



ECONOMIC FORECAST

Calendar Year Summary Tables

Final
February 17, 2016

Table A1.1
U.S. Economic Forecast Summary
Forecast 2016 to 2021

	2014	2015	2016	2017	2018	2019	2020	2021
Real National Income Accounts (Billions of Chained 2009 Dollars)								
Real Gross Domestic Product	15,961.7	16,341.8	16,690.7	17,093.2	17,503.4	17,888.5	18,282.1	18,684.3
% Ch	2.4	2.4	2.1	2.4	2.4	2.2	2.2	2.2
Real Consumption	10,875.7	11,211.3	11,510.4	11,803.2	12,086.5	12,364.4	12,648.9	12,927.2
% Ch	2.7	3.1	2.7	2.5	2.4	2.3	2.3	2.2
Real Nonresidential Fixed Investment	2,148.3	2,209.7	2,267.0	2,360.6	2,484.4	2,599.1	2,696.7	2,806.1
% Ch	6.2	2.9	2.6	4.1	5.2	4.6	3.8	4.1
Real Residential Fixed Investment	486.4	529.0	571.6	634.1	673.2	681.3	699.2	707.4
% Ch	1.8	8.7	8.1	10.9	6.2	1.2	2.6	1.2
Real Personal Income	13,467.6	14,034.1	14,449.7	14,834.0	15,243.1	15,655.1	16,054.0	16,448.1
% Ch	3.0	4.2	3.0	2.7	2.8	2.7	2.5	2.5
Real Per Capita Income (\$/Person)	42,156	43,601	44,529	45,346	46,225	47,099	47,922	48,719
% Ch	2.2	3.4	2.1	1.8	1.9	1.9	1.7	1.7
Price and Wage Indexes								
U.S. Implicit Price Deflator, PCE (2009=1.0)	1.091	1.094	1.102	1.120	1.141	1.161	1.181	1.202
% Ch	1.4	0.3	0.7	1.6	1.8	1.8	1.7	1.7
U.S. Consumer Price Index (1982-84=1.0)	2.367	2.370	2.387	2.438	2.495	2.550	2.604	2.658
% Ch	1.6	0.1	0.7	2.1	2.3	2.2	2.1	2.1
Employment Cost Index (Dec. 2005=1.0)	1.206	1.233	1.260	1.291	1.327	1.365	1.404	1.442
% Ch	2.0	2.2	2.2	2.4	2.8	2.9	2.8	2.7
Current Dollar National Income (Billions of Dollars)								
Gross Domestic Product	17,348.1	17,937.9	18,575.5	19,379.7	20,227.3	21,058.3	21,923.1	22,804.2
% Ch	4.1	3.4	3.6	4.3	4.4	4.1	4.1	4.0
Personal Income	14,694.2	15,357.4	15,927.2	16,618.6	17,392.6	18,180.7	18,968.2	19,768.0
% Ch	4.4	4.5	3.7	4.3	4.7	4.5	4.3	4.2
Employment (Millions)								
U.S. Civilian Labor Force	155.9	157.1	159.5	161.6	163.4	165.0	166.5	167.5
Total U.S. Employment	146.3	148.8	151.7	153.8	155.6	157.1	158.4	159.3
Unemployment Rate (%)	6.17	5.28	4.82	4.76	4.71	4.75	4.81	4.86
Nonfarm Payroll Employment	138.94	141.83	144.27	145.76	147.05	148.22	149.35	150.27
% Ch	1.9	2.1	1.7	1.0	0.9	0.8	0.8	0.6
Manufacturing	12.18	12.32	12.36	12.47	12.55	12.65	12.67	12.72
% Ch	1.4	1.1	0.4	0.9	0.7	0.7	0.2	0.4
Durable Manufacturing	7.67	7.76	7.75	7.86	7.96	8.04	8.07	8.12
% Ch	1.7	1.1	-0.1	1.4	1.3	1.0	0.3	0.7
Nondurable Manufacturing	4.51	4.56	4.61	4.61	4.59	4.61	4.60	4.59
% Ch	0.9	1.1	1.1	0.0	-0.4	0.3	0.0	-0.2
Construction	6.15	6.44	6.76	7.09	7.39	7.64	7.85	8.03
% Ch	5.0	4.8	5.0	4.8	4.2	3.4	2.7	2.3
Service-Providing	119.71	122.25	124.42	125.49	126.36	127.17	128.05	128.73
% Ch	1.8	2.1	1.8	0.9	0.7	0.6	0.7	0.5
Miscellaneous Indicators								
Oil-WTI (\$ per barrel)	93.0	48.8	35.0	42.2	45.1	47.1	48.6	49.6
Personal Saving/Disposable Income (%)	4.8	5.2	5.5	6.0	6.7	7.1	7.0	6.9
Auto Sales (Millions)	7.7	7.5	7.5	7.8	7.8	7.7	7.6	7.7
% Ch	1.4	-2.4	0.4	2.9	0.4	-1.6	-0.6	1.3
Housing Starts (Millions)	1.001	1.107	1.220	1.426	1.525	1.575	1.628	1.629
% Ch	7.8	10.6	10.3	16.9	7.0	3.3	3.4	0.1
Federal Budget Surplus (Billions)	-631.5	-588.0	-629.9	-704.4	-812.2	-871.2	-856.0	-835.8
Net Exports (Billions)	-530.0	-531.9	-451.1	-486.0	-557.4	-579.6	-597.0	-593.5
3-Month Treasury Bill Rate (%)	0.03	0.05	0.54	1.35	2.34	2.81	2.78	2.78
10-Year Treasury Note Yield (%)	2.54	2.14	2.25	2.56	3.10	3.58	3.53	3.52
Bond Index of 20 G.O. Munis. (%)	4.25	3.64	3.96	4.41	4.77	5.16	5.13	5.14
30-Year Fixed Mortgage Rate (%)	4.17	3.85	4.05	4.39	4.99	5.62	5.60	5.57

Table A1.2

U.S. Economic Forecast Summary

Forecast 2016 to 2021

	2016:1	2016:2	2016:3	2016:4	2017:1	2017:2	2017:3	2017:4
Real National Income Accounts (Billions of Chained 2009 Dollars)								
Real Gross Domestic Product	16,532.5	16,638.3	16,743.6	16,848.5	16,948.8	17,048.4	17,143.0	17,232.6
% Ch , Annual Rate	2.2	2.6	2.6	2.5	2.4	2.4	2.2	2.1
Real Consumption	11,395.3	11,471.8	11,549.4	11,625.3	11,699.3	11,771.3	11,838.5	11,903.7
% Ch , Annual Rate	2.6	2.7	2.7	2.7	2.6	2.5	2.3	2.2
Real Nonresidential Fixed Investment	2,231.8	2,260.2	2,279.7	2,296.5	2,326.5	2,346.9	2,368.3	2,400.7
% Ch , Annual Rate	3.1	5.2	3.5	3.0	5.3	3.6	3.7	5.6
Real Residential Fixed Investment	553.2	564.4	578.3	590.4	609.6	626.9	643.4	656.7
% Ch , Annual Rate	6.2	8.3	10.2	8.7	13.6	11.8	11.0	8.5
Real Personal Income	14,345.4	14,403.5	14,486.7	14,563.3	14,686.2	14,791.8	14,882.8	14,975.3
% Ch , Annual Rate	3.7	1.6	2.3	2.1	3.4	2.9	2.5	2.5
Real Per Capita Income (\$/Person)	44,343	44,432	44,598	44,744	45,030	45,263	45,449	45,640
% Ch , Annual Rate	2.9	0.8	1.5	1.3	2.6	2.1	1.7	1.7
Price and Wage Indexes								
U.S. Implicit Price Deflator, PCE (2009=1.0)	1.098	1.100	1.103	1.108	1.113	1.118	1.123	1.128
% Ch , Annual Rate	0.0	0.7	1.2	2.0	1.6	1.7	1.8	1.9
U.S. Consumer Price Index (1982-84=1.0)	2.376	2.379	2.389	2.405	2.418	2.431	2.445	2.459
% Ch , Annual Rate	-0.6	0.4	1.7	2.8	2.0	2.2	2.3	2.4
Employment Cost Index (Dec. 2005=1.0)	1.250	1.257	1.264	1.270	1.278	1.286	1.295	1.304
% Ch , Annual Rate	2.2	2.3	2.0	2.1	2.4	2.6	2.7	2.8
Current Dollar National Income (Billions of Dollars)								
Gross Domestic Product	18,291.8	18,477.5	18,659.8	18,873.1	19,073.3	19,278.4	19,485.1	19,682.1
% Ch , Annual Rate	3.7	4.1	4.0	4.7	4.3	4.4	4.4	4.1
Personal Income	15,748.5	15,838.4	15,979.1	16,142.9	16,343.2	16,532.1	16,708.5	16,890.7
% Ch , Annual Rate	3.7	2.3	3.6	4.2	5.1	4.7	4.3	4.4
Employment (Millions)								
U.S. Civilian Labor Force	158.5	159.2	159.8	160.4	160.9	161.3	161.8	162.3
Total U.S. Employment	150.7	151.4	152.0	152.6	153.1	153.6	154.0	154.4
Unemployment Rate (%)	4.84	4.84	4.82	4.79	4.77	4.76	4.76	4.76
Nonfarm Payroll Employment	143.49	144.11	144.53	144.94	145.35	145.59	145.88	146.22
% Ch , Annual Rate	1.8	1.7	1.2	1.1	1.1	0.7	0.8	0.9
Manufacturing	12.37	12.35	12.34	12.39	12.45	12.47	12.47	12.49
% Ch , Annual Rate	1.6	-0.4	-0.4	1.7	1.8	0.7	-0.2	0.9
Durable Manufacturing	7.76	7.74	7.73	7.77	7.82	7.86	7.86	7.90
% Ch , Annual Rate	1.2	-0.8	-0.8	2.2	2.7	1.6	0.2	1.8
Nondurable Manufacturing	4.61	4.61	4.61	4.62	4.62	4.62	4.61	4.60
% Ch , Annual Rate	2.2	0.3	0.2	1.0	0.2	-0.8	-0.8	-0.7
Construction	6.64	6.71	6.82	6.89	6.97	7.05	7.13	7.21
% Ch , Annual Rate	5.9	4.5	6.3	4.5	4.6	4.9	4.6	4.2
Service-Providing	123.74	124.33	124.67	124.95	125.23	125.36	125.56	125.79
% Ch , Annual Rate	1.6	1.9	1.1	0.9	0.9	0.4	0.7	0.7
Miscellaneous Indicators								
Oil-WTI (\$ per barrel)	30.3	33.7	37.0	38.9	40.5	41.8	42.7	43.6
Personal Saving/Disposable Income (%)	5.7	5.5	5.5	5.5	5.7	5.9	6.1	6.2
Auto Sales (Millions)	7.5	7.5	7.6	7.6	7.7	7.7	7.8	7.8
% Ch , Annual Rate	1.5	-2.9	6.2	3.2	5.5	-1.3	4.0	1.5
Housing Starts (Millions)	1.159	1.198	1.223	1.301	1.366	1.418	1.441	1.479
% Ch , Annual Rate	9.3	14.2	8.8	28.1	21.3	16.2	6.6	11.1
Federal Budget Surplus (Billions)	-632.9	-621.8	-618.0	-646.8	-684.2	-704.4	-708.4	-720.7
Net Exports (Billions)	-494.1	-445.6	-431.2	-433.7	-450.5	-475.0	-501.8	-516.8
3-Month Treasury Bill Rate (%)	0.34	0.48	0.61	0.74	0.98	1.20	1.48	1.75
10-Year Treasury Note Yield (%)	2.09	2.21	2.32	2.38	2.47	2.52	2.59	2.66
Bond Index of 20 G.O. Munis. (%)	3.47	3.93	4.20	4.26	4.33	4.37	4.42	4.50
30-Year Fixed Mortgage Rate (%)	3.91	4.02	4.08	4.19	4.29	4.35	4.42	4.50

Table A1.2 (continued)
U.S. Economic Forecast Summary
Forecast 2016 to 2021

	2018:1	2018:2	2018:3	2018:4	2019:1	2019:2	2019:3	2019:4
Real National Income Accounts (Billions of Chained 2009 Dollars)								
Real Gross Domestic Product	17,354.3	17,458.2	17,558.9	17,642.3	17,745.1	17,839.9	17,938.3	18,030.8
% Ch , Annual Rate	2.9	2.4	2.3	1.9	2.4	2.2	2.2	2.1
Real Consumption	11,986.7	12,052.2	12,120.7	12,186.2	12,263.5	12,330.2	12,397.4	12,466.7
% Ch , Annual Rate	2.8	2.2	2.3	2.2	2.6	2.2	2.2	2.3
Real Nonresidential Fixed Investment	2,432.8	2,468.4	2,502.9	2,533.6	2,561.5	2,587.5	2,611.3	2,636.2
% Ch , Annual Rate	5.4	6.0	5.7	5.0	4.5	4.1	3.7	3.9
Real Residential Fixed Investment	666.1	672.1	677.2	677.3	675.1	676.6	683.7	689.9
% Ch , Annual Rate	5.9	3.7	3.1	0.0	-1.3	0.9	4.2	3.7
Real Personal Income	15,104.5	15,196.7	15,286.1	15,385.0	15,514.8	15,614.4	15,700.8	15,790.3
% Ch , Annual Rate	3.5	2.5	2.4	2.6	3.4	2.6	2.2	2.3
Real Per Capita Income (\$/Person)	45,942	46,130	46,309	46,516	46,816	47,023	47,190	47,366
% Ch , Annual Rate	2.7	1.6	1.6	1.8	2.6	1.8	1.4	1.5
Price and Wage Indexes								
U.S. Implicit Price Deflator, PCE (2009=1.0)	1.133	1.138	1.144	1.149	1.154	1.159	1.164	1.169
% Ch , Annual Rate	1.8	1.9	1.9	1.8	1.7	1.7	1.8	1.7
U.S. Consumer Price Index (1982-84=1.0)	2.473	2.487	2.502	2.516	2.529	2.542	2.557	2.570
% Ch , Annual Rate	2.3	2.3	2.4	2.2	2.2	2.1	2.2	2.1
Employment Cost Index (Dec. 2005=1.0)	1.313	1.322	1.332	1.341	1.351	1.360	1.370	1.380
% Ch , Annual Rate	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
Current Dollar National Income (Billions of Dollars)								
Gross Domestic Product	19,916.0	20,126.4	20,337.8	20,529.2	20,746.9	20,950.2	21,164.8	21,371.6
% Ch , Annual Rate	4.8	4.3	4.3	3.8	4.3	4.0	4.2	4.0
Personal Income	17,114.5	17,298.7	17,482.2	17,675.0	17,900.4	18,092.3	18,273.4	18,456.6
% Ch , Annual Rate	5.4	4.4	4.3	4.5	5.2	4.4	4.1	4.1
Employment (Millions)								
U.S. Civilian Labor Force	162.7	163.2	163.6	164.1	164.4	164.8	165.2	165.6
Total U.S. Employment	154.9	155.4	155.8	156.2	156.6	156.9	157.3	157.6
Unemployment Rate (%)	4.73	4.71	4.70	4.72	4.73	4.75	4.76	4.78
Nonfarm Payroll Employment	146.53	146.89	147.24	147.52	147.82	148.08	148.35	148.61
% Ch , Annual Rate	0.9	1.0	1.0	0.7	0.8	0.7	0.7	0.7
Manufacturing	12.51	12.54	12.56	12.60	12.63	12.63	12.65	12.67
% Ch , Annual Rate	0.5	1.1	0.6	1.0	1.1	0.1	0.6	0.4
Durable Manufacturing	7.92	7.95	7.97	8.00	8.03	8.03	8.04	8.06
% Ch , Annual Rate	1.2	1.8	1.0	1.4	1.4	0.0	0.7	0.5
Nondurable Manufacturing	4.59	4.59	4.59	4.60	4.60	4.60	4.61	4.61
% Ch , Annual Rate	-0.7	-0.1	0.1	0.4	0.4	0.3	0.4	0.3
Construction	7.28	7.35	7.43	7.50	7.55	7.61	7.67	7.73
% Ch , Annual Rate	4.1	4.1	4.4	3.6	3.1	2.9	3.4	3.0
Service-Providing	126.02	126.26	126.50	126.68	126.88	127.08	127.27	127.45
% Ch , Annual Rate	0.7	0.8	0.8	0.5	0.7	0.6	0.6	0.6
Miscellaneous Indicators								
Oil-WTI (\$ per barrel)	44.2	44.8	45.4	46.0	46.5	46.9	47.3	47.7
Personal Saving/Disposable Income (%)	6.6	6.6	6.7	6.8	7.1	7.1	7.1	7.0
Auto Sales (Millions)	7.8	7.8	7.8	7.7	7.7	7.7	7.6	7.6
% Ch , Annual Rate	0.4	0.5	-2.1	-3.5	-1.2	-0.9	-1.6	-0.1
Housing Starts (Millions)	1.504	1.520	1.536	1.541	1.551	1.561	1.586	1.604
% Ch , Annual Rate	6.8	4.3	4.5	1.1	2.8	2.4	6.5	4.7
Federal Budget Surplus (Billions)	-788.6	-805.7	-815.2	-839.1	-873.6	-882.9	-869.7	-858.6
Net Exports (Billions)	-537.8	-553.1	-565.5	-573.0	-574.4	-579.5	-580.2	-584.4
3-Month Treasury Bill Rate (%)	2.00	2.23	2.46	2.68	2.81	2.81	2.80	2.79
10-Year Treasury Note Yield (%)	2.75	2.92	3.21	3.51	3.60	3.59	3.57	3.55
Bond Index of 20 G.O. Munis. (%)	4.53	4.64	4.86	5.07	5.15	5.17	5.16	5.14
30-Year Fixed Mortgage Rate (%)	4.61	4.79	5.12	5.46	5.61	5.63	5.62	5.61

Table A1.2 (continued)
U.S. Economic Forecast Summary
Forecast 2016 to 2021

	2020:1	2020:2	2020:3	2020:4	2021:1	2021:2	2021:3	2021:4
Real National Income Accounts (Billions of Chained 2009 Dollars)								
Real Gross Domestic Product	18,135.0	18,237.2	18,330.0	18,426.0	18,529.1	18,630.1	18,734.9	18,843.0
% Ch , Annual Rate	2.3	2.3	2.0	2.1	2.3	2.2	2.3	2.3
Real Consumption	12,547.5	12,613.3	12,680.7	12,754.0	12,825.7	12,892.6	12,959.1	13,031.6
% Ch , Annual Rate	2.6	2.1	2.2	2.3	2.3	2.1	2.1	2.3
Real Nonresidential Fixed Investment	2,658.7	2,684.3	2,710.1	2,733.7	2,761.8	2,791.0	2,820.8	2,850.9
% Ch , Annual Rate	3.5	3.9	3.9	3.5	4.2	4.3	4.3	4.3
Real Residential Fixed Investment	692.9	697.2	702.6	704.2	703.5	704.9	709.4	711.9
% Ch , Annual Rate	1.8	2.5	3.1	1.0	-0.4	0.8	2.6	1.4
Real Personal Income	15,912.2	16,008.3	16,101.0	16,194.8	16,308.1	16,403.3	16,493.2	16,587.7
% Ch , Annual Rate	3.1	2.4	2.3	2.4	2.8	2.4	2.2	2.3
Real Per Capita Income (\$/Person)	47,638	47,832	48,015	48,201	48,445	48,634	48,806	48,992
% Ch , Annual Rate	2.3	1.6	1.5	1.6	2.0	1.6	1.4	1.5
Price and Wage Indexes								
U.S. Implicit Price Deflator, PCE (2009=1.0)	1.174	1.179	1.184	1.189	1.194	1.199	1.204	1.209
% Ch , Annual Rate	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
U.S. Consumer Price Index (1982-84=1.0)	2.584	2.597	2.610	2.624	2.637	2.651	2.665	2.679
% Ch , Annual Rate	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0
Employment Cost Index (Dec. 2005=1.0)	1.389	1.399	1.409	1.418	1.428	1.438	1.447	1.457
% Ch , Annual Rate	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7
Current Dollar National Income (Billions of Dollars)								
Gross Domestic Product	21,602.1	21,821.9	22,028.8	22,239.7	22,469.1	22,687.9	22,914.9	23,144.8
% Ch , Annual Rate	4.4	4.1	3.8	3.9	4.2	4.0	4.1	4.1
Personal Income	18,680.0	18,873.6	19,063.2	19,256.1	19,474.1	19,671.1	19,864.4	20,062.5
% Ch , Annual Rate	4.9	4.2	4.1	4.1	4.6	4.1	4.0	4.0
Employment (Millions)								
U.S. Civilian Labor Force	166.0	166.4	166.7	166.9	167.2	167.4	167.6	167.8
Total U.S. Employment	157.9	158.3	158.6	158.7	159.0	159.1	159.3	159.6
Unemployment Rate (%)	4.79	4.80	4.82	4.84	4.85	4.86	4.87	4.87
Nonfarm Payroll Employment	148.91	149.39	149.47	149.61	149.86	150.13	150.40	150.69
% Ch, Annual Rate	0.8	1.3	0.2	0.4	0.7	0.7	0.7	0.8
Manufacturing	12.67	12.66	12.67	12.69	12.70	12.72	12.73	12.73
% Ch, Annual Rate	0.1	-0.3	0.4	0.5	0.5	0.4	0.3	0.0
Durable Manufacturing	8.06	8.06	8.07	8.09	8.10	8.12	8.13	8.14
% Ch, Annual Rate	0.3	-0.2	0.6	0.8	0.9	0.8	0.8	0.3
Nondurable Manufacturing	4.61	4.60	4.60	4.60	4.60	4.60	4.59	4.58
% Ch, Annual Rate	-0.3	-0.4	0.1	-0.1	-0.2	-0.3	-0.5	-0.6
Construction	7.78	7.83	7.88	7.92	7.96	8.00	8.05	8.10
% Ch, Annual Rate	2.5	2.5	2.7	2.2	1.9	2.2	2.5	2.3
Service-Providing	127.69	128.14	128.15	128.23	128.42	128.62	128.83	129.07
% Ch, Annual Rate	0.8	1.4	0.0	0.2	0.6	0.6	0.6	0.8
Miscellaneous Indicators								
Oil-WTI (\$ per barrel)	48.1	48.4	48.7	49.0	49.3	49.5	49.7	50.0
Personal Saving/Disposable Income (%)	7.1	7.1	7.0	6.9	7.0	7.0	6.9	6.9
Auto Sales (Millions)	7.6	7.6	7.6	7.6	7.7	7.7	7.7	7.8
% Ch, Annual Rate	-0.9	-0.7	-0.1	1.1	2.6	0.3	2.5	2.3
Housing Starts (Millions)	1.625	1.629	1.630	1.629	1.627	1.625	1.632	1.634
% Ch, Annual Rate	5.3	1.1	0.3	-0.4	-0.3	-0.6	1.7	0.5
Federal Budget Surplus (Billions)	-871.0	-873.9	-845.7	-833.3	-842.9	-841.1	-831.5	-827.8
Net Exports (Billions)	-589.3	-599.4	-600.4	-599.0	-594.6	-593.8	-591.3	-594.5
3-Month Treasury Bill Rate (%)	2.79	2.78	2.78	2.78	2.78	2.78	2.78	2.78
10-Year Treasury Note Yield (%)	3.54	3.53	3.53	3.52	3.52	3.52	3.52	3.51
Bond Index of 20 G.O. Munis. (%)	5.14	5.13	5.13	5.13	5.14	5.14	5.14	5.13
30-Year Fixed Mortgage Rate (%)	5.60	5.60	5.60	5.59	5.58	5.57	5.56	5.56

Table A1.3
Washington Economic Forecast Summary
Forecast 2016 to 2021

	2014	2015	2016	2017	2018	2019	2020	2021
Real Income (Billions of Chained 2009 Dollars)								
Real Personal Income	321.086	337.738	349.244	359.427	370.774	382.326	393.783	405.353
% Ch	4.3	5.2	3.4	2.9	3.2	3.1	3.0	2.9
Real Wage and Salary Disb.	166.791	176.017	183.159	188.134	193.106	198.180	203.582	209.250
% Ch	5.2	5.5	4.1	2.7	2.6	2.6	2.7	2.8
Real Nonwage Income	154.295	161.721	166.084	171.293	177.668	184.146	190.201	196.104
% Ch	3.5	4.8	2.7	3.1	3.7	3.6	3.3	3.1
Real Per Capita Income (\$/Person)	45,463	47,230	48,186	48,971	49,912	50,855	51,761	52,658
% Ch	3.1	3.9	2.0	1.6	1.9	1.9	1.8	1.7
Price and Wage Indexes								
U.S. Implicit Price Deflator, PCE (2009=1.0)	1.091	1.094	1.102	1.120	1.141	1.161	1.181	1.202
% Ch	1.4	0.3	0.7	1.6	1.8	1.8	1.7	1.7
Seattle Cons. Price Index (1982-84=1.0)	2.460	2.494	2.534	2.588	2.648	2.707	2.766	2.826
% Ch	1.8	1.4	1.6	2.1	2.3	2.2	2.2	2.1
Average Nonfarm Annual Wage	56,965	58,787	60,441	62,360	64,427	66,543	68,747	71,147
% Ch	4.2	3.2	2.8	3.2	3.3	3.3	3.3	3.5
Avg. Hourly Earnings-Mfg. (\$/Hour)	25.16	25.50	25.98	26.50	27.16	27.84	28.53	29.21
% Ch	3.4	1.3	1.9	2.0	2.5	2.5	2.5	2.4
Current Dollar Income (Billions of Dollars)								
Personal Income	350.322	369.572	384.951	402.665	423.057	444.004	465.263	487.170
% Ch	5.8	5.5	4.2	4.6	5.1	5.0	4.8	4.7
Disposable Personal Income	307.877	322.727	336.168	352.579	371.734	390.352	407.909	425.944
% Ch	5.6	4.8	4.2	4.9	5.4	5.0	4.5	4.4
Per Capita Income (\$/Person)	49,602	51,682	53,112	54,862	56,949	59,058	61,155	63,285
% Ch	4.5	4.2	2.8	3.3	3.8	3.7	3.6	3.5
Employment (Thousands)								
Washington Civilian Labor Force	3,486.7	3,538.8	3,585.4	3,647.3	3,705.1	3,760.4	3,814.1	3,861.0
Total Washington Employment	3,268.5	3,342.9	3,393.8	3,456.7	3,516.1	3,569.5	3,620.6	3,665.2
Unemployment Rate (%)	6.26	5.54	5.35	5.23	5.10	5.08	5.07	5.07
Nonfarm Payroll Employment	3,073.7	3,158.4	3,222.1	3,261.5	3,301.5	3,339.9	3,379.7	3,415.4
% Ch	2.7	2.8	2.0	1.2	1.2	1.2	1.2	1.1
Manufacturing	288.2	289.1	287.3	287.7	288.9	290.5	292.1	295.0
% Ch	0.5	0.3	-0.6	0.1	0.4	0.5	0.6	1.0
Durable Manufacturing	209.5	209.8	206.5	206.2	207.5	208.3	209.4	211.6
% Ch	0.0	0.1	-1.6	-0.1	0.6	0.4	0.5	1.1
Aerospace	93.9	92.9	90.7	88.4	86.5	84.8	84.1	84.1
% Ch	-2.2	-1.1	-2.4	-2.5	-2.2	-2.0	-0.8	0.0
Nondurable Manufacturing	78.7	79.3	80.8	81.5	81.5	82.1	82.8	83.4
% Ch	2.1	0.8	2.0	0.8	0.0	0.8	0.7	0.7
Construction	159.3	172.5	177.0	181.6	189.4	195.2	200.4	203.5
% Ch	6.9	8.3	2.6	2.6	4.3	3.1	2.6	1.6
Service-Providing	2,620.0	2,690.6	2,751.9	2,786.3	2,817.1	2,848.0	2,881.0	2,910.7
% Ch	2.7	2.7	2.3	1.2	1.1	1.1	1.2	1.0
Software Publishers	55.6	55.5	56.7	57.2	57.7	58.4	59.0	59.7
% Ch	3.2	-0.1	2.3	0.9	0.9	1.2	1.1	1.2
Housing Indicators (Thousands)								
Housing Units Authorized by Bldg. Permit	33.898	39.963	38.344	41.934	43.555	43.748	44.420	44.406
% Ch	2.8	17.9	-4.1	9.4	3.9	0.4	1.5	0.0
Single-Family	17.905	19.596	21.581	25.477	27.311	27.278	27.904	27.977
% Ch	-2.7	9.4	10.1	18.1	7.2	-0.1	2.3	0.3
Multi-Family	15.993	20.367	16.763	16.457	16.243	16.470	16.515	16.429
% Ch	9.8	27.3	-17.7	-1.8	-1.3	1.4	0.3	-0.5
30-Year Fixed Mortgage Rate (%)	4.17	3.85	4.05	4.39	4.99	5.62	5.60	5.57

Table A1.4
Washington Economic Forecast Summary
Forecast 2016 to 2021

	2016:1	2016:2	2016:3	2016:4	2017:1	2017:2	2017:3	2017:4
Real Income (Billions of Chained 2009 Dollars)								
Real Personal Income	347.391	348.367	350.152	351.065	356.395	358.734	360.343	362.236
% Ch, Annual Rate	7.2	1.1	2.1	1.0	6.2	2.7	1.8	2.1
Real Wage and Salary Disb.	182.193	182.765	183.846	183.833	187.300	188.085	188.354	188.797
% Ch, Annual Rate	10.5	1.3	2.4	0.0	7.8	1.7	0.6	0.9
Real Nonwage Income	165.198	165.602	166.305	167.232	169.094	170.649	171.989	173.439
% Ch, Annual Rate	3.6	1.0	1.7	2.2	4.5	3.7	3.2	3.4
Real Per Capita Income (\$/Person)	48,166	48,142	48,232	48,204	48,782	48,951	49,021	49,131
% Ch, Annual Rate	5.6	-0.2	0.7	-0.2	4.9	1.4	0.6	0.9
Price and Wage Indexes								
U.S. Implicit Price Deflator, PCE (2009=1.0)	1.098	1.100	1.103	1.108	1.113	1.118	1.123	1.128
% Ch, Annual Rate	0.0	0.7	1.2	2.0	1.6	1.7	1.8	1.9
Seattle Cons. Price Index (1982-84=1.0)	2.518	2.525	2.538	2.554	2.567	2.581	2.595	2.610
% Ch, Annual Rate	0.6	1.2	2.0	2.6	2.0	2.1	2.3	2.4
Average Nonfarm Annual Wage	60,189	60,243	60,616	60,718	61,897	62,300	62,508	62,735
% Ch, Annual Rate	7.7	0.4	2.5	0.7	8.0	2.6	1.3	1.5
Avg. Hourly Earnings-Mfg. (\$/Hour)	25.81	25.93	26.04	26.15	26.28	26.42	26.57	26.74
% Ch, Annual Rate	1.1	1.9	1.6	1.7	2.0	2.2	2.3	2.5
Current Dollar Income (Billions of Dollars)								
Personal Income	381.369	383.071	386.222	389.144	396.605	400.942	404.548	408.568
% Ch, Annual Rate	7.2	1.8	3.3	3.1	7.9	4.4	3.6	4.0
Disposable Personal Income	332.807	334.345	337.357	340.164	346.776	350.906	354.433	358.202
% Ch, Annual Rate	7.2	1.9	3.7	3.4	8.0	4.8	4.1	4.3
Per Capita Income (\$/Person)	52,877	52,938	53,200	53,432	54,286	54,711	55,035	55,415
% Ch, Annual Rate	5.7	0.5	2.0	1.8	6.5	3.2	2.4	2.8
Employment (Thousands)								
Washington Civilian Labor Force	3,559.8	3,577.2	3,594.1	3,610.4	3,625.6	3,640.1	3,654.3	3,669.1
Total Washington Employment	3,368.7	3,385.2	3,402.1	3,419.0	3,434.9	3,449.5	3,463.6	3,478.6
Unemployment Rate (%)	5.37	5.37	5.34	5.30	5.26	5.24	5.22	5.19
Nonfarm Payroll Employment	3,205.2	3,217.9	3,227.4	3,237.9	3,249.1	3,256.1	3,264.7	3,276.1
% Ch, Annual Rate	2.7	1.6	1.2	1.3	1.4	0.9	1.1	1.4
Manufacturing	288.2	287.5	286.5	287.1	287.6	287.7	287.7	288.0
% Ch, Annual Rate	0.6	-0.9	-1.4	0.8	0.7	0.2	-0.1	0.4
Durable Manufacturing	207.7	206.9	205.7	205.7	206.0	206.2	206.2	206.6
% Ch, Annual Rate	-1.7	-1.5	-2.3	0.1	0.6	0.3	0.1	0.7
Aerospace	91.6	91.0	90.4	89.8	89.3	88.7	88.2	87.6
% Ch, Annual Rate	-0.8	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5
Nondurable Manufacturing	80.5	80.7	80.9	81.4	81.6	81.5	81.5	81.4
% Ch, Annual Rate	6.8	0.9	1.0	2.5	1.1	-0.2	-0.4	-0.4
Construction	177.0	176.5	176.8	177.6	178.7	180.2	182.3	185.2
% Ch, Annual Rate	8.4	-1.2	0.8	1.8	2.4	3.5	4.7	6.4
Service-Providing	2,734.1	2,748.0	2,758.2	2,767.4	2,777.0	2,782.3	2,788.8	2,797.1
% Ch, Annual Rate	2.6	2.1	1.5	1.3	1.4	0.8	0.9	1.2
Software Publishers	56.4	56.7	56.9	57.0	57.2	57.1	57.3	57.4
% Ch, Annual Rate	1.7	2.0	1.2	0.5	1.4	-0.2	0.9	0.9
Housing Indicators (Thousands)								
Housing Units Authorized by Bldg. Permit	37,401	38,021	38,318	39,634	40,903	41,826	42,205	42,804
% Ch, Annual Rate	8.7	6.8	3.2	14.5	13.4	9.3	3.7	5.8
Single-Family	20,399	21,077	21,705	23,143	24,262	25,196	25,903	26,547
% Ch, Annual Rate	-18.3	14.0	12.5	29.2	20.8	16.3	11.7	10.3
Multi-Family	17,002	16,944	16,613	16,491	16,641	16,630	16,301	16,257
% Ch, Annual Rate	57.7	-1.4	-7.6	-2.9	3.7	-0.3	-7.7	-1.1
30-Year Fixed Mortgage Rate (%)	3.91	4.02	4.08	4.19	4.29	4.35	4.42	4.50

Table A1.4 (continued)
Washington Economic Forecast Summary
Forecast 2016 to 2021

	2018:1	2018:2	2018:3	2018:4	2019:1	2019:2	2019:3	2019:4
Real Income (Billions of Chained 2009 Dollars)								
Real Personal Income	367.812	370.041	371.479	373.765	379.181	381.813	382.973	385.336
% Ch, Annual Rate	6.3	2.4	1.6	2.5	5.9	2.8	1.2	2.5
Real Wage and Salary Disb.	192.231	193.108	193.205	193.878	197.169	198.221	198.133	199.198
% Ch, Annual Rate	7.5	1.8	0.2	1.4	7.0	2.2	-0.2	2.2
Real Nonwage Income	175.581	176.933	178.274	179.887	182.012	183.592	184.840	186.138
% Ch, Annual Rate	5.0	3.1	3.1	3.7	4.8	3.5	2.7	2.8
Real Per Capita Income (\$/Person)	49,737	49,888	49,932	50,089	50,663	50,863	50,866	51,028
% Ch, Annual Rate	5.0	1.2	0.4	1.3	4.7	1.6	0.0	1.3
Price and Wage Indexes								
U.S. Implicit Price Deflator, PCE (2009=1.0)	1.133	1.138	1.144	1.149	1.154	1.159	1.164	1.169
% Ch, Annual Rate	1.8	1.9	1.9	1.8	1.7	1.7	1.8	1.7
Seattle Cons. Price Index (1982-84=1.0)	2.625	2.640	2.656	2.671	2.685	2.700	2.715	2.730
% Ch, Annual Rate	2.3	2.3	2.3	2.3	2.2	2.2	2.3	2.2
Average Nonfarm Annual Wage	63,952	64,370	64,516	64,868	66,050	66,501	66,575	67,047
% Ch, Annual Rate	8.0	2.6	0.9	2.2	7.5	2.8	0.4	2.9
Avg. Hourly Earnings-Mfg. (\$/Hour)	26.91	27.08	27.24	27.41	27.58	27.76	27.93	28.11
% Ch, Annual Rate	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Current Dollar Income (Billions of Dollars)								
Personal Income	416.756	421.224	424.848	429.399	437.486	442.404	445.724	450.403
% Ch, Annual Rate	8.3	4.4	3.5	4.4	7.7	4.6	3.0	4.3
Disposable Personal Income	366.058	370.062	373.357	377.460	384.816	389.080	391.805	395.705
% Ch, Annual Rate	9.1	4.4	3.6	4.5	8.0	4.5	2.8	4.0
Per Capita Income (\$/Person)	56,355	56,789	57,106	57,545	58,453	58,935	59,200	59,644
% Ch, Annual Rate	7.0	3.1	2.3	3.1	6.5	3.3	1.8	3.0
Employment (Thousands)								
Washington Civilian Labor Force	3,684.0	3,698.0	3,712.1	3,726.3	3,739.7	3,753.5	3,767.4	3,780.9
Total Washington Employment	3,494.9	3,509.3	3,523.6	3,536.9	3,549.8	3,563.0	3,576.3	3,588.9
Unemployment Rate (%)	5.13	5.10	5.08	5.08	5.08	5.08	5.07	5.08
Nonfarm Payroll Employment	3,287.6	3,296.7	3,306.3	3,315.3	3,325.6	3,335.2	3,344.6	3,354.0
% Ch, Annual Rate	1.4	1.1	1.2	1.1	1.2	1.2	1.1	1.1
Manufacturing	288.2	288.8	289.1	289.6	290.1	290.2	290.6	290.9
% Ch, Annual Rate	0.4	0.8	0.4	0.7	0.7	0.2	0.5	0.4
Durable Manufacturing	206.9	207.4	207.6	208.0	208.3	208.2	208.3	208.4
% Ch, Annual Rate	0.6	1.0	0.4	0.7	0.5	-0.1	0.3	0.2
Aerospace	87.2	86.7	86.3	85.8	85.4	85.0	84.6	84.1
% Ch, Annual Rate	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0
Nondurable Manufacturing	81.3	81.4	81.5	81.7	81.8	82.0	82.3	82.5
% Ch, Annual Rate	-0.2	0.3	0.4	0.8	0.9	0.9	1.1	1.0
Construction	187.8	188.5	189.9	191.3	192.9	194.4	196.0	197.6
% Ch, Annual Rate	5.7	1.6	2.9	3.1	3.3	3.3	3.3	3.2
Service-Providing	2,805.6	2,813.4	2,821.3	2,828.2	2,836.5	2,844.4	2,851.8	2,859.3
% Ch, Annual Rate	1.2	1.1	1.1	1.0	1.2	1.1	1.0	1.1
Software Publishers	57.5	57.6	57.8	58.0	58.2	58.3	58.5	58.6
% Ch, Annual Rate	0.8	1.0	1.2	1.3	1.2	1.1	1.1	1.1
Housing Indicators (Thousands)								
Housing Units Authorized by Bldg. Permit	43.361	43.601	43.713	43.544	43.630	43.636	43.827	43.900
% Ch, Annual Rate	5.3	2.2	1.0	-1.5	0.8	0.1	1.8	0.7
Single-Family	27.091	27.313	27.471	27.371	27.136	27.166	27.362	27.450
% Ch, Annual Rate	8.5	3.3	2.3	-1.4	-3.4	0.5	2.9	1.3
Multi-Family	16.270	16.288	16.243	16.172	16.494	16.470	16.465	16.450
% Ch, Annual Rate	0.3	0.4	-1.1	-1.7	8.2	-0.6	-0.1	-0.4
30-Year Fixed Mortgage Rate (%)	4.61	4.79	5.12	5.46	5.61	5.63	5.62	5.61

Table A1.4 (continued)
Washington Economic Forecast Summary
Forecast 2016 to 2021

	2020:1	2020:2	2020:3	2020:4	2021:1	2021:2	2021:3	2021:4
Real Income (Billions of Chained 2009 Dollars)								
Real Personal Income	390.505	393.166	394.448	397.014	402.135	404.704	405.974	408.601
% Ch, Annual Rate	5.5	2.8	1.3	2.6	5.3	2.6	1.3	2.6
Real Wage and Salary Disb.	202.456	203.651	203.533	204.686	208.090	209.240	209.207	210.462
% Ch, Annual Rate	6.7	2.4	-0.2	2.3	6.8	2.2	-0.1	2.4
Real Nonwage Income	188.049	189.515	190.915	192.328	194.045	195.464	196.767	198.139
% Ch, Annual Rate	4.2	3.2	3.0	3.0	3.6	3.0	2.7	2.8
Real Per Capita Income (\$/Person)	51,559	51,757	51,772	51,955	52,471	52,651	52,661	52,847
% Ch, Annual Rate	4.2	1.5	0.1	1.4	4.0	1.4	0.1	1.4
Price and Wage Indexes								
U.S. Implicit Price Deflator, PCE (2009=1.0)	1.174	1.179	1.184	1.189	1.194	1.199	1.204	1.209
% Ch, Annual Rate	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Seattle Cons. Price Index (1982-84=1.0)	2.744	2.759	2.774	2.788	2.803	2.818	2.833	2.848
% Ch, Annual Rate	2.2	2.2	2.1	2.1	2.2	2.1	2.2	2.1
Average Nonfarm Annual Wage	68,243	68,636	68,779	69,328	70,593	71,096	71,186	71,713
% Ch, Annual Rate	7.3	2.3	0.8	3.2	7.5	2.9	0.5	3.0
Avg. Hourly Earnings-Mfg. (\$/Hour)	28.28	28.45	28.62	28.79	28.96	29.13	29.29	29.46
% Ch, Annual Rate	2.4	2.5	2.4	2.4	2.4	2.3	2.3	2.3
Current Dollar Income (Billions of Dollars)								
Personal Income	458.431	463.539	467.018	472.063	480.206	485.327	488.954	494.194
% Ch, Annual Rate	7.3	4.5	3.0	4.4	7.1	4.3	3.0	4.4
Disposable Personal Income	402.495	406.616	409.215	413.309	420.363	424.416	427.333	431.664
% Ch, Annual Rate	7.0	4.2	2.6	4.1	7.0	3.9	2.8	4.1
Per Capita Income (\$/Person)	60,528	61,021	61,297	61,776	62,657	63,140	63,425	63,918
% Ch, Annual Rate	6.1	3.3	1.8	3.2	5.8	3.1	1.8	3.1
Employment (Thousands)								
Washington Civilian Labor Force	3,794.5	3,808.4	3,820.9	3,832.6	3,844.1	3,855.2	3,866.5	3,878.1
Total Washington Employment	3,601.9	3,615.5	3,627.1	3,638.1	3,649.0	3,659.5	3,670.5	3,682.0
Unemployment Rate (%)	5.08	5.07	5.07	5.08	5.08	5.08	5.07	5.06
Nonfarm Payroll Employment	3,363.8	3,379.3	3,384.2	3,391.6	3,400.9	3,410.4	3,420.0	3,430.4
% Ch, Annual Rate	1.2	1.9	0.6	0.9	1.1	1.1	1.1	1.2
Manufacturing	291.4	291.7	292.4	293.1	293.9	294.6	295.3	296.0
% Ch, Annual Rate	0.7	0.4	1.0	1.0	1.1	1.0	1.0	0.9
Durable Manufacturing	208.8	209.1	209.5	210.1	210.7	211.3	211.9	212.5
% Ch, Annual Rate	0.8	0.4	1.0	1.0	1.2	1.1	1.2	1.0
Aerospace	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
% Ch, Annual Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nondurable Manufacturing	82.6	82.6	82.8	83.0	83.2	83.3	83.4	83.5
% Ch, Annual Rate	0.5	0.3	1.0	0.8	0.8	0.7	0.5	0.4
Construction	198.8	200.0	200.9	201.8	202.5	203.1	203.8	204.6
% Ch, Annual Rate	2.5	2.3	2.0	1.7	1.4	1.3	1.4	1.5
Service-Providing	2,867.4	2,881.4	2,884.7	2,890.5	2,898.3	2,906.4	2,914.6	2,923.7
% Ch, Annual Rate	1.1	2.0	0.5	0.8	1.1	1.1	1.1	1.2
Software Publishers	58.8	58.9	59.1	59.3	59.4	59.6	59.8	60.0
% Ch, Annual Rate	1.0	0.9	1.2	1.2	1.2	1.2	1.2	1.2
Housing Indicators (Thousands)								
Housing Units Authorized by Bldg. Permit	44.315	44.453	44.471	44.440	44.392	44.333	44.438	44.460
% Ch, Annual Rate	3.8	1.3	0.2	-0.3	-0.4	-0.5	0.9	0.2
Single-Family	27.801	27.941	27.950	27.925	27.899	27.892	28.021	28.095
% Ch, Annual Rate	5.2	2.0	0.1	-0.4	-0.4	-0.1	1.9	1.1
Multi-Family	16.514	16.512	16.521	16.515	16.493	16.441	16.417	16.365
% Ch, Annual Rate	1.6	0.0	0.2	-0.1	-0.5	-1.3	-0.6	-1.3
30-Year Fixed Mortgage Rate (%)	5.60	5.60	5.60	5.59	5.58	5.57	5.56	5.56

Table A2.1

U.S. Nonagricultural Employment by Industry (Millions)

Forecast 2016 to 2021

	2014	2015	2016	2017	2018	2019	2020	2021
Nonfarm Payroll Employment	138.94	141.83	144.27	145.76	147.05	148.22	149.35	150.27
% Ch	1.9	2.1	1.7	1.0	0.9	0.8	0.8	0.6
Manufacturing	12.18	12.32	12.36	12.47	12.55	12.65	12.67	12.72
% Ch	1.4	1.1	0.4	0.9	0.7	0.7	0.2	0.4
Durable Manufacturing	7.67	7.76	7.75	7.86	7.96	8.04	8.07	8.12
% Ch	1.7	1.1	-0.1	1.4	1.3	1.0	0.3	0.7
Wood Products	0.37	0.38	0.39	0.42	0.45	0.46	0.47	0.49
% Ch	5.2	2.1	2.2	7.2	7.1	3.1	2.9	2.7
Primary and Fabricated Metals	1.85	1.85	1.83	1.84	1.86	1.89	1.91	1.94
% Ch	1.4	0.0	-1.0	0.2	1.0	1.8	0.9	1.4
Computer and Electronic Products	1.05	1.05	1.05	1.09	1.11	1.12	1.12	1.13
% Ch	-1.5	0.1	-0.3	3.7	2.6	0.6	0.1	0.4
Machinery and Electrical Equipment	1.50	1.51	1.48	1.48	1.50	1.52	1.53	1.55
% Ch	1.8	0.1	-1.7	-0.1	1.2	1.6	0.7	1.3
Transportation Equipment	1.56	1.60	1.61	1.63	1.63	1.63	1.62	1.61
% Ch	3.3	2.6	0.5	1.6	-0.1	-0.1	-0.3	-0.6
Other Durables	1.34	1.37	1.39	1.41	1.42	1.42	1.41	1.41
% Ch	1.7	2.5	1.9	0.9	0.8	0.1	-0.7	0.2
Nondurable Manufacturing	4.51	4.56	4.61	4.61	4.59	4.61	4.60	4.59
% Ch	0.9	1.1	1.1	0.0	-0.4	0.3	0.0	-0.2
Food Manufacturing	1.48	1.51	1.54	1.57	1.58	1.59	1.61	1.63
% Ch	0.7	1.4	2.1	1.8	0.7	1.1	1.1	1.0
Paper and Paper Products	0.37	0.37	0.37	0.37	0.36	0.36	0.36	0.36
% Ch	-1.2	-0.2	-0.2	-1.4	-1.7	-0.4	-0.2	0.0
Other Nondurables	2.65	2.68	2.70	2.68	2.66	2.65	2.64	2.61
% Ch	1.2	1.2	0.7	-0.9	-0.9	-0.1	-0.7	-1.0
Natural Resources and Mining	0.89	0.82	0.72	0.71	0.74	0.76	0.78	0.79
% Ch	3.2	-7.9	-12.5	-0.9	3.7	2.9	2.2	2.0
Construction	6.15	6.44	6.76	7.09	7.39	7.64	7.85	8.03
% Ch	5.0	4.8	5.0	4.8	4.2	3.4	2.7	2.3
Trade, Transportation, and Utilities	26.38	26.91	27.31	27.49	27.49	27.50	27.48	27.43
% Ch	2.0	2.0	1.5	0.7	0.0	0.0	-0.1	-0.2
Wholesale Trade	5.81	5.87	5.94	6.01	6.06	6.12	6.17	6.22
% Ch	1.4	1.1	1.1	1.1	0.9	1.0	0.8	0.8
Retail Trade	15.35	15.64	15.90	15.90	15.76	15.68	15.59	15.49
% Ch	1.9	1.9	1.6	0.0	-0.9	-0.5	-0.5	-0.7
Trans., Warehousing, and Utilities	5.21	5.40	5.48	5.59	5.67	5.71	5.72	5.73
% Ch	3.2	3.7	1.4	2.1	1.5	0.6	0.2	0.2
Information	2.73	2.75	2.79	2.79	2.80	2.86	2.88	2.94
% Ch	0.8	0.9	1.3	0.0	0.5	2.0	0.9	1.9
Publishing Industries	0.73	0.73	0.72	0.71	0.69	0.68	0.66	0.66
% Ch	-0.8	-0.2	-0.2	-2.5	-2.5	-1.5	-1.9	-1.4
Other Information	2.00	2.03	2.06	2.08	2.11	2.18	2.22	2.28
% Ch	1.3	1.3	1.9	0.9	1.5	3.2	1.7	2.8
Financial Activities	7.98	8.12	8.22	8.08	7.92	7.83	7.84	7.85
% Ch	1.1	1.9	1.2	-1.8	-2.0	-1.0	0.1	0.2
Professional and Business Services	19.06	19.66	20.23	20.90	21.46	21.81	22.20	22.70
% Ch	2.9	3.1	2.9	3.3	2.7	1.6	1.8	2.3
Education and Health Services	21.44	22.05	22.61	22.80	22.92	23.11	23.27	23.42
% Ch	1.7	2.9	2.5	0.8	0.5	0.9	0.7	0.6
Leisure and Hospitality	14.69	15.12	15.57	15.72	15.88	15.97	16.00	16.05
% Ch	3.1	2.9	2.9	1.0	1.0	0.5	0.2	0.3
Other Services	5.57	5.62	5.63	5.53	5.48	5.44	5.42	5.39
% Ch	1.5	1.0	0.1	-1.8	-0.9	-0.7	-0.5	-0.5
Federal Government	2.73	2.75	2.75	2.72	2.68	2.65	2.77	2.61
% Ch	-1.3	0.7	0.0	-1.1	-1.5	-1.3	4.8	-6.0
State and Local Government	19.14	19.25	19.31	19.45	19.73	20.00	20.18	20.34
% Ch	0.3	0.6	0.3	0.8	1.4	1.3	0.9	0.8

Table A2.2

U.S. Nonagricultural Employment by Industry (Millions)

Forecast 2016 to 2021

	2016:1	2016:2	2016:3	2016:4	2017:1	2017:2	2017:3	2017:4
Nonfarm Payroll Employment	143.49	144.11	144.53	144.94	145.35	145.59	145.88	146.22
% Ch, Annual Rate	1.8	1.7	1.2	1.1	1.1	0.7	0.8	0.9
Manufacturing	12.37	12.35	12.34	12.39	12.45	12.47	12.47	12.49
% Ch, Annual Rate	1.6	-0.4	-0.4	1.7	1.8	0.7	-0.2	0.9
Durable Manufacturing	7.76	7.74	7.73	7.77	7.82	7.86	7.86	7.90
% Ch, Annual Rate	1.2	-0.8	-0.8	2.2	2.7	1.6	0.2	1.8
Wood Products	0.38	0.39	0.39	0.39	0.40	0.41	0.42	0.43
% Ch, Annual Rate	1.3	2.0	0.5	5.7	9.0	11.9	7.8	7.3
Primary and Fabricated Metals	1.84	1.84	1.83	1.84	1.84	1.84	1.84	1.84
% Ch, Annual Rate	1.4	-0.3	-1.1	1.6	0.2	0.5	-1.0	0.9
Computer and Electronic Products	1.04	1.04	1.05	1.06	1.07	1.08	1.09	1.10
% Ch, Annual Rate	0.1	-1.4	2.4	4.2	4.7	4.6	4.0	3.1
Machinery and Electrical Equipment	1.48	1.49	1.48	1.47	1.48	1.48	1.48	1.48
% Ch, Annual Rate	-1.2	0.5	-2.7	-0.6	1.0	0.3	-0.3	1.1
Transportation Equipment	1.61	1.60	1.60	1.61	1.64	1.63	1.63	1.63
% Ch, Annual Rate	1.8	-3.2	-1.2	4.6	5.4	-0.6	-2.0	2.0
Other Durables	1.40	1.39	1.39	1.40	1.40	1.41	1.41	1.41
% Ch, Annual Rate	3.7	-0.5	-0.7	0.9	1.6	2.1	-0.1	1.0
Nondurable Manufacturing	4.61	4.61	4.61	4.62	4.62	4.62	4.61	4.60
% Ch, Annual Rate	2.2	0.3	0.2	1.0	0.2	-0.8	-0.8	-0.7
Food Manufacturing	1.53	1.53	1.54	1.55	1.56	1.56	1.57	1.57
% Ch, Annual Rate	4.4	1.5	2.1	3.9	1.9	0.9	0.7	0.4
Paper and Paper Products	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.36
% Ch, Annual Rate	0.3	-1.7	-0.6	-0.9	-0.9	-2.5	-2.3	-2.0
Other Nondurables	2.71	2.71	2.70	2.70	2.69	2.68	2.67	2.67
% Ch, Annual Rate	1.3	-0.1	-0.7	-0.4	-0.6	-1.5	-1.6	-1.1
Natural Resources and Mining	0.75	0.71	0.71	0.70	0.70	0.71	0.71	0.72
% Ch, Annual Rate	-12.6	-16.9	-5.0	-1.4	-0.4	2.7	4.2	3.8
Construction	6.64	6.71	6.82	6.89	6.97	7.05	7.13	7.21
% Ch, Annual Rate	5.9	4.5	6.3	4.5	4.6	4.9	4.6	4.2
Trade, Transportation, and Utilities	27.18	27.28	27.36	27.43	27.48	27.48	27.51	27.51
% Ch, Annual Rate	1.7	1.4	1.2	1.1	0.7	0.1	0.4	-0.1
Wholesale Trade	5.91	5.93	5.95	5.97	5.99	6.00	6.02	6.03
% Ch, Annual Rate	1.2	0.9	1.9	1.1	1.3	0.6	1.1	0.8
Retail Trade	15.84	15.89	15.91	15.94	15.93	15.91	15.89	15.85
% Ch, Annual Rate	2.6	1.4	0.4	0.6	-0.1	-0.7	-0.4	-1.0
Trans., Warehousing, and Utilities	5.43	5.46	5.49	5.52	5.55	5.58	5.61	5.63
% Ch, Annual Rate	-0.2	1.7	2.5	2.2	2.3	1.7	2.1	1.7
Information	2.76	2.77	2.81	2.81	2.86	2.80	2.73	2.75
% Ch, Annual Rate	0.2	1.2	5.0	0.5	7.2	-7.3	-9.6	2.5
Publishing Industries	0.73	0.73	0.72	0.72	0.72	0.71	0.70	0.70
% Ch, Annual Rate	0.3	1.3	-1.4	-3.7	-0.7	-5.9	-2.3	-2.4
Other Information	2.04	2.04	2.08	2.09	2.14	2.10	2.03	2.05
% Ch, Annual Rate	0.2	1.2	7.3	2.1	10.1	-7.8	-11.9	4.3
Financial Activities	8.22	8.26	8.23	8.20	8.14	8.09	8.06	8.02
% Ch, Annual Rate	1.9	2.0	-1.3	-1.6	-2.6	-2.4	-1.8	-2.0
Professional and Business Services	20.02	20.15	20.27	20.48	20.69	20.82	20.97	21.12
% Ch, Annual Rate	2.0	2.5	2.6	4.2	4.1	2.6	2.9	2.8
Education and Health Services	22.44	22.60	22.69	22.72	22.75	22.80	22.81	22.85
% Ch, Annual Rate	2.1	2.9	1.7	0.5	0.5	0.8	0.3	0.5
Leisure and Hospitality	15.43	15.58	15.62	15.63	15.64	15.68	15.76	15.79
% Ch, Annual Rate	3.3	4.0	1.1	0.3	0.1	1.1	2.1	0.9
Other Services	5.65	5.65	5.63	5.59	5.56	5.54	5.52	5.51
% Ch, Annual Rate	0.3	0.1	-1.9	-2.3	-2.4	-1.9	-1.2	-0.9
Federal Government	2.76	2.76	2.75	2.75	2.74	2.73	2.72	2.71
% Ch, Annual Rate	-0.2	-0.2	-0.5	-0.8	-1.2	-1.4	-1.6	-1.8
State and Local Government	19.28	19.29	19.31	19.34	19.37	19.41	19.48	19.55
% Ch, Annual Rate	0.1	0.3	0.5	0.5	0.6	0.9	1.4	1.5

Table A2.2 (continued)

U.S. Nonagricultural Employment by Industry (Millions)

Forecast 2016 to 2021

	2018:1	2018:2	2018:3	2018:4	2019:1	2019:2	2019:3	2019:4
Nonfarm Payroll Employment	146.53	146.89	147.24	147.52	147.82	148.08	148.35	148.61
% Ch, Annual Rate	0.9	1.0	1.0	0.7	0.8	0.7	0.7	0.7
Manufacturing	12.51	12.54	12.56	12.60	12.63	12.63	12.65	12.67
% Ch, Annual Rate	0.5	1.1	0.6	1.0	1.1	0.1	0.6	0.4
Durable Manufacturing	7.92	7.95	7.97	8.00	8.03	8.03	8.04	8.06
% Ch, Annual Rate	1.2	1.8	1.0	1.4	1.4	0.0	0.7	0.5
Wood Products	0.44	0.44	0.45	0.45	0.46	0.46	0.46	0.46
% Ch, Annual Rate	7.1	7.0	5.5	4.0	2.5	0.6	2.4	3.5
Primary and Fabricated Metals	1.85	1.85	1.86	1.87	1.88	1.89	1.89	1.90
% Ch, Annual Rate	1.2	1.7	1.1	2.0	2.9	1.2	1.5	1.2
Computer and Electronic Products	1.11	1.11	1.12	1.12	1.12	1.12	1.12	1.12
% Ch, Annual Rate	2.5	2.0	1.5	1.4	-0.2	-0.1	0.4	0.3
Machinery and Electrical Equipment	1.49	1.50	1.50	1.51	1.51	1.52	1.52	1.53
% Ch, Annual Rate	1.5	2.1	1.2	1.8	2.0	1.1	1.6	1.1
Transportation Equipment	1.63	1.63	1.63	1.63	1.63	1.63	1.63	1.63
% Ch, Annual Rate	-0.8	0.4	0.0	-0.1	0.4	-1.1	0.1	-0.1
Other Durables	1.41	1.42	1.42	1.42	1.43	1.42	1.42	1.41
% Ch, Annual Rate	0.7	1.3	0.0	1.0	1.1	-1.4	-1.0	-1.1
Nondurable Manufacturing	4.59	4.59	4.59	4.60	4.60	4.60	4.61	4.61
% Ch, Annual Rate	-0.7	-0.1	0.1	0.4	0.4	0.3	0.4	0.3
Food Manufacturing	1.57	1.57	1.58	1.58	1.59	1.59	1.60	1.60
% Ch, Annual Rate	0.4	0.8	0.9	1.2	1.1	1.1	1.4	1.4
Paper and Paper Products	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
% Ch, Annual Rate	-2.1	-1.1	-0.8	-0.3	-0.5	-0.3	0.0	-0.1
Other Nondurables	2.66	2.66	2.65	2.65	2.65	2.65	2.65	2.65
% Ch, Annual Rate	-1.1	-0.5	-0.3	0.1	0.1	-0.1	-0.1	-0.3
Natural Resources and Mining	0.73	0.73	0.74	0.75	0.75	0.76	0.76	0.76
% Ch, Annual Rate	3.0	4.0	4.3	3.4	2.8	2.0	2.4	2.3
Construction	7.28	7.35	7.43	7.50	7.55	7.61	7.67	7.73
% Ch, Annual Rate	4.1	4.1	4.4	3.6	3.1	2.9	3.4	3.0
Trade, Transportation, and Utilities	27.49	27.49	27.49	27.50	27.49	27.50	27.51	27.51
% Ch, Annual Rate	-0.2	0.0	0.1	0.1	-0.1	0.1	0.1	0.1
Wholesale Trade	6.04	6.05	6.07	6.08	6.10	6.11	6.13	6.14
% Ch, Annual Rate	0.7	1.0	1.1	0.9	1.2	0.9	0.8	0.7
Retail Trade	15.81	15.76	15.74	15.72	15.69	15.68	15.67	15.66
% Ch, Annual Rate	-1.2	-1.1	-0.6	-0.4	-0.8	-0.3	-0.3	-0.2
Trans., Warehousing, and Utilities	5.65	5.67	5.68	5.69	5.70	5.70	5.71	5.71
% Ch, Annual Rate	1.3	1.9	0.7	0.6	0.5	0.4	0.3	0.3
Information	2.78	2.79	2.81	2.82	2.84	2.86	2.86	2.87
% Ch, Annual Rate	4.1	1.8	2.3	2.4	2.4	2.2	0.8	0.6
Publishing Industries	0.69	0.69	0.69	0.68	0.68	0.68	0.68	0.67
% Ch, Annual Rate	-2.8	-2.2	-1.4	-1.0	-1.5	-1.6	-1.7	-1.8
Other Information	2.09	2.10	2.12	2.14	2.16	2.18	2.19	2.19
% Ch, Annual Rate	6.5	3.1	3.6	3.5	3.7	3.4	1.6	1.4
Financial Activities	7.98	7.93	7.90	7.86	7.84	7.83	7.83	7.83
% Ch, Annual Rate	-1.8	-2.2	-1.9	-1.9	-0.9	-0.3	-0.1	0.0
Professional and Business Services	21.28	21.44	21.54	21.58	21.66	21.76	21.86	21.96
% Ch, Annual Rate	3.2	3.0	2.0	0.7	1.5	1.8	2.0	1.7
Education and Health Services	22.88	22.89	22.92	22.97	23.07	23.10	23.12	23.16
% Ch, Annual Rate	0.6	0.2	0.5	0.8	1.7	0.6	0.4	0.7
Leisure and Hospitality	15.80	15.85	15.91	15.96	15.94	15.96	15.97	15.99
% Ch, Annual Rate	0.2	1.2	1.6	1.2	-0.4	0.4	0.3	0.3
Other Services	5.50	5.49	5.48	5.47	5.46	5.45	5.44	5.42
% Ch, Annual Rate	-0.6	-0.9	-0.5	-0.7	-0.5	-0.9	-0.9	-0.9
Federal Government	2.69	2.68	2.68	2.67	2.66	2.65	2.64	2.63
% Ch, Annual Rate	-1.5	-1.5	-1.3	-1.4	-1.2	-1.3	-1.3	-1.3
State and Local Government	19.61	19.70	19.77	19.85	19.92	19.98	20.03	20.07
% Ch, Annual Rate	1.3	1.7	1.6	1.5	1.4	1.2	1.0	0.9

Table A2.2 (continued)

U.S. Nonagricultural Employment by Industry (Millions)

Forecast 2016 to 2021

	2020:1	2020:2	2020:3	2020:4	2021:1	2021:2	2021:3	2021:4
Nonfarm Payroll Employment	148.91	149.39	149.47	149.61	149.86	150.13	150.40	150.69
% Ch, Annual Rate	0.8	1.3	0.2	0.4	0.7	0.7	0.7	0.8
Manufacturing	12.67	12.66	12.67	12.69	12.70	12.72	12.73	12.73
% Ch, Annual Rate	0.1	-0.3	0.4	0.5	0.5	0.4	0.3	0.0
Durable Manufacturing	8.06	8.06	8.07	8.09	8.10	8.12	8.13	8.14
% Ch, Annual Rate	0.3	-0.2	0.6	0.8	0.9	0.8	0.8	0.3
Wood Products	0.47	0.47	0.47	0.48	0.48	0.48	0.49	0.49
% Ch, Annual Rate	3.5	2.4	3.2	3.2	2.9	2.2	2.2	2.0
Primary and Fabricated Metals	1.90	1.90	1.91	1.92	1.92	1.93	1.94	1.95
% Ch, Annual Rate	0.6	0.2	1.1	1.5	1.6	1.6	1.8	1.5
Computer and Electronic Products	1.12	1.12	1.12	1.12	1.12	1.13	1.13	1.13
% Ch, Annual Rate	0.4	-0.6	-0.2	0.2	0.5	0.6	0.7	0.7
Machinery and Electrical Equipment	1.53	1.53	1.53	1.54	1.54	1.55	1.55	1.56
% Ch, Annual Rate	0.2	0.1	1.1	1.1	1.6	1.4	1.6	0.9
Transportation Equipment	1.63	1.62	1.62	1.62	1.62	1.62	1.61	1.61
% Ch, Annual Rate	-0.1	-1.0	-0.3	-0.2	-0.4	-0.4	-1.2	-2.1
Other Durables	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41
% Ch, Annual Rate	-0.9	-0.7	0.4	0.4	0.2	0.1	0.4	0.0
Nondurable Manufacturing	4.61	4.60	4.60	4.60	4.60	4.60	4.59	4.58
% Ch, Annual Rate	-0.3	-0.4	0.1	-0.1	-0.2	-0.3	-0.5	-0.6
Food Manufacturing	1.60	1.61	1.61	1.62	1.62	1.63	1.63	1.63
% Ch, Annual Rate	1.0	0.7	1.4	1.0	1.1	0.8	0.7	0.6
Paper and Paper Products	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
% Ch, Annual Rate	-0.5	-0.5	0.1	0.1	0.0	0.1	-0.1	-0.2
Other Nondurables	2.64	2.64	2.63	2.63	2.62	2.61	2.61	2.60
% Ch, Annual Rate	-1.0	-1.1	-0.7	-0.8	-1.0	-1.0	-1.2	-1.4
Natural Resources and Mining	0.77	0.77	0.78	0.78	0.78	0.79	0.79	0.80
% Ch, Annual Rate	2.0	2.1	2.3	1.9	1.9	2.0	2.1	2.2
Construction	7.78	7.83	7.88	7.92	7.96	8.00	8.05	8.10
% Ch, Annual Rate	2.5	2.5	2.7	2.2	1.9	2.2	2.5	2.3
Trade, Transportation, and Utilities	27.51	27.48	27.47	27.47	27.45	27.44	27.42	27.41
% Ch, Annual Rate	-0.1	-0.5	-0.1	-0.1	-0.3	-0.1	-0.2	-0.1
Wholesale Trade	6.16	6.16	6.18	6.19	6.20	6.21	6.22	6.23
% Ch, Annual Rate	1.2	0.4	0.9	0.8	0.9	0.8	0.6	0.7
Retail Trade	15.63	15.60	15.58	15.56	15.52	15.50	15.47	15.45
% Ch, Annual Rate	-0.7	-0.9	-0.6	-0.5	-0.9	-0.6	-0.7	-0.5
Trans., Warehousing, and Utilities	5.72	5.72	5.72	5.72	5.73	5.73	5.73	5.73
% Ch, Annual Rate	0.4	-0.1	0.2	0.2	0.2	0.2	0.0	0.0
Information	2.87	2.87	2.89	2.90	2.91	2.93	2.94	2.96
% Ch, Annual Rate	0.6	0.4	1.7	1.9	1.9	2.1	2.1	2.1
Publishing Industries	0.67	0.67	0.66	0.66	0.66	0.66	0.65	0.65
% Ch, Annual Rate	-1.9	-2.4	-1.5	-1.4	-1.4	-1.2	-1.2	-1.2
Other Information	2.20	2.21	2.22	2.24	2.25	2.27	2.29	2.31
% Ch, Annual Rate	1.3	1.2	2.7	2.9	2.9	3.1	3.1	3.1
Financial Activities	7.84	7.83	7.84	7.84	7.84	7.85	7.86	7.86
% Ch, Annual Rate	0.5	-0.4	0.2	0.1	0.1	0.4	0.4	0.3
Professional and Business Services	22.05	22.13	22.25	22.37	22.49	22.63	22.77	22.93
% Ch, Annual Rate	1.7	1.6	2.1	2.1	2.3	2.4	2.5	2.8
Education and Health Services	23.25	23.24	23.28	23.33	23.39	23.40	23.42	23.46
% Ch, Annual Rate	1.5	-0.2	0.8	0.9	0.9	0.3	0.4	0.7
Leisure and Hospitality	15.98	15.99	16.02	16.03	16.04	16.05	16.06	16.07
% Ch, Annual Rate	-0.2	0.2	0.7	0.4	0.2	0.4	0.3	0.1
Other Services	5.43	5.42	5.41	5.41	5.40	5.39	5.38	5.38
% Ch, Annual Rate	0.1	-0.5	-0.3	-0.5	-0.6	-0.5	-0.6	-0.6
Federal Government	2.65	3.01	2.79	2.64	2.61	2.61	2.60	2.60
% Ch, Annual Rate	3.1	66.3	-26.8	-19.5	-3.7	-1.0	-0.9	-0.8
State and Local Government	20.11	20.16	20.20	20.24	20.28	20.32	20.36	20.40
% Ch, Annual Rate	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8

Table A2.3

Washington Nonagricultural Employment by Industry (Thousands)

Forecast 2016 to 2021

	2014	2015	2016	2017	2018	2019	2020	2021
Nonfarm Payroll Employment	3,073.7	3,158.4	3,222.1	3,261.5	3,301.5	3,339.9	3,379.7	3,415.4
% Ch	2.7	2.8	2.0	1.2	1.2	1.2	1.2	1.1
Manufacturing	288.2	289.1	287.3	287.7	288.9	290.5	292.1	295.0
% Ch	0.5	0.3	-0.6	0.1	0.4	0.5	0.6	1.0
Durable Manufacturing	209.5	209.8	206.5	206.2	207.5	208.3	209.4	211.6
% Ch	0.0	0.1	-1.6	-0.1	0.6	0.4	0.5	1.1
Wood Products	13.4	13.4	13.4	14.0	14.6	14.7	14.8	14.9
% Ch	2.7	0.0	-0.2	4.4	4.4	0.9	0.8	0.6
Primary and Fabricated Metals	25.5	25.6	25.0	24.6	24.9	25.6	25.9	26.4
% Ch	2.1	0.5	-2.3	-1.8	1.3	2.7	1.2	1.8
Computer and Electronic Products	20.0	20.1	20.4	21.7	22.7	23.1	23.4	23.7
% Ch	-1.0	0.4	1.6	6.3	4.8	1.8	1.1	1.5
Machinery and Electrical Equipment	20.8	20.8	20.5	21.2	22.3	23.6	24.6	26.0
% Ch	4.8	0.1	-1.5	3.2	5.1	5.8	4.6	5.4
Aerospace	93.9	92.9	90.7	88.4	86.5	84.8	84.1	84.1
% Ch	-2.2	-1.1	-2.4	-2.5	-2.2	-2.0	-0.8	0.0
Other Transportation Equip.	9.6	10.0	9.9	9.6	9.2	8.9	8.8	8.6
% Ch	-1.4	4.4	-0.8	-3.6	-4.2	-2.7	-2.2	-1.8
Other Durables	26.3	26.9	26.5	26.8	27.3	27.6	27.8	27.9
% Ch	2.2	2.6	-1.8	1.2	1.9	1.2	0.6	0.5
Nondurable Manufacturing	78.7	79.3	80.8	81.5	81.5	82.1	82.8	83.4
% Ch	2.1	0.8	2.0	0.8	0.0	0.8	0.7	0.7
Food Manufacturing	36.4	36.2	37.1	37.6	37.5	37.7	37.8	37.9
% Ch	2.1	-0.7	2.5	1.4	-0.2	0.4	0.4	0.2
Paper and Paper Products	8.1	8.0	7.6	7.4	7.2	7.1	7.0	6.9
% Ch	-0.8	-1.0	-4.8	-2.7	-3.0	-1.5	-1.4	-1.1
Other Nondurables	34.2	35.1	36.2	36.5	36.8	37.4	37.9	38.5
% Ch	2.7	2.8	3.0	0.9	0.8	1.7	1.4	1.5
Natural Resources and Mining	6.2	6.2	5.9	5.9	6.0	6.1	6.2	6.2
% Ch	1.7	0.4	-6.1	0.0	2.8	1.9	0.9	0.7
Construction	159.3	172.5	177.0	181.6	189.4	195.2	200.4	203.5
% Ch	6.9	8.3	2.6	2.6	4.3	3.1	2.6	1.6
Trade, Transportation, and Utilities	569.4	588.4	600.6	605.6	607.6	610.0	612.1	613.4
% Ch	3.3	3.3	2.1	0.8	0.3	0.4	0.3	0.2
Wholesale Trade	130.5	133.5	135.7	137.3	139.0	140.7	142.4	143.8
% Ch	2.8	2.3	1.7	1.1	1.2	1.3	1.2	1.0
Retail Trade	341.2	354.7	365.9	367.7	366.5	366.5	366.4	365.9
% Ch	3.4	4.0	3.1	0.5	-0.3	0.0	0.0	-0.1
Trans., Warehousing, and Utilities	97.8	100.2	99.0	100.7	102.1	102.8	103.3	103.7
% Ch	4.0	2.5	-1.1	1.7	1.4	0.7	0.5	0.4
Information	109.6	112.6	116.8	117.9	119.5	122.4	124.4	127.2
% Ch	3.2	2.7	3.7	1.0	1.3	2.4	1.6	2.3
Software Publishers	55.6	55.5	56.7	57.2	57.7	58.4	59.0	59.7
% Ch	3.2	-0.1	2.3	0.9	0.9	1.2	1.1	1.2
Other Publishing Industries	6.6	6.3	6.2	5.8	5.4	5.1	4.7	4.4
% Ch	-4.8	-5.1	-0.5	-6.9	-7.2	-5.9	-6.9	-6.4
Other Information	47.5	50.8	53.8	54.9	56.4	58.9	60.6	63.1
% Ch	4.5	7.1	5.8	2.0	2.7	4.5	2.9	4.1
Financial Activities	153.0	155.5	157.7	153.9	150.3	148.3	148.2	148.2
% Ch	1.6	1.6	1.4	-2.4	-2.3	-1.3	-0.1	0.0
Professional and Business Services	372.8	390.8	403.6	418.5	431.5	440.9	451.1	463.5
% Ch	3.3	4.8	3.3	3.7	3.1	2.2	2.3	2.7
Education and Health Services	453.2	457.2	468.6	475.8	481.4	488.6	495.3	501.6
% Ch	3.0	0.9	2.5	1.5	1.2	1.5	1.4	1.3
Leisure and Hospitality	297.0	307.6	316.0	320.0	324.1	327.3	329.9	332.7
% Ch	3.4	3.6	2.7	1.3	1.3	1.0	0.8	0.9
Other Services	113.9	115.7	117.2	117.4	118.0	118.7	119.4	120.2
% Ch	2.4	1.5	1.3	0.2	0.5	0.5	0.6	0.6
Federal Government	71.3	73.1	73.9	73.5	72.8	72.3	75.0	71.8
% Ch	-0.5	2.5	1.1	-0.5	-0.9	-0.8	3.7	-4.2
State and Local Government	479.7	489.9	497.6	503.6	511.8	519.6	525.7	532.0
% Ch	1.7	2.1	1.6	1.2	1.6	1.5	1.2	1.2

Table A2.4

Washington Nonagricultural Employment by Industry (Thousands)

Forecast 2016 to 2021

	2016:1	2016:2	2016:3	2016:4	2017:1	2017:2	2017:3	2017:4
Nonfarm Payroll Employment	3,205.2	3,217.9	3,227.4	3,237.9	3,249.1	3,256.1	3,264.7	3,276.1
% Ch, Annual Rate	2.7	1.6	1.2	1.3	1.4	0.9	1.1	1.4
Manufacturing	288.2	287.5	286.5	287.1	287.6	287.7	287.7	288.0
% Ch, Annual Rate	0.6	-0.9	-1.4	0.8	0.7	0.2	-0.1	0.4
Durable Manufacturing	207.7	206.9	205.7	205.7	206.0	206.2	206.2	206.6
% Ch, Annual Rate	-1.7	-1.5	-2.3	0.1	0.6	0.3	0.1	0.7
Wood Products	13.4	13.4	13.3	13.4	13.6	13.9	14.1	14.2
% Ch, Annual Rate	-0.3	-0.1	-1.4	3.1	6.1	8.6	5.0	4.6
Primary and Fabricated Metals	25.5	25.4	24.7	24.7	24.6	24.6	24.5	24.6
% Ch, Annual Rate	-2.1	-1.9	-10.5	0.4	-0.8	-0.3	-1.7	1.5
Computer and Electronic Products	20.3	20.2	20.4	20.8	21.1	21.5	21.9	22.2
% Ch, Annual Rate	2.0	-1.3	4.3	7.0	7.8	7.7	6.8	5.5
Machinery and Electrical Equipment	20.4	20.6	20.5	20.7	20.9	21.1	21.2	21.5
% Ch, Annual Rate	-5.9	4.0	-0.6	2.5	4.8	3.7	2.9	4.9
Aerospace	91.6	91.0	90.4	89.8	89.3	88.7	88.2	87.6
% Ch, Annual Rate	-0.8	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5	-2.5
Other Transportation Equip.	10.2	9.9	9.9	9.8	9.8	9.6	9.5	9.5
% Ch, Annual Rate	-1.8	-11.1	-2.1	-0.5	-0.1	-10.0	-3.6	-0.5
Other Durables	26.4	26.5	26.5	26.5	26.6	26.7	26.8	27.0
% Ch, Annual Rate	-4.1	1.0	-0.4	0.6	1.3	2.1	1.5	2.1
Nondurable Manufacturing	80.5	80.7	80.9	81.4	81.6	81.5	81.5	81.4
% Ch, Annual Rate	6.8	0.9	1.0	2.5	1.1	-0.2	-0.4	-0.4
Food Manufacturing	36.8	36.9	37.1	37.5	37.6	37.6	37.6	37.6
% Ch, Annual Rate	13.6	0.9	1.7	4.4	1.6	0.1	-0.1	-0.6
Paper and Paper Products	7.7	7.6	7.6	7.6	7.5	7.4	7.4	7.3
% Ch, Annual Rate	-7.2	-2.9	-1.7	-2.0	-2.0	-3.9	-3.6	-3.3
Other Nondurables	36.0	36.1	36.2	36.3	36.5	36.5	36.5	36.5
% Ch, Annual Rate	3.4	1.6	0.8	1.5	1.3	0.2	0.0	0.5
Natural Resources and Mining	5.9	5.9	5.8	5.8	5.8	5.8	5.9	5.9
% Ch, Annual Rate	-6.0	-3.0	-2.7	0.9	-1.9	2.0	2.8	3.0
Construction	177.0	176.5	176.8	177.6	178.7	180.2	182.3	185.2
% Ch, Annual Rate	8.4	-1.2	0.8	1.8	2.4	3.5	4.7	6.4
Trade, Transportation, and Utilities	597.8	599.8	601.5	603.3	604.7	605.1	606.1	606.6
% Ch, Annual Rate	2.3	1.4	1.1	1.2	0.9	0.3	0.6	0.4
Wholesale Trade	135.3	135.4	135.9	136.2	136.7	137.0	137.4	137.9
% Ch, Annual Rate	3.3	0.4	1.3	1.0	1.3	0.8	1.4	1.5
Retail Trade	364.0	365.7	366.4	367.4	367.9	367.7	367.7	367.4
% Ch, Annual Rate	4.9	1.8	0.9	1.1	0.5	-0.2	0.1	-0.4
Trans., Warehousing, and Utilities	98.5	98.8	99.2	99.6	100.1	100.5	100.9	101.3
% Ch, Annual Rate	-7.8	1.1	1.9	1.7	2.0	1.4	1.7	1.7
Information	115.6	116.2	117.5	117.8	119.5	118.3	116.6	117.4
% Ch, Annual Rate	3.0	2.0	4.3	1.3	5.9	-4.2	-5.5	2.6
Software Publishers	56.4	56.7	56.9	57.0	57.2	57.1	57.3	57.4
% Ch, Annual Rate	1.7	2.0	1.2	0.5	1.4	-0.2	0.9	0.9
Other Publishing Industries	6.3	6.3	6.2	6.1	6.0	5.8	5.7	5.6
% Ch, Annual Rate	9.3	-0.6	-5.0	-8.7	-3.9	-12.4	-6.7	-7.0
Other Information	52.9	53.2	54.3	54.8	56.3	55.3	53.6	54.4
% Ch, Annual Rate	3.7	2.3	8.9	3.3	11.9	-7.3	-11.6	5.6
Financial Activities	158.0	158.5	157.6	156.7	155.4	154.2	153.4	152.6
% Ch, Annual Rate	3.1	1.2	-2.4	-2.3	-3.3	-3.0	-2.1	-2.0
Professional and Business Services	398.7	401.7	404.7	409.2	413.7	416.8	420.1	423.5
% Ch, Annual Rate	2.0	3.0	3.1	4.5	4.4	3.0	3.2	3.2
Education and Health Services	463.9	467.8	470.5	472.0	473.6	475.3	476.5	477.9
% Ch, Annual Rate	3.7	3.4	2.3	1.3	1.3	1.4	1.0	1.2
Leisure and Hospitality	313.5	315.9	316.9	317.6	318.2	319.3	320.7	321.7
% Ch, Annual Rate	3.4	3.0	1.3	0.9	0.8	1.3	1.8	1.2
Other Services	116.9	117.3	117.3	117.3	117.3	117.4	117.5	117.6
% Ch, Annual Rate	3.6	1.1	0.3	0.1	0.0	0.1	0.4	0.5
Federal Government	73.9	73.9	73.9	73.9	73.8	73.6	73.4	73.2
% Ch, Annual Rate	1.1	0.3	0.0	-0.3	-0.6	-0.8	-1.0	-1.1
State and Local Government	495.7	496.9	498.2	499.5	500.8	502.4	504.5	506.6
% Ch, Annual Rate	1.9	1.0	1.0	1.0	1.1	1.3	1.6	1.7

Table A2.4 (continued)

Washington Nonagricultural Employment by Industry (Thousands)

Forecast 2016 to 2021

	2018:1	2018:2	2018:3	2018:4	2019:1	2019:2	2019:3	2019:4
Nonfarm Payroll Employment	3,287.6	3,296.7	3,306.3	3,315.3	3,325.6	3,335.2	3,344.6	3,354.0
% Ch, Annual Rate	1.4	1.1	1.2	1.1	1.2	1.2	1.1	1.1
Manufacturing	288.2	288.8	289.1	289.6	290.1	290.2	290.6	290.9
% Ch, Annual Rate	0.4	0.8	0.4	0.7	0.7	0.2	0.5	0.4
Durable Manufacturing	206.9	207.4	207.6	208.0	208.3	208.2	208.3	208.4
% Ch, Annual Rate	0.6	1.0	0.4	0.7	0.5	-0.1	0.3	0.2
Wood Products	14.4	14.5	14.7	14.7	14.7	14.7	14.7	14.7
% Ch, Annual Rate	4.4	4.3	3.0	1.7	0.4	-1.3	0.3	1.3
Primary and Fabricated Metals	24.7	24.9	24.9	25.1	25.4	25.5	25.7	25.8
% Ch, Annual Rate	1.9	2.3	1.4	3.2	4.3	1.8	2.2	1.7
Computer and Electronic Products	22.4	22.7	22.8	23.0	23.0	23.1	23.2	23.2
% Ch, Annual Rate	4.6	3.9	3.1	3.0	0.7	0.7	1.5	1.4
Machinery and Electrical Equipment	21.8	22.1	22.4	22.7	23.1	23.4	23.7	24.0
% Ch, Annual Rate	5.5	6.4	5.1	6.1	6.4	5.1	5.9	5.1
Aerospace	87.2	86.7	86.3	85.8	85.4	85.0	84.6	84.1
% Ch, Annual Rate	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0	-2.0
Other Transportation Equip.	9.3	9.2	9.2	9.1	9.0	9.0	8.9	8.9
% Ch, Annual Rate	-8.4	-1.6	-3.0	-2.5	-2.6	-3.1	-2.8	-2.7
Other Durables	27.1	27.3	27.3	27.4	27.5	27.6	27.6	27.7
% Ch, Annual Rate	2.3	2.0	1.2	1.5	1.5	0.7	0.8	0.7
Nondurable Manufacturing	81.3	81.4	81.5	81.7	81.8	82.0	82.3	82.5
% Ch, Annual Rate	-0.2	0.3	0.4	0.8	0.9	0.9	1.1	1.0
Food Manufacturing	37.5	37.5	37.5	37.6	37.6	37.6	37.7	37.8
% Ch, Annual Rate	-0.6	-0.1	0.2	0.5	0.4	0.4	0.9	0.8
Paper and Paper Products	7.2	7.2	7.2	7.1	7.1	7.1	7.1	7.0
% Ch, Annual Rate	-3.4	-2.4	-1.9	-1.4	-1.6	-1.4	-1.1	-1.2
Other Nondurables	36.6	36.7	36.8	37.0	37.1	37.3	37.5	37.6
% Ch, Annual Rate	0.8	1.1	1.2	1.6	2.0	1.8	1.8	1.6
Natural Resources and Mining	6.0	6.0	6.1	6.1	6.1	6.1	6.2	6.2
% Ch, Annual Rate	2.6	2.7	3.5	1.8	1.7	1.2	1.3	1.5
Construction	187.8	188.5	189.9	191.3	192.9	194.4	196.0	197.6
% Ch, Annual Rate	5.7	1.6	2.9	3.1	3.3	3.3	3.3	3.2
Trade, Transportation, and Utilities	607.0	607.2	607.7	608.4	608.9	609.6	610.4	611.2
% Ch, Annual Rate	0.2	0.1	0.4	0.4	0.3	0.5	0.5	0.5
Wholesale Trade	138.4	138.7	139.2	139.6	140.1	140.5	140.9	141.3
% Ch, Annual Rate	1.4	0.9	1.2	1.2	1.5	1.3	1.1	1.1
Retail Trade	366.9	366.4	366.3	366.4	366.2	366.3	366.6	366.8
% Ch, Annual Rate	-0.5	-0.5	-0.1	0.1	-0.2	0.2	0.2	0.3
Trans., Warehousing, and Utilities	101.7	102.1	102.3	102.4	102.6	102.8	102.9	103.0
% Ch, Annual Rate	1.4	1.5	0.7	0.7	0.6	0.6	0.5	0.5
Information	118.4	119.1	119.8	120.6	121.4	122.2	122.7	123.1
% Ch, Annual Rate	3.6	2.2	2.6	2.7	2.7	2.5	1.6	1.5
Software Publishers	57.5	57.6	57.8	58.0	58.2	58.3	58.5	58.6
% Ch, Annual Rate	0.8	1.0	1.2	1.3	1.2	1.1	1.1	1.1
Other Publishing Industries	5.5	5.4	5.3	5.3	5.2	5.1	5.0	4.9
% Ch, Annual Rate	-7.8	-6.9	-5.6	-4.9	-5.9	-6.1	-6.4	-6.7
Other Information	55.4	56.0	56.7	57.4	58.1	58.8	59.2	59.5
% Ch, Annual Rate	8.0	4.4	4.9	4.9	5.1	4.7	2.7	2.6
Financial Activities	151.9	150.8	149.8	148.9	148.5	148.4	148.3	148.2
% Ch, Annual Rate	-1.9	-2.9	-2.5	-2.3	-1.1	-0.4	-0.2	0.0
Professional and Business Services	427.2	430.7	433.4	434.8	437.0	439.6	442.2	444.7
% Ch, Annual Rate	3.6	3.4	2.5	1.4	2.0	2.3	2.5	2.3
Education and Health Services	479.4	480.6	482.0	483.7	486.4	487.9	489.3	490.9
% Ch, Annual Rate	1.3	0.9	1.2	1.5	2.3	1.3	1.1	1.4
Leisure and Hospitality	322.3	323.4	324.7	325.8	326.2	326.9	327.6	328.3
% Ch, Annual Rate	0.8	1.4	1.6	1.3	0.4	0.9	0.9	0.9
Other Services	117.8	117.9	118.1	118.3	118.5	118.6	118.7	118.9
% Ch, Annual Rate	0.6	0.5	0.6	0.6	0.6	0.5	0.5	0.5
Federal Government	73.0	72.9	72.7	72.6	72.5	72.3	72.2	72.1
% Ch, Annual Rate	-1.0	-0.9	-0.7	-0.8	-0.7	-0.8	-0.8	-0.7
State and Local Government	508.5	510.8	513.0	515.1	517.1	518.9	520.5	521.9
% Ch, Annual Rate	1.5	1.8	1.7	1.7	1.6	1.4	1.2	1.1

Table A3.1

U.S. Personal Income by Component (Billions of Dollars)

Forecast 2016 to 2021

	2014	2015	2016	2017	2018	2019	2020	2021
Personal Income	14,694.2	15,357.4	15,927.2	16,618.6	17,392.6	18,180.7	18,968.2	19,768.0
% Ch	4.4	4.5	3.7	4.3	4.7	4.5	4.3	4.2
Total Wage and Salary Disbursements	7,477.8	7,838.7	8,187.7	8,538.9	8,900.1	9,265.8	9,638.6	10,022.0
% Ch	5.1	4.8	4.5	4.3	4.2	4.1	4.0	4.0
Nonwage Personal Income	7,216.5	7,518.7	7,739.6	8,079.7	8,492.4	8,914.9	9,329.6	9,746.0
% Ch	3.8	4.2	2.9	4.4	5.1	5.0	4.7	4.5
Supplements to Wages and Salaries	1,771.2	1,832.0	1,907.9	1,998.6	2,075.9	2,154.9	2,232.1	2,307.0
% Ch	2.7	3.4	4.1	4.8	3.9	3.8	3.6	3.4
Proprietor's Income	1,346.7	1,389.8	1,434.5	1,497.2	1,551.9	1,603.2	1,670.5	1,744.1
% Ch	4.8	3.2	3.2	4.4	3.7	3.3	4.2	4.4
Farm	78.1	62.5	57.4	51.3	51.9	52.6	53.8	56.5
% Ch	...	...	...	...	...	...	...	...
Nonfarm	1,268.5	1,327.4	1,377.1	1,445.9	1,500.0	1,550.6	1,616.7	1,687.6
% Ch	6.0	4.6	3.8	5.0	3.7	3.4	4.3	4.4
Less: Contribution For Govt. Soc. Ins.	1,159.0	1,204.6	1,254.1	1,310.4	1,371.2	1,440.0	1,507.1	1,576.5
% Ch	4.7	3.9	4.1	4.5	4.6	5.0	4.7	4.6
Dividends/Int./Rent	2,728.4	2,837.1	2,868.9	2,987.5	3,192.4	3,401.9	3,578.1	3,749.0
% Ch	4.0	4.0	1.1	4.1	6.9	6.6	5.2	4.8
Transfer Payments	2,529.2	2,664.3	2,782.4	2,906.8	3,043.4	3,195.0	3,356.0	3,522.4
% Ch	4.2	5.3	4.4	4.5	4.7	5.0	5.0	5.0

Table A3.2

U.S. Personal Income by Component (Billions of Dollars)

Forecast 2016 to 2021

	2016:1	2016:2	2016:3	2016:4	2017:1	2017:2	2017:3	2017:4
Personal Income	15,748.5	15,838.4	15,979.1	16,142.9	16,343.2	16,532.1	16,708.5	16,890.7
% Ch, Annual Rate	3.7	2.3	3.6	4.2	5.1	4.7	4.3	4.4
Total Wage and Salary Disbursements	8,072.5	8,136.4	8,226.8	8,315.0	8,407.8	8,497.2	8,582.7	8,667.9
% Ch, Annual Rate	4.5	3.2	4.5	4.4	4.5	4.3	4.1	4.0
Nonwage Personal Income	7,676.0	7,702.0	7,752.3	7,827.9	7,935.4	8,034.9	8,125.8	8,222.8
% Ch, Annual Rate	3.0	1.4	2.6	4.0	5.6	5.1	4.6	4.9
Supplements to Wages and Salaries	1,876.7	1,894.3	1,918.8	1,941.7	1,967.0	1,989.2	2,009.7	2,028.6
% Ch, Annual Rate	4.1	3.8	5.3	4.9	5.3	4.6	4.2	3.8
Proprietor's Income	1,416.4	1,425.1	1,437.8	1,458.7	1,473.1	1,492.2	1,504.6	1,518.9
% Ch, Annual Rate	1.0	2.5	3.6	5.9	4.0	5.3	3.4	3.8
Farm	65.3	58.5	53.8	51.9	51.7	50.3	50.7	52.7
% Ch, Annual Rate	...	...	...	...	...	...	...	...
Nonfarm	1,351.0	1,366.6	1,384.1	1,406.8	1,421.5	1,441.9	1,454.0	1,466.2
% Ch, Annual Rate	1.7	4.7	5.2	6.7	4.2	5.9	3.4	3.4
Less: Contribution For Govt. Soc. Ins.	1,236.4	1,246.2	1,260.1	1,273.6	1,292.0	1,305.7	1,316.0	1,327.8
% Ch, Annual Rate	4.8	3.2	4.5	4.4	5.9	4.3	3.2	3.7
Dividends/Int./Rent	2,880.0	2,861.4	2,859.2	2,874.8	2,926.0	2,964.3	3,005.1	3,054.5
% Ch, Annual Rate	1.8	-2.6	-0.3	2.2	7.3	5.3	5.6	6.7
Transfer Payments	2,739.4	2,767.5	2,796.5	2,826.2	2,861.2	2,895.0	2,922.3	2,948.6
% Ch, Annual Rate	5.3	4.2	4.3	4.3	5.0	4.8	3.8	3.6

Table A3.2 (continued)

U.S. Personal Income by Component (Billions of Dollars)

Forecast 2016 to 2021

	2018:1	2018:2	2018:3	2018:4	2019:1	2019:2	2019:3	2019:4
Personal Income	17,114.5	17,298.7	17,482.2	17,675.0	17,900.4	18,092.3	18,273.4	18,456.6
% Ch, Annual Rate	5.4	4.4	4.3	4.5	5.2	4.4	4.1	4.1
Total Wage and Salary Disbursements	8,763.5	8,855.6	8,946.6	9,034.9	9,129.5	9,219.7	9,311.2	9,402.6
% Ch, Annual Rate	4.5	4.3	4.2	4.0	4.3	4.0	4.0	4.0
Nonwage Personal Income	8,351.0	8,443.1	8,535.6	8,640.1	8,770.9	8,872.6	8,962.2	9,054.0
% Ch, Annual Rate	6.4	4.5	4.5	5.0	6.2	4.7	4.1	4.2
Supplements to Wages and Salaries	2,051.4	2,067.4	2,083.5	2,101.3	2,129.8	2,146.7	2,162.7	2,180.3
% Ch, Annual Rate	4.6	3.2	3.2	3.5	5.5	3.2	3.0	3.3
Proprietor's Income	1,531.7	1,546.9	1,558.6	1,570.5	1,583.8	1,596.3	1,609.1	1,623.6
% Ch, Annual Rate	3.4	4.0	3.1	3.1	3.4	3.2	3.2	3.6
Farm	52.6	51.5	51.2	52.4	52.9	52.7	52.3	52.4
% Ch, Annual Rate	...	...	...	...	...	...	...	...
Nonfarm	1,479.1	1,495.3	1,507.4	1,518.1	1,530.9	1,543.7	1,556.8	1,571.1
% Ch, Annual Rate	3.6	4.5	3.3	2.9	3.4	3.4	3.4	3.7
Less: Contribution For Govt. Soc. Ins.	1,353.9	1,365.5	1,376.5	1,388.9	1,422.8	1,434.1	1,445.2	1,458.1
% Ch, Annual Rate	8.1	3.5	3.3	3.6	10.1	3.2	3.1	3.6
Dividends/Int./Rent	3,114.4	3,163.9	3,215.0	3,276.2	3,329.9	3,384.2	3,425.7	3,467.8
% Ch, Annual Rate	8.1	6.5	6.6	7.8	6.7	6.7	5.0	5.0
Transfer Payments	3,007.3	3,030.5	3,055.0	3,080.9	3,150.1	3,179.5	3,209.9	3,240.4
% Ch, Annual Rate	8.2	3.1	3.3	3.4	9.3	3.8	3.9	3.9

Table A3.2 (continued)

U.S. Personal Income by Component (Billions of Dollars)

Forecast 2016 to 2021

	2020:1	2020:2	2020:3	2020:4	2021:1	2021:2	2021:3	2021:4
Personal Income	18,680.0	18,873.6	19,063.2	19,256.1	19,474.1	19,671.1	19,864.4	20,062.5
% Ch, Annual Rate	4.9	4.2	4.1	4.1	4.6	4.1	4.0	4.0
Total Wage and Salary Disbursements	9,499.9	9,592.8	9,684.5	9,777.2	9,877.1	9,972.8	10,069.8	10,168.4
% Ch, Annual Rate	4.2	4.0	3.9	3.9	4.2	3.9	3.9	4.0
Nonwage Personal Income	9,180.0	9,280.8	9,378.7	9,478.9	9,597.0	9,698.3	9,794.6	9,894.1
% Ch, Annual Rate	5.7	4.5	4.3	4.3	5.1	4.3	4.0	4.1
Supplements to Wages and Salaries	2,206.9	2,223.6	2,240.5	2,257.6	2,283.4	2,299.3	2,314.3	2,331.1
% Ch, Annual Rate	5.0	3.1	3.1	3.1	4.7	2.8	2.6	2.9
Proprietor's Income	1,643.3	1,663.4	1,678.9	1,696.5	1,716.0	1,736.6	1,753.6	1,770.3
% Ch, Annual Rate	5.0	5.0	3.8	4.3	4.7	4.9	4.0	3.9
Farm	52.9	53.3	54.0	55.2	56.3	56.6	56.5	56.8
% Ch, Annual Rate	...	...	...	...	...	...	...	...
Nonfarm	1,590.4	1,610.2	1,624.9	1,641.3	1,659.7	1,680.0	1,697.1	1,713.5
% Ch, Annual Rate	5.0	5.1	3.7	4.1	4.6	5.0	4.1	3.9
Less: Contribution For Govt. Soc. Ins.	1,489.5	1,501.2	1,512.3	1,525.4	1,558.0	1,570.1	1,582.0	1,596.1
% Ch, Annual Rate	8.9	3.2	3.0	3.5	8.8	3.2	3.1	3.6
Dividends/Int./Rent	3,509.9	3,555.8	3,601.7	3,644.9	3,686.7	3,729.0	3,769.4	3,811.0
% Ch, Annual Rate	4.9	5.3	5.3	4.9	4.7	4.7	4.4	4.5
Transfer Payments	3,309.5	3,339.1	3,369.9	3,405.4	3,468.8	3,503.5	3,539.4	3,577.8
% Ch, Annual Rate	8.8	3.6	3.7	4.3	7.7	4.1	4.2	4.4

Table A3.3

Washington Personal Income by Component (Billions of Dollars)

Forecast 2016 to 2021

	2014	2015	2016	2017	2018	2019	2020	2021
Personal Income	350.322	369.572	384.951	402.665	423.057	444.004	465.263	487.170
% Ch	5.8	5.5	4.2	4.6	5.1	5.0	4.8	4.7
Total Wage and Salary Disbursements	181.978	192.609	201.886	210.763	220.332	230.149	240.533	251.483
% Ch	6.7	5.8	4.8	4.4	4.5	4.5	4.5	4.6
Manufacturing	21.781	21.904	22.131	22.784	23.560	24.373	25.283	26.342
% Ch	6.0	0.6	1.0	3.0	3.4	3.5	3.7	4.2
Durable Manufacturing	17.664	17.715	17.729	18.200	18.821	19.434	20.140	20.988
% Ch	6.4	0.3	0.1	2.7	3.4	3.3	3.6	4.2
Nondurable Manufacturing	4.117	4.189	4.402	4.584	4.739	4.939	5.144	5.353
% Ch	4.0	1.8	5.1	4.1	3.4	4.2	4.1	4.1
Nonmanufacturing	153.326	163.777	172.620	180.608	189.146	197.876	207.065	216.661
% Ch	7.2	6.8	5.4	4.6	4.7	4.6	4.6	4.6
Other Private Wages	1.116	1.203	1.221	1.258	1.298	1.337	1.378	1.421
% Ch	3.2	7.8	1.5	3.0	3.2	3.0	3.1	3.1
Farm Wages	1.624	1.681	1.748	1.825	1.908	1.993	2.082	2.176
% Ch	3.1	3.5	4.0	4.4	4.6	4.5	4.5	4.5
Military Wages	4.131	4.043	4.166	4.289	4.420	4.570	4.724	4.884
% Ch	-4.1	-2.1	3.0	2.9	3.1	3.4	3.4	3.4
Nonwage Personal Income	168.343	176.964	183.066	191.902	202.725	213.855	224.729	235.688
% Ch	4.9	5.1	3.4	4.8	5.6	5.5	5.1	4.9
Supplements to Wages and Salaries	41.754	43.487	45.489	47.678	49.692	51.791	53.910	56.027
% Ch	2.8	4.2	4.6	4.8	4.2	4.2	4.1	3.9
Proprietor's Income	25.979	27.514	28.725	30.113	31.252	32.316	33.708	35.209
% Ch	3.5	5.9	4.4	4.8	3.8	3.4	4.3	4.5
Farm	1.253	0.964	1.037	1.022	1.038	1.048	1.058	1.077
% Ch	...	...	...	...	...	...	...	...
Nonfarm	24.726	26.550	27.688	29.090	30.214	31.268	32.650	34.132
% Ch	5.3	7.4	4.3	5.1	3.9	3.5	4.4	4.5
Less: Contribution For Govt. Soc. Ins.	30.320	31.654	33.098	34.597	36.278	38.190	40.097	42.085
% Ch	4.7	4.4	4.6	4.5	4.9	5.3	5.0	5.0
Plus: Residence Adjustment	3.353	3.548	3.723	3.908	4.096	4.284	4.475	4.669
% Ch	-1.1	5.8	4.9	5.0	4.8	4.6	4.4	4.3
Dividends/Int./Rent	72.149	75.203	76.610	80.140	85.986	92.002	97.163	102.225
% Ch	4.0	4.2	1.9	4.6	7.3	7.0	5.6	5.2
Transfer Payments	55.427	58.866	61.616	64.660	67.977	71.652	75.570	79.643
% Ch	8.8	6.2	4.7	4.9	5.1	5.4	5.5	5.4
State U.I. Benefits	1.062	0.994	0.954	0.885	0.807	0.791	0.786	0.782
% Ch	-38.4	-6.4	-4.0	-7.2	-8.8	-2.1	-0.6	-0.5
Other Transfers	54.365	57.871	60.662	63.775	67.169	70.861	74.784	78.861
% Ch	10.4	6.4	4.8	5.1	5.3	5.5	5.5	5.5

Table A3.4

Washington Personal Income by Component (Billions of Dollars)

Forecast 2016 to 2021

	2016:1	2016:2	2016:3	2016:4	2017:1	2017:2	2017:3	2017:4
Personal Income	381.369	383.071	386.222	389.144	396.605	400.942	404.548	408.568
% Ch, Annual Rate	7.2	1.8	3.3	3.1	7.9	4.4	3.6	4.0
Total Wage and Salary Disbursements	200.013	200.972	202.785	203.773	208.433	210.215	211.460	212.945
% Ch, Annual Rate	10.5	1.9	3.7	2.0	9.5	3.5	2.4	2.8
Manufacturing	22.029	22.040	22.133	22.322	22.511	22.706	22.870	23.047
% Ch, Annual Rate	2.7	0.2	1.7	3.5	3.4	3.5	2.9	3.1
Durable Manufacturing	17.686	17.672	17.717	17.842	17.982	18.138	18.267	18.413
% Ch, Annual Rate	1.1	-0.3	1.0	2.9	3.2	3.5	2.9	3.2
Nondurable Manufacturing	4.343	4.368	4.416	4.480	4.529	4.569	4.603	4.635
% Ch, Annual Rate	9.6	2.3	4.5	5.9	4.5	3.6	3.0	2.8
Nonmanufacturing	170.890	171.816	173.497	174.276	178.600	180.151	181.197	182.482
% Ch, Annual Rate	11.7	2.2	4.0	1.8	10.3	3.5	2.3	2.9
Other Private Wages	1.211	1.215	1.225	1.234	1.245	1.254	1.262	1.272
% Ch, Annual Rate	3.9	1.5	3.1	3.1	3.6	2.9	2.7	3.1
Farm Wages	1.725	1.737	1.756	1.775	1.797	1.816	1.834	1.854
% Ch, Annual Rate	5.3	2.7	4.5	4.4	5.1	4.3	4.0	4.5
Military Wages	4.158	4.164	4.174	4.166	4.279	4.288	4.297	4.290
% Ch, Annual Rate	9.3	0.6	0.9	-0.7	11.3	0.8	0.8	-0.7
Nonwage Personal Income	181.356	182.099	183.437	185.371	188.172	190.727	193.088	195.623
% Ch, Annual Rate	3.7	1.6	3.0	4.3	6.2	5.5	5.0	5.4
Supplements to Wages and Salaries	44.799	45.162	45.725	46.271	46.934	47.450	47.918	48.412
% Ch, Annual Rate	5.1	3.3	5.1	4.9	5.9	4.5	4.0	4.2
Proprietor's Income	28.244	28.514	28.842	29.302	29.606	30.020	30.274	30.550
% Ch, Annual Rate	2.2	3.9	4.7	6.5	4.2	5.7	3.4	3.7
Farm	1.075	1.041	1.019	1.014	1.018	1.014	1.020	1.036
% Ch, Annual Rate	...	...	...	...	...	...	...	...
Nonfarm	27.168	27.473	27.823	28.288	28.588	29.006	29.254	29.514
% Ch, Annual Rate	2.3	4.6	5.2	6.9	4.3	6.0	3.5	3.6
Less: Contribution For Govt. Soc. Ins.	32.662	32.888	33.243	33.600	34.117	34.470	34.730	35.070
% Ch, Annual Rate	5.8	2.8	4.4	4.4	6.3	4.2	3.0	4.0
Plus: Residence Adjustment	3.660	3.696	3.744	3.791	3.839	3.886	3.932	3.976
% Ch, Annual Rate	4.9	4.0	5.3	5.1	5.1	5.1	4.8	4.5
Dividends/Int./Rent	76.765	76.366	76.401	76.909	78.365	79.477	80.653	82.063
% Ch, Annual Rate	2.5	-2.1	0.2	2.7	7.8	5.8	6.1	7.2
Transfer Payments	60.550	61.249	61.967	62.699	63.545	64.364	65.040	65.691
% Ch, Annual Rate	5.9	4.7	4.8	4.8	5.5	5.3	4.3	4.1
State U.I. Benefits	0.968	0.967	0.953	0.930	0.905	0.891	0.880	0.865
% Ch, Annual Rate	0.0	-0.5	-5.4	-9.5	-10.2	-6.0	-4.8	-6.6
Other Transfers	59.582	60.282	61.014	61.769	62.640	63.473	64.160	64.826
% Ch, Annual Rate	6.0	4.8	4.9	5.0	5.8	5.4	4.4	4.2

Table A3.4 (continued)

Washington Personal Income by Component (Billions of Dollars)

Forecast 2016 to 2021

	2018:1	2018:2	2018:3	2018:4	2019:1	2019:2	2019:3	2019:4
Personal Income	416.756	421.224	424.848	429.399	437.486	442.404	445.724	450.403
% Ch, Annual Rate	8.3	4.4	3.5	4.4	7.7	4.6	3.0	4.3
Total Wage and Salary Disbursements	217.811	219.818	220.962	222.736	227.487	229.677	230.597	232.835
% Ch, Annual Rate	9.5	3.7	2.1	3.3	8.8	3.9	1.6	3.9
Manufacturing	23.248	23.463	23.657	23.870	24.077	24.265	24.472	24.676
% Ch, Annual Rate	3.5	3.7	3.4	3.6	3.5	3.2	3.5	3.4
Durable Manufacturing	18.576	18.748	18.898	19.061	19.218	19.354	19.506	19.656
% Ch, Annual Rate	3.6	3.8	3.2	3.5	3.3	2.9	3.2	3.1
Nondurable Manufacturing	4.673	4.715	4.759	4.809	4.859	4.911	4.966	5.020
% Ch, Annual Rate	3.3	3.7	3.8	4.2	4.3	4.3	4.5	4.4
Nonmanufacturing	186.998	188.747	189.652	191.187	195.575	197.531	198.197	200.200
% Ch, Annual Rate	10.3	3.8	1.9	3.3	9.5	4.1	1.4	4.1
Other Private Wages	1.284	1.293	1.303	1.312	1.323	1.333	1.342	1.352
% Ch, Annual Rate	3.8	3.0	2.9	2.8	3.4	3.0	3.0	2.9
Farm Wages	1.878	1.898	1.918	1.938	1.961	1.982	2.004	2.025
% Ch, Annual Rate	5.3	4.4	4.3	4.2	4.8	4.5	4.4	4.3
Military Wages	4.403	4.417	4.431	4.429	4.551	4.566	4.582	4.581
% Ch, Annual Rate	11.0	1.2	1.3	-0.2	11.4	1.3	1.4	-0.1
Nonwage Personal Income	198.945	201.405	203.885	206.662	209.999	212.727	215.127	217.569
% Ch, Annual Rate	7.0	5.0	5.0	5.6	6.6	5.3	4.6	4.6
Supplements to Wages and Salaries	49.082	49.478	49.880	50.326	51.123	51.577	52.002	52.463
% Ch, Annual Rate	5.7	3.3	3.3	3.6	6.5	3.6	3.3	3.6
Proprietor's Income	30.828	31.153	31.399	31.629	31.903	32.171	32.443	32.746
% Ch, Annual Rate	3.7	4.3	3.2	3.0	3.5	3.4	3.4	3.8
Farm	1.039	1.034	1.034	1.044	1.048	1.048	1.046	1.048
% Ch, Annual Rate	...	...	...	...	...	...	...	...
Nonfarm	29.789	30.118	30.365	30.586	30.855	31.123	31.397	31.698
% Ch, Annual Rate	3.8	4.5	3.3	2.9	3.6	3.5	3.6	3.9
Less: Contribution For Govt. Soc. Ins.	35.812	36.123	36.420	36.756	37.694	38.024	38.340	38.702
% Ch, Annual Rate	8.7	3.5	3.3	3.7	10.6	3.5	3.4	3.8
Plus: Residence Adjustment	4.024	4.072	4.120	4.166	4.214	4.261	4.308	4.355
% Ch, Annual Rate	4.9	4.9	4.8	4.6	4.7	4.5	4.5	4.5
Dividends/Int./Rent	83.756	85.173	86.638	88.378	89.916	91.475	92.692	93.927
% Ch, Annual Rate	8.5	6.9	7.1	8.3	7.1	7.1	5.4	5.4
Transfer Payments	67.067	67.653	68.268	68.919	70.538	71.267	72.021	72.781
% Ch, Annual Rate	8.6	3.5	3.7	3.9	9.7	4.2	4.3	4.3
State U.I. Benefits	0.828	0.809	0.795	0.796	0.792	0.790	0.789	0.790
% Ch, Annual Rate	-16.0	-8.9	-7.0	0.8	-2.0	-1.0	-0.8	0.8
Other Transfers	66.239	66.843	67.473	68.122	69.745	70.477	71.232	71.990
% Ch, Annual Rate	9.0	3.7	3.8	3.9	9.9	4.3	4.4	4.3

Table A3.4 (continued)

Washington Personal Income by Component (Billions of Dollars)

Forecast 2016 to 2021

	2020:1	2020:2	2020:3	2020:4	2021:1	2021:2	2021:3	2021:4
Personal Income	458.431	463.539	467.018	472.063	480.206	485.327	488.954	494.194
% Ch, Annual Rate	7.3	4.5	3.0	4.4	7.1	4.3	3.0	4.4
Total Wage and Salary Disbursements	237.672	240.103	240.979	243.378	248.489	250.924	251.968	254.550
% Ch, Annual Rate	8.6	4.2	1.5	4.0	8.7	4.0	1.7	4.2
Manufacturing	24.915	25.144	25.406	25.668	25.938	26.206	26.478	26.743
% Ch, Annual Rate	3.9	3.7	4.2	4.2	4.3	4.2	4.2	4.1
Durable Manufacturing	19.848	20.030	20.236	20.445	20.661	20.877	21.099	21.315
% Ch, Annual Rate	4.0	3.7	4.2	4.2	4.3	4.2	4.3	4.2
Nondurable Manufacturing	5.067	5.114	5.170	5.223	5.277	5.329	5.379	5.428
% Ch, Annual Rate	3.8	3.7	4.5	4.2	4.2	4.0	3.8	3.7
Nonmanufacturing	204.641	206.795	207.360	209.464	214.143	216.259	216.980	219.261
% Ch, Annual Rate	9.2	4.3	1.1	4.1	9.2	4.0	1.3	4.3
Other Private Wages	1.363	1.374	1.383	1.393	1.405	1.415	1.426	1.437
% Ch, Annual Rate	3.3	3.2	2.8	3.0	3.4	3.0	3.0	3.0
Farm Wages	2.049	2.072	2.093	2.116	2.141	2.164	2.188	2.212
% Ch, Annual Rate	4.7	4.6	4.2	4.4	4.8	4.4	4.5	4.5
Military Wages	4.704	4.719	4.736	4.737	4.863	4.879	4.896	4.897
% Ch, Annual Rate	11.2	1.3	1.5	0.0	11.1	1.4	1.4	0.0
Nonwage Personal Income	220.759	223.436	226.039	228.684	231.717	234.403	236.986	239.645
% Ch, Annual Rate	6.0	4.9	4.7	4.8	5.4	4.7	4.5	4.6
Supplements to Wages and Salaries	53.210	53.690	54.133	54.606	55.362	55.807	56.233	56.704
% Ch, Annual Rate	5.8	3.7	3.3	3.5	5.7	3.3	3.1	3.4
Proprietor's Income	33.149	33.569	33.881	34.234	34.627	35.051	35.407	35.752
% Ch, Annual Rate	5.0	5.2	3.8	4.2	4.7	5.0	4.1	4.0
Farm	1.052	1.054	1.059	1.067	1.075	1.077	1.077	1.079
% Ch, Annual Rate	...	...	...	...	...	...	...	...
Nonfarm	32.097	32.515	32.821	33.166	33.552	33.974	34.330	34.674
% Ch, Annual Rate	5.1	5.3	3.8	4.3	4.7	5.1	4.3	4.1
Less: Contribution For Govt. Soc. Ins.	39.575	39.934	40.249	40.629	41.546	41.900	42.246	42.648
% Ch, Annual Rate	9.3	3.7	3.2	3.8	9.3	3.4	3.3	3.9
Plus: Residence Adjustment	4.404	4.451	4.498	4.545	4.595	4.644	4.693	4.743
% Ch, Annual Rate	4.6	4.3	4.3	4.2	4.5	4.3	4.3	4.3
Dividends/Int./Rent	95.163	96.509	97.854	99.129	100.370	101.626	102.830	104.074
% Ch, Annual Rate	5.4	5.8	5.7	5.3	5.1	5.1	4.8	4.9
Transfer Payments	74.408	75.151	75.921	76.800	78.310	79.176	80.068	81.020
% Ch, Annual Rate	9.2	4.1	4.2	4.7	8.1	4.5	4.6	4.8
State U.I. Benefits	0.789	0.781	0.786	0.787	0.787	0.786	0.783	0.774
% Ch, Annual Rate	-0.6	-4.0	2.4	0.8	-0.3	-0.2	-1.8	-4.7
Other Transfers	73.619	74.370	75.135	76.013	77.523	78.389	79.285	80.246
% Ch, Annual Rate	9.4	4.1	4.2	4.8	8.2	4.5	4.7	4.9