Historical Data Appendix

## Historical Data Appendix

**Table A1:***MonthlyHistorical Data*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Employmt**(1000s) | **Unemp. Rate**(Percent) | **CPI-U: All Items**  (Monthly) | **CPI**  2015Q4 = 100 | **Nominal Total Personal Income** | **Real TotalPers Income**  (Base Period 2015Q4) |
| Jan-90 | 97.731 | 4.7 | 127.500 | 53.5495287641469 | $3,883,635.00 | $7,252,416.76 |
| Feb-90 | 97.585 | 4.8 | 128.000 | 53.7595269161631 | $3,883,635.00 | $7,224,087.01 |
| Mar-90 | 98.544 | 4.7 | 128.600 | 54.0115246985827 | $3,883,635.00 | $7,190,382.09 |
| Apr-90 | 98.559 | 4.8 | 128.900 | 54.1375235897924 | $3,883,635.00 | $7,173,647.30 |
| May-90 | 99.129 | 4.9 | 129.100 | 54.2215228505989 | $3,883,635.00 | $7,162,533.98 |
| Jun-90 | 99.315 | 5.1 | 129.900 | 54.5575198938249 | $3,883,635.00 | $7,118,422.92 |
| Jul-90 | 99.164 | 5.2 | 130.500 | 54.8095176762445 | $3,883,635.00 | $7,085,694.54 |
| Aug-90 | 98.774 | 5.3 | 131.600 | 55.2715136106802 | $3,883,635.00 | $7,026,467.61 |
| Sep-90 | 99.456 | 5.5 | 132.500 | 55.6495102843095 | $3,883,635.00 | $6,978,740.66 |
| Oct-90 | 98.941 | 5.2 | 133.400 | 56.0275069579388 | $3,883,635.00 | $6,931,657.70 |
| Nov-90 | 98.941 | 5.1 | 133.700 | 56.1535058491485 | $3,883,635.00 | $6,916,104.24 |
| Dec-90 | 99.247 | 5.2 | 134.200 | 56.3635040011648 | $3,883,635.00 | $6,890,336.34 |
| Jan-91 | 98.882 | 4.7 | 134.700 | 56.5735021531811 | $3,965,899.00 | $7,010,170.57 |
| Feb-91 | 98.598 | 5.0 | 134.800 | 56.6155017835843 | $3,965,899.00 | $7,004,970.15 |
| Mar-91 | 98.200 | 5.2 | 134.800 | 56.6155017835843 | $3,965,899.00 | $7,004,970.15 |
| Apr-91 | 97.734 | 5.3 | 135.100 | 56.7415006747941 | $3,965,899.00 | $6,989,415.07 |
| May-91 | 98.127 | 5.5 | 135.600 | 56.9514988268103 | $3,965,899.00 | $6,963,642.89 |
| Jun-91 | 97.853 | 5.4 | 136.000 | 57.1194973484233 | $3,965,899.00 | $6,943,161.59 |
| Jul-91 | 97.563 | 5.5 | 136.200 | 57.2034966092298 | $3,965,899.00 | $6,932,966.05 |
| Aug-91 | 97.499 | 5.6 | 136.600 | 57.3714951308429 | $3,965,899.00 | $6,912,664.54 |
| Sep-91 | 97.243 | 5.6 | 137.000 | 57.5394936524559 | $3,965,899.00 | $6,892,481.58 |
| Oct-91 | 97.446 | 5.8 | 137.200 | 57.6234929132624 | $3,965,899.00 | $6,882,434.23 |
| Nov-91 | 97.728 | 6.0 | 137.800 | 57.8754906956819 | $3,965,899.00 | $6,852,467.17 |
| Dec-91 | 98.207 | 6.4 | 138.200 | 58.0434892172949 | $3,965,899.00 | $6,832,633.69 |
| Jan-92 | 98.705 | 5.9 | 138.300 | 58.0854888476982 | $4,261,426.00 | $7,336,472.64 |
| Feb-92 | 98.878 | 6.0 | 138.600 | 58.2114877389079 | $4,261,426.00 | $7,320,592.83 |
| Mar-92 | 98.890 | 6.0 | 139.100 | 58.4214858909242 | $4,261,426.00 | $7,294,278.70 |
| Apr-92 | 99.089 | 5.9 | 139.400 | 58.5474847821339 | $4,261,426.00 | $7,278,580.82 |
| May-92 | 99.115 | 5.8 | 139.700 | 58.6734836733437 | $4,261,426.00 | $7,262,950.37 |
| Jun-92 | 99.566 | 5.8 | 140.100 | 58.8414821949567 | $4,261,426.00 | $7,242,213.90 |
| Jul-92 | 100.295 | 5.6 | 140.500 | 59.0094807165697 | $4,261,426.00 | $7,221,595.49 |
| Aug-92 | 100.325 | 5.6 | 140.800 | 59.1354796077795 | $4,261,426.00 | $7,206,208.57 |
| Sep-92 | 100.778 | 5.7 | 141.100 | 59.2614784989892 | $4,261,426.00 | $7,190,887.08 |
| Oct-92 | 100.840 | 5.6 | 141.700 | 59.5134762814087 | $4,261,426.00 | $7,160,438.72 |
| Nov-92 | 100.951 | 5.7 | 142.100 | 59.6814748030217 | $4,261,426.00 | $7,140,282.67 |
| Dec-92 | 101.687 | 5.8 | 142.300 | 59.7654740638283 | $4,261,426.00 | $7,130,247.13 |
| Jan-93 | 100.905 | 5.3 | 142.800 | 59.9754722158445 | $4,533,138.00 | $7,558,319.81 |
| Feb-93 | 102.288 | 5.3 | 143.100 | 60.1014711070543 | $4,533,138.00 | $7,542,474.28 |
| Mar-93 | 102.595 | 5.0 | 143.300 | 60.1854703678608 | $4,533,138.00 | $7,531,947.45 |
| Apr-93 | 102.866 | 4.9 | 143.800 | 60.3954685198770 | $4,533,138.00 | $7,505,758.48 |
| May-93 | 103.326 | 4.8 | 144.200 | 60.5634670414900 | $4,533,138.00 | $7,484,938.07 |
| Jun-93 | 103.190 | 4.6 | 144.300 | 60.6054666718933 | $4,533,138.00 | $7,479,751.00 |
| Jul-93 | 103.387 | 4.5 | 144.500 | 60.6894659326998 | $4,533,138.00 | $7,469,398.40 |
| Aug-93 | 103.384 | 4.5 | 144.800 | 60.8154648239096 | $4,533,138.00 | $7,453,923.13 |
| Sep-93 | 103.816 | 4.5 | 145.000 | 60.8994640847161 | $4,533,138.00 | $7,443,641.86 |
| Oct-93 | 104.120 | 4.6 | 145.600 | 61.1514618671356 | $4,533,138.00 | $7,412,967.51 |
| Nov-93 | 104.074 | 4.4 | 146.000 | 61.3194603887486 | $4,533,138.00 | $7,392,658.01 |
| Dec-93 | 104.045 | 4.5 | 146.300 | 61.4454592799583 | $4,533,138.00 | $7,377,498.77 |
| Jan-94 | 103.331 | 4.6 | 146.300 | 61.4454592799583 | $4,777,676.00 | $7,775,474.47 |
| Feb-94 | 104.290 | 4.8 | 146.700 | 61.6134578015714 | $4,777,676.00 | $7,754,273.45 |
| Mar-94 | 104.148 | 4.6 | 147.100 | 61.7814563231844 | $4,777,676.00 | $7,733,187.73 |
| Apr-94 | 104.839 | 4.6 | 147.200 | 61.8234559535876 | $4,777,676.00 | $7,727,934.21 |
| May-94 | 105.127 | 4.4 | 147.500 | 61.9494548447974 | $4,777,676.00 | $7,712,216.37 |
| Jun-94 | 105.359 | 4.4 | 147.900 | 62.1174533664104 | $4,777,676.00 | $7,691,358.45 |
| Jul-94 | 106.214 | 4.4 | 148.400 | 62.3274515184266 | $4,777,676.00 | $7,665,444.17 |
| Aug-94 | 106.516 | 4.5 | 149.000 | 62.5794493008462 | $4,777,676.00 | $7,634,576.61 |
| Sep-94 | 106.115 | 4.1 | 149.300 | 62.7054481920559 | $4,777,676.00 | $7,619,235.87 |
| Oct-94 | 106.798 | 4.1 | 149.400 | 62.7474478224592 | $4,777,676.00 | $7,614,135.98 |
| Nov-94 | 107.208 | 4.0 | 149.800 | 62.9154463440722 | $4,777,676.00 | $7,593,804.51 |
| Dec-94 | 107.434 | 3.8 | 150.100 | 63.0414452352819 | $4,777,676.00 | $7,578,627.02 |
| Jan-95 | 107.872 | 4.0 | 150.500 | 63.2094437568949 | $4,986,532.00 | $7,888,903.47 |
| Feb-95 | 108.124 | 3.9 | 150.900 | 63.3774422785080 | $4,986,532.00 | $7,867,991.86 |
| Mar-95 | 108.249 | 4.5 | 151.200 | 63.5034411697177 | $4,986,532.00 | $7,852,380.77 |
| Apr-95 | 108.878 | 4.0 | 151.800 | 63.7554389521372 | $4,986,532.00 | $7,821,343.69 |
| May-95 | 109.363 | 3.9 | 152.100 | 63.8814378433470 | $4,986,532.00 | $7,805,916.97 |
| Jun-95 | 109.046 | 4.0 | 152.400 | 64.0074367345567 | $4,986,532.00 | $7,790,551.00 |
| Jul-95 | 109.576 | 4.0 | 152.600 | 64.0914359953632 | $4,986,532.00 | $7,780,340.58 |
| Aug-95 | 109.660 | 4.3 | 152.900 | 64.2174348865730 | $4,986,532.00 | $7,765,075.03 |
| Sep-95 | 109.992 | 4.2 | 153.100 | 64.3014341473795 | $4,986,532.00 | $7,754,931.23 |
| Oct-95 | 110.120 | 4.2 | 153.500 | 64.4694326689925 | $4,986,532.00 | $7,734,722.94 |
| Nov-95 | 110.049 | 4.2 | 153.700 | 64.5534319297990 | $4,986,532.00 | $7,724,658.24 |
| Dec-95 | 110.162 | 4.4 | 153.900 | 64.6374311906055 | $4,986,532.00 | $7,714,619.70 |
| Jan-96 | 110.022 | 4.5 | 154.700 | 64.9734282338315 | $5,297,462.00 | $8,153,274.57 |
| Feb-96 | 110.274 | 4.4 | 155.000 | 65.0994271250413 | $5,297,462.00 | $8,137,494.04 |
| Mar-96 | 110.610 | 4.2 | 155.500 | 65.3094252770576 | $5,297,462.00 | $8,111,328.46 |
| Apr-96 | 110.225 | 4.3 | 156.100 | 65.5614230594771 | $5,297,462.00 | $8,080,151.03 |
| May-96 | 110.411 | 4.3 | 156.400 | 65.6874219506868 | $5,297,462.00 | $8,064,652.02 |
| Jun-96 | 110.540 | 4.0 | 156.700 | 65.8134208418966 | $5,297,462.00 | $8,049,212.35 |
| Jul-96 | 110.246 | 4.0 | 157.000 | 65.9394197331064 | $5,297,462.00 | $8,033,831.69 |
| Aug-96 | 110.504 | 3.8 | 157.200 | 66.0234189939129 | $5,297,462.00 | $8,023,610.53 |
| Sep-96 | 110.897 | 3.9 | 157.700 | 66.2334171459291 | $5,297,462.00 | $7,998,171.06 |
| Oct-96 | 110.898 | 3.9 | 158.200 | 66.4434152979454 | $5,297,462.00 | $7,972,892.39 |
| Nov-96 | 111.927 | 4.0 | 158.700 | 66.6534134499616 | $5,297,462.00 | $7,947,773.00 |
| Dec-96 | 111.683 | 4.0 | 159.100 | 66.8214119715747 | $5,297,462.00 | $7,927,791.17 |
| Jan-97 | 112.185 | 3.9 | 159.400 | 66.9474108627844 | $5,511,225.00 | $8,232,170.49 |
| Feb-97 | 112.723 | 4.0 | 159.700 | 67.0734097539942 | $5,511,225.00 | $8,216,706.17 |
| Mar-97 | 113.282 | 4.1 | 159.800 | 67.1154093843974 | $5,511,225.00 | $8,211,564.30 |
| Apr-97 | 113.272 | 4.0 | 159.900 | 67.1574090148007 | $5,511,225.00 | $8,206,428.87 |
| May-97 | 113.244 | 4.1 | 159.900 | 67.1574090148007 | $5,511,225.00 | $8,206,428.87 |
| Jun-97 | 114.222 | 4.1 | 160.200 | 67.2834079060104 | $5,511,225.00 | $8,191,061.02 |
| Jul-97 | 114.639 | 4.0 | 160.400 | 67.3674071668169 | $5,511,225.00 | $8,180,847.73 |
| Aug-97 | 114.582 | 3.8 | 160.800 | 67.5354056884300 | $5,511,225.00 | $8,160,497.36 |
| Sep-97 | 114.930 | 4.0 | 161.200 | 67.7034042100430 | $5,511,225.00 | $8,140,247.99 |
| Oct-97 | 115.336 | 3.9 | 161.500 | 67.8294031012527 | $5,511,225.00 | $8,125,126.79 |
| Nov-97 | 115.229 | 3.9 | 161.700 | 67.9134023620592 | $5,511,225.00 | $8,115,077.15 |
| Dec-97 | 115.461 | 3.9 | 161.800 | 67.9554019924625 | $5,511,225.00 | $8,110,061.66 |
| Jan-98 | 115.633 | 3.7 | 162.000 | 68.0394012532690 | $5,774,300.00 | $8,486,700.20 |
| Feb-98 | 116.370 | 3.6 | 162.000 | 68.0394012532690 | $5,774,300.00 | $8,486,700.20 |
| Mar-98 | 115.830 | 3.6 | 162.000 | 68.0394012532690 | $5,774,300.00 | $8,486,700.20 |
| Apr-98 | 115.859 | 3.5 | 162.200 | 68.1234005140755 | $5,774,300.00 | $8,476,235.71 |
| May-98 | 116.127 | 3.6 | 162.600 | 68.2913990356885 | $5,774,300.00 | $8,455,383.96 |
| Jun-98 | 116.104 | 3.8 | 162.800 | 68.3753982964950 | $5,774,300.00 | $8,444,996.51 |
| Jul-98 | 116.193 | 3.7 | 163.200 | 68.5433968181080 | $5,774,300.00 | $8,424,297.99 |
| Aug-98 | 115.846 | 3.8 | 163.400 | 68.6273960789145 | $5,774,300.00 | $8,413,986.73 |
| Sep-98 | 116.102 | 3.4 | 163.500 | 68.6693957093178 | $5,774,300.00 | $8,408,840.56 |
| Oct-98 | 116.224 | 3.3 | 163.900 | 68.8373942309308 | $5,774,300.00 | $8,388,318.68 |
| Nov-98 | 116.156 | 3.1 | 164.100 | 68.9213934917373 | $5,774,300.00 | $8,378,095.26 |
| Dec-98 | 117.040 | 2.9 | 164.400 | 69.0473923829471 | $5,774,300.00 | $8,362,806.76 |
| Jan-99 | 116.955 | 3.0 | 164.700 | 69.1733912741568 | $5,941,737.00 | $8,589,628.02 |
| Feb-99 | 116.564 | 3.0 | 164.700 | 69.1733912741568 | $5,941,737.00 | $8,589,628.02 |
| Mar-99 | 117.074 | 2.7 | 164.800 | 69.2153909045601 | $5,941,737.00 | $8,584,415.87 |
| Apr-99 | 117.329 | 3.1 | 165.900 | 69.6773868389958 | $5,941,737.00 | $8,527,496.90 |
| May-99 | 117.282 | 3.0 | 166.000 | 69.7193864693991 | $5,941,737.00 | $8,522,359.85 |
| Jun-99 | 117.815 | 3.1 | 166.000 | 69.7193864693991 | $5,941,737.00 | $8,522,359.85 |
| Jul-99 | 119.286 | 3.2 | 166.700 | 70.0133838822218 | $5,941,737.00 | $8,486,573.10 |
| Aug-99 | 119.433 | 3.0 | 167.100 | 70.1813824038349 | $5,941,737.00 | $8,466,258.14 |
| Sep-99 | 119.637 | 3.1 | 167.800 | 70.4753798166576 | $5,941,737.00 | $8,430,940.02 |
| Oct-99 | 120.171 | 3.1 | 168.100 | 70.6013787078674 | $5,941,737.00 | $8,415,893.72 |
| Nov-99 | 120.649 | 3.0 | 168.400 | 70.7273775990771 | $5,941,737.00 | $8,400,901.04 |
| Dec-99 | 120.844 | 3.0 | 168.800 | 70.8953761206902 | $5,941,737.00 | $8,380,993.69 |
| Jan-00 | 120.149 | 3.8 | 169.300 | 71.1053742727064 | $6,339,817.00 | $8,916,086.96 |
| Feb-00 | 120.088 | 3.8 | 170.000 | 71.3993716855292 | $6,339,817.00 | $8,879,373.66 |
| Mar-00 | 120.241 | 3.7 | 171.000 | 71.8193679895617 | $6,339,817.00 | $8,827,447.49 |
| Apr-00 | 120.804 | 3.4 | 170.900 | 71.7773683591585 | $6,339,817.00 | $8,832,612.76 |
| May-00 | 121.139 | 3.6 | 171.200 | 71.9033672503682 | $6,339,817.00 | $8,817,135.06 |
| Jun-00 | 121.449 | 3.4 | 172.200 | 72.3233635544007 | $6,339,817.00 | $8,765,932.18 |
| Jul-00 | 120.907 | 3.5 | 172.700 | 72.5333617064170 | $6,339,817.00 | $8,740,553.11 |
| Aug-00 | 120.605 | 3.6 | 172.700 | 72.5333617064170 | $6,339,817.00 | $8,740,553.11 |
| Sep-00 | 121.516 | 3.6 | 173.600 | 72.9113583800463 | $6,339,817.00 | $8,695,239.18 |
| Oct-00 | 121.998 | 3.6 | 173.900 | 73.0373572712560 | $6,339,817.00 | $8,680,238.77 |
| Nov-00 | 122.573 | 3.4 | 174.200 | 73.1633561624658 | $6,339,817.00 | $8,665,290.02 |
| Dec-00 | 122.154 | 3.3 | 174.600 | 73.3313546840788 | $6,339,817.00 | $8,645,438.27 |
| Jan-01 | 122.980 | 3.4 | 175.600 | 73.7513509881113 | $6,264,136.00 | $8,493,588.14 |
| Feb-01 | 123.250 | 3.3 | 176.000 | 73.9193495097243 | $6,264,136.00 | $8,474,284.53 |
| Mar-01 | 123.334 | 3.5 | 176.100 | 73.9613491401276 | $6,264,136.00 | $8,469,472.33 |
| Apr-01 | 124.001 | 3.5 | 176.400 | 74.0873480313373 | $6,264,136.00 | $8,455,068.47 |
| May-01 | 123.914 | 3.5 | 177.300 | 74.4653447049666 | $6,264,136.00 | $8,412,149.34 |
| Jun-01 | 124.170 | 3.6 | 177.700 | 74.6333432265796 | $6,264,136.00 | $8,393,213.72 |
| Jul-01 | 123.570 | 3.6 | 177.400 | 74.5073443353699 | $6,264,136.00 | $8,407,407.43 |
| Aug-01 | 123.922 | 3.8 | 177.400 | 74.5073443353699 | $6,264,136.00 | $8,407,407.43 |
| Sep-01 | 123.309 | 3.9 | 178.100 | 74.8013417481926 | $6,264,136.00 | $8,374,363.15 |
| Oct-01 | 122.989 | 4.0 | 177.600 | 74.5913435961764 | $6,264,136.00 | $8,397,939.62 |
| Nov-01 | 122.752 | 4.1 | 177.500 | 74.5493439657731 | $6,264,136.00 | $8,402,670.86 |
| Dec-01 | 123.161 | 4.2 | 177.400 | 74.5073443353699 | $6,264,136.00 | $8,407,407.43 |
| Jan-02 | 122.950 | 4.1 | 177.700 | 74.6333432265796 | $6,536,679.00 | $8,758,389.64 |
| Feb-02 | 122.701 | 4.0 | 178.000 | 74.7593421177894 | $6,536,679.00 | $8,743,628.31 |
| Mar-02 | 122.593 | 4.2 | 178.500 | 74.9693402698056 | $6,536,679.00 | $8,719,136.35 |
| Apr-02 | 121.907 | 4.4 | 179.300 | 75.3053373130317 | $6,536,679.00 | $8,680,233.34 |
| May-02 | 121.925 | 4.4 | 179.500 | 75.3893365738382 | $6,536,679.00 | $8,670,561.78 |
| Jun-02 | 121.667 | 4.5 | 179.600 | 75.4313362042414 | $6,536,679.00 | $8,665,734.07 |
| Jul-02 | 122.212 | 4.5 | 180.000 | 75.5993347258544 | $6,536,679.00 | $8,646,476.88 |
| Aug-02 | 122.104 | 4.4 | 180.500 | 75.8093328778707 | $6,536,679.00 | $8,622,525.42 |
| Sep-02 | 121.558 | 4.5 | 180.800 | 75.9353317690804 | $6,536,679.00 | $8,608,218.13 |
| Oct-02 | 121.470 | 4.5 | 181.200 | 76.1033302906934 | $6,536,679.00 | $8,589,215.45 |
| Nov-02 | 122.009 | 4.7 | 181.500 | 76.2293291819032 | $6,536,679.00 | $8,575,018.40 |
| Dec-02 | 121.775 | 4.7 | 181.800 | 76.3553280731130 | $6,536,679.00 | $8,560,868.20 |
| Jan-03 | 122.158 | 4.7 | 182.600 | 76.6913251163390 | $6,945,273.00 | $9,056,139.00 |
| Feb-03 | 121.937 | 4.8 | 183.600 | 77.1113214203715 | $6,945,273.00 | $9,006,813.62 |
| Mar-03 | 122.314 | 4.5 | 183.900 | 77.2373203115813 | $6,945,273.00 | $8,992,120.61 |
| Apr-03 | 121.867 | 4.8 | 183.200 | 76.9433228987585 | $6,945,273.00 | $9,026,479.15 |
| May-03 | 121.408 | 5.0 | 182.900 | 76.8173240075487 | $6,945,273.00 | $9,041,284.75 |
| Jun-03 | 121.174 | 5.0 | 183.100 | 76.9013232683552 | $6,945,273.00 | $9,031,408.96 |
| Jul-03 | 120.491 | 5.0 | 183.700 | 77.1533210507748 | $6,945,273.00 | $9,001,910.62 |
| Aug-03 | 120.883 | 5.1 | 184.500 | 77.4893180940008 | $6,945,273.00 | $8,962,877.94 |
| Sep-03 | 121.460 | 5.1 | 185.100 | 77.7413158764203 | $6,945,273.00 | $8,933,824.85 |
| Oct-03 | 121.331 | 4.9 | 184.900 | 77.6573166156138 | $6,945,273.00 | $8,943,488.27 |
| Nov-03 | 121.510 | 4.8 | 185.000 | 77.6993162460170 | $6,945,273.00 | $8,938,653.95 |
| Dec-03 | 121.813 | 4.7 | 185.500 | 77.9093143980333 | $6,945,273.00 | $8,914,560.54 |
| Jan-04 | 121.429 | 4.7 | 186.300 | 78.2453114412593 | $7,188,257.00 | $9,186,821.38 |
| Feb-04 | 121.621 | 4.6 | 186.700 | 78.4133099628723 | $7,188,257.00 | $9,167,138.85 |
| Mar-04 | 121.810 | 4.6 | 187.100 | 78.5813084844853 | $7,188,257.00 | $9,147,540.48 |
| Apr-04 | 122.879 | 4.4 | 187.400 | 78.7073073756951 | $7,188,257.00 | $9,132,896.60 |
| May-04 | 123.677 | 4.4 | 188.200 | 79.0433044189211 | $7,188,257.00 | $9,094,074.51 |
| Jun-04 | 123.624 | 4.4 | 188.900 | 79.3373018317439 | $7,188,257.00 | $9,060,374.92 |
| Jul-04 | 123.359 | 4.4 | 189.100 | 79.4213010925504 | $7,188,257.00 | $9,050,792.30 |
| Aug-04 | 123.404 | 4.4 | 189.200 | 79.4633007229536 | $7,188,257.00 | $9,046,008.58 |
| Sep-04 | 123.618 | 4.4 | 189.800 | 79.7152985053732 | $7,188,257.00 | $9,017,412.13 |
| Oct-04 | 122.424 | 4.6 | 190.800 | 80.1352948094057 | $7,188,257.00 | $8,970,151.06 |
| Nov-04 | 122.900 | 4.6 | 191.700 | 80.5132914830349 | $7,188,257.00 | $8,928,037.68 |
| Dec-04 | 123.162 | 4.7 | 191.700 | 80.5132914830349 | $7,188,257.00 | $8,928,037.68 |
| Jan-05 | 123.998 | 4.4 | 191.600 | 80.4712918526317 | $7,624,985.00 | $9,475,410.20 |
| Feb-05 | 124.417 | 4.5 | 192.400 | 80.8072888958577 | $7,624,985.00 | $9,436,011.41 |
| Mar-05 | 124.605 | 4.3 | 193.100 | 81.1012863086805 | $7,624,985.00 | $9,401,805.26 |
| Apr-05 | 124.052 | 4.4 | 193.700 | 81.3532840911000 | $7,624,985.00 | $9,372,682.47 |
| May-05 | 124.351 | 4.2 | 193.600 | 81.3112844606968 | $7,624,985.00 | $9,377,523.74 |
| Jun-05 | 124.954 | 4.1 | 193.700 | 81.3532840911000 | $7,624,985.00 | $9,372,682.47 |
| Jul-05 | 124.655 | 4.0 | 194.900 | 81.8572796559390 | $7,624,985.00 | $9,314,974.83 |
| Aug-05 | 124.715 | 4.1 | 196.100 | 82.3612752207781 | $7,624,985.00 | $9,257,973.46 |
| Sep-05 | 125.402 | 3.9 | 198.800 | 83.4952652416659 | $7,624,985.00 | $9,132,236.39 |
| Oct-05 | 124.706 | 3.9 | 199.100 | 83.6212641328756 | $7,624,985.00 | $9,118,476.12 |
| Nov-05 | 124.700 | 4.0 | 198.100 | 83.2012678288431 | $7,624,985.00 | $9,164,505.78 |
| Dec-05 | 125.260 | 4.1 | 198.100 | 83.2012678288431 | $7,624,985.00 | $9,164,505.78 |
| Jan-06 | 125.140 | 3.9 | 199.300 | 83.7052633936821 | $8,026,285.00 | $9,588,745.89 |
| Feb-06 | 125.530 | 4.0 | 199.400 | 83.7472630240854 | $8,026,285.00 | $9,583,937.09 |
| Mar-06 | 125.823 | 4.5 | 199.700 | 83.8732619152951 | $8,026,285.00 | $9,569,539.58 |
| Apr-06 | 125.800 | 4.3 | 200.700 | 84.2932582193277 | $8,026,285.00 | $9,521,858.77 |
| May-06 | 125.860 | 4.1 | 201.300 | 84.5452560017472 | $8,026,285.00 | $9,493,477.67 |
| Jun-06 | 125.971 | 4.1 | 201.800 | 84.7552541537635 | $8,026,285.00 | $9,469,955.67 |
| Jul-06 | 125.807 | 4.0 | 202.900 | 85.2172500881992 | $8,026,285.00 | $9,418,615.35 |
| Aug-06 | 126.577 | 4.0 | 203.800 | 85.5952467618285 | $8,026,285.00 | $9,377,021.86 |
| Sep-06 | 127.200 | 3.9 | 202.800 | 85.1752504577960 | $8,026,285.00 | $9,423,259.64 |
| Oct-06 | 126.547 | 3.8 | 201.900 | 84.7972537841667 | $8,026,285.00 | $9,465,265.26 |
| Nov-06 | 127.153 | 3.7 | 202.000 | 84.8392534145700 | $8,026,285.00 | $9,460,579.48 |
| Dec-06 | 127.214 | 3.4 | 203.100 | 85.3012493490057 | $8,026,285.00 | $9,409,340.50 |
| Jan-07 | 126.501 | 3.7 | 203.437 | 85.4427881034647 | $8,551,715.00 | $10,008,703.12 |
| Feb-07 | 126.602 | 3.7 | 204.226 | 85.7741651873464 | $8,551,715.00 | $9,970,035.83 |
| Mar-07 | 126.222 | 3.9 | 205.288 | 86.2202012622289 | $8,551,715.00 | $9,918,458.64 |
| Apr-07 | 126.020 | 3.6 | 205.904 | 86.4789189855129 | $8,551,715.00 | $9,888,785.73 |
| May-07 | 126.100 | 3.3 | 206.755 | 86.8363358402446 | $8,551,715.00 | $9,848,083.66 |
| Jun-07 | 126.601 | 3.6 | 207.234 | 87.0375140698762 | $8,551,715.00 | $9,825,320.83 |
| Jul-07 | 127.196 | 3.6 | 207.603 | 87.1924927060642 | $8,551,715.00 | $9,807,857.00 |
| Aug-07 | 127.468 | 3.4 | 207.667 | 87.2193724695223 | $8,551,715.00 | $9,804,834.36 |
| Sep-07 | 127.236 | 3.6 | 208.547 | 87.5889692170709 | $8,551,715.00 | $9,763,461.17 |
| Oct-07 | 127.181 | 3.6 | 209.190 | 87.8590268405638 | $8,551,715.00 | $9,733,450.63 |
| Nov-07 | 127.454 | 3.6 | 210.834 | 88.5495007643933 | $8,551,715.00 | $9,657,553.04 |
| Dec-07 | 127.489 | 3.7 | 211.445 | 88.8061185061572 | $8,551,715.00 | $9,629,646.18 |
| Jan-08 | 128.602 | 3.5 | 212.174 | 89.1122958117969 | $9,135,499.00 | $10,251,670.57 |
| Feb-08 | 128.896 | 3.3 | 212.687 | 89.3277539157656 | $9,135,499.00 | $10,226,943.59 |
| Mar-08 | 128.775 | 3.5 | 213.448 | 89.6473711031343 | $9,135,499.00 | $10,190,481.76 |
| Apr-08 | 129.433 | 3.4 | 213.942 | 89.8548492773264 | $9,135,499.00 | $10,166,951.56 |
| May-08 | 129.566 | 3.6 | 215.208 | 90.3865645982315 | $9,135,499.00 | $10,107,142.63 |
| Jun-08 | 129.708 | 3.7 | 217.463 | 91.3336562638249 | $9,135,499.00 | $10,002,335.80 |
| Jul-08 | 130.329 | 3.8 | 219.016 | 91.9859105239874 | $9,135,499.00 | $9,931,411.18 |
| Aug-08 | 130.095 | 3.9 | 218.690 | 91.8489917288728 | $9,135,499.00 | $9,946,215.88 |
| Sep-08 | 130.107 | 3.9 | 218.877 | 91.9275310377269 | $9,135,499.00 | $9,937,718.22 |
| Oct-08 | 130.006 | 4.0 | 216.995 | 91.1370979935377 | $9,135,499.00 | $10,023,908.16 |
| Nov-08 | 129.576 | 4.1 | 213.153 | 89.5234721934447 | $9,135,499.00 | $10,204,585.21 |
| Dec-08 | 130.654 | 4.1 | 211.398 | 88.7863786798676 | $9,135,499.00 | $10,289,302.41 |
| Jan-09 | 129.678 | 4.5 | 211.933 | 89.0110767025250 | $9,147,189.00 | $10,276,461.47 |
| Feb-09 | 129.086 | 4.7 | 212.705 | 89.3353138492381 | $9,147,189.00 | $10,239,163.67 |
| Mar-09 | 128.678 | 4.7 | 212.495 | 89.2471146253913 | $9,147,189.00 | $10,249,282.61 |
| Apr-09 | 128.182 | 4.7 | 212.709 | 89.3369938344543 | $9,147,189.00 | $10,238,971.12 |
| May-09 | 127.921 | 5.2 | 213.022 | 89.4684526776165 | $9,147,189.00 | $10,223,926.68 |
| Jun-09 | 128.194 | 5.6 | 214.790 | 90.2110061431460 | $9,147,189.00 | $10,139,770.51 |
| Jul-09 | 128.395 | 5.7 | 214.726 | 90.1841263796879 | $9,147,189.00 | $10,142,792.71 |
| Aug-09 | 127.774 | 5.8 | 215.445 | 90.4861037222873 | $9,147,189.00 | $10,108,943.39 |
| Sep-09 | 127.957 | 5.9 | 215.861 | 90.6608221847648 | $9,147,189.00 | $10,089,461.78 |
| Oct-09 | 127.525 | 5.9 | 216.509 | 90.9329797897779 | $9,147,189.00 | $10,059,264.55 |
| Nov-09 | 127.657 | 6.0 | 217.234 | 91.2374771102015 | $9,147,189.00 | $10,025,692.61 |
| Dec-09 | 127.208 | 6.1 | 217.347 | 91.2849366925571 | $9,147,189.00 | $10,020,480.19 |
| Jan-10 | 126.971 | 6.4 | 217.488 | 91.3441561714257 | $9,622,215.00 | $10,534,023.63 |
| Feb-10 | 126.988 | 6.5 | 217.281 | 91.2572169364910 | $9,622,215.00 | $10,544,059.22 |
| Mar-10 | 127.344 | 6.5 | 217.353 | 91.2874566703813 | $9,622,215.00 | $10,540,566.42 |
| Apr-10 | 127.840 | 6.7 | 217.403 | 91.3084564855829 | $9,622,215.00 | $10,538,142.22 |
| May-10 | 128.296 | 6.2 | 217.290 | 91.2609969032273 | $9,622,215.00 | $10,543,622.50 |
| Jun-10 | 128.404 | 5.9 | 217.199 | 91.2227772395603 | $9,622,215.00 | $10,548,039.96 |
| Jul-10 | 127.791 | 6.0 | 217.605 | 91.3932957389975 | $9,622,215.00 | $10,528,359.79 |
| Aug-10 | 127.641 | 6.2 | 217.923 | 91.5268545636799 | $9,622,215.00 | $10,512,996.48 |
| Sep-10 | 127.885 | 6.1 | 218.275 | 91.6746932626993 | $9,622,215.00 | $10,496,042.75 |
| Oct-10 | 129.118 | 6.3 | 219.035 | 91.9938904537640 | $9,622,215.00 | $10,459,623.95 |
| Nov-10 | 129.084 | 6.7 | 219.590 | 92.2269884025021 | $9,622,215.00 | $10,433,187.91 |
| Dec-10 | 129.973 | 6.4 | 220.472 | 92.5974251426588 | $9,622,215.00 | $10,391,449.85 |
| Jan-11 | 130.592 | 6.1 | 221.187 | 92.8977225000420 | $10,073,563.00 | $10,843,713.63 |
| Feb-11 | 130.107 | 6.1 | 221.898 | 93.1963398722091 | $10,073,563.00 | $10,808,968.48 |
| Mar-11 | 130.816 | 5.9 | 223.046 | 93.6784956292385 | $10,073,563.00 | $10,753,335.58 |
| Apr-11 | 130.543 | 6.3 | 224.093 | 94.1182317595605 | $10,073,563.00 | $10,703,094.20 |
| May-11 | 130.193 | 6.1 | 224.806 | 94.4176891243357 | $10,073,563.00 | $10,669,148.01 |
| Jun-11 | 130.247 | 6.0 | 224.806 | 94.4176891243357 | $10,073,563.00 | $10,669,148.01 |
| Jul-11 | 129.765 | 6.1 | 225.395 | 94.6650669474109 | $10,073,563.00 | $10,641,267.50 |
| Aug-11 | 130.047 | 6.1 | 226.106 | 94.9636843195780 | $10,073,563.00 | $10,607,805.58 |
| Sep-11 | 129.852 | 6.2 | 226.597 | 95.1699025048580 | $10,073,563.00 | $10,584,820.13 |
| Oct-11 | 129.771 | 6.1 | 226.750 | 95.2341619393750 | $10,073,563.00 | $10,577,678.00 |
| Nov-11 | 130.256 | 5.9 | 227.169 | 95.4101403907646 | $10,073,563.00 | $10,558,168.09 |
| Dec-11 | 130.394 | 5.8 | 227.223 | 95.4328201911823 | $10,073,563.00 | $10,555,658.92 |
| Jan-12 | 129.970 | 5.7 | 227.860 | 95.7003578368511 | $10,747,714.00 | $11,230,589.15 |
| Feb-12 | 130.271 | 5.7 | 228.377 | 95.9174959260359 | $10,747,714.00 | $11,205,165.33 |
| Mar-12 | 129.983 | 5.8 | 228.894 | 96.1346340152207 | $10,747,714.00 | $11,179,856.37 |
| Apr-12 | 130.662 | 5.6 | 229.286 | 96.2992725664014 | $10,747,714.00 | $11,160,742.67 |
| May-12 | 130.990 | 5.5 | 228.722 | 96.0623946509271 | $10,747,714.00 | $11,188,263.67 |
| Jun-12 | 131.600 | 5.4 | 228.506 | 95.9716754492561 | $10,747,714.00 | $11,198,839.61 |
| Jul-12 | 131.194 | 5.4 | 228.475 | 95.9586555638311 | $10,747,714.00 | $11,200,359.09 |
| Aug-12 | 131.601 | 5.3 | 229.844 | 96.5336305040516 | $10,747,714.00 | $11,133,647.36 |
| Sep-12 | 131.620 | 5.0 | 230.987 | 97.0136862795607 | $10,747,714.00 | $11,078,554.39 |
| Oct-12 | 131.932 | 5.1 | 231.655 | 97.2942438106545 | $10,747,714.00 | $11,046,608.29 |
| Nov-12 | 132.537 | 5.0 | 231.278 | 97.1359052040342 | $10,747,714.00 | $11,064,615.06 |
| Dec-12 | 132.706 | 5.2 | 231.272 | 97.1333852262100 | $10,747,714.00 | $11,064,902.12 |
| Jan-13 | 132.666 | 5.4 | 231.641 | 97.2883638623980 | $11,034,893.00 | $11,342,459.22 |
| Feb-13 | 133.546 | 5.2 | 233.005 | 97.8612388210984 | $11,034,893.00 | $11,276,061.02 |
| Mar-13 | 133.585 | 5.3 | 232.313 | 97.5706013787079 | $11,034,893.00 | $11,309,649.47 |
| Apr-13 | 134.195 | 5.1 | 231.856 | 97.3786630677650 | $11,034,893.00 | $11,331,941.36 |
| May-13 | 134.592 | 5.1 | 231.895 | 97.3950429236223 | $11,034,893.00 | $11,330,035.56 |
| Jun-13 | 134.535 | 5.0 | 232.357 | 97.5890812160853 | $11,034,893.00 | $11,307,507.83 |
| Jul-13 | 135.294 | 4.8 | 232.749 | 97.7537197672661 | $11,034,893.00 | $11,288,463.52 |
| Aug-13 | 135.725 | 4.7 | 233.249 | 97.9637179192823 | $11,034,893.00 | $11,264,265.21 |
| Sep-13 | 135.579 | 4.7 | 233.642 | 98.1287764667671 | $11,034,893.00 | $11,245,318.04 |
| Oct-13 | 135.404 | 4.7 | 233.799 | 98.1947158865002 | $11,034,893.00 | $11,237,766.62 |
| Nov-13 | 135.828 | 4.6 | 234.21 | 98.3673343674576 | $11,034,893.00 | $11,218,046.18 |
| Dec-13 | 135.344 | 4.4 | 234.847 | 98.6348720131263 | $11,034,893.00 | $11,187,618.31 |
| Jan-14 | 135.689 | 4.3 | 235.436 | 98.8822498362015 | $11,441,626.00 | $11,570,960.43 |
| Feb-14 | 136.209 | 4.4 | 235.621 | 98.9599491524475 | $11,441,626.00 | $11,561,875.38 |
| Mar-14 | 136.462 | 4.2 | 235.897 | 99.0758681323604 | $11,441,626.00 | $11,548,347.96 |
| Apr-14 | 136.560 | 4.0 | 236.495 | 99.3270259221719 | $11,441,626.00 | $11,519,146.87 |
| May-14 | 136.872 | 4.0 | 236.803 | 99.4563847838139 | $11,441,626.00 | $11,504,164.39 |
| Jun-14 | 136.972 | 3.9 | 237.016 | 99.5458439965728 | $11,441,626.00 | $11,493,825.90 |
| Jul-14 | 137.243 | 4.0 | 237.259 | 99.6479030984527 | $11,441,626.00 | $11,482,053.96 |
| Aug-14 | 137.256 | 4.0 | 237.163 | 99.6075834532656 | $11,441,626.00 | $11,486,701.72 |
| Sep-14 | 137.142 | 3.8 | 237.51 | 99.7533221707649 | $11,441,626.00 | $11,469,919.75 |
| Oct-14 | 138.044 | 3.7 | 237.651 | 99.8125416496335 | $11,441,626.00 | $11,463,114.57 |
| Nov-14 | 137.709 | 3.7 | 237.261 | 99.6487430910608 | $11,441,626.00 | $11,481,957.17 |
| Dec-14 | 138.376 | 3.4 | 236.464 | 99.3140060367469 | $11,441,626.00 | $11,520,657.01 |
| Jan-15 | 139.003 | 3.7 | 234.954 | 98.6798116176578 |  |  |
| Feb-15 | 139.102 | 3.5 | 235.415 | 98.8734299138168 |  |  |
| Mar-15 | 139.442 | 3.4 | 235.859 | 99.0599082728072 |  |  |
| Apr-15 | 139.759 | 3.4 | 236.197 | 99.2018670235702 |  |  |
| May-15 | 139.452 | 3.5 | 236.876 | 99.4870445140083 |  |  |
| Jun-15 | 139.800 | 3.5 | 237.423 | 99.7167824923141 |  |  |
| Jul-15 | 140.853 | 3.4 | 237.734 | 99.8474013428682 |  |  |
| Aug-15 | 140.742 | 3.4 | 237.703 | 99.8343814574432 |  |  |
| Sep-15 | 141.129 | 3.4 | 237.489 | 99.7445022483802 |  |  |
| Oct-15 | 141.007 | 3.5 | 237.949 | 99.9377005482352 |  |  |
| Nov-15 | 141.164 | 3.5 | 238.302 | 100.0859592435590 |  |  |
| Dec-15 | 141.386 | 3.4 | 238.041 | 99.9763402082062 |  |  |
| Jan-16 | 141.270 | 3.3 | 238.107 | 100.0040599642720 |  |  |
| Feb-16 | 141.436 | 3.3 | 237.707 | 99.8360614426593 |  |  |
| Mar-16 | 141.307 | 3.3 | 237.920 | 99.9255206554182 |  |  |
| Apr-16 | 142.017 | 3.6 | 238.890 | 100.3329170703300 |  |  |
| May-16 | 141.791 | 3.3 | 239.410 | 100.5513151484270 |  |  |
| Jun-16 | 141.833 | 3.7 | 239.927 | 100.7684532376120 |  |  |
| Jul-16 | 141.417 | 4.2 | 239.828 | 100.7268736035120 |  |  |

**Table A2:***Quarterly Data*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Date** | **CPI-U: All Items**  (Quarterly) | **CPI**  (Q4:2015 = 100) | **Nominal Retail Sales** | **Real Retail Sales**  Base Period (Q4:2015) | **Nominal Total Wages** | **Real Total Wages**  Base Period (Q4:2015) |
| Q1-90 | 128.033 | 53.7735267929642 | $722,623,502.38 | $1,343,827,614.59 | $457,397,967.12 | $850,600,647.57 |
| Q2-90 | 129.300 | 54.3055221114054 | $775,774,395.47 | $1,428,536,850.97 | $461,898,005.10 | $850,554,395.10 |
| Q3-90 | 131.533 | 55.2435138570781 | $727,100,161.58 | $1,316,172,905.76 | $468,590,810.86 | $848,227,743.22 |
| Q4-90 | 133.767 | 56.1815056027507 | $833,590,747.72 | $1,483,745,831.97 | $468,329,615.35 | $833,601,040.64 |
| Q1-91 | 134.767 | 56.6015019067832 | $850,499,175.44 | $1,502,608,847.44 | $477,851,548.05 | $844,238,283.35 |
| Q2-91 | 135.567 | 56.9374989500092 | $807,325,699.24 | $1,417,915,634.03 | $481,859,213.20 | $846,295,011.34 |
| Q3-91 | 136.600 | 57.3714951308429 | $824,222,981.49 | $1,436,641,976.32 | $486,354,133.00 | $847,727,833.98 |
| Q4-91 | 137.733 | 57.8474909420797 | $776,673,135.54 | $1,342,621,992.58 | $478,474,982.71 | $827,131,782.07 |
| Q1-92 | 138.667 | 58.2394874925101 | $823,925,092.79 | $1,414,718,996.10 | $498,312,769.42 | $855,626,982.44 |
| Q2-92 | 139.733 | 58.6874835501448 | $823,377,935.83 | $1,402,987,291.36 | $496,200,132.78 | $845,495,670.91 |
| Q3-92 | 140.800 | 59.1354796077795 | $830,995,685.69 | $1,405,240,460.04 | $501,146,414.09 | $847,454,721.62 |
| Q4-92 | 142.033 | 59.6534750494196 | $792,327,937.89 | $1,328,217,571.96 | $519,029,153.77 | $870,073,626.63 |
| Q1-93 | 143.067 | 60.0874712302532 | $856,606,231.45 | $1,425,598,737.83 | $505,763,238.11 | $841,711,637.64 |
| Q2-93 | 144.100 | 60.5214674110868 | $922,785,589.34 | $1,524,724,414.01 | $526,886,954.68 | $870,578,618.16 |
| Q3-93 | 144.767 | 60.8014649471085 | $978,050,120.64 | $1,608,596,308.47 | $534,046,956.54 | $878,345,541.52 |
| Q4-93 | 145.967 | 61.3054605119475 | $1,067,259,310.44 | $1,740,887,845.11 | $553,949,094.44 | $903,588,505.52 |
| Q1-94 | 146.700 | 61.6134578015714 | $983,059,467.03 | $1,595,527,182.06 | $538,838,003.62 | $874,545,956.10 |
| Q2-94 | 147.533 | 61.9634547215985 | $1,007,761,483.43 | $1,626,380,401.09 | $549,102,638.88 | $886,171,762.61 |
| Q3-94 | 148.900 | 62.5374496704429 | $1,028,769,617.60 | $1,645,045,685.46 | $572,412,705.28 | $915,311,878.39 |
| Q4-94 | 149.767 | 62.9014464672711 | $1,174,097,466.65 | $1,866,566,720.79 | $572,640,707.87 | $910,377,646.35 |
| Q1-95 | 150.867 | 63.3634424017069 | $995,305,215.80 | $1,570,787,788.78 | $581,444,523.02 | $917,634,050.45 |
| Q2-95 | 152.100 | 63.8814378433470 | $1,067,769,055.80 | $1,671,485,633.15 | $587,055,300.19 | $918,976,341.19 |
| Q3-95 | 152.867 | 64.2034350097719 | $1,058,838,482.24 | $1,649,192,885.21 | $587,247,527.60 | $914,666,835.99 |
| Q4-95 | 153.700 | 64.5534319297990 | $1,050,653,590.02 | $1,627,572,010.68 | $598,844,500.93 | $927,672,600.86 |
| Q1-96 | 155.067 | 65.1274268786435 | $1,025,426,818.45 | $1,574,493,063.21 | $620,574,360.70 | $952,861,782.57 |
| Q2-96 | 156.400 | 65.6874219506868 | $1,036,844,062.67 | $1,578,451,447.60 | $615,230,350.39 | $936,602,978.34 |
| Q3-96 | 157.300 | 66.0654186243161 | $1,045,270,303.91 | $1,582,174,647.00 | $621,764,332.10 | $941,134,325.72 |
| Q4-96 | 158.667 | 66.6394135731606 | $1,037,222,360.30 | $1,556,469,819.71 | $633,736,934.93 | $950,994,165.39 |
| Q1-97 | 159.633 | 67.0454100003920 | $1,241,455,550.94 | $1,851,663,746.90 | $640,908,341.94 | $955,931,721.40 |
| Q2-97 | 160.000 | 67.1994086452039 | $1,124,351,412.90 | $1,673,156,707.13 | $652,170,721.80 | $970,500,685.86 |
| Q3-97 | 160.800 | 67.5354056884300 | $1,187,297,429.44 | $1,758,037,013.83 | $663,905,301.38 | $983,047,772.67 |
| Q4-97 | 161.667 | 67.8994024852581 | $1,178,888,223.00 | $1,736,227,683.67 | $683,763,481.14 | $1,007,024,297.87 |
| Q1-98 | 162.000 | 68.0394012532690 | $1,183,048,116.25 | $1,738,769,146.20 | $680,683,150.81 | $1,000,424,957.12 |
| Q2-98 | 162.533 | 68.2633992820863 | $1,124,473,143.16 | $1,647,256,296.91 | $713,354,715.86 | $1,045,003,213.08 |
| Q3-98 | 163.367 | 68.6133962021134 | $1,095,725,870.49 | $1,596,956,179.31 | $703,709,116.37 | $1,025,614,756.47 |
| Q4-98 | 164.133 | 68.9353933685384 | $1,162,585,650.59 | $1,686,485,843.89 | $720,499,256.02 | $1,045,180,452.03 |
| Q1-99 | 164.733 | 69.1873911509579 | $1,133,007,074.00 | $1,637,591,843.18 | $684,400,453.48 | $989,198,236.98 |
| Q2-99 | 165.967 | 69.7053865925980 | $1,127,191,441.87 | $1,617,079,392.24 | $710,274,516.23 | $1,018,966,468.66 |
| Q3-99 | 167.200 | 70.2233820342381 | $1,148,343,605.12 | $1,635,272,429.00 | $721,604,519.55 | $1,027,584,400.88 |
| Q4-99 | 168.433 | 70.7413774758782 | $1,115,415,678.03 | $1,576,751,425.87 | $746,239,045.80 | $1,054,883,396.99 |
| Q1-00 | 170.100 | 71.4413713159324 | $1,232,797,520.37 | $1,725,607,302.41 | $773,016,449.54 | $1,082,029,131.44 |
| Q2-00 | 171.433 | 72.0013663879758 | $1,230,504,582.49 | $1,709,001,709.58 | $773,146,680.57 | $1,073,794,456.07 |
| Q3-00 | 173.000 | 72.6593605976268 | $1,104,443,035.75 | $1,520,028,564.34 | $777,360,495.83 | $1,069,869,717.32 |
| Q4-00 | 174.233 | 73.1773560392669 | $1,172,457,899.71 | $1,602,214,077.10 | $782,951,647.33 | $1,069,937,053.90 |
| Q1-01 | 175.900 | 73.8773498793211 | $1,039,161,379.39 | $1,406,603,486.84 | $800,172,318.58 | $1,083,109,125.99 |
| Q2-01 | 177.133 | 74.3953453209612 | $1,099,468,551.51 | $1,477,872,771.16 | $797,190,164.18 | $1,071,559,196.00 |
| Q3-01 | 177.633 | 74.6053434729775 | $1,084,857,141.54 | $1,454,127,936.47 | $809,655,138.12 | $1,085,250,868.68 |
| Q4-01 | 177.500 | 74.5493439657731 | $1,130,524,173.73 | $1,516,477,695.97 | $804,326,954.77 | $1,078,918,890.47 |
| Q1-02 | 178.067 | 74.7873418713916 | $ 851,791,801.84 | $1,138,951,834.00 | $813,282,151.33 | $1,087,459,630.18 |
| Q2-02 | 179.467 | 75.3753366970371 | $872,534,736.90 | $1,157,586,519.86 | $824,986,078.52 | $1,094,504,004.46 |
| Q3-02 | 180.433 | 75.7813331242685 | $887,221,562.36 | $1,170,765,313.55 | $839,213,656.92 | $1,107,414,744.93 |
| Q4-02 | 181.500 | 76.2293291819032 | $828,624,707.05 | $1,087,015,609.27 | $830,567,980.29 | $1,089,564,855.42 |
| Q1-03 | 183.367 | 77.0133222827639 | $876,258,000.89 | $1,137,800,545.30 | $842,121,244.75 | $1,093,474,764.87 |
| Q2-03 | 183.067 | 76.8873233915542 | $872,725,524.23 | $1,135,070,757.75 | $838,564,971.97 | $1,090,641,389.21 |
| Q3-03 | 184.433 | 77.4613183403986 | $872,070,306.22 | $1,125,813,922.23 | $843,807,838.35 | $1,089,328,010.98 |
| Q4-03 | 185.133 | 77.7553157532214 | $882,763,911.81 | $1,135,310,046.98 | $838,658,096.43 | $1,078,586,188.36 |
| Q1-04 | 186.700 | 78.4133099628723 | $934,700,574.70 | $1,192,017,752.02 | $857,671,307.14 | $1,093,782,812.57 |
| Q2-04 | 188.167 | 79.0293045421200 | $942,696,204.96 | $1,192,843,857.63 | $858,683,964.77 | $1,086,538,683.01 |
| Q3-04 | 189.367 | 79.5333001069591 | $948,991,992.64 | $1,193,200,824.51 | $877,192,784.12 | $1,102,925,168.38 |
| Q4-04 | 191.400 | 80.3872925918252 | $942,882,015.80 | $1,172,924,209.04 | $898,774,417.35 | $1,118,055,339.81 |
| Q1-05 | 192.367 | 80.7932890190566 | $945,361,363.61 | $1,170,098,872.19 | $889,668,048.12 | $1,101,165,776.17 |
| Q2-05 | 193.667 | 81.3392842142989 | $956,626,569.68 | $1,176,094,157.85 | $911,409,816.97 | $1,120,503,857.12 |
| Q3-05 | 196.600 | 82.5712733727943 | $988,814,122.15 | $1,197,528,004.31 | $946,547,755.97 | $1,146,340,267.39 |
| Q4-05 | 198.433 | 83.3412665968539 | $1,012,685,587.93 | $1,215,107,028.35 | $935,932,377.26 | $1,123,011,942.92 |
| Q1-06 | 199.467 | 83.7752627776876 | $1,015,335,193.28 | $1,211,974,942.97 | $996,627,413.36 | $1,189,644,031.32 |
| Q2-06 | 201.267 | 84.5312561249461 | $1,044,340,855.56 | $1,235,449,351.44 | $989,333,111.90 | $1,170,375,500.44 |
| Q3-06 | 203.167 | 85.3292491026079 | $1,014,369,581.11 | $1,188,771,249.93 | $974,502,638.85 | $1,142,049,940.78 |
| Q4-06 | 202.333 | 84.9792521825808 | $1,048,528,442.51 | $1,233,864,049.85 | $987,119,103.08 | $1,161,600,129.12 |
| Q1-07 | 204.317 | 85.8123848510133 | $1,076,253,845.53 | $1,254,194,073.96 | $992,303,578.47 | $1,156,364,061.20 |
| Q2-07 | 206.631 | 86.7842562985446 | $1,085,298,968.10 | $1,250,571,260.72 | $1,010,326,848.15 | $1,164,182,181.47 |
| Q3-07 | 207.939 | 87.3336114642191 | $1,079,314,939.33 | $1,235,852,864.93 | $1,017,545,576.10 | $1,165,124,811.68 |
| Q4-07 | 210.490 | 88.4048820370381 | $1,078,306,431.93 | $1,219,736,294.06 | $1,036,109,741.34 | $1,172,005,117.21 |
| Q1-08 | 212.770 | 89.3624736102322 | $1,145,600,949.85 | $1,281,970,947.72 | $1,064,476,569.32 | $1,191,189,686.58 |
| Q2-08 | 215.538 | 90.5250233797943 | $1,140,085,961.49 | $1,259,415,263.23 | $1,068,130,869.95 | $1,179,928,852.89 |
| Q3-08 | 218.861 | 91.9208110968624 | $1,110,133,938.60 | $1,207,706,856.97 | $1,084,222,511.62 | $1,179,517,998.90 |
| Q4-08 | 213.849 | 89.8156496222833 | $1,055,423,926.79 | $1,175,100,253.94 | $1,081,795,656.17 | $1,204,462,318.89 |
| Q1-09 | 212.378 | 89.1978350590515 | $1,006,086,110.58 | $1,127,926,602.61 | $1,080,532,735.67 | $1,211,388,970.32 |
| Q2-09 | 213.507 | 89.6721508850722 | $1,012,854,592.51 | $1,129,508,529.14 | $1,071,214,747.93 | $1,194,590,223.79 |
| Q3-09 | 215.344 | 90.4436840955800 | $1,058,193,032.26 | $1,170,002,132.09 | $1,069,149,814.51 | $1,182,116,612.34 |
| Q4-09 | 217.030 | 91.1517978641788 | $1,065,491,146.96 | $1,168,919,507.82 | $1,092,659,853.90 | $1,198,725,510.09 |
| Q1-10 | 217.374 | 91.2962765927660 | $1,071,823,010.02 | $1,174,005,173.07 | $1,069,258,185.30 | $1,171,195,830.98 |
| Q2-10 | 217.297 | 91.2640768761235 | $1,101,007,517.84 | $1,206,397,473.71 | $1,113,261,995.50 | $1,219,824,966.85 |
| Q3-10 | 217.934 | 91.5316145217922 | $1,060,495,174.14 | $1,158,610,803.14 | $1,096,155,503.84 | $1,197,570,379.99 |
| Q4-10 | 219.699 | 92.2727679996416 | $1,124,777,986.86 | $1,218,970,679.26 | $1,150,835,849.04 | $1,247,210,714.48 |
| Q1-11 | 222.044 | 93.2575193338299 | $1,141,461,244.56 | $1,223,988,427.65 | $1,116,630,301.81 | $1,197,362,217.86 |
| Q2-11 | 224.568 | 94.3178700027440 | $1,188,152,936.45 | $1,259,732,579.22 | $1,156,929,008.02 | $1,226,627,581.80 |
| Q3-11 | 226.033 | 94.9328845906156 | $1,173,397,183.63 | $1,236,028,156.83 | $1,169,495,587.31 | $1,231,918,309.82 |
| Q4-11 | 227.047 | 95.3590408404406 | $1,188,492,250.55 | $1,246,334,107.47 | $1,115,410,358.46 | $1,169,695,446.42 |
| Q1-12 | 228.377 | 95.9174959260359 | $1,260,182,044.67 | $1,313,818,748.60 | $1,184,492,169.56 | $1,234,907,310.83 |
| Q2-12 | 228.838 | 96.1111142221949 | $1,290,202,989.24 | $1,342,407,691.02 | $1,175,467,521.69 | $1,223,029,751.76 |
| Q3-12 | 229.769 | 96.5019907824811 | $1,288,976,720.61 | $1,335,699,616.30 | $1,202,813,130.65 | $1,246,412,764.03 |
| Q4-12 | 231.402 | 97.1878447469662 | $1,288,265,347.32 | $1,325,541,636.07 | $1,226,365,765.91 | $1,261,850,974.37 |
| Q1-13 | 232.320 | 97.5734013540681 | $1,304,032,383.51 | $1,336,462,975.99 | $1,232,971,620.41 | $1,263,634,969.47 |
| Q2-13 | 232.036 | 97.4542624024909 | $1,312,957,913.58 | $1,347,255,503.46 | $1,238,736,728.40 | $1,271,095,484.03 |
| Q3-13 | 233.213 | 97.9487380511052 | $1,290,610,203.57 | $1,317,638,419.09 | $1,264,233,462.85 | $1,290,709,291.41 |
| Q4-13 | 234.285 | 98.3989740890280 | $1,567,792,589.60 | $1,593,301,763.68 | $1,260,179,702.74 | $1,280,683,781.92 |
| Q1-14 | 235.651 | 98.9726890403365 | $1,322,070,917.82 | $1,335,793,672.62 | $1,314,551,784.75 | $1,328,196,492.88 |
| Q2-14 | 236.771 | 99.4430849008529 | $1,393,287,968.81 | $1,401,090,855.34 | $1,306,902,986.19 | $1,314,222,087.43 |
| Q3-14 | 237.311 | 99.6696029074944 | $1,471,917,164.95 | $1,476,796,457.51 | $1,336,377,997.41 | $1,340,807,988.02 |
| Q4-14 | 237.125 | 99.5917635924804 | $1,450,191,541.74 | $1,456,136,019.11 | $1,334,488,571.84 | $1,339,958,771.39 |
| Q1-15 | 235.409 | 98.8710499347606 | $1,408,840,694.31 | $1,424,927,413.28 | $1,358,764,002.24 | $1,374,278,925.06 |
| Q2-15 | 236.832 | 99.4685646766308 | $1,393,229,405.99 | $1,400,673,077.49 | $1,374,718,537.92 | $1,382,063,310.54 |
| Q3-15 | 237.642 | 99.8087616828972 | $1,330,952,080.08 | $1,333,502,247.34 | $1,391,287,052.37 | $1,393,952,824.29 |
| Q4-15 | 238.097 | 100 | $1,312,994,764.54 | $1,312,994,764.54 | $1,427,270,033.09 | $1,427,270,033.09 |

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**Table A3:***Lubbock Business Cycle Index*

|  |  |
| --- | --- |
| **Date** | **Business Cycle Index** |
| Oct-90 | 99.54696 |
| Nov-90 | 99.68792 |
| Dec-90 | 99.71282 |
| Jan-91 | 99.5577 |
| Feb-91 | 99.24292 |
| Mar-91 | 98.69675 |
| Apr-91 | 98.34103 |
| May-91 | 98.24249 |
| Jun-91 | 98.05303 |
| Jul-91 | 97.95148 |
| Aug-91 | 97.72679 |
| Sep-91 | 97.33164 |
| Oct-91 | 97.29449 |
| Nov-91 | 97.35037 |
| Dec-91 | 97.58494 |
| Jan-92 | 98.16464 |
| Feb-92 | 98.35432 |
| Mar-92 | 98.46617 |
| Apr-92 | 98.7226 |
| May-92 | 98.81159 |
| Jun-92 | 99.33646 |
| Jul-92 | 100 |
| Aug-92 | 100.3515 |
| Sep-92 | 100.8378 |
| Oct-92 | 101.0104 |
| Nov-92 | 101.0827 |
| Dec-92 | 101.5741 |
| Jan-93 | 102.0103 |
| Feb-93 | 102.7883 |
| Mar-93 | 103.7544 |
| Apr-93 | 104.2369 |
| May-93 | 104.7533 |
| Jun-93 | 105.16 |
| Jul-93 | 105.3072 |
| Aug-93 | 105.8877 |
| Sep-93 | 106.4438 |
| Oct-93 | 106.7324 |
| Nov-93 | 107.1519 |
| Dec-93 | 107.0605 |
| Jan-94 | 106.8717 |
| Feb-94 | 107.2398 |
| Mar-94 | 107.5054 |
| Apr-94 | 108.0983 |
| May-94 | 108.9233 |
| Jun-94 | 109.2538 |
| Jul-94 | 109.798 |
| Aug-94 | 110.3207 |
| Sep-94 | 110.5475 |
| Oct-94 | 111.2913 |
| Nov-94 | 111.9106 |
| Dec-94 | 112.1562 |
| Jan-95 | 112.6728 |
| Feb-95 | 112.817 |
| Mar-95 | 112.9247 |
| Apr-95 | 113.59 |
| May-95 | 113.853 |
| Jun-95 | 114.1044 |
| Jul-95 | 114.5003 |
| Aug-95 | 114.4569 |
| Sep-95 | 114.7415 |
| Oct-95 | 114.9721 |
| Nov-95 | 114.8853 |
| Dec-95 | 115.1367 |
| Jan-96 | 115.1601 |
| Feb-96 | 115.2605 |
| Mar-96 | 115.6829 |
| Apr-96 | 115.6547 |
| May-96 | 115.8399 |
| Jun-96 | 116.1672 |
| Jul-96 | 116.1501 |
| Aug-96 | 116.5569 |
| Sep-96 | 116.9258 |
| Oct-96 | 117.1489 |
| Nov-96 | 117.8104 |
| Dec-96 | 118.2593 |
| Jan-97 | 118.7174 |
| Feb-97 | 119.3865 |
| Mar-97 | 119.6786 |
| Apr-97 | 120.0333 |
| May-97 | 120.5798 |
| Jun-97 | 121.0404 |
| Jul-97 | 121.7586 |
| Aug-97 | 122.3575 |
| Sep-97 | 122.6041 |
| Oct-97 | 123.0423 |
| Nov-97 | 123.3237 |
| Dec-97 | 123.5489 |
| Jan-98 | 124.1962 |
| Feb-98 | 124.5823 |
| Mar-98 | 124.782 |
| Apr-98 | 125.1433 |
| May-98 | 125.0586 |
| Jun-98 | 125.0558 |
| Jul-98 | 125.225 |
| Aug-98 | 125.1086 |
| Sep-98 | 125.5011 |
| Oct-98 | 125.9546 |
| Nov-98 | 126.1392 |
| Dec-98 | 126.6932 |
| Jan-99 | 126.8368 |
| Feb-99 | 126.7486 |
| Mar-99 | 127.1143 |
| Apr-99 | 127.2139 |
| May-99 | 127.4379 |
| Jun-99 | 128.1437 |
| Jul-99 | 128.6972 |
| Aug-99 | 129.3849 |
| Sep-99 | 130.2128 |
| Oct-99 | 130.6562 |
| Nov-99 | 131.0249 |
| Dec-99 | 131.0751 |
| Jan-00 | 130.6339 |
| Feb-00 | 130.6602 |
| Mar-00 | 131.1229 |
| Apr-00 | 131.6046 |
| May-00 | 132.1364 |
| Jun-00 | 132.2331 |
| Jul-00 | 131.8691 |
| Aug-00 | 131.7984 |
| Sep-00 | 132.0099 |
| Oct-00 | 132.4601 |
| Nov-00 | 133.0942 |
| Dec-00 | 133.3482 |
| Jan-01 | 133.4667 |
| Feb-01 | 133.59 |
| Mar-01 | 133.5663 |
| Apr-01 | 133.7505 |
| May-01 | 133.9763 |
| Jun-01 | 133.9236 |
| Jul-01 | 133.7211 |
| Aug-01 | 133.3282 |
| Sep-01 | 132.7072 |
| Oct-01 | 132.2372 |
| Nov-01 | 131.9912 |
| Dec-01 | 131.8035 |
| Jan-02 | 131.6439 |
| Feb-02 | 131.2746 |
| Mar-02 | 130.5914 |
| Apr-02 | 130.0173 |
| May-02 | 129.6398 |
| Jun-02 | 129.463 |
| Jul-02 | 129.5894 |
| Aug-02 | 129.4584 |
| Sep-02 | 129.0856 |
| Oct-02 | 128.7571 |
| Nov-02 | 128.3448 |
| Dec-02 | 128.2627 |
| Jan-03 | 128.3872 |
| Feb-03 | 128.3989 |
| Mar-03 | 128.495 |
| Apr-03 | 128.0971 |
| May-03 | 127.4214 |
| Jun-03 | 127.0045 |
| Jul-03 | 126.6021 |
| Aug-03 | 126.6867 |
| Sep-03 | 127.1803 |
| Oct-03 | 127.4463 |
| Nov-03 | 127.7262 |
| Dec-03 | 127.8054 |
| Jan-04 | 127.6318 |
| Feb-04 | 127.8269 |
| Mar-04 | 128.2782 |
| Apr-04 | 128.9493 |
| May-04 | 129.7343 |
| Jun-04 | 130.1181 |
| Jul-04 | 130.1651 |
| Aug-04 | 130.0577 |
| Sep-04 | 129.7707 |
| Oct-04 | 129.5802 |
| Nov-04 | 129.7537 |
| Dec-04 | 130.2815 |
| Jan-05 | 130.9343 |
| Feb-05 | 131.3487 |
| Mar-05 | 131.6117 |
| Apr-05 | 131.6516 |
| May-05 | 131.7765 |
| Jun-05 | 132.3188 |
| Jul-05 | 132.6807 |
| Aug-05 | 132.9694 |
| Sep-05 | 133.3954 |
| Oct-05 | 133.3182 |
| Nov-05 | 133.3496 |
| Dec-05 | 133.7705 |
| Jan-06 | 133.8967 |
| Feb-06 | 134.2119 |
| Mar-06 | 134.5704 |
| Apr-06 | 134.4466 |
| May-06 | 134.649 |
| Jun-06 | 134.8599 |
| Jul-06 | 134.7112 |
| Aug-06 | 135.2255 |
| Sep-06 | 135.6473 |
| Oct-06 | 135.6801 |
| Nov-06 | 136.3037 |
| Dec-06 | 136.3082 |
| Jan-07 | 135.8561 |
| Feb-07 | 135.9326 |
| Mar-07 | 135.4868 |
| Apr-07 | 135.4793 |
| May-07 | 136.2091 |
| Jun-07 | 136.3352 |
| Jul-07 | 136.8578 |
| Aug-07 | 137.2929 |
| Sep-07 | 136.8002 |
| Oct-07 | 136.9965 |
| Nov-07 | 137.2391 |
| Dec-07 | 137.3217 |
| Jan-08 | 138.3642 |
| Feb-08 | 138.7835 |
| Mar-08 | 138.8032 |
| Apr-08 | 139.31 |
| May-08 | 139.0402 |
| Jun-08 | 138.9988 |
| Jul-08 | 139.3054 |
| Aug-08 | 138.864 |
| Sep-08 | 138.8658 |
| Oct-08 | 138.8166 |
| Nov-08 | 138.27 |
| Dec-08 | 138.2326 |
| Jan-09 | 137.6438 |
| Feb-09 | 136.6908 |
| Mar-09 | 136.2369 |
| Apr-09 | 135.4288 |
| May-09 | 134.6732 |
| Jun-09 | 134.3648 |
| Jul-09 | 133.8186 |
| Aug-09 | 133.472 |
| Sep-09 | 133.3536 |
| Oct-09 | 132.9743 |
| Nov-09 | 132.6561 |
| Dec-09 | 132.2011 |
| Jan-10 | 131.6501 |
| Feb-10 | 131.5153 |
| Mar-10 | 131.7568 |
| Apr-10 | 132.3014 |
| May-10 | 132.8774 |
| Jun-10 | 133.1659 |
| Jul-10 | 133.1047 |
| Aug-10 | 132.8132 |
| Sep-10 | 132.9716 |
| Oct-10 | 133.3974 |
| Nov-10 | 133.7635 |
| Dec-10 | 134.5974 |
| Jan-11 | 135.0823 |
| Feb-11 | 135.1544 |
| Mar-11 | 135.4731 |
| Apr-11 | 135.2678 |
| May-11 | 135.1243 |
| Jun-11 | 135.2905 |
| Jul-11 | 134.9803 |
| Aug-11 | 134.9669 |
| Sep-11 | 135.1483 |
| Oct-11 | 135.1005 |
| Nov-11 | 135.5375 |
| Dec-11 | 135.8784 |
| Jan-12 | 135.8277 |
| Feb-12 | 136.1611 |
| Mar-12 | 136.4711 |
| Apr-12 | 136.7989 |
| May-12 | 137.6067 |
| Jun-12 | 138.102 |
| Jul-12 | 138.3175 |
| Aug-12 | 138.9445 |
| Sep-12 | 139.2943 |
| Oct-12 | 139.643 |
| Nov-12 | 140.3911 |
| Dec-12 | 140.593 |
| Jan-13 | 140.9049 |
| Feb-13 | 141.6234 |
| Mar-13 | 141.8717 |
| Apr-13 | 142.4863 |
| May-13 | 143.2797 |
| Jun-13 | 143.6337 |
| Jul-13 | 144.4589 |
| Aug-13 | 145.1664 |
| Sep-13 | 145.3198 |
| Oct-13 | 145.8365 |
| Nov-13 | 146.1685 |
| Dec-13 | 146.3038 |
| Jan-14 | 146.9911 |
| Feb-14 | 147.4666 |
| Mar-14 | 147.9229 |
| Apr-14 | 148.7245 |
| May-14 | 149.0413 |
| Jun-14 | 149.3907 |
| Jul-14 | 149.954 |
| Aug-14 | 150.077 |
| Sep-14 | 150.5794 |
| Oct-14 | 151.306 |
| Nov-14 | 151.6438 |
| Dec-14 | 152.4481 |
| Jan-15 | 153.1493 |
| Feb-15 | 153.4008 |
| Mar-15 | 153.9754 |
| Apr-15 | 154.2307 |
| May-15 | 154.2749 |
| Jun-15 | 154.9291 |
| Jul-15 | 155.402 |
| Aug-15 | 155.7336 |
| Sep-15 | 156.2209 |
| Oct-15 | 156.1382 |
| Nov-15 | 156.1405 |
| Dec-15 | 156.3537 |
| Jan-16 | 156.2431 |
| Feb-16 | 156.489 |
| Mar-16 | 156.7324 |
| Apr-16 | 156.6231 |
| May-16 | 156.6747 |
| Jun-16 | 156.2751 |
| Jul-16 | 155.6657 |