL | 116.0 | r | 123.7 |  | 106.6 |  | 104.6 |  | 97.7 |  | 90.2 |
| 2012 | IV | 117.2 | $r$ | 125.1 |  | 106.7 | $r$ | 105.2 | $r$ | 97.5 | $r$ | 89.8 r |
|  | III | 116.1 | $r$ | 124.0 |  | 106.8 | $r$ | 103.7 | $r$ | 96.8 | $r$ | 89.4 |
|  | II | 115.7 | $r$ | 123.6 |  | 106.8 | $r$ | 104.5 | $r$ | 97.9 | $r$ | 90.3 r |
|  | I | 114.9 | $r$ | 122.0 |  | 106.2 | $r$ | 104.9 | $r$ | 98.6 | $r$ | 91.3 |

See footnotes following Table 6.

Table 5. Nondurable manufacturing sector: Productivity, hourly compensation, and unit labor costs, seasonally adjusted

|  |  |  | Real |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | Output |  | Compen- | compen- |  |
| Year | per hour |  | Hours | sation | sation |
| and | of all | of all | per hour | per hour | Unit |
| quarter | persons | Output | persons | (1) | (2) |

Percent change from previous quarter at annual rate(5)

| 2014 | ANNUAL | 1.6 | $r$ | 2.2 |  | 0.5 | $r$ | 2.8 | r | 1.2 | $r$ | 1.1 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2014 | IV | -1.5 | $r$ | 5.4 | $r$ | 7.0 | $r$ | 1.1 | $r$ | 2.4 | $r$ | 2.7 |
|  | III | 4.4 | $r$ | 2.9 | $r$ | -1.4 | $r$ | 2.7 | $r$ | 1.6 | $r$ | -1.6 |
|  | II | 4.1 | $r$ | 4.0 |  | 0.0 | $r$ | -0.6 | $r$ | -3.6 | $r$ | -4.5 |
|  | I | 2.3 | $r$ | 1.4 |  | -0.9 | $r$ | 6.2 | r | 4.3 | $r$ | 3.9 |
| 2013 | ANNUAL | 1.1 | $r$ | 1.3 |  | 0.2 | $r$ | 1.4 | r | 0.0 | $r$ | 0.4 |
| 2013 | IV | -0.1 | $r$ | 2.3 |  | 2.4 | $r$ | 5.2 | $r$ | 3.9 | $r$ | 5.3 |
|  | III | -1.7 | $r$ | -0.4 |  | 1.2 | $r$ | -1.2 | $r$ | -3.2 | $r$ | 0.4 |
|  | II | 1.7 | $r$ | -0.1 |  | -1.8 | $r$ | 2.9 | $r$ | 2.4 | $r$ | 1.2 |
|  | I | 3.4 |  | 3.1 |  | -0.3 |  | -0.5 |  | -1.6 |  | -3.8 |
| 2012 | ANNUAL | 0.0 |  | 1.3 |  | 1.2 | $r$ | 2.4 |  | 0.3 |  | 2.4 |
| 2012 | IV | 0.8 | $r$ | 1.2 |  | 0.4 | $r$ | 3.1 | $r$ | 0.7 | $r$ | 2.3 |
|  | III | 0.1 | $r$ | 1.7 |  | 1.6 | $r$ | 1.1 | $r$ | -0.6 | $r$ | 1.0 |
|  | II | -0.9 | $r$ | -0.1 |  | 0.8 | $r$ | 2.5 | $r$ | 1.2 | $r$ | 3.5 |
|  | I | -0.5 |  | 2.6 |  | 3.1 | $r$ | 8.4 | r | 6.2 | $r$ | 8.9 |

Percent change from corresponding quarter of previous year

| 2014 | ANNUAL | 1.6 | $r$ | 2.2 |  | 0.5 | $r$ | 2.8 | $r$ | 1.2 | $r$ | 1.1 r |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2014 | IV | 2.3 | $r$ | 3.4 | r | 1.1 | $r$ | 2.3 | $r$ | 1.1 | $r$ | 0.1 r |
|  | III | 2.6 | $r$ | 2.6 |  | 0.0 | $r$ | 3.4 | $r$ | 1.5 | $r$ | 0.7 r |
|  | II | 1.1 | $r$ | 1.8 |  | 0.7 | $r$ | 2.3 | $r$ | 0.3 | $r$ | 1.2 |
|  | I | 0.5 | $r$ | 0.8 |  | 0.2 | $r$ | 3.2 | $r$ | 1.8 | $r$ | 2.7 |
| 2013 | ANNUAL | 1.1 | $r$ | 1.3 |  | 0.2 | $r$ | 1.4 | $r$ | 0.0 | $r$ | 0.4 |
| 2013 | IV | 0.8 | $r$ | 1.2 |  | 0.4 | $r$ | 1.5 | $r$ | 0.3 | $r$ | 0.7 |
|  | III | 1.1 | $r$ | 0.9 |  | -0.1 | $r$ | 1.0 | $r$ | -0.5 | $r$ | 0.0 |
|  | II | 1.5 |  | 1.5 |  | 0.0 |  | 1.6 |  | 0.2 |  | 0.1 |
|  | I | 0.8 |  | 1.5 |  | 0.6 | $r$ | 1.5 |  | -0.1 |  | 0.7 |
| 2012 | ANNUAL | 0.0 |  | 1.3 |  | 1.2 | $r$ | 2.4 |  | 0.3 |  | 2.4 |
| 2012 | IV | -0.1 | $r$ | 1.4 |  | 1.5 |  | 3.8 | $r$ | 1.8 |  | 3.9 |
|  | III | -0.3 | $r$ | 1.2 |  | 1.4 | $r$ | 2.3 | $r$ | 0.6 | $r$ | 2.6 |
|  | II | 0.1 | $r$ | 1.3 |  | 1.2 | $r$ | 2.0 |  | 0.0 | $r$ | 1.9 |
|  | I | 0.5 | $r$ | 1.2 |  | 0.7 | r | 1.6 | $r$ | -1.2 | $r$ | 1.1 |


| Indexes 2009=100 |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2014 | ANNUAL | 106.9 | $r$ | 108.5 | $r$ | 101.5 | $r$ | 109.3 | $r$ | 99.0 | $r$ | 102.3 r |
| 2014 | IV | 107.4 | $r$ | 110.3 | $r$ | 102.6 | $r$ | 109.9 | $r$ | 99.5 | $r$ | 102.3 r |
|  | III | 107.8 | $r$ | 108.8 | $r$ | 100.9 | $r$ | 109.6 | $r$ | 98.9 | $r$ | 101.6 r |
|  | II | 106.7 | $r$ | 108.1 |  | 101.3 | $r$ | 108.8 | $r$ | 98.5 | $r$ | 102.0 r |
|  | I | 105.6 | $r$ | 107.0 |  | 101.3 | $r$ | 109.0 | $r$ | 99.4 | $r$ | 103.2 r |
| 2013 | ANNUAL | 105.2 | r | 106.2 |  | 101.0 | $r$ | 106.3 | r | 97.9 | $r$ | 101.1 r |
| 2013 | IV | 105.0 | $r$ | 106.6 |  | 101.5 | $r$ | 107.4 | $r$ | 98.3 | $r$ | 102.2 r |
|  | III | 105.1 | $r$ | 106.0 |  | 100.9 | $r$ | 106.0 | $r$ | 97.4 | $r$ | 100.9 r |
|  | II | 105.5 | $r$ | 106.1 |  | 100.6 | $r$ | 106.3 | $r$ | 98.2 | $r$ | 100.8 r |
|  | I | 105.0 | $r$ | 106.2 |  | 101.1 | $r$ | 105.6 | $r$ | 97.6 | $r$ | 100.5 |
| 2012 | ANNUAL | 104.1 | r | 104.9 |  | 100.8 | $r$ | 104.8 | $r$ | 97.9 | $r$ | 100.7 r |
| 2012 | IV | 104.2 | $r$ | 105.4 |  | 101.1 | $r$ | 105.7 | $r$ | 98.0 | $r$ | 101.5 r |
|  | III | 104.0 | $r$ | 105.0 |  | 101.0 | $r$ | 104.9 | $r$ | 97.9 | r | 100.9 r |
|  | II | 103.9 | $r$ | 104.6 |  | 100.6 | $r$ | 104.6 | $r$ | 98.0 | $r$ | 100.7 r |
|  | I | 104.2 | $r$ | 104.6 |  | 100.4 | $r$ | 104.0 | $r$ | 97.7 | $r$ | 99.8 r |

See footnotes following Table 6.

Table 6. Nonfinancial corporate sector: Productivity, hourly compensation, unit labor costs, unit profits, and prices, seasonally adjusted


Percent change from corresponding quarter of previous year

| 2014 | III | 0.6 |  | 3.5 | 2.9 | $r$ | 1.5 | $r$ | -0.3 | $r$ | 1.0 | -0.6 | 0.5 | 2.3 | 0.7 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | II | -0.4 | $r$ | 2.4 | 2.9 | $r$ | 1.1 | $r$ | -0.9 | $r$ | 1.6 | -0.3 | 1.0 | 0.2 | 0.8 |
|  | I | -0.1 |  | 1.9 | 2.0 |  | 2.2 |  | 0.8 |  | 2.3 | 0.7 | 1.7 | -7.2 | 0.4 |
| 2013 | ANNUAL | 0.3 |  | 2.3 | 2.0 |  | 1.3 | $r$ | -0.1 |  | 1.1 | 0.1 | 0.8 | 1.4 | 0.9 |
| 2013 | IV | -0.2 | $r$ | 2.2 | 2.4 | $r$ | 0.1 | $r$ | -1.1 | $r$ | 0.3 | 0.7 | 0.5 | -0.1 | 0.4 |
|  | III | 0.8 |  | 3.0 | 2.2 | $r$ | 1.8 | $r$ | 0.3 | $r$ | 1.0 | -0.3 | 0.6 | 2.0 | 0.8 |
|  | II | 0.4 |  | 2.3 | 1.9 |  | 2.0 |  | 0.5 |  | 1.5 | -0.3 | 0.9 | 1.2 | 1.0 |
|  | I | 0.1 |  | 1.8 | 1.7 |  | 1.4 | $r$ | -0.2 |  | 1.4 | 0.4 | 1.0 | 2.8 | 1.3 |
| 2012 | ANNUAL | 1.9 |  | 4.3 | 2.4 | $r$ | 2.8 | $r$ | 0.7 | $r$ | 0.9 | -0.7 | 0.4 | 7.9 | 1.4 |
| 2012 | IV | 1.9 | $r$ | 3.8 | 1.8 |  | 5.2 |  | 3.2 |  | 3.2 | -1.0 | 1.8 | 2.9 | 2.0 |
|  | III | 1.8 |  | 3.8 | 2.0 |  | 2.1 |  | 0.5 |  | 0.3 | -0.7 | 0.0 | 4.1 | 0.5 |
|  | II | 2.0 |  | 4.4 | 2.4 |  | 2.4 |  | 0.5 |  | 0.4 | -0.5 | 0.1 | 8.8 | 1.3 |
|  | I | 2.0 |  | 5.3 | 3.2 |  | 1.7 |  | -1.1 |  | -0.4 | -0.7 | -0.5 | 17.3 | 1.7 |


| 2014 | III | 108.0 | $r$ | 119.7 | 110.9 | $r$ | 109.8 | $r$ | 99.1 | $r$ | 101.7 | 97.5 | 100.3 | 150.3 | 105.5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | II | 107.5 | $r$ | 118.4 | 110.1 | $r$ | 109.5 | $r$ | 99.1 | $r$ | 101.9 | 97.3 | 100.3 | 148.2 | 105.3 |
|  | I | 107.0 | $r$ | 116.5 | 108.9 | $r$ | 109.9 | $r$ | 100.2 | $r$ | 102.8 | 98.8 | 101.4 | 134.6 | 104.9 |
| 2013 | ANNUAL | 107.4 | $r$ | 115.5 | 107.5 | $r$ | 108.1 | $r$ | 99.5 | $r$ | 100.6 | 98.0 | 99.7 | 146.4 | 104.6 |
| 2013 | IV | 107.3 | $r$ | 116.3 | 108.4 | $r$ | 108.3 | $r$ | 99.2 | $r$ | 100.9 | 98.2 | 100.0 | 145.5 | 104.8 |
|  | III | 107.4 | $r$ | 115.7 | 107.7 | $r$ | 108.1 | $r$ | 99.4 | $r$ | 100.7 | 98.1 | 99.8 | 147.0 | 104.8 |
|  | II | 108.0 | $r$ | 115.6 | 107.1 | $r$ | 108.3 | $r$ | 100.0 | $r$ | 100.3 | 97.5 | 99.4 | 148.0 | 104.5 |
|  | I | 107.1 | $r$ | 114.3 | 106.8 | $r$ | 107.6 | $r$ | 99.5 | $r$ | 100.5 | 98.2 | 99.7 | 145.0 | 104.4 |
| 2012 | ANNUAL | 107.1 | $r$ | 112.9 | 105.3 | $r$ | 106.6 | $r$ | 99.6 | $r$ | 99.5 | 97.9 | 99.0 | 144.3 | 103.7 |
| 2012 | IV | 107.5 | $r$ | 113.9 | 105.9 | $r$ | 108.1 | $r$ | 100.3 | $r$ | 100.6 | 97.5 | 99.6 | 145.7 | 104.4 |
|  | III | 106.5 | $r$ | 112.3 | 105.4 | $r$ | 106.2 | $r$ | 99.1 | $r$ | 99.7 | 98.3 | 99.2 | 144.1 | 103.9 |
|  | II | 107.5 | $r$ | 113.0 | 105.1 | $r$ | 106.2 | $r$ | 99.5 | $r$ | 98.8 | 97.8 | 98.4 | 146.2 | 103.4 |
|  | I | 107.0 | $r$ | 112.3 | 104.9 | $r$ | 106.1 | $r$ | 99.7 | $r$ | 99.1 | 97.8 | 98.7 | 141.1 | 103.1 |

See footnotes following Table 6.

SOURCES: Output data are from the Bureau of Economic Analysis and the Census Bureau of the U.S. Department of Commerce; the Bureau of Labor Statistics, U.S. Department of Labor; and the Federal Reserve Board. Hours and compensation data are from the Bureau of Labor Statistics and the Bureau of Economic Analysis.

RELIABILITY: Productivity and cost measures are regularly revised as more complete information becomes available. The measures are first published within 40 days of the close of the reference period; revisions appear 30 days later, and second revisions after an additional 60 days. In the business sector, the third publication (second revision) of a quarterly index of output per hour of all persons has differed from the initial value by between -1.6 and 1.5 index points approximately 95 percent of the time. This interval is based on the performance of this measure between the fourth quarter of 1995 and the third quarter of 2014.

## Table Footnotes

(1) Wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. Except for nonfinancial corporations, where there are no self-employed, data also include an estimate of wages, salaries, and supplemental payments for the self-employed.
(2) The change for recent quarters is based on the Consumer Price Index for all urban consumers (CPI-U). The trend from 1978-2013 is based on the Consumer Price Index research series (CPI-U-RS).
(3) Unit nonlabor payments include profits, consumption of fixed capital, taxes on production and imports less subsidies, net interest and miscellaneous payments, business current transfer payments, rental income of persons, and the current surplus of government enterprises.
(4) Current dollar output divided by the output index.
(5) Quarterly changes: Percent change compounded at annual rate is calculated using index numbers to three decimal places. Indexes published in the news release are rounded to one decimal place for convenience. Annual changes: Percent change is calculated using annual indexes to three decimal places.
(6) Unit nonlabor costs include consumption of fixed capital, taxes on production and imports less subsidies, net interest and miscellaneous payments, and business current transfer payments.
(7) Total unit costs are the sum of unit labor and nonlabor costs.
(8) Unit profits include corporate profits before tax with inventory valuation and capital consumption adjustments.

Appendix table 1
Business sector: Revised productivity, hourly compensation, unit labor costs, and prices, seasonally adjusted

|  | Output |  |  |  | Real |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | compen- |  | Unit | Implicit |
| Year and | per hour of all |  | Hours of all | sation per hour | sation per hour | Unit <br> labor | nonlabor payments | $\begin{aligned} & \text { price } \\ & \text { deflator } \end{aligned}$ |
| quarter | persons | Output | persons | (1) | (2) | costs | (3) | (4) |


| 2011 | ANNUAL | 0.1 | $r$ | 2.1 | 2.0 | $r$ | 2.2 | $r$ | -1.0 |  | 2.1 | 2.3 |  | 2.2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | IV | 3.2 | $r$ | 6.1 | 2.8 | r | -4.8 | $r$ | -6.2 | r | -7.7 | 13.0 | $r$ | 0.8 |
|  | III | -1.0 | $r$ | 1.1 | 2.2 |  | 2.1 |  | -0.5 |  | 3.2 | 2.1 |  | 2.7 |
|  | II | 1.3 | $r$ | 3.8 | 2.5 | $r$ | -1.7 | $r$ | -6.4 | $r$ | -2.9 | 11.6 | $r$ | 3.1 |
|  | I | -3.3 | $r$ | -2.2 | 1.2 | $r$ | 7.0 | $r$ | 2.7 | $r$ | 10.6 | -9.1 |  | 1.7 |
| 2010 | ANNUAL | 3.3 |  | 3.2 | -0.1 |  | 1.9 |  | 0.2 |  | -1.4 | 4.7 |  | 1.1 |
| 2010 | IV | 1.2 | $r$ | 3.4 | 2.1 | $r$ | 1.6 | $r$ | -1.5 | $r$ | 0.3 | 5.4 |  | 2.5 |
|  | III | 2.3 | $r$ | 4.1 | 1.8 | r | 2.1 | $r$ | 0.8 | $r$ | -0.2 | 4.4 |  | 1.7 |
|  | II | 1.6 | $r$ | 5.0 | 3.4 | $r$ | 4.5 | $r$ | 4.5 | $r$ | 2.9 | -0.4 | $r$ | 1.5 |
|  | I | 1.6 | $r$ | 2.0 | 0.4 | $r$ | -3.0 | $r$ | -3.5 | $r$ | -4.5 | 10.6 |  | 1.7 |
| 2009 | ANNUAL | 3.3 |  | -4.1 | -7.1 |  | 1.0 |  | 1.4 |  | -2.2 | 3.8 |  | 0.2 |
| 2009 | IV | 4.9 |  | 4.9 | -0.1 |  | 2.4 |  | -0.9 |  | -2.4 | 6.4 |  | 1.2 |
|  | III | 6.7 |  | 1.5 | -4.9 |  | 3.1 |  | -0.3 |  | -3.3 | 3.8 |  | -0.4 |
|  | II | 7.9 |  | -1.1 | -8.4 |  | 9.9 |  | 7.8 |  | 1.9 | -6.3 |  | -1.6 |
|  | I | 3.1 |  | -7.2 | -10.0 |  | -9.4 |  | -7.0 |  | -12.2 | 23.0 |  | 0.8 |

Percent change from corresponding quarter of previous year

| 2011 | ANNUAL | 0.1 | $r$ | 2.1 | 2.0 | r | 2.2 | $r$ | -1.0 | 2.1 | 2.3 |  | 2.2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | IV | 0.0 |  | 2.2 | 2.2 |  | 0.6 |  | -2.7 | 0.6 | 4.0 |  | 2.1 |
|  | III | -0.5 | $r$ | 1.5 | 2.0 | $r$ | 2.2 | $r$ | -1.5 r | 2.7 | 2.2 |  | 2.5 |
|  | II | 0.3 |  | 2.2 | 1.9 |  | 2.2 |  | -1.2 | 1.8 | 2.8 |  | 2.2 |
|  | I | 0.4 |  | 2.5 | 2.1 |  | 3.8 | $r$ | 1.6 | 3.3 | -0.1 |  | 1.8 |
| 2010 | ANNUAL | 3.3 |  | 3.2 | -0.1 |  | 1.9 |  | 0.2 | -1.4 | 4.7 |  | 1.1 |
| 2010 | IV | 1.7 |  | 3.6 | 1.9 |  | 1.2 |  | 0.0 | -0.4 | 4.9 |  | 1.9 |
|  | III | 2.6 |  | 4.0 | 1.4 | r | 1.4 | $r$ | 0.2 | -1.1 | 5.2 |  | 1.5 |
|  | II | 3.7 | $r$ | 3.3 | -0.3 |  | 1.7 |  | -0.1 | -1.9 | 5.1 |  | 1.0 |
|  | I | 5.2 | $r$ | 1.8 | -3.3 |  | 3.0 |  | 0.7 | -2.1 | 3.5 | $r$ | 0.2 |
| 2009 | ANNUAL | 3.3 |  | -4.1 | -7.1 |  | 1.0 |  | 1.4 | -2.2 | 3.8 |  | 0.2 |
| 2009 | IV | 5.6 |  | -0.6 | -5.9 |  | 1.3 |  | -0.2 | -4.2 | 6.2 |  | 0.0 |
|  | III | 3.8 |  | -4.6 | -8.1 |  | 1.7 |  | 3.3 | -2.1 | 1.8 |  | -0.5 |
|  | II | 2.4 |  | -5.8 | -8.0 |  | 1.7 |  | 2.7 | -0.6 | 1.7 |  | 0.3 |
|  | I | 1.4 |  | -5.1 | -6.4 |  | -0.5 |  | -0.3 | -1.9 | 5.7 |  | 1.1 |

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| 2011 | ANNUAL | 103.4 | $r$ | 105.3 | 101.9 | $r$ | 104.1 | $r$ | 99.2 | $r$ | 100.7 | $r$ | 107.0 | $r$ | 103.3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | IV | 103.9 | $r$ | 106.9 | 102.9 | $r$ | 103.3 | $r$ | 97.6 | $r$ | 99.4 | $r$ | 110.5 | $r$ | 104.0 |
|  | III | 103.1 | $r$ | 105.3 | 102.2 | $r$ | 104.6 | $r$ | 99.2 | $r$ | 101.4 | $r$ | 107.2 | $r$ | 103.8 |
|  | II | 103.4 | $r$ | 105.1 | 101.6 | $r$ | 104.0 | $r$ | 99.3 | $r$ | 100.6 | $r$ | 106.6 | $r$ | 103.1 |
|  | I | 103.1 | $r$ | 104.1 | 101.0 | $r$ | 104.5 | $r$ | 100.9 | $r$ | 101.4 | $r$ | 103.7 | $r$ | 102.3 |
| 2010 | ANNUAL | 103.3 | $r$ | 103.2 | 99.9 | $r$ | 101.9 |  | 100.2 | $r$ | 98.6 |  | 104.7 |  | 101.1 |
| 2010 | IV | 103.9 | $r$ | 104.7 | 100.7 | $r$ | 102.7 | $r$ | 100.3 | $r$ | 98.8 | $r$ | 106.2 | $r$ | 101.9 |
|  | III | 103.6 | $r$ | 103.8 | 100.2 | $r$ | 102.3 | $r$ | 100.7 | $r$ | 98.7 | $r$ | 104.8 | $r$ | 101.3 |
|  | II | 103.0 | $r$ | 102.8 | 99.7 | $r$ | 101.8 | $r$ | 100.5 | $r$ | 98.8 | $r$ | 103.7 | $r$ | 100.9 |
|  | I | 102.6 | $r$ | 101.5 | 98.9 | $r$ | 100.7 | $r$ | 99.4 | $r$ | 98.1 | $r$ | 103.8 | $r$ | 100.5 |
| 2009 | ANNUAL | 100.0 |  | 100.0 | 100.0 |  | 100.0 |  | 100.0 |  | 100.0 |  | 100.0 |  | 100.0 |
| 2009 | IV | 102.2 | $r$ | 101.0 | 98.8 | $r$ | 101.4 | $r$ | 100.3 | $r$ | 99.2 |  | 101.2 |  | 100.1 |
|  | III | 101.0 |  | 99.8 | 98.8 | $r$ | 100.8 |  | 100.5 |  | 99.9 |  | 99.7 |  | 99.8 |
|  | II | 99.4 | $r$ | 99.4 | 100.1 | $r$ | 100.1 | $r$ | 100.6 | $r$ | 100.7 |  | 98.7 |  | 99.9 |
|  | I | 97.5 |  | 99.7 | 102.3 |  | 97.7 |  | 98.7 |  | 100.2 |  | 100.4 |  | 100.3 |

See footnotes following Table 6. March 5, 2015 r=revised

Appendix table 2.
Nonfarm business sector: Revised productivity, hourly compensation, unit labor costs, and prices, seasonally adjusted

| Year | Output |  | Hours |  | Real |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Compensation | compen- <br> sation | Unit | Unit nonlabor | Implicit <br> price |
| and | of all |  |  | of all | per hour | per hour | labor | payments | deflator |
| quarter | persons | Output | persons | (1) | (2) | costs | (3) | (4) |


| 2011 | ANNUAL | 0.2 | $r$ | 2.2 | 2.0 | $r$ | 2.2 |  | -0.9 |  | 2.1 |  | 1.4 |  | 1.8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | IV | 3.0 | r | 5.8 | 2.8 | $r$ | -5.0 | $r$ | -6.4 | $r$ | -7.7 |  | 14.3 |  | 1.3 |
|  | III | -0.9 |  | 1.1 | 2.0 |  | 2.4 |  | -0.3 |  | 3.3 |  | 1.5 |  | 2.5 |
|  | II | 1.5 | $r$ | 4.5 | 2.9 | $r$ | -2.0 | $r$ | -6.7 | $r$ | -3.5 |  | 11.9 | $r$ | 2.8 |
|  | I | -3.3 | $r$ | -2.5 | 0.9 | $r$ | 7.3 | $r$ | 3.0 | $r$ | 11.0 |  | -11.2 |  | 0.9 |
| 2010 | ANNUAL | 3.3 |  | 3.2 | -0.1 |  | 2.0 |  | 0.3 |  | -1.3 |  | 4.2 |  | 1.0 |
| 2010 | IV | 1.6 | $r$ | 3.8 | 2.1 | $r$ | 1.8 | $r$ | -1.3 | $r$ | 0.2 | $r$ | 4.3 |  | 1.9 |
|  | III | 2.1 | $r$ | 4.1 | 2.0 | $r$ | 1.9 | $r$ | 0.6 | $r$ | -0.2 |  | 3.8 |  | 1.5 |
|  | II | 1.5 | $r$ | 4.7 | 3.2 | $r$ | 4.8 | $r$ | 4.8 | $r$ | 3.2 |  | -0.5 |  | 1.6 |
|  | I | 2.1 | $r$ | 2.2 | 0.1 | $r$ | -2.7 | $r$ | -3.2 | $r$ | -4.8 |  | 10.8 |  | 1.6 |
| 2009 | ANNUAL | 3.2 |  | -4.3 | -7.2 |  | 1.1 |  | 1.5 |  | -2.0 |  | 4.4 |  | 0.6 |
| 2009 | IV | 4.8 |  | 5.1 | 0.3 |  | 2.4 |  | -0.8 |  | -2.3 |  | 4.7 |  | 0.6 |
|  | III | 6.0 |  | 0.9 | -4.8 |  | 2.8 |  | -0.6 |  | -3.0 |  | 4.2 |  | -0.1 |
|  | II | 7.9 |  | -1.2 | -8.4 |  | 10.1 |  | 7.9 |  | 2.1 |  | -6.7 |  | -1.6 |
|  | I | 3.2 |  | -7.3 | -10.1 |  | -9.5 |  | -7.1 |  | -12.3 |  | 25.1 |  | 1.3 |

Percent change from corresponding quarter of previous year

| 2011 | ANNUAL | 0.2 | $r$ | 2.2 | 2.0 | r | 2.2 |  | -0.9 |  | 2.1 |  | 1.4 | 1.8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | IV | 0.0 | $r$ | 2.2 | 2.1 |  | 0.6 |  | -2.7 |  | 0.5 |  | 3.6 | 1.9 |
|  | III | -0.3 |  | 1.7 | 2.0 |  | 2.3 | $r$ | -1.4 |  | 2.6 |  | 1.3 | 2.0 |
|  | II | 0.4 |  | 2.4 | 2.0 |  | 2.2 |  | -1.2 |  | 1.7 |  | 1.8 | 1.8 |
|  | I | 0.4 |  | 2.5 | 2.0 | r | 3.9 |  | 1.7 |  | 3.4 |  | -1.1 | 1.5 |
| 2010 | ANNUAL | 3.3 |  | 3.2 | -0.1 |  | 2.0 |  | 0.3 |  | -1.3 |  | 4.2 | 1.0 |
| 2010 | IV | 1.8 |  | 3.7 | 1.9 |  | 1.4 |  | 0.2 | $r$ | -0.4 |  | 4.5 | 1.6 |
|  | III | 2.6 |  | 4.1 | 1.4 |  | 1.5 | $r$ | 0.3 |  | -1.1 |  | 4.6 | 1.3 |
|  | II | 3.6 |  | 3.2 | -0.3 |  | 1.8 | $r$ | 0.0 | $r$ | -1.8 |  | 4.7 | 0.9 |
|  | I | 5.2 |  | 1.8 | -3.3 |  | 3.1 |  | 0.7 | $r$ | -2.0 |  | 3.0 | 0.1 |
| 2009 | ANNUAL | 3.2 |  | -4.3 | -7.2 |  | 1.1 |  | 1.5 |  | -2.0 |  | 4.4 | 0.6 |
| 2009 | IV | 5.5 |  | -0.7 | -5.8 |  | 1.2 |  | -0.3 |  | -4.0 |  | 6.2 | 0.0 |
|  | III | 3.6 |  | -5.0 | -8.3 |  | 1.7 |  | 3.4 |  | -1.8 |  | 2.4 | -0.1 |
|  | II | 2.3 |  | -6.0 | -8.1 |  | 1.9 |  | 2.8 |  | -0.5 | r | 2.4 | 0.7 |
|  | I | 1.4 |  | -5.2 | -6.5 |  | -0.5 |  | -0.3 |  | -1.9 |  | 6.7 | 1.6 |

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| 2011 | ANNUAL | 103.5 | $r$ | 105.5 | 101.9 | $r$ | 104.2 | $r$ | 99.4 | $r$ | 100.7 | $r$ | 105.7 | $r$ | 102.8 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | IV | 104.0 | $r$ | 107.0 | 102.9 | $r$ | 103.4 | $r$ | 97.7 | $r$ | 99.4 | $r$ | 109.3 | $r$ | 103.5 |
|  | III | 103.3 | $r$ | 105.5 | 102.2 | $r$ | 104.7 | $r$ | 99.3 | $r$ | 101.4 | $r$ | 105.7 | $r$ | 103.2 |
|  | II | 103.5 | $r$ | 105.2 | 101.7 | $r$ | 104.1 | $r$ | 99.4 | $r$ | 100.6 | $r$ | 105.3 | $r$ | 102.6 |
|  | I | 103.1 | $r$ | 104.1 | 100.9 | $r$ | 104.7 | $r$ | 101.1 | $r$ | 101.5 | $r$ | 102.4 | $r$ | 101.9 |
| 2010 | ANNUAL | 103.3 | $r$ | 103.2 | 99.9 |  | 102.0 | $r$ | 100.3 | r | 98.7 |  | 104.2 |  | 101.0 |
| 2010 | IV | 104.0 | $r$ | 104.7 | 100.7 | $r$ | 102.8 | $r$ | 100.4 | $r$ | 98.9 | $r$ | 105.5 | $r$ | 101.6 |
|  | III | 103.6 | $r$ | 103.8 | 100.2 | $r$ | 102.4 | $r$ | 100.7 | $r$ | 98.8 | $r$ | 104.4 | $r$ | 101.2 |
|  | II | 103.0 | $r$ | 102.7 | 99.7 | $r$ | 101.9 | $r$ | 100.6 | $r$ | 98.9 | $r$ | 103.4 | $r$ | 100.8 |
|  | I | 102.7 | $r$ | 101.5 | 98.9 | $r$ | 100.7 | $r$ | 99.4 | $r$ | 98.1 | $r$ | 103.6 | $r$ | 100.4 |
| 2009 | ANNUAL | 100.0 |  | 100.0 | 100.0 |  | 100.0 |  | 100.0 |  | 100.0 |  | 100.0 |  | 100.0 |
| 2009 | IV | 102.1 | $r$ | 101.0 | 98.9 | $r$ | 101.4 | $r$ | 100.2 | $r$ | 99.3 |  | 100.9 |  | 100.0 |
|  | III | 100.9 | $r$ | 99.7 | 98.8 |  | 100.8 | $r$ | 100.4 | $r$ | 99.9 |  | 99.8 |  | 99.9 |
|  | II | 99.5 | $r$ | 99.5 | 100.0 | $r$ | 100.1 | $r$ | 100.6 | $r$ | 100.7 | $r$ | 98.8 |  | 99.9 |
|  | I | 97.6 |  | 99.8 | 102.3 |  | 97.7 | $r$ | 98.7 | $r$ | 100.1 |  | 100.5 |  | 100.3 |

See footnotes following Table 6. March 5, 2015 r=revised

Appendix table 3.
Manufacturing sector: Revised productivity, hourly compensation, and unit labor costs, seasonally adjusted

|  | Output |  |  |  | Real compen- |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | per hour |  | Hours | sation | sation | Unit |
| and | of all |  | of all | per hour | per hour | labor |
| quarter | persons | Output | persons | (1) | (2) | costs |

Percent change from previous quarter at annual rate(5)

| 2011 | ANNUAL | 0.8 |  | 2.9 | 2.1 |  | 1.7 |  | -1.4 |  | 1.0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | IV | -1.6 |  | 3.1 | 4.8 |  | -4.7 |  | -6.1 |  | -3.1 |
|  | III | 3.9 |  | 4.3 | 0.4 |  | 1.3 | $r$ | -1.3 |  | -2.5 |
|  | II | -3.3 | $r$ | -0.7 | 2.6 | $r$ | -2.3 | $r$ | -6.9 | $r$ | 1.0 |
|  | I | 0.8 | $r$ | 2.7 | 1.9 | $r$ | 3.7 | $r$ | -0.5 | $r$ | 2.9 |
| 2010 | ANNUAL | 6.2 |  | 6.2 | 0.0 |  | 1.2 | $r$ | -0.4 |  | -4.7 |
| 2010 | IV | 1.3 | $r$ | 1.2 | -0.1 | $r$ | 4.7 | $r$ | 1.6 | $r$ | 3.4 |
|  | III | 0.7 | $r$ | 5.5 | 4.8 | $r$ | 0.7 | $r$ | -0.6 | $r$ | 0.0 |
|  | II | 8.1 | $r$ | 11.6 | 3.2 | $r$ | 7.2 | $r$ | 7.2 | $r$ | -0.8 |
|  | I | 5.0 | $r$ | 7.3 | 2.2 | $r$ | -8.8 | $r$ | -9.3 | $r$ | -13.2 |
| 2009 | ANNUAL | -0.3 |  | -13.2 | -12.9 |  | 3.4 |  | 3.8 |  | 3.7 |
| 2009 | IV | 7.1 |  | 6.7 | -0. 5 | $r$ | 5.6 | $r$ | 2.2 |  | -1.4 |
|  | III | 12.5 | $r$ | 7.5 | -4.4 |  | 1.6 |  | -1.7 | $r$ | -9.6 |
|  | II | 5.9 |  | -10.4 | -15.4 |  | 10.0 |  | 7.8 |  | 3.9 |
|  | I | -3.4 |  | -23.4 | -20.7 |  | -5.9 |  | -3.4 |  | -2.6 |


| 2011 | ANNUAL | 0.8 |  | 2.9 | 2.1 |  | 1.7 |  | -1.4 |  | 1.0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | IV | -0.1 |  | 2.3 | 2.4 |  | -0.5 | $r$ | -3.7 | r | -0.4 |
|  | III | 0.7 |  | 1.9 | 1.2 |  | 1.8 |  | -1.8 |  | 1.2 |
|  | II | -0.1 |  | 2.2 | 2.3 | $r$ | 1.7 |  | -1.6 |  | 1.8 |
|  | I | 2.7 |  | 5.2 | 2.4 |  | 4.1 |  | 1.9 |  | 1.3 |
| 2010 | ANNUAL | 6.2 |  | 6.2 | 0.0 |  | 1.2 | $r$ | -0.4 |  | -4.7 |
| 2010 | IV | 3.7 | $r$ | 6.3 | 2.5 | $r$ | 0.8 |  | -0.4 |  | -2.9 |
|  | III | 5.2 |  | 7.7 | 2.4 |  | 1.0 |  | -0.3 |  | -4.0 |
|  | II | 8.1 |  | 8.2 | 0.1 |  | 1.2 |  | -0.6 |  | -6.4 |
|  | I | 7.6 | $r$ | 2.4 | -4.8 | $r$ | 1.9 |  | -0.4 |  | -5.3 |
| 2009 | ANNUAL | -0.3 |  | -13.2 | -12.9 |  | 3.4 |  | 3.8 |  | 3.7 |
| 2009 | IV | 5.4 |  | -5.8 | -10.6 |  | 2.7 |  | 1.1 |  | -2.6 |
|  | III | 1.7 |  | -12.7 | -14.2 |  | 3.7 |  | 5.4 |  | 2.0 |
|  | II | -2.5 |  | -17.2 | -15.0 |  | 4.6 |  | 5.6 |  | 7.3 |
|  | I | -5.1 |  | -16.3 | -11.8 |  | 2.6 |  | 2.8 |  | 8.1 |

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| 2011 | ANNUAL | 107.0 | $r$ | 109.2 | 102.1 | $r$ | 103.0 | $r$ | 98.2 | $r$ | 96.3 | $r$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | IV | 107.0 | $r$ | 110.4 | 103.2 | $r$ | 102.1 | $r$ | 96.5 | $r$ | 95.5 | r |
|  | III | 107.4 | $r$ | 109.5 | 102.0 | $r$ | 103.3 | $r$ | 98.0 | $r$ | 96.2 |  |
|  | II | 106.4 | $r$ | 108.4 | 101.9 | $r$ | 103.0 | $r$ | 98.3 | $r$ | 96.8 | $r$ |
|  | I | 107.3 | $r$ | 108.6 | 101.2 | $r$ | 103.6 | $r$ | 100.1 | $r$ | 96.6 | $r$ |
| 2010 | ANNUAL | 106.2 | r | 106.2 | 100.0 | $r$ | 101.2 | $r$ | 99.6 | $r$ | 95.3 |  |
| 2010 | IV | 107.0 | $r$ | 107.8 | 100.8 | $r$ | 102.6 | $r$ | 100.2 | $r$ | 95.9 | $r$ |
|  | III | 106.7 | $r$ | 107.5 | 100.8 | $r$ | 101.5 | $r$ | 99.8 | $r$ | 95.1 | $r$ |
|  | II | 106.5 | $r$ | 106.1 | 99.6 | $r$ | 101.3 | $r$ | 100.0 | $r$ | 95.1 | $r$ |
|  | I | 104.4 | $r$ | 103.2 | 98.8 | $r$ | 99.5 | $r$ | 98.2 | $r$ | 95.3 | $r$ |
| 2009 | ANNUAL | 100.0 |  | 100.0 | 100.0 |  | 100.0 |  | 100.0 |  | 100.0 |  |
| 2009 | IV | 103.2 | $r$ | 101.4 | 98.3 | $r$ | 101.9 | $r$ | 100.7 | $r$ | 98.7 |  |
|  | III | 101.4 | $r$ | 99.8 | 98.4 | $r$ | 100.5 | $r$ | 100.1 | $r$ | 99.1 |  |
|  | II | 98.5 | $r$ | 98.0 | 99.5 | $r$ | 100.1 | $r$ | 100.5 | $r$ | 101.6 | r |
|  | I | 97.1 |  | 100.8 | 103.8 |  | 97.7 |  | 98.7 |  | 100.7 |  |

[^0]Appendix table 4.
Durable manufacturing sector: Revised productivity, hourly compensation, and unit labor costs seasonally adjusted

| Year and quarter | Output per hour of all persons | Output | Hours of all persons | Compensation per hour (1) | Real compensation per hour (2) | Unit labor costs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Percent change from previous quarter at annual rate(5) |  |  |  |  |  |  |
| 2011 ANNUAL | 2.3 | 6.2 | 3.8 | 1.8 | -1.3 | -0.5 |
| 2011 IV | -1.0 r | 6.5 | 7.7 r | -6.1 r | -7.5 r | -5.1 |
| III | 7.0 r | 7.2 | 0.2 r | 2.2 r | -0.4 r | -4.5 |
| II | -4.9 r | -0.3 | 4.9 r | -4.2 r | -8.8 r | 0.7 |
| I | 3.1 | 7.1 | 4.0 r | 5.6 r | 1.4 | 2.5 |
| 2010 ANNUAL | 10.1 | 9.9 | -0.2 | 1.3 | -0.3 | -7.9 |
| 2010 IV | 1.9 r | 3.9 | 2.0 r | 4.5 r | 1.4 r | 2.6 |
| III | 3.3 r | 10.9 | 7.3 r | -1.4 r | -2.7 r | -4.6 |
| II | 16.2 r | 19.1 | 2.4 r | 12.1 r | 12.1 r | -3.6 |
| I | 10.4 r | 13.2 | 2.5 r | -11.9 r | -12.4 r | -20.2 |
| 2009 ANNUAL | -6.0 | -20.4 | -15.4 | 4.0 | 4.4 | 10.6 |
| 2009 IV | 8.6 r | 8.4 | -0.2 r | 6.8 r | 3.4 r | -1.6 |
| III | 18.5 r | 11.4 | -6.0 | 1.1 r | -2.3 r | -14.7 |
| II | 0.7 r | -19.6 | -20.1 r | 14.1 r | 11.8 r | 13.3 |
| I | -13.9 | -35.0 | -24.5 | -6.4 r | -3.9 r | 8.7 |

Percent change from corresponding quarter of previous year

| 2011 | ANNUAL | 2.3 |  | 6.2 | 3.8 |  | 1.8 |  | -1.3 |  | -0. 5 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | IV | 0.9 |  | 5.1 | 4.1 | $r$ | -0.7 | $r$ | -3.9 | $r$ | -1.6 |
|  | III | 1.7 | $r$ | 4.4 | 2.7 | $r$ | 2.0 | $r$ | -1.7 | $r$ | 0.3 |
|  | II | 0.8 | $r$ | 5.3 | 4.5 | $r$ | 1.0 | $r$ | -2.3 | $r$ | 0.3 |
|  | I | 6.0 |  | 10.1 | 3.9 |  | 5.1 |  | 2.9 |  | -0.8 |
| 2010 | ANNUAL | 10.1 |  | 9.9 | -0.2 |  | 1.3 |  | -0.3 |  | -7.9 |
| 2010 | IV | 7.8 | $r$ | 11.6 | 3.5 | $r$ | 0.4 | $r$ | -0.8 | $r$ | -6.8 |
|  | III | 9.5 | $r$ | 12.8 | 3.0 | $r$ | 1.0 | $r$ | -0.3 | $r$ | -7.8 |
|  | II | 13.4 | $r$ | 12.9 | -0.4 | $r$ | 1.6 | $r$ | -0.2 | $r$ | -10.4 |
|  | I | 9.4 | $r$ | 2.4 | -6.4 | $r$ | 2.1 | $r$ | -0.2 | $r$ | -6.7 |
| 2009 | ANNUAL | -6.0 |  | -20.4 | -15.4 |  | 4.0 |  | 4.4 |  | 10.6 |
| 2009 | IV | 2.8 |  | -10.9 | -13.3 |  | 3.6 |  | 2.1 |  | 0.8 |
|  | III | -4.4 |  | -20.4 | -16.7 |  | 4.1 |  | 5.8 |  | 8.9 |
|  | II | -9.6 |  | -25.8 | -17.9 |  | 5.5 |  | 6.5 |  | 16.8 |
|  | I | -11.4 |  | -23.4 | -13.5 |  | 2.6 |  | 2.8 |  | 15.8 |

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| 2011 | ANNUAL | 112.6 | $r$ | 116.7 | 103.6 | $r$ | 103.1 | $r$ | 98.4 | r | 91.6 | $r$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | IV | 112.9 | $r$ | 119.0 | 105.4 | $r$ | 101.9 | $r$ | 96.3 | $r$ | 90.3 | $r$ |
|  | III | 113.2 | $r$ | 117.2 | 103.5 | $r$ | 103.6 | $r$ | 98.2 | $r$ | 91.4 |  |
|  | II | 111.3 | $r$ | 115.2 | 103.4 | $r$ | 103.0 | $r$ | 98.3 | $r$ | 92.5 | $r$ |
|  | I | 112.7 | $r$ | 115.2 | 102.2 | $r$ | 104.1 | $r$ | 100.6 | $r$ | 92.3 | $r$ |
| 2010 | ANNUAL | 110.1 | $r$ | 109.9 | 99.8 | $r$ | 101.3 | $r$ | 99.7 | r | 92.1 |  |
| 2010 | IV | 111.9 | $r$ | 113.3 | 101.2 | $r$ | 102.7 | $r$ | 100.3 | $r$ | 91.8 | $r$ |
|  | III | 111.4 | $r$ | 112.2 | 100.7 | $r$ | 101.6 | $r$ | 99.9 | $r$ | 91.2 | $r$ |
|  | II | 110.5 | $r$ | 109.3 | 99.0 | $r$ | 101.9 | $r$ | 100.6 | $r$ | 92.3 | $r$ |
|  | I | 106.4 | $r$ | 104.7 | 98.4 | $r$ | 99.1 | $r$ | 97.8 | $r$ | 93.1 | $r$ |
| 2009 | ANNUAL | 100.0 |  | 100.0 | 100.0 |  | 100.0 |  | 100.0 |  | 100.0 |  |
| 2009 | IV | 103.8 | $r$ | 101.5 | 97.8 | $r$ | 102.2 | $r$ | 101.1 | $r$ | 98.5 |  |
|  | III | 101.7 | $r$ | 99.5 | 97.8 | $r$ | 100.6 | $r$ | 100.2 | $r$ | 98.9 |  |
|  | II | 97.4 | $r$ | 96.8 | 99.4 | $r$ | 100.3 | $r$ | 100.8 | $r$ | 102.9 |  |
|  | I | 97.3 | $r$ | 102.2 | 105.1 | $r$ | 97.1 |  | 98.0 |  | 99.8 |  |

See footnotes following Table 6. March 5, 2015 r=revised

Appendix table 5.
Nondurable manufacturing sector: Revised productivity, hourly compensation, and unit labor costs seasonally adjusted

| Real |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Output |  |  | Compen- | compen- |  |
| Year | per hour |  | Hours | sation | sation | Unit |
| and | of all |  | of all | per hour | per hour | labor |
| quarter | persons | Output | persons | (1) | (2) | costs |

Percent change from previous quarter at annual rate(5)

| 2011 | ANNUAL | 1.0 |  | 0.3 | -0.7 | $r$ | 1.2 |  | -1.9 |  | 0.2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | IV | 0.3 | $r$ | 0.4 | 0.1 | $r$ | -2.6 | $r$ | -4.0 | $r$ | -2.8 |
|  | III | 1.4 | $r$ | 2.2 | 0.8 | $r$ | -0.3 | $r$ | -2.8 | $r$ | -1.7 |
|  | II | 0.6 | $r$ | -0.4 | -1.0 | $r$ | 1.0 | $r$ | -3.8 | $r$ | 0.4 |
|  | I | 0.3 | $r$ | -1.1 | -1.4 | $r$ | -0.2 | $r$ | -4.2 | $r$ | -0.5 |
| 2010 | ANNUAL | 3.0 |  | 3.3 | 0.3 | $r$ | 1.1 | $r$ | -0.5 |  | -1.8 |
| 2010 | IV | 2.7 | $r$ | -0.6 | -3.2 | $r$ | 4.5 | $r$ | 1.4 | $r$ | 1.8 |
|  | III | 0.4 | $r$ | 1.2 | 0.8 | $r$ | 4.1 | $r$ | 2.8 | $r$ | 3.7 |
|  | II | 1.3 | $r$ | 5.9 | 4.5 | $r$ | -0.9 | $r$ | -0.9 | $r$ | -2.1 |
|  | I | 1.8 | $r$ | 3.5 | 1.6 |  | -3.0 |  | -3.5 |  | -4.8 |
| 2009 | ANNUAL | 2.2 |  | -6.7 | -8.7 |  | 3.0 |  | 3.4 |  | 0.8 |
| 2009 | IV | 6.4 |  | 5.5 | -0.8 |  | 3.4 |  | 0.1 |  | -2.8 |
|  | III | 4.6 |  | 2.6 | -1.9 |  | 3.1 |  | -0.3 |  | -1.4 |
|  | II | 5.0 |  | -2.4 | -7.1 |  | 4.0 |  | 1.9 |  | -1.0 |
|  | I | 2.2 |  | -12.1 | -13.9 |  | -4.0 |  | -1.5 |  | -6.1 |


| 2011 | ANNUAL | 1.0 |  | 0.3 | -0.7 | $r$ | 1.2 |  | -1.9 |  | 0.2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | IV | 0.6 | $r$ | 0.3 | -0.4 |  | -0.5 |  | -3.7 |  | -1.2 |
|  | III | 1.2 | $r$ | 0.0 | -1.2 | $r$ | 1.2 | $r$ | -2.4 | $r$ | 0.0 |
|  | II | 1.0 |  | -0.2 | -1.2 |  | 2.3 | $r$ | -1.0 |  | 1.3 |
|  | I | 1.2 |  | 1.3 | 0.1 |  | 1.9 |  | -0.3 |  | 0.7 |
| 2010 | ANNUAL | 3.0 |  | 3.3 | 0.3 | $r$ | 1.1 | $r$ | -0.5 |  | -1.8 |
| 2010 | IV | 1.5 |  | 2.5 | 0.9 |  | 1.1 |  | -0.1 |  | -0.4 |
|  | III | 2.4 | $r$ | 4.0 | 1.5 | $r$ | 0.9 | $r$ | -0.4 | $r$ | -1.6 r |
|  | II | 3.5 |  | 4.4 | 0.8 | $r$ | 0.6 |  | -1.2 |  | -2.8 |
|  | I | 4.4 | $r$ | 2.2 | -2.1 |  | 1.8 |  | -0.5 |  | -2.5 |
| 2009 | ANNUAL | 2.2 |  | -6.7 | -8.7 |  | 3.0 |  | 3.4 |  | 0.8 |
| 2009 | IV | 4.5 |  | -1.8 | -6.1 |  | 1.6 |  | 0.0 |  | -2.8 |
|  | III | 4.4 |  | -5.9 | -9.8 |  | 3.7 |  | 5.4 |  | -0.6 |
|  | II | 1.0 |  | -9.1 | -10.0 |  | 3.8 |  | 4.7 |  | 2.7 |
|  | I | -0.8 |  | -9.6 | -8.8 |  | 3.1 |  | 3.2 |  | 3.9 |

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| 2011 | ANNUAL | 104.0 | $r$ | 103.6 | 99.6 | $r$ | 102.4 | $r$ | 97.6 | r | 98.4 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | IV | 104.3 | $r$ | 103.9 | 99.7 | $r$ | 101.9 | $r$ | 96.3 | $r$ | 97.7 r |
|  | III | 104.2 | $r$ | 103.8 | 99.6 | $r$ | 102.6 | $r$ | 97.3 | $r$ | 98.4 |
|  | II | 103.9 | $r$ | 103.3 | 99.4 | $r$ | 102.6 | $r$ | 98.0 | $r$ | 98.8 |
|  | I | 103.7 | $r$ | 103.4 | 99.7 | $r$ | 102.4 | $r$ | 98.9 | $r$ | 98.7 |
| 2010 | ANNUAL | 103.0 | $r$ | 103.3 | 100.3 | $r$ | 101.1 | $r$ | 99.5 | $r$ | 98.2 r |
| 2010 | IV | 103.6 | $r$ | 103.7 | 100.0 | $r$ | 102.4 | $r$ | 100.0 | $r$ | 98.8 |
|  | III | 102.9 | $r$ | 103.8 | 100.8 | $r$ | 101.3 | $r$ | 99.7 | $r$ | 98.4 |
|  | II | 102.8 | $r$ | 103.5 | 100.7 | $r$ | 100.3 | $r$ | 99.0 | $r$ | 97.5 |
|  | I | 102.5 | $r$ | 102.0 | 99.5 | $r$ | 100.5 | $r$ | 99.2 | $r$ | 98.0 |
| 2009 | ANNUAL | 100.0 |  | 100.0 | 100.0 |  | 100.0 |  | 100.0 |  | 100.0 |
| 2009 | IV | 102.0 |  | 101.2 | 99.1 |  | 101.3 |  | 100.1 |  | 99.2 |
|  | III | 100.5 |  | 99.8 | 99.4 |  | 100.4 |  | 100.1 |  | 99.9 |
|  | II | 99.4 |  | 99.2 | 99.8 |  | 99.7 |  | 100.1 |  | 100.3 |
|  | I | 98.2 |  | 99.8 | 101.7 |  | 98.7 |  | 99.7 |  | 100.5 |
| $\begin{aligned} & \text { See f } \\ & r=r e l \end{aligned}$ | footnot ised | lowing |  |  |  |  | Sou |  | au of |  | $\begin{array}{r} 5,2015 \\ \text { atistics } \end{array}$ |

Appendix table 6.
Nonfinancial corporate sector: Revised productivity, hourly compensation, unit labor costs, unit profits, and prices, seasonally adjusted

| Year |  |  |  |  | Rea |  | Unit |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Output per all- |  |  |  | hourly compen- | Unit | nonlabor | Total unit | $\begin{aligned} & \text { Unit } \\ & \text { pro- } \end{aligned}$ | Implicit <br> price |
| and | employee |  | Employee | sation | sation | labor | costs | cost | fits | deflator |
| quarter | hour | Output | hours | (1) | (2) | costs | (6) | (7) | (8) | (4) |


| 2011 | ANNUAL | -0.2 |  | 2.5 | 2.7 | $r$ | 2.1 |  | -1.0 |  | 2.4 | 1.9 | 2.2 | 3.1 | 2.3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | IV | 3.2 | $r$ | 5.8 | 2.5 | $r$ | -4.4 | $r$ | -5.8 | $r$ | -7.4 | -2.4 | -5.8 | 9.5 | -3.7 |
|  | III | -3.0 |  | 0.1 | 3.1 | $r$ | 1.0 |  | -1.6 |  | 4.1 | 3.2 | 3.8 | 12.2 | 4.9 |
|  | II | 2.0 | $r$ | 6.0 | 3.9 | $r$ | -2.4 | $r$ | -7.0 | $r$ | -4.3 | -0.8 | -3.2 | 56.3 | 3.1 |
|  | I | 1.9 | $r$ | 3.3 | 1.3 | $r$ | 9.9 | $r$ | 5.4 | $r$ | 7.8 | 4.0 | 6.5 | -34.3 | 0.0 |
| 2010 | ANNUAL | 5.3 |  | 5.5 | 0.2 |  | 1.5 |  | -0.1 |  | -3.6 | -3.2 | -3.5 | 29.7 | 0.0 |
| 2010 | IV | -5.5 | $r$ | -3.1 | 2.5 | $r$ | 0.5 | $r$ | -2.5 | $r$ | 6.3 | 6.0 | 6.2 | -10.3 | 3.7 |
|  | III | 1.8 | $r$ | 5.0 | 3.1 | $r$ | 0.8 | $r$ | -0.4 | $r$ | -1.0 | -2.2 | -1.4 | 41.8 | 3.7 |
|  | II | -1.1 | $r$ | 2.9 | 4.0 | $r$ | 3.0 | $r$ | 2.9 | $r$ | 4.1 | 0.0 | 2.7 | 12.7 | 4.0 |
|  | I | 8.8 | $r$ | 9.8 | 0.9 | $r$ | -3.3 | $r$ | -3.8 | $r$ | -11.1 | -5.7 | -9.3 | 38.7 | -4.4 |
| 2009 | ANNUAL | 0.7 |  | -7.1 | -7.8 |  | 1.7 |  | 2.1 |  | 1.0 | 6.0 | 2.6 | -5.1 | 1.8 |
| 2009 | IV | 11.7 |  | 11.4 | -0.3 |  | 2.6 |  | -0.7 |  | -8.1 | -6.0 | -7.4 | 75.6 | -0.7 |
|  | III | 8.1 | $r$ | 2.8 | -4.9 | $r$ | 3.9 |  | 0.4 |  | -3.9 | -6.9 | -4.9 | 24.9 | -2.3 |
|  | II | 6.4 |  | -3.8 | -9.6 |  | 11.7 |  | 9.5 |  | 5.0 | 2.5 | 4.1 | -17.6 | 1.7 |
|  | I | -9.9 |  | -20.6 | -11.8 |  | -11.0 |  | -8.7 |  | -1.2 | 17.6 | 4.6 | -16.3 | 2.2 |

Percent change from corresponding quarter of previous year

| 2011 | ANNUAL | -0.2 |  | 2.5 | 2.7 | $r$ | 2.1 |  | -1.0 |  | 2.4 | 1.9 | 2.2 | 3.1 | 2.3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | IV | 1.0 |  | 3.8 | 2.7 |  | 0.9 |  | -2.4 |  | -0.2 | 0.9 | 0.2 | 6.0 | 1.0 |
|  | III | -1.2 | $r$ | 1.5 | 2.7 | r | 2.1 |  | -1.5 | $r$ | 3.3 | 3.0 | 3.2 | 0.8 | 2.9 |
|  | II | 0.0 |  | 2.7 | 2.7 |  | 2.1 |  | -1.2 | $r$ | 2.1 | 1.7 | 1.9 | 6.9 | 2.6 |
|  | I | -0.8 |  | 2.0 | 2.7 | r | 3.5 |  | 1.3 |  | 4.3 | 1.9 | 3.5 | -1.5 | 2.8 |
| 2010 | ANNUAL | 5.3 |  | 5.5 | 0.2 |  | 1.5 |  | -0.1 |  | -3.6 | -3.2 | -3.5 | 29.7 | 0.0 |
| 2010 | IV | 0.9 |  | 3.5 | 2.6 | $r$ | 0.2 |  | -1.0 |  | -0.6 | -0.6 | -0.6 | 18.7 | 1.7 |
|  | III | 5.2 |  | 7.2 | 1.9 |  | 0.7 | $r$ | -0.5 |  | -4.2 | -3.5 | -4.0 | 40.5 | 0.6 |
|  | II | 6.7 |  | 6.6 | -0.1 |  | 1.5 |  | -0.3 |  | -4.9 | -4.7 | -4.8 | 36.1 | -0.9 |
|  | I | 8.7 | $r$ | 4.9 | -3.6 |  | 3.6 |  | 1.3 |  | -4.7 | -4.1 | -4.5 | 25.8 | -1.4 |
| 2009 | ANNUAL | 0.7 |  | -7.1 | -7.8 |  | 1.7 |  | 2.1 |  | 1.0 | 6.0 | 2.6 | -5.1 | 1.8 |
| 2009 | IV | 3.7 |  | -3.3 | -6.8 |  | 1.4 |  | -0.1 |  | -2.2 | 1.3 | -1.0 | 10.9 | 0.2 |
|  | III | 0.0 |  | -8.8 | -8.8 |  | 2.5 |  | 4.2 |  | 2.5 | 6.1 | 3.7 | -15.8 | 1.3 |
|  | II | 0.2 |  | -8.5 | -8.6 |  | 2.7 |  | 3.7 |  | 2.5 | 7.9 | 4.3 | -9.5 | 2.8 |
|  | I | -0.9 |  | -7.7 | -6.9 |  | 0.2 |  | 0.4 |  | 1.2 | 9.0 | 3.7 | -4.5 | 2.8 |

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| 2011 | ANNUAL | 105.1 | $r$ | 108.2 | 102.9 | r | 103.7 | $r$ | 98.9 | $r$ | 98.6 | 98.6 | 98.6 | 133.7 | 102.3 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 | IV | 105.5 | $r$ | 109.7 | 104.0 | $r$ | 102.8 | $r$ | 97.1 | $r$ | 97.5 | 98.5 | 97.8 | 141.6 | 102.4 |
|  | III | 104.6 | $r$ | 108.2 | 103.4 | $r$ | 104.0 | $r$ | 98.6 | $r$ | 99.3 | 99.1 | 99.3 | 138.4 | 103.4 |
|  | II | 105.4 | $r$ | 108.2 | 102.6 | $r$ | 103.7 | $r$ | 99.0 | $r$ | 98.4 | 98.3 | 98.3 | 134.5 | 102.1 |
|  | I | 104.9 | $r$ | 106.6 | 101.6 | $r$ | 104.3 | $r$ | 100.8 | $r$ | 99.5 | 98.5 | 99.1 | 120.2 | 101.3 |
| 2010 | ANNUAL | 105.3 | $r$ | 105.5 | 100.2 | r | 101.5 | $r$ | 99.9 | $r$ | 96.4 | 96.8 | 96.5 | 129.7 | 100.0 |
| 2010 | IV | 104.4 | $r$ | 105.8 | 101.3 | $r$ | 101.9 | $r$ | 99.5 | $r$ | 97.6 | 97.6 | 97.6 | 133.6 | 101.4 |
|  | III | 105.9 | $r$ | 106.6 | 100.7 | $r$ | 101.8 | $r$ | 100.1 | $r$ | 96.1 | 96.1 | 96.1 | 137.2 | 100.4 |
|  | II | 105.4 | $r$ | 105.3 | 99.9 | $r$ | 101.6 | $r$ | 100.3 | $r$ | 96.4 | 96.7 | 96.5 | 125.8 | 99.5 |
|  | I | 105.7 | $r$ | 104.6 | 98.9 | $r$ | 100.8 | $r$ | 99.5 | $r$ | 95.4 | 96.7 | 95.8 | 122.1 | 98.6 |
| 2009 | ANNUAL | 100.0 |  | 100.0 | 100.0 |  | 100.0 |  | 100.0 |  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 2009 | IV | 103.5 | $r$ | 102.1 | 98.7 | $r$ | 101.7 | $r$ | 100.5 | $r$ | 98.2 | 98.1 | 98.2 | 112.5 | 99.7 |
|  | III | 100.7 | $r$ | 99.4 | 98.8 |  | 101.0 |  | 100.7 | $r$ | 100.4 | 99.7 | 100.1 | 97.7 | 99.9 |
|  | II | 98.7 | $r$ | 98.7 | 100.0 | $r$ | 100.1 | $r$ | 100.5 | $r$ | 101.3 | 101.5 | 101.4 | 92.4 | 100.4 |
|  | I | 97.2 |  | 99.7 | 102.6 |  | 97.3 |  | 98.3 |  | 100.1 | 100.8 | 100.4 | 97.0 | 100.0 |

See footnotes following Table 6.


[^0]:    See footnotes following Table 6.

