



ECONOMIC FORECAST

Fiscal Year Summary Tables

Preliminary
October 26, 2017

Table 1.1
U.S. Economic Forecast Summary
 Forecast 2018 to 2021

Fiscal Years

| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|---|----------|----------|----------|----------|----------|----------|----------|----------|
| Real National Income Accounts (Billions of Chained 2009 Dollars) | | | | | | | | |
| Real Gross Domestic Product | 15,782.2 | 16,292.7 | 16,577.6 | 16,891.0 | 17,292.2 | 17,676.7 | 18,045.0 | 18,419.4 |
| % Ch | 2.2 | 3.2 | 1.7 | 1.9 | 2.4 | 2.2 | 2.1 | 2.1 |
| Real Consumption | 10,688.5 | 11,082.1 | 11,413.0 | 11,732.8 | 12,018.7 | 12,298.0 | 12,554.3 | 12,804.0 |
| % Ch | 2.0 | 3.7 | 3.0 | 2.8 | 2.4 | 2.3 | 2.1 | 2.0 |
| Real Nonresidential Fixed Investment | 2,094.8 | 2,215.7 | 2,210.4 | 2,253.3 | 2,347.8 | 2,409.9 | 2,509.5 | 2,621.8 |
| % Ch | 5.1 | 5.8 | -0.2 | 1.9 | 4.2 | 2.6 | 4.1 | 4.5 |
| Real Residential Fixed Investment | 494.6 | 529.4 | 580.2 | 592.3 | 587.9 | 619.6 | 640.1 | 665.2 |
| % Ch | 6.2 | 7.0 | 9.6 | 2.1 | -0.7 | 5.4 | 3.3 | 3.9 |
| Real Personal Income | 13,280.1 | 13,927.6 | 14,327.2 | 14,463.0 | 14,691.9 | 15,078.6 | 15,517.4 | 15,931.4 |
| % Ch | 1.2 | 4.9 | 2.9 | 0.9 | 1.6 | 2.6 | 2.9 | 2.7 |
| Real Per Capita Income (\$/Person) | 41,760 | 43,478 | 44,417 | 44,532 | 44,901 | 45,715 | 46,675 | 47,547 |
| % Ch | 0.5 | 4.1 | 2.2 | 0.3 | 0.8 | 1.8 | 2.1 | 1.9 |
| Price and Wage Indexes | | | | | | | | |
| PCE Price Index (2009=100) | 108.4 | 109.3 | 110.0 | 111.8 | 113.5 | 115.3 | 117.3 | 119.6 |
| % Ch | 1.4 | 0.9 | 0.7 | 1.6 | 1.6 | 1.6 | 1.8 | 1.9 |
| U.S. Consumer Price Index (1982-84=1.0) | 2.350 | 2.367 | 2.383 | 2.427 | 2.478 | 2.524 | 2.580 | 2.638 |
| % Ch | 1.6 | 0.7 | 0.7 | 1.9 | 2.1 | 1.9 | 2.2 | 2.3 |
| Employment Cost Index (Dec. 2005=1.0) | 1.193 | 1.221 | 1.248 | 1.278 | 1.314 | 1.355 | 1.401 | 1.448 |
| % Ch | 1.9 | 2.3 | 2.2 | 2.4 | 2.8 | 3.2 | 3.3 | 3.4 |
| Current Dollar National Income (Billions of Dollars) | | | | | | | | |
| Gross Domestic Product | 17,025.4 | 17,831.5 | 18,344.5 | 18,985.6 | 19,763.4 | 20,663.4 | 21,546.0 | 22,474.2 |
| % Ch | 3.9 | 4.7 | 2.9 | 3.5 | 4.1 | 4.6 | 4.3 | 4.3 |
| Personal Income | 14,393.2 | 15,222.7 | 15,764.0 | 16,165.8 | 16,680.1 | 17,384.6 | 18,207.0 | 19,054.3 |
| % Ch | 2.6 | 5.8 | 3.6 | 2.5 | 3.2 | 4.2 | 4.7 | 4.7 |
| Employment (Millions) | | | | | | | | |
| U.S. Civilian Labor Force | 155.5 | 156.6 | 158.0 | 159.8 | 161.3 | 163.1 | 164.8 | 166.1 |
| Total U.S. Employment | 145.0 | 147.7 | 150.1 | 152.3 | 154.3 | 156.1 | 157.7 | 159.0 |
| Unemployment Rate (%) | 6.77 | 5.68 | 4.98 | 4.66 | 4.28 | 4.30 | 4.31 | 4.27 |
| Nonfarm Payroll Employment | 137.56 | 140.42 | 143.09 | 145.43 | 147.40 | 149.03 | 150.38 | 151.46 |
| % Ch | 1.7 | 2.1 | 1.9 | 1.6 | 1.3 | 1.1 | 0.9 | 0.7 |
| Manufacturing | 12.09 | 12.28 | 12.35 | 12.36 | 12.55 | 12.83 | 13.03 | 13.19 |
| % Ch | 0.9 | 1.6 | 0.6 | 0.1 | 1.5 | 2.2 | 1.6 | 1.3 |
| Durable Manufacturing | 7.60 | 7.74 | 7.75 | 7.72 | 7.86 | 8.08 | 8.22 | 8.37 |
| % Ch | 1.1 | 1.9 | 0.1 | -0.4 | 1.8 | 2.8 | 1.8 | 1.8 |
| Nondurable Manufacturing | 4.49 | 4.54 | 4.61 | 4.65 | 4.69 | 4.75 | 4.80 | 4.82 |
| % Ch | 0.5 | 1.0 | 1.5 | 0.9 | 1.0 | 1.3 | 1.1 | 0.3 |
| Construction | 5.99 | 6.31 | 6.61 | 6.80 | 6.95 | 7.07 | 7.31 | 7.55 |
| % Ch | 4.3 | 5.4 | 4.7 | 3.0 | 2.2 | 1.7 | 3.3 | 3.2 |
| Service-Providing | 118.61 | 120.96 | 123.40 | 125.59 | 127.15 | 128.36 | 129.27 | 129.94 |
| % Ch | 1.7 | 2.0 | 2.0 | 1.8 | 1.2 | 0.9 | 0.7 | 0.5 |
| Miscellaneous Indicators | | | | | | | | |
| Oil-WTI (\$ per barrel) | 101.3 | 69.3 | 41.7 | 48.6 | 51.3 | 51.9 | 50.7 | 50.2 |
| Personal Saving/Disposable Income (%) | 5.3 | 6.0 | 5.8 | 4.0 | 3.1 | 3.3 | 4.0 | 4.2 |
| Auto Sales (Millions) | 7.6 | 7.7 | 7.2 | 6.5 | 5.9 | 5.8 | 5.8 | 5.8 |
| % Ch | 2.3 | 0.8 | -5.9 | -10.5 | -8.5 | -2.7 | 1.0 | -0.1 |
| Housing Starts (Millions) | 0.955 | 1.056 | 1.149 | 1.201 | 1.220 | 1.351 | 1.432 | 1.485 |
| % Ch | 8.9 | 10.5 | 8.9 | 4.5 | 1.6 | 10.8 | 6.0 | 3.7 |
| Federal Budget Surplus (Billions) | -612.4 | -597.2 | -649.4 | -669.8 | -624.0 | -631.6 | -641.7 | -627.6 |
| Net Exports (Billions) | -490.7 | -513.6 | -519.7 | -551.8 | -539.1 | -420.2 | -389.5 | -366.8 |
| 3-Month Treasury Bill Rate (%) | 0.04 | 0.02 | 0.18 | 0.55 | 1.28 | 2.07 | 2.80 | 2.86 |
| 10-Year Treasury Note Yield (%) | 2.71 | 2.23 | 2.02 | 2.10 | 2.70 | 3.51 | 4.02 | 3.97 |
| Bond Index of 20 G.O. Munis. (%) | 4.55 | 3.83 | 3.51 | 3.51 | 4.04 | 4.75 | 4.94 | 4.91 |
| 30-Year Fixed Mortgage Rate (%) | 4.33 | 3.92 | 3.80 | 3.85 | 4.37 | 5.41 | 6.02 | 5.97 |

Table 2.1
Washington Economic Forecast Summary
 Forecast 2018 to 2021

Fiscal Years

| | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|---|---------|---------|---------|---------|---------|---------|---------|---------|
| Real Income (Billions of Chained 2009 Dollars) | | | | | | | | |
| Real Personal Income | 317.561 | 339.180 | 353.532 | 365.693 | 375.967 | 388.764 | 402.995 | 416.389 |
| % Ch | 2.6 | 6.8 | 4.2 | 3.4 | 2.8 | 3.4 | 3.7 | 3.3 |
| Real Wage and Salary Disb. | 162.030 | 170.815 | 180.187 | 188.958 | 196.614 | 203.092 | 209.290 | 215.357 |
| % Ch | 3.4 | 5.4 | 5.5 | 4.9 | 4.1 | 3.3 | 3.1 | 2.9 |
| Real Nonwage Income | 155.531 | 168.365 | 173.345 | 176.735 | 179.353 | 185.672 | 193.705 | 201.032 |
| % Ch | 1.8 | 8.3 | 3.0 | 2.0 | 1.5 | 3.5 | 4.3 | 3.8 |
| Real Per Capita Income (\$/Person) | 45,286 | 47,711 | 48,931 | 49,730 | 50,288 | 51,209 | 52,326 | 53,338 |
| % Ch | 1.5 | 5.4 | 2.6 | 1.6 | 1.1 | 1.8 | 2.2 | 1.9 |
| Price and Wage Indexes | | | | | | | | |
| U.S. Implicit Price Deflator, PCE (2009=1.0) | 1.084 | 1.093 | 1.100 | 1.118 | 1.135 | 1.153 | 1.173 | 1.196 |
| % Ch | 1.4 | 0.9 | 0.7 | 1.6 | 1.6 | 1.6 | 1.8 | 1.9 |
| Seattle Cons. Price Index (1982-84=1.0) | 2.437 | 2.473 | 2.521 | 2.589 | 2.652 | 2.708 | 2.770 | 2.835 |
| % Ch | 1.4 | 1.5 | 1.9 | 2.7 | 2.4 | 2.1 | 2.3 | 2.3 |
| Average Nonfarm Annual Wage | 55,934 | 57,982 | 59,884 | 62,006 | 63,934 | 65,841 | 68,019 | 70,455 |
| % Ch | 2.9 | 3.7 | 3.3 | 3.5 | 3.1 | 3.0 | 3.3 | 3.6 |
| Avg. Hourly Earnings-Mfg. (\$/Hour) | 24.76 | 25.28 | 26.00 | 26.80 | 28.15 | 29.03 | 29.91 | 30.85 |
| % Ch | 2.3 | 2.1 | 2.8 | 3.1 | 5.0 | 3.1 | 3.0 | 3.1 |
| Current Dollar Income (Billions of Dollars) | | | | | | | | |
| Personal Income | 344.184 | 370.709 | 388.979 | 408.744 | 426.849 | 448.223 | 472.850 | 498.015 |
| % Ch | 4.1 | 7.7 | 4.9 | 5.1 | 4.4 | 5.0 | 5.5 | 5.3 |
| Disposable Personal Income | 302.965 | 325.227 | 340.904 | 358.222 | 373.674 | 391.883 | 412.374 | 432.316 |
| % Ch | 3.4 | 7.3 | 4.8 | 5.1 | 4.3 | 4.9 | 5.2 | 4.8 |
| Per Capita Income (\$/Person) | 49,082 | 52,147 | 53,837 | 55,583 | 57,093 | 59,040 | 61,395 | 63,793 |
| % Ch | 2.9 | 6.2 | 3.2 | 3.2 | 2.7 | 3.4 | 4.0 | 3.9 |
| Employment (Thousands) | | | | | | | | |
| Washington Civilian Labor Force | 3,465.7 | 3,517.0 | 3,589.6 | 3,677.0 | 3,775.1 | 3,858.5 | 3,928.7 | 3,990.2 |
| Total Washington Employment | 3,240.7 | 3,313.2 | 3,388.8 | 3,492.6 | 3,604.3 | 3,686.1 | 3,754.9 | 3,816.9 |
| Unemployment Rate (%) | 6.49 | 5.80 | 5.59 | 5.02 | 4.53 | 4.47 | 4.42 | 4.34 |
| Nonfarm Payroll Employment | 3,017.1 | 3,102.5 | 3,193.2 | 3,290.2 | 3,375.3 | 3,439.3 | 3,492.6 | 3,537.7 |
| % Ch | 2.3 | 2.8 | 2.9 | 3.0 | 2.6 | 1.9 | 1.5 | 1.3 |
| Manufacturing | 287.5 | 290.5 | 292.3 | 286.4 | 286.3 | 291.5 | 295.1 | 298.9 |
| % Ch | 0.9 | 1.0 | 0.6 | -2.0 | 0.0 | 1.8 | 1.2 | 1.3 |
| Durable Manufacturing | 209.4 | 210.7 | 210.5 | 203.3 | 200.6 | 203.9 | 205.7 | 208.5 |
| % Ch | 0.4 | 0.6 | -0.1 | -3.4 | -1.4 | 1.7 | 0.9 | 1.4 |
| Aerospace | 94.7 | 94.3 | 93.2 | 87.5 | 81.1 | 79.2 | 77.9 | 77.8 |
| % Ch | -1.7 | -0.5 | -1.2 | -6.1 | -7.3 | -2.4 | -1.6 | -0.1 |
| Nondurable Manufacturing | 78.0 | 79.8 | 81.8 | 83.1 | 85.7 | 87.6 | 89.4 | 90.4 |
| % Ch | 2.3 | 2.2 | 2.6 | 1.6 | 3.2 | 2.2 | 2.0 | 1.1 |
| Construction | 153.7 | 168.0 | 178.8 | 194.6 | 202.7 | 203.6 | 204.7 | 205.9 |
| % Ch | 6.8 | 9.3 | 6.4 | 8.8 | 4.2 | 0.4 | 0.6 | 0.6 |
| Service-Providing | 2,569.7 | 2,637.7 | 2,715.8 | 2,803.0 | 2,880.3 | 2,938.1 | 2,986.5 | 3,026.6 |
| % Ch | 2.2 | 2.6 | 3.0 | 3.2 | 2.8 | 2.0 | 1.6 | 1.3 |
| Software Publishers | 55.0 | 55.5 | 57.2 | 60.3 | 62.4 | 62.7 | 63.3 | 63.8 |
| % Ch | 3.9 | 1.0 | 3.1 | 5.3 | 3.6 | 0.5 | 0.9 | 0.9 |
| Nonfarm Payroll Employment, EOP* | 3,037.8 | 3,137.3 | 3,234.2 | 3,328.2 | 3,401.9 | 3,460.2 | 3,514.5 | 3,552.7 |
| % Ch* | 2.2 | 3.3 | 3.1 | 2.9 | 2.2 | 1.7 | 1.6 | 1.1 |
| Housing Indicators (Thousands) | | | | | | | | |
| Housing Units Authorized by Bldg. Permit | 33.222 | 38.703 | 40.103 | 44.154 | 43.226 | 42.322 | 42.206 | 42.375 |
| % Ch | 6.5 | 16.5 | 3.6 | 10.1 | -2.1 | -2.1 | -0.3 | 0.4 |
| Single-Family | 17.383 | 18.652 | 21.822 | 22.155 | 23.802 | 25.300 | 26.019 | 26.349 |
| % Ch | -6.3 | 7.3 | 17.0 | 1.5 | 7.4 | 6.3 | 2.8 | 1.3 |
| Multi-Family | 15.839 | 20.051 | 18.281 | 21.999 | 19.424 | 17.022 | 16.187 | 16.026 |
| % Ch | 25.2 | 26.6 | -8.8 | 20.3 | -11.7 | -12.4 | -4.9 | -1.0 |
| 30-Year Fixed Mortgage Rate (%) | 4.33 | 3.92 | 3.80 | 3.85 | 4.37 | 5.41 | 6.02 | 5.97 |

*End of Period, for use in the Budget Stabilization Account calculation