



# **ECONOMIC FORECAST**

## Calendar Year Summary Tables

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Final  
***September 26, 2018***

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Table A1.1  
**U.S. Economic Forecast Summary**  
Forecast 2018 to 2023

	2016	2017	2018	2019	2020	2021	2022	2023
<b>Real National Income Accounts (Billions of Chained 2012 Dollars)</b>								
Real Gross Domestic Product	17,659.2	18,050.7	18,574.9	19,059.9	19,420.9	19,798.8	20,208.0	20,623.4
% Ch	1.6	2.2	2.9	2.6	1.9	1.9	2.1	2.1
Real Consumption	12,248.2	12,558.7	12,877.7	13,198.9	13,457.1	13,732.2	14,025.4	14,328.7
% Ch	2.7	2.5	2.5	2.5	2.0	2.0	2.1	2.2
Real Nonresidential Fixed Investment	2,411.2	2,538.1	2,721.0	2,850.1	2,965.8	3,091.6	3,211.1	3,313.9
% Ch	0.5	5.3	7.2	4.7	4.1	4.2	3.9	3.2
Real Residential Fixed Investment	591.3	611.1	613.8	629.8	658.7	678.2	694.7	705.2
% Ch	6.5	3.3	0.5	2.6	4.6	2.9	2.4	1.5
Real Personal Income	15,469.7	15,866.8	16,235.8	16,661.9	17,075.2	17,482.7	17,912.6	18,341.9
% Ch	1.5	2.6	2.3	2.6	2.5	2.4	2.5	2.4
Real Per Capita Income (\$/Person)	47,752	48,630	49,410	50,340	51,225	52,082	52,996	53,899
% Ch	0.8	1.8	1.6	1.9	1.8	1.7	1.8	1.7
<b>Price and Wage Indexes</b>								
PCE Price Index (2012=100)	104.2	106.1	108.3	110.5	112.8	114.9	117.1	119.3
% Ch	1.1	1.8	2.1	2.0	2.0	1.9	1.9	1.9
U.S. Consumer Price Index (1982-84=1.0)	2.400	2.451	2.515	2.571	2.627	2.680	2.734	2.789
% Ch	1.3	2.1	2.6	2.2	2.2	2.0	2.0	2.0
Employment Cost Index (Dec. 2005=1.0)	1.262	1.295	1.335	1.380	1.427	1.477	1.532	1.589
% Ch	2.4	2.6	3.1	3.4	3.4	3.6	3.7	3.7
<b>Current Dollar National Income (Billions of Dollars)</b>								
Gross Domestic Product	18,707.2	19,485.4	20,509.4	21,520.1	22,438.6	23,396.9	24,403.9	25,435.6
% Ch	2.7	4.2	5.3	4.9	4.3	4.3	4.3	4.2
Personal Income	16,125.1	16,830.9	17,588.0	18,416.2	19,255.2	20,094.8	20,977.5	21,886.4
% Ch	2.6	4.4	4.5	4.7	4.6	4.4	4.4	4.3
<b>Employment (Millions)</b>								
U.S. Civilian Labor Force	159.2	160.3	162.1	163.6	165.3	166.4	167.5	168.4
Total U.S. Employment	151.4	153.3	155.8	158.0	159.3	160.2	161.1	161.8
Unemployment Rate (%)	4.87	4.35	3.84	3.46	3.60	3.74	3.81	3.91
Nonfarm Payroll Employment	144.35	146.62	149.06	151.24	152.63	153.53	154.50	155.31
% Ch	1.8	1.6	1.7	1.5	0.9	0.6	0.6	0.5
Manufacturing	12.35	12.44	12.74	12.92	12.84	12.73	12.67	12.67
% Ch	0.1	0.7	2.4	1.4	-0.6	-0.9	-0.4	0.0
Durable Manufacturing	7.71	7.74	7.97	8.12	8.07	7.99	7.95	7.96
% Ch	-0.7	0.3	3.0	1.8	-0.6	-1.0	-0.4	0.1
Nondurable Manufacturing	4.64	4.71	4.77	4.80	4.77	4.74	4.72	4.71
% Ch	1.5	1.4	1.3	0.7	-0.6	-0.7	-0.4	-0.2
Construction	6.73	6.95	7.23	7.46	7.79	8.10	8.38	8.63
% Ch	4.1	3.4	4.0	3.2	4.4	4.1	3.4	3.0
Service-Providing	124.60	126.55	128.36	130.11	131.22	131.91	132.66	133.22
% Ch	2.0	1.6	1.4	1.4	0.9	0.5	0.6	0.4
<b>Miscellaneous Indicators</b>								
Oil-WTI (\$ per barrel)	43.2	51.0	67.1	67.1	63.8	60.7	58.3	56.7
Personal Saving/Disposable Income (%)	6.7	6.7	6.8	6.9	7.4	7.6	7.8	7.8
Auto Sales (Millions)	6.9	6.1	5.2	4.9	4.8	4.8	4.9	5.0
% Ch	-8.6	-11.5	-14.5	-5.4	-1.4	-0.1	1.0	2.5
Housing Starts (Millions)	1.177	1.208	1.276	1.370	1.445	1.458	1.473	1.477
% Ch	6.4	2.6	5.6	7.4	5.4	0.9	1.0	0.3
Federal Budget Surplus (Billions)	-665.1	-695.4	-986.4	-1,071.8	-1,167.6	-1,232.8	-1,270.2	-1,281.6
Net Exports (Billions)	-520.6	-578.4	-622.3	-699.2	-717.6	-694.3	-668.3	-619.3
3-Month Treasury Bill Rate (%)	0.32	0.93	1.97	2.75	3.14	3.16	3.15	3.01
10-Year Treasury Note Yield (%)	1.84	2.33	2.90	3.24	3.46	3.48	3.45	3.41
Bond Index of 20 G.O. Munis. (%)	3.27	3.67	3.87	4.19	4.39	4.43	4.41	4.36
30-Year Fixed Mortgage Rate (%)	3.65	3.99	4.51	4.90	5.14	5.15	5.13	5.08

Table A1.2  
**U.S. Economic Forecast Summary**  
Forecast 2018 to 2023

	2018:1	2018:2	2018:3	2018:4	2019:1	2019:2	2019:3	2019:4
<b>Real National Income Accounts (Billions of Chained 2012 Dollars)</b>								
Real Gross Domestic Product	18,324.0	18,514.6	18,664.6	18,796.3	18,904.8	19,017.3	19,115.1	19,202.6
% Ch , Annual Rate	2.2	4.2	3.3	2.9	2.3	2.4	2.1	1.8
Real Consumption	12,722.8	12,841.2	12,930.9	13,016.0	13,093.3	13,169.0	13,236.8	13,296.7
% Ch , Annual Rate	0.5	3.8	2.8	2.7	2.4	2.3	2.1	1.8
Real Nonresidential Fixed Investment	2,654.0	2,708.9	2,739.4	2,781.7	2,805.8	2,835.5	2,865.1	2,894.0
% Ch , Annual Rate	11.5	8.5	4.6	6.3	3.5	4.3	4.2	4.1
Real Residential Fixed Investment	615.3	612.8	612.4	614.9	617.5	624.0	633.9	643.9
% Ch , Annual Rate	-3.4	-1.6	-0.3	1.6	1.7	4.3	6.5	6.5
Real Personal Income	16,107.2	16,197.3	16,280.7	16,358.1	16,500.8	16,609.3	16,717.3	16,820.3
% Ch , Annual Rate	2.6	2.3	2.1	1.9	3.5	2.7	2.6	2.5
Real Per Capita Income (\$/Person)	49,157	49,344	49,497	49,643	49,986	50,226	50,463	50,684
% Ch , Annual Rate	2.0	1.5	1.2	1.2	2.8	1.9	1.9	1.8
<b>Price and Wage Indexes</b>								
PCE Price Index (2012=100)	107.5	108.0	108.6	109.2	109.7	110.2	110.8	111.4
% Ch , Annual Rate	2.5	1.9	2.1	2.2	2.0	2.0	2.0	2.0
U.S. Consumer Price Index (1982-84=1.0)	2.494	2.505	2.522	2.538	2.552	2.565	2.577	2.591
% Ch , Annual Rate	3.5	1.7	2.7	2.6	2.2	2.0	1.9	2.2
Employment Cost Index (Dec. 2005=1.0)	1.320	1.328	1.340	1.352	1.363	1.374	1.385	1.397
% Ch , Annual Rate	4.0	2.4	3.7	3.6	3.3	3.3	3.3	3.4
<b>Current Dollar National Income (Billions of Dollars)</b>								
Gross Domestic Product	20,041.0	20,411.9	20,658.0	20,926.5	21,155.4	21,403.3	21,646.2	21,875.6
% Ch , Annual Rate	4.3	7.6	4.9	5.3	4.4	4.8	4.6	4.3
Personal Income	17,319.2	17,497.6	17,678.1	17,857.1	18,102.3	18,311.4	18,521.4	18,729.7
% Ch , Annual Rate	5.2	4.2	4.2	4.1	5.6	4.7	4.7	4.6
<b>Employment (Millions)</b>								
U.S. Civilian Labor Force	161.6	161.7	162.3	162.6	163.0	163.4	163.8	164.2
Total U.S. Employment	154.9	155.4	156.2	156.8	157.3	157.8	158.2	158.5
Unemployment Rate (%)	4.10	3.90	3.77	3.58	3.49	3.44	3.43	3.46
Nonfarm Payroll Employment	148.07	148.72	149.40	150.05	150.58	151.07	151.49	151.82
% Ch , Annual Rate	1.7	1.8	1.9	1.7	1.4	1.3	1.1	0.9
Manufacturing	12.61	12.68	12.79	12.89	12.92	12.93	12.89	12.93
% Ch , Annual Rate	2.7	2.5	3.2	3.3	1.0	0.2	-1.0	1.1
Durable Manufacturing	7.86	7.92	8.01	8.10	8.11	8.12	8.10	8.13
% Ch , Annual Rate	3.6	3.2	4.5	4.2	0.8	0.6	-1.3	1.7
Nondurable Manufacturing	4.74	4.76	4.77	4.79	4.81	4.80	4.80	4.80
% Ch , Annual Rate	1.2	1.4	1.2	1.6	1.3	-0.6	-0.5	0.0
Construction	7.14	7.20	7.26	7.31	7.36	7.42	7.48	7.57
% Ch , Annual Rate	6.6	3.4	3.2	2.8	2.8	2.9	3.8	4.7
Service-Providing	127.61	128.09	128.62	129.11	129.56	129.98	130.35	130.56
% Ch , Annual Rate	1.3	1.5	1.7	1.5	1.4	1.3	1.1	0.6
<b>Miscellaneous Indicators</b>								
Oil-WTI (\$ per barrel)	62.9	68.0	69.2	68.5	68.1	67.5	66.7	65.9
Personal Saving/Disposable Income (%)	7.2	6.8	6.7	6.5	6.8	6.9	7.0	7.1
Auto Sales (Millions)	5.4	5.3	5.0	5.0	5.0	4.9	4.9	4.9
% Ch , Annual Rate	-32.0	-8.8	-20.6	0.1	-5.2	-2.4	-1.8	-0.9
Housing Starts (Millions)	1.317	1.254	1.239	1.294	1.326	1.357	1.385	1.412
% Ch , Annual Rate	19.6	-17.7	-4.8	18.8	10.5	9.6	8.7	8.0
Federal Budget Surplus (Billions)	-969.9	-984.5	-993.3	-997.8	-1,049.2	-1,062.8	-1,077.4	-1,098.0
Net Exports (Billions)	-639.2	-551.9	-630.7	-667.3	-695.6	-703.3	-699.6	-698.4
3-Month Treasury Bill Rate (%)	1.56	1.84	2.11	2.37	2.50	2.66	2.84	3.00
10-Year Treasury Note Yield (%)	2.76	2.92	2.91	3.02	3.12	3.21	3.29	3.35
Bond Index of 20 G.O. Munis. (%)	3.73	3.89	3.87	4.00	4.09	4.17	4.22	4.28
30-Year Fixed Mortgage Rate (%)	4.27	4.54	4.56	4.68	4.77	4.86	4.95	5.03

Table A1.2 (continued)  
**U.S. Economic Forecast Summary**  
Forecast 2018 to 2023

	2020:1	2020:2	2020:3	2020:4	2021:1	2021:2	2021:3	2021:4
<b>Real National Income Accounts (Billions of Chained 2012 Dollars)</b>								
Real Gross Domestic Product	19,289.9	19,382.3	19,462.1	19,549.2	19,649.8	19,747.4	19,847.2	19,950.8
% Ch , Annual Rate	1.8	1.9	1.7	1.8	2.1	2.0	2.0	2.1
Real Consumption	13,360.0	13,423.5	13,489.2	13,555.6	13,625.3	13,695.0	13,766.9	13,841.7
% Ch , Annual Rate	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.2
Real Nonresidential Fixed Investment	2,922.0	2,947.8	2,981.2	3,012.2	3,045.1	3,076.5	3,107.1	3,137.8
% Ch , Annual Rate	3.9	3.6	4.6	4.2	4.4	4.2	4.0	4.0
Real Residential Fixed Investment	650.5	655.5	660.7	668.2	673.3	675.8	679.0	684.5
% Ch , Annual Rate	4.2	3.1	3.2	4.6	3.1	1.5	1.9	3.3
Real Personal Income	16,935.7	17,036.9	17,118.8	17,209.4	17,327.7	17,429.6	17,533.4	17,640.1
% Ch , Annual Rate	2.8	2.4	1.9	2.1	2.8	2.4	2.4	2.5
Real Per Capita Income (\$/Person)	50,941	51,155	51,311	51,492	51,756	51,969	52,188	52,415
% Ch , Annual Rate	2.0	1.7	1.2	1.4	2.1	1.7	1.7	1.7
<b>Price and Wage Indexes</b>								
PCE Price Index (2012=100)	112.0	112.5	113.0	113.6	114.1	114.7	115.2	115.8
% Ch , Annual Rate	2.2	2.0	2.0	1.9	1.9	1.9	1.9	1.9
U.S. Consumer Price Index (1982-84=1.0)	2.608	2.621	2.634	2.646	2.660	2.674	2.687	2.701
% Ch , Annual Rate	2.7	2.0	2.0	1.9	2.1	2.0	2.0	2.0
Employment Cost Index (Dec. 2005=1.0)	1.408	1.420	1.433	1.445	1.458	1.471	1.484	1.497
% Ch , Annual Rate	3.4	3.5	3.5	3.5	3.6	3.6	3.6	3.6
<b>Current Dollar National Income (Billions of Dollars)</b>								
Gross Domestic Product	22,095.7	22,324.9	22,549.4	22,784.2	23,028.3	23,270.5	23,518.2	23,770.7
% Ch , Annual Rate	4.1	4.2	4.1	4.2	4.4	4.3	4.3	4.4
Personal Income	18,959.5	19,165.3	19,351.0	19,544.8	19,774.3	19,985.5	20,200.1	20,419.2
% Ch , Annual Rate	5.0	4.4	3.9	4.1	4.8	4.3	4.4	4.4
<b>Employment (Millions)</b>								
U.S. Civilian Labor Force	164.7	165.3	165.4	165.7	166.0	166.3	166.6	166.8
Total U.S. Employment	158.9	159.4	159.4	159.6	159.8	160.1	160.3	160.5
Unemployment Rate (%)	3.51	3.57	3.63	3.68	3.71	3.73	3.75	3.77
Nonfarm Payroll Employment	152.17	152.69	152.75	152.89	153.15	153.41	153.65	153.90
% Ch , Annual Rate	0.9	1.4	0.2	0.4	0.7	0.7	0.6	0.6
Manufacturing	12.90	12.86	12.82	12.79	12.76	12.73	12.72	12.70
% Ch , Annual Rate	-0.8	-1.4	-1.1	-1.2	-1.0	-0.7	-0.3	-0.6
Durable Manufacturing	8.11	8.08	8.06	8.03	8.01	7.99	7.98	7.97
% Ch , Annual Rate	-1.0	-1.6	-1.2	-1.3	-1.2	-0.8	-0.2	-0.6
Nondurable Manufacturing	4.79	4.78	4.77	4.76	4.75	4.74	4.74	4.73
% Ch , Annual Rate	-0.5	-0.9	-0.9	-0.9	-0.7	-0.5	-0.4	-0.6
Construction	7.66	7.74	7.83	7.92	8.00	8.07	8.14	8.21
% Ch , Annual Rate	4.8	4.4	4.4	4.6	4.3	3.6	3.3	3.5
Service-Providing	130.84	131.32	131.32	131.41	131.61	131.83	132.01	132.21
% Ch , Annual Rate	0.9	1.5	0.0	0.3	0.6	0.6	0.6	0.6
<b>Miscellaneous Indicators</b>								
Oil-WTI (\$ per barrel)	65.0	64.2	63.4	62.6	61.8	61.0	60.3	59.6
Personal Saving/Disposable Income (%)	7.3	7.4	7.4	7.4	7.6	7.6	7.6	7.7
Auto Sales (Millions)	4.9	4.9	4.8	4.8	4.8	4.8	4.8	4.9
% Ch , Annual Rate	-1.8	-1.1	-0.7	-1.1	0.1	0.4	0.8	0.8
Housing Starts (Millions)	1.430	1.438	1.453	1.457	1.456	1.453	1.458	1.463
% Ch , Annual Rate	5.1	2.3	4.0	1.3	-0.3	-0.7	1.2	1.4
Federal Budget Surplus (Billions)	-1,136.9	-1,166.3	-1,177.5	-1,189.6	-1,217.7	-1,228.4	-1,237.8	-1,247.3
Net Exports (Billions)	-716.2	-721.7	-720.0	-712.4	-705.2	-697.5	-690.0	-684.4
3-Month Treasury Bill Rate (%)	3.00	3.19	3.18	3.17	3.17	3.16	3.16	3.15
10-Year Treasury Note Yield (%)	3.41	3.46	3.48	3.48	3.48	3.49	3.49	3.48
Bond Index of 20 G.O. Munis. (%)	4.33	4.39	4.41	4.42	4.42	4.44	4.44	4.43
30-Year Fixed Mortgage Rate (%)	5.09	5.16	5.17	5.16	5.16	5.16	5.16	5.15

Table A1.2 (continued)  
**U.S. Economic Forecast Summary**  
Forecast 2018 to 2023

	2022:1	2022:2	2022:3	2022:4	2023:1	2023:2	2023:3	2023:4
<b>Real National Income Accounts (Billions of Chained 2012 Dollars)</b>								
Real Gross Domestic Product	20,051.2	20,154.7	20,261.4	20,364.8	20,474.1	20,577.3	20,673.7	20,768.6
% Ch , Annual Rate	2.0	2.1	2.1	2.1	2.2	2.0	1.9	1.8
Real Consumption	13,914.3	13,987.3	14,061.8	14,138.3	14,218.2	14,294.4	14,366.6	14,435.8
% Ch , Annual Rate	2.1	2.1	2.1	2.2	2.3	2.2	2.0	1.9
Real Nonresidential Fixed Investment	3,167.5	3,197.1	3,226.5	3,253.5	3,279.6	3,303.6	3,325.7	3,346.8
% Ch , Annual Rate	3.8	3.8	3.7	3.4	3.3	3.0	2.7	2.6
Real Residential Fixed Investment	688.9	693.0	697.0	699.9	702.8	705.2	705.9	706.9
% Ch , Annual Rate	2.6	2.4	2.3	1.7	1.6	1.4	0.4	0.6
Real Personal Income	17,759.1	17,862.4	17,964.2	18,064.7	18,188.0	18,293.6	18,393.1	18,493.1
% Ch , Annual Rate	2.7	2.3	2.3	2.3	2.8	2.3	2.2	2.2
Real Per Capita Income (\$/Person)	52,677	52,893	53,104	53,310	53,583	53,803	54,005	54,207
% Ch , Annual Rate	2.0	1.6	1.6	1.6	2.1	1.7	1.5	1.5
<b>Price and Wage Indexes</b>								
PCE Price Index (2012=100)	116.3	116.8	117.4	117.9	118.5	119.0	119.6	120.2
% Ch , Annual Rate	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.9
U.S. Consumer Price Index (1982-84=1.0)	2.714	2.727	2.741	2.755	2.769	2.782	2.796	2.810
% Ch , Annual Rate	2.0	1.9	2.1	2.0	2.0	1.9	2.0	2.0
Employment Cost Index (Dec. 2005=1.0)	1.511	1.525	1.539	1.553	1.568	1.582	1.596	1.611
% Ch , Annual Rate	3.8	3.7	3.7	3.8	3.8	3.7	3.7	3.7
<b>Current Dollar National Income (Billions of Dollars)</b>								
Gross Domestic Product	24,019.8	24,273.1	24,533.6	24,789.3	25,053.5	25,310.8	25,563.2	25,815.1
% Ch , Annual Rate	4.3	4.3	4.4	4.2	4.3	4.2	4.0	4.0
Personal Income	20,652.6	20,867.5	21,086.4	21,303.5	21,550.1	21,775.2	21,997.9	22,222.3
% Ch , Annual Rate	4.7	4.2	4.3	4.2	4.7	4.2	4.2	4.1
<b>Employment (Millions)</b>								
U.S. Civilian Labor Force	167.1	167.3	167.6	167.8	168.1	168.3	168.5	168.7
Total U.S. Employment	160.8	161.0	161.2	161.4	161.6	161.8	161.9	162.0
Unemployment Rate (%)	3.78	3.80	3.81	3.83	3.86	3.89	3.93	3.98
Nonfarm Payroll Employment	154.14	154.38	154.62	154.84	155.06	155.25	155.41	155.54
% Ch, Annual Rate	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.4
Manufacturing	12.69	12.67	12.67	12.67	12.67	12.67	12.68	12.68
% Ch, Annual Rate	-0.5	-0.5	-0.1	0.0	0.0	0.1	0.3	-0.1
Durable Manufacturing	7.96	7.95	7.95	7.95	7.95	7.96	7.97	7.97
% Ch, Annual Rate	-0.6	-0.6	-0.1	0.1	0.1	0.3	0.5	0.0
Nondurable Manufacturing	4.73	4.72	4.72	4.72	4.72	4.72	4.71	4.71
% Ch, Annual Rate	-0.4	-0.4	-0.2	-0.1	-0.2	-0.1	-0.1	-0.3
Construction	8.28	8.34	8.41	8.48	8.54	8.61	8.66	8.72
% Ch, Annual Rate	3.4	3.3	3.3	3.1	3.1	3.0	2.7	2.5
Service-Providing	132.40	132.58	132.75	132.91	133.06	133.19	133.28	133.36
% Ch, Annual Rate	0.6	0.5	0.5	0.5	0.5	0.4	0.3	0.3
<b>Miscellaneous Indicators</b>								
Oil-WTI (\$ per barrel)	59.0	58.5	58.0	57.6	57.2	56.8	56.5	56.3
Personal Saving/Disposable Income (%)	7.8	7.8	7.8	7.7	7.8	7.8	7.8	7.8
Auto Sales (Millions)	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.1
% Ch, Annual Rate	0.8	0.8	1.3	3.1	3.0	2.5	3.3	2.2
Housing Starts (Millions)	1.469	1.473	1.474	1.475	1.477	1.479	1.478	1.476
% Ch, Annual Rate	1.6	1.2	0.2	0.4	0.4	0.5	-0.1	-0.6
Federal Budget Surplus (Billions)	-1,267.7	-1,270.4	-1,271.9	-1,270.9	-1,282.3	-1,281.0	-1,279.3	-1,283.8
Net Exports (Billions)	-680.2	-673.7	-665.4	-653.9	-639.1	-624.8	-612.0	-601.4
3-Month Treasury Bill Rate (%)	3.15	3.15	3.15	3.14	3.14	3.12	2.90	2.90
10-Year Treasury Note Yield (%)	3.47	3.46	3.45	3.44	3.43	3.42	3.40	3.39
Bond Index of 20 G.O. Munis. (%)	4.41	4.41	4.41	4.40	4.37	4.37	4.35	4.34
30-Year Fixed Mortgage Rate (%)	5.14	5.13	5.13	5.12	5.10	5.09	5.06	5.05

Table A1.3  
**Washington Economic Forecast Summary**  
Forecast 2018 to 2023

	2016	2017	2018	2019	2020	2021	2022	2023
<b>Real Income (Billions of Chained 2012 Dollars)</b>								
Real Personal Income	381.614	395.916	413.391	426.096	438.844	451.278	464.332	477.250
% Ch	3.6	3.7	4.4	3.1	3.0	2.8	2.9	2.8
Real Wage and Salary Disb.	195.342	206.200	219.944	225.763	232.203	238.787	246.004	253.292
% Ch	5.0	5.6	6.7	2.6	2.9	2.8	3.0	3.0
Real Nonwage Income	186.272	189.717	193.447	200.332	206.642	212.491	218.328	223.957
% Ch	2.1	1.8	2.0	3.6	3.1	2.8	2.7	2.6
Real Per Capita Income (\$/Person)	52,409	53,453	54,895	55,702	56,547	57,405	58,377	59,356
% Ch	1.8	2.0	2.7	1.5	1.5	1.5	1.7	1.7
<b>Price and Wage Indexes</b>								
U.S. Implicit Price Deflator, PCE (2012=1.0)	1.042	1.061	1.083	1.105	1.128	1.149	1.171	1.193
% Ch	1.1	1.8	2.1	2.0	2.0	1.9	1.9	1.9
Seattle Cons. Price Index (1982-84=1.0)	2.550	2.627	2.707	2.767	2.831	2.893	2.956	3.020
% Ch	2.3	3.0	3.0	2.2	2.3	2.2	2.2	2.2
Average Nonfarm Annual Wage	60,556	63,619	67,443	69,202	71,652	74,424	77,447	80,715
% Ch	3.0	5.1	6.0	2.6	3.5	3.9	4.1	4.2
Avg. Hourly Earnings-Mfg. (\$/Hour)	26.42	27.38	28.36	29.26	30.17	31.15	32.23	33.35
% Ch	3.5	3.6	3.6	3.2	3.1	3.3	3.4	3.5
<b>Current Dollar Income (Billions of Dollars)</b>								
Personal Income	397.772	419.962	447.811	470.962	494.875	518.707	543.784	569.477
% Ch	4.7	5.6	6.6	5.2	5.1	4.8	4.8	4.7
Disposable Personal Income	349.564	369.195	395.510	416.137	437.431	458.289	479.687	501.456
% Ch	4.9	5.6	7.1	5.2	5.1	4.8	4.7	4.5
Per Capita Income (\$/Person)	54,627	56,698	59,464	61,565	63,766	65,981	68,364	70,826
% Ch	2.9	3.8	4.9	3.5	3.6	3.5	3.6	3.6
<b>Employment (Thousands)</b>								
Washington Civilian Labor Force	3,635.7	3,723.3	3,770.2	3,835.4	3,906.1	3,962.2	4,011.9	4,055.8
Total Washington Employment	3,444.0	3,546.3	3,596.8	3,675.7	3,741.2	3,791.9	3,838.8	3,877.5
Unemployment Rate (%)	5.28	4.76	4.60	4.17	4.22	4.30	4.32	4.40
Nonfarm Payroll Employment	3,244.5	3,322.4	3,419.4	3,491.2	3,539.2	3,572.5	3,604.6	3,629.6
% Ch	3.1	2.4	2.9	2.1	1.4	0.9	0.9	0.7
Manufacturing	290.0	283.8	286.6	290.5	290.7	290.5	292.3	295.1
% Ch	-0.7	-2.1	1.0	1.4	0.0	-0.1	0.6	0.9
Durable Manufacturing	207.6	200.1	200.7	203.7	203.8	203.5	204.9	206.9
% Ch	-1.7	-3.6	0.3	1.5	0.0	-0.1	0.7	1.0
Aerospace	91.0	84.1	83.1	83.9	83.9	83.9	83.9	83.9
% Ch	-3.2	-7.6	-1.1	0.9	0.0	0.0	0.0	0.0
Nondurable Manufacturing	82.4	83.7	85.8	86.9	86.9	87.0	87.5	88.2
% Ch	2.1	1.5	2.6	1.2	0.0	0.1	0.5	0.8
Construction	186.6	199.7	211.4	213.1	213.1	212.1	211.4	210.0
% Ch	7.7	7.0	5.9	0.8	0.0	-0.5	-0.3	-0.7
Service-Providing	2,761.6	2,832.8	2,915.1	2,980.9	3,028.8	3,063.2	3,094.2	3,117.8
% Ch	3.2	2.6	2.9	2.3	1.6	1.1	1.0	0.8
Software Publishers	58.9	61.3	64.8	66.3	67.3	68.4	69.5	70.8
% Ch	5.3	4.1	5.7	2.4	1.4	1.6	1.7	1.8
Electronic Shopping and Mail-Order	38.2	49.7	55.1	58.4	61.4	63.8	65.7	67.3
% Ch	26.6	30.1	10.9	5.9	5.2	3.8	3.0	2.5
<b>Housing Indicators (Thousands)</b>								
Housing Units Authorized by Bldg. Permit	44.077	45.794	43.848	43.843	44.177	43.040	42.023	41.136
% Ch	9.2	3.9	-4.2	0.0	0.8	-2.6	-2.4	-2.1
Single-Family	22.463	23.115	23.623	24.675	25.990	26.174	26.324	26.234
% Ch	13.5	2.9	2.2	4.5	5.3	0.7	0.6	-0.3
Multi-Family	21.614	22.679	20.225	19.168	18.187	16.866	15.698	14.902
% Ch	5.0	4.9	-10.8	-5.2	-5.1	-7.3	-6.9	-5.1
30-Year Fixed Mortgage Rate (%)	3.65	3.99	4.51	4.90	5.14	5.15	5.13	5.08

Table A1.4  
**Washington Economic Forecast Summary**  
Forecast 2018 to 2023

	2018:1	2018:2	2018:3	2018:4	2019:1	2019:2	2019:3	2019:4
<b>Real Income (Billions of Chained 2012 Dollars)</b>								
Real Personal Income	410.933	411.240	414.447	416.945	421.094	424.532	427.810	430.948
% Ch, Annual Rate	10.4	0.3	3.2	2.4	4.0	3.3	3.1	3.0
Real Wage and Salary Disb.	219.133	218.258	220.417	221.967	223.439	225.054	226.542	228.018
% Ch, Annual Rate	20.1	-1.6	4.0	2.8	2.7	2.9	2.7	2.6
Real Nonwage Income	191.799	192.982	194.030	194.978	197.654	199.478	201.268	202.930
% Ch, Annual Rate	0.4	2.5	2.2	2.0	5.6	3.7	3.6	3.3
Real Per Capita Income (\$/Person)	54,900	54,727	54,920	55,034	55,364	55,602	55,820	56,021
% Ch, Annual Rate	8.6	-1.3	1.4	0.8	2.4	1.7	1.6	1.5
<b>Price and Wage Indexes</b>								
U.S. Implicit Price Deflator, PCE (2012=1.0)	1.075	1.080	1.086	1.092	1.097	1.102	1.108	1.114
% Ch, Annual Rate	2.5	1.9	2.1	2.2	2.0	2.0	2.0	2.0
Seattle Cons. Price Index (1982-84=1.0)	2.689	2.703	2.708	2.727	2.744	2.759	2.774	2.790
% Ch, Annual Rate	4.2	2.1	0.7	2.8	2.5	2.3	2.2	2.3
Average Nonfarm Annual Wage	67,346	66,969	67,490	67,966	68,405	68,921	69,452	70,028
% Ch, Annual Rate	18.4	-2.2	3.1	2.9	2.6	3.0	3.1	3.4
Avg. Hourly Earnings-Mfg. (\$/Hour)	27.90	28.35	28.49	28.72	28.93	29.15	29.36	29.59
% Ch, Annual Rate	0.5	6.5	2.0	3.3	3.0	3.0	3.0	3.1
<b>Current Dollar Income (Billions of Dollars)</b>								
Personal Income	441.835	444.239	450.018	455.152	461.965	468.039	473.979	479.866
% Ch, Annual Rate	13.1	2.2	5.3	4.6	6.1	5.4	5.2	5.1
Disposable Personal Income	390.047	392.381	397.592	402.018	408.170	413.542	418.794	424.042
% Ch, Annual Rate	15.1	2.4	5.4	4.5	6.3	5.4	5.2	5.1
Per Capita Income (\$/Person)	59,029	59,118	59,634	60,077	60,738	61,300	61,843	62,380
% Ch, Annual Rate	11.3	0.6	3.5	3.0	4.5	3.8	3.6	3.5
<b>Employment (Thousands)</b>								
Washington Civilian Labor Force	3,759.5	3,760.4	3,771.4	3,789.3	3,807.8	3,826.5	3,844.7	3,862.5
Total Washington Employment	3,581.6	3,582.6	3,598.9	3,624.2	3,646.5	3,667.4	3,686.0	3,702.8
Unemployment Rate (%)	4.73	4.73	4.57	4.36	4.24	4.16	4.13	4.14
Nonfarm Payroll Employment	3,385.9	3,407.3	3,432.8	3,451.8	3,469.0	3,485.4	3,499.1	3,511.1
% Ch, Annual Rate	4.4	2.5	3.0	2.2	2.0	1.9	1.6	1.4
Manufacturing	284.1	285.5	287.4	289.3	290.3	290.5	290.3	291.0
% Ch, Annual Rate	2.8	2.0	2.7	2.7	1.4	0.4	-0.3	1.0
Durable Manufacturing	198.8	199.9	201.4	202.8	203.4	203.7	203.5	204.1
% Ch, Annual Rate	1.6	2.3	2.9	2.9	1.2	0.6	-0.5	1.2
Aerospace	81.9	82.7	83.9	83.9	83.9	83.9	83.9	83.9
% Ch, Annual Rate	2.2	3.9	5.8	0.0	0.0	0.0	0.0	0.0
Nondurable Manufacturing	85.3	85.6	86.0	86.5	86.8	86.8	86.8	87.0
% Ch, Annual Rate	5.6	1.1	2.1	2.2	1.8	-0.1	0.0	0.7
Construction	208.8	211.6	212.4	212.8	213.0	213.3	213.0	213.2
% Ch, Annual Rate	8.7	5.6	1.5	0.7	0.5	0.4	-0.5	0.4
Service-Providing	2,886.8	2,903.7	2,926.5	2,943.2	2,959.2	2,975.1	2,989.2	3,000.2
% Ch, Annual Rate	4.3	2.4	3.2	2.3	2.2	2.2	1.9	1.5
Software Publishers	63.2	64.6	65.6	65.8	66.0	66.2	66.5	66.7
% Ch, Annual Rate	6.1	9.1	6.5	1.1	1.0	1.5	1.4	1.5
Electronic Shopping and Mail-Order	54.8	54.9	54.8	56.0	57.0	58.0	58.9	59.7
% Ch, Annual Rate	10.0	0.3	-0.2	8.6	7.7	6.9	6.2	5.6
<b>Housing Indicators (Thousands)</b>								
Housing Units Authorized by Bldg. Permit	49.173	43.245	40.131	42.845	43.310	43.755	44.042	44.265
% Ch, Annual Rate	-18.1	-40.2	-25.8	29.9	4.4	4.2	2.6	2.0
Single-Family	24.952	23.013	22.952	23.577	23.964	24.448	24.913	25.375
% Ch, Annual Rate	4.2	-27.6	-1.0	11.3	6.7	8.3	7.8	7.6
Multi-Family	24.221	20.233	17.178	19.269	19.346	19.307	19.129	18.889
% Ch, Annual Rate	-35.2	-51.3	-48.0	58.3	1.6	-0.8	-3.6	-4.9
30-Year Fixed Mortgage Rate (%)	4.27	4.54	4.56	4.68	4.77	4.86	4.95	5.03



Table A1.4 (continued)  
**Washington Economic Forecast Summary**  
Forecast 2018 to 2023

	2020:1	2020:2	2020:3	2020:4	2021:1	2021:2	2021:3	2021:4
<b>Real Income (Billions of Chained 2012 Dollars)</b>								
Real Personal Income	434.392	437.728	440.207	443.051	446.573	449.671	452.829	456.038
% Ch, Annual Rate	3.2	3.1	2.3	2.6	3.2	2.8	2.8	2.9
Real Wage and Salary Disb.	229.652	231.686	232.963	234.510	236.223	237.901	239.635	241.390
% Ch, Annual Rate	2.9	3.6	2.2	2.7	3.0	2.9	2.9	3.0
Real Nonwage Income	204.740	206.042	207.244	208.541	210.351	211.770	213.194	214.649
% Ch, Annual Rate	3.6	2.6	2.4	2.5	3.5	2.7	2.7	2.8
Real Per Capita Income (\$/Person)	56,265	56,498	56,625	56,802	57,070	57,287	57,514	57,749
% Ch, Annual Rate	1.8	1.7	0.9	1.3	1.9	1.5	1.6	1.6
<b>Price and Wage Indexes</b>								
U.S. Implicit Price Deflator, PCE (2012=1.0)	1.120	1.125	1.130	1.136	1.141	1.147	1.152	1.158
% Ch, Annual Rate	2.2	2.0	2.0	1.9	1.9	1.9	1.9	1.9
Seattle Cons. Price Index (1982-84=1.0)	2.808	2.824	2.839	2.854	2.870	2.886	2.901	2.917
% Ch, Annual Rate	2.6	2.2	2.2	2.1	2.3	2.2	2.2	2.2
Average Nonfarm Annual Wage	70,678	71,307	71,969	72,655	73,354	74,053	74,775	75,512
% Ch, Annual Rate	3.8	3.6	3.8	3.9	3.9	3.9	4.0	4.0
Avg. Hourly Earnings-Mfg. (\$/Hour)	29.81	30.05	30.28	30.52	30.77	31.02	31.28	31.54
% Ch, Annual Rate	3.1	3.2	3.2	3.2	3.3	3.3	3.3	3.4
<b>Current Dollar Income (Billions of Dollars)</b>								
Personal Income	486.302	492.412	497.610	503.176	509.628	515.612	521.702	527.885
% Ch, Annual Rate	5.5	5.1	4.3	4.6	5.2	4.8	4.8	4.8
Disposable Personal Income	429.789	435.230	439.893	444.813	450.442	455.649	460.897	466.167
% Ch, Annual Rate	5.5	5.2	4.4	4.5	5.2	4.7	4.7	4.7
Per Capita Income (\$/Person)	62,988	63,556	64,008	64,511	65,128	65,688	66,262	66,847
% Ch, Annual Rate	4.0	3.7	2.9	3.2	3.9	3.5	3.5	3.6
<b>Employment (Thousands)</b>								
Washington Civilian Labor Force	3,880.3	3,902.3	3,913.9	3,927.9	3,942.1	3,955.9	3,969.1	3,981.9
Total Washington Employment	3,718.8	3,738.3	3,747.6	3,759.9	3,773.1	3,785.8	3,798.3	3,810.5
Unemployment Rate (%)	4.16	4.20	4.25	4.28	4.29	4.30	4.30	4.30
Nonfarm Payroll Employment	3,522.3	3,539.7	3,543.9	3,550.9	3,559.5	3,568.3	3,576.8	3,585.3
% Ch, Annual Rate	1.3	2.0	0.5	0.8	1.0	1.0	1.0	1.0
Manufacturing	291.0	290.8	290.6	290.3	290.2	290.2	290.5	290.9
% Ch, Annual Rate	0.0	-0.4	-0.3	-0.4	-0.1	0.1	0.4	0.5
Durable Manufacturing	204.0	203.8	203.7	203.5	203.3	203.3	203.5	203.8
% Ch, Annual Rate	-0.1	-0.4	-0.2	-0.5	-0.3	0.0	0.4	0.5
Aerospace	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
% Ch, Annual Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nondurable Manufacturing	87.0	86.9	86.9	86.8	86.9	86.9	87.0	87.1
% Ch, Annual Rate	0.1	-0.3	-0.3	-0.2	0.2	0.3	0.5	0.3
Construction	212.9	213.4	213.1	212.8	212.3	212.0	211.9	212.0
% Ch, Annual Rate	-0.6	0.9	-0.5	-0.6	-0.9	-0.6	-0.2	0.0
Service-Providing	3,011.7	3,028.9	3,033.5	3,041.1	3,050.3	3,059.3	3,067.6	3,075.7
% Ch, Annual Rate	1.5	2.3	0.6	1.0	1.2	1.2	1.1	1.1
Software Publishers	66.9	67.2	67.4	67.7	67.9	68.2	68.5	68.8
% Ch, Annual Rate	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.7
Electronic Shopping and Mail-Order	60.4	61.1	61.8	62.4	63.0	63.5	64.0	64.5
% Ch, Annual Rate	5.1	4.7	4.3	4.0	3.7	3.5	3.3	3.1
<b>Housing Indicators (Thousands)</b>								
Housing Units Authorized by Bldg. Permit	44.379	44.327	44.157	43.844	43.526	43.201	42.854	42.579
% Ch, Annual Rate	1.0	-0.5	-1.5	-2.8	-2.9	-2.9	-3.2	-2.5
Single-Family	25.701	25.934	26.119	26.205	26.154	26.118	26.185	26.241
% Ch, Annual Rate	5.2	3.7	2.9	1.3	-0.8	-0.5	1.0	0.9
Multi-Family	18.678	18.393	18.038	17.639	17.372	17.083	16.669	16.339
% Ch, Annual Rate	-4.4	-6.0	-7.5	-8.6	-5.9	-6.5	-9.3	-7.7
30-Year Fixed Mortgage Rate (%)	5.09	5.16	5.17	5.16	5.16	5.16	5.16	5.15



Table A1.4 (continued)  
**Washington Economic Forecast Summary**  
Forecast 2018 to 2023

	2022:1	2022:2	2022:3	2022:4	2023:1	2023:2	2023:3	2023:4
<b>Real Income (Billions of Chained 2012 Dollars)</b>								
Real Personal Income	459.647	462.809	465.911	468.961	472.630	475.775	478.803	481.790
% Ch, Annual Rate	3.2	2.8	2.7	2.6	3.2	2.7	2.6	2.5
Real Wage and Salary Disb.	243.280	245.105	246.913	248.717	250.626	252.429	254.205	255.910
% Ch, Annual Rate	3.2	3.0	3.0	3.0	3.1	2.9	2.8	2.7
Real Nonwage Income	216.367	217.703	218.998	220.244	222.004	223.346	224.598	225.880
% Ch, Annual Rate	3.2	2.5	2.4	2.3	3.2	2.4	2.3	2.3
Real Per Capita Income (\$/Person)	58,035	58,267	58,492	58,713	59,012	59,248	59,472	59,693
% Ch, Annual Rate	2.0	1.6	1.6	1.5	2.1	1.6	1.5	1.5
<b>Price and Wage Indexes</b>								
U.S. Implicit Price Deflator, PCE (2012=1.0)	1.163	1.168	1.174	1.179	1.185	1.190	1.196	1.202
% Ch, Annual Rate	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.9
Seattle Cons. Price Index (1982-84=1.0)	2.933	2.948	2.964	2.980	2.996	3.012	3.028	3.045
% Ch, Annual Rate	2.2	2.1	2.2	2.2	2.2	2.1	2.2	2.2
Average Nonfarm Annual Wage	76,277	77,044	77,834	78,632	79,464	80,288	81,133	81,975
% Ch, Annual Rate	4.1	4.1	4.2	4.2	4.3	4.2	4.3	4.2
Avg. Hourly Earnings-Mfg. (\$/Hour)	31.82	32.09	32.36	32.64	32.93	33.21	33.49	33.77
% Ch, Annual Rate	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4
<b>Current Dollar Income (Billions of Dollars)</b>								
Personal Income	534.539	540.668	546.889	553.039	559.997	566.325	572.640	578.945
% Ch, Annual Rate	5.1	4.7	4.7	4.6	5.1	4.6	4.5	4.5
Disposable Personal Income	471.867	477.044	482.315	487.521	493.472	498.808	504.111	509.432
% Ch, Annual Rate	5.0	4.5	4.5	4.4	5.0	4.4	4.3	4.3
Per Capita Income (\$/Person)	67,491	68,069	68,658	69,239	69,921	70,525	71,128	71,730
% Ch, Annual Rate	3.9	3.5	3.5	3.4	4.0	3.5	3.5	3.4
<b>Employment (Thousands)</b>								
Washington Civilian Labor Force	3,994.3	4,006.3	4,018.0	4,029.3	4,040.2	4,050.8	4,061.1	4,071.1
Total Washington Employment	3,822.4	3,833.6	3,844.5	3,854.7	3,864.5	3,873.6	3,881.9	3,889.8
Unemployment Rate (%)	4.30	4.31	4.32	4.33	4.35	4.38	4.41	4.45
Nonfarm Payroll Employment	3,593.6	3,601.2	3,608.5	3,615.3	3,621.7	3,627.4	3,632.5	3,637.0
% Ch, Annual Rate	0.9	0.9	0.8	0.8	0.7	0.6	0.6	0.5
Manufacturing	291.4	291.9	292.6	293.3	294.1	294.8	295.4	295.9
% Ch, Annual Rate	0.7	0.7	0.9	1.0	1.0	1.0	0.9	0.7
Durable Manufacturing	204.2	204.6	205.1	205.6	206.2	206.7	207.1	207.5
% Ch, Annual Rate	0.8	0.8	1.0	1.1	1.0	1.0	0.9	0.7
Aerospace	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
% Ch, Annual Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Nondurable Manufacturing	87.2	87.4	87.5	87.7	87.9	88.1	88.3	88.5
% Ch, Annual Rate	0.5	0.6	0.8	0.9	0.8	0.9	0.9	0.7
Construction	211.8	211.5	211.2	210.9	210.6	210.2	209.8	209.3
% Ch, Annual Rate	-0.4	-0.4	-0.5	-0.6	-0.7	-0.7	-0.8	-0.9
Service-Providing	3,083.6	3,091.0	3,097.8	3,104.3	3,110.3	3,115.6	3,120.5	3,125.0
% Ch, Annual Rate	1.0	1.0	0.9	0.8	0.8	0.7	0.6	0.6
Software Publishers	69.1	69.4	69.7	70.0	70.3	70.6	71.0	71.3
% Ch, Annual Rate	1.8	1.7	1.7	1.8	1.8	1.8	1.9	1.9
Electronic Shopping and Mail-Order	65.0	65.4	65.9	66.3	66.7	67.1	67.5	67.9
% Ch, Annual Rate	2.9	2.8	2.7	2.6	2.5	2.4	2.4	2.3
<b>Housing Indicators (Thousands)</b>								
Housing Units Authorized by Bldg. Permit	42.357	42.153	41.900	41.681	41.475	41.275	41.039	40.755
% Ch, Annual Rate	-2.1	-1.9	-2.4	-2.1	-2.0	-1.9	-2.3	-2.7
Single-Family	26.295	26.353	26.335	26.314	26.282	26.252	26.222	26.179
% Ch, Annual Rate	0.8	0.9	-0.3	-0.3	-0.5	-0.5	-0.5	-0.7
Multi-Family	16.061	15.800	15.565	15.366	15.192	15.024	14.817	14.576
% Ch, Annual Rate	-6.6	-6.3	-5.8	-5.0	-4.5	-4.4	-5.4	-6.3
30-Year Fixed Mortgage Rate (%)	5.14	5.13	5.13	5.12	5.10	5.09	5.06	5.05

Table A2.1

**U.S. Nonagricultural Employment by Industry (Millions)**

Forecast 2018 to 2023

	2016	2017	2018	2019	2020	2021	2022	2023
Nonfarm Payroll Employment	144.35	146.62	149.06	151.24	152.63	153.53	154.50	155.31
% Ch	1.8	1.6	1.7	1.5	0.9	0.6	0.6	0.5
Manufacturing	12.35	12.44	12.74	12.92	12.84	12.73	12.67	12.67
% Ch	0.1	0.7	2.4	1.4	-0.6	-0.9	-0.4	0.0
Durable Manufacturing	7.71	7.74	7.97	8.12	8.07	7.99	7.95	7.96
% Ch	-0.7	0.3	3.0	1.8	-0.6	-1.0	-0.4	0.1
Wood Products	0.39	0.40	0.41	0.41	0.42	0.43	0.45	0.46
% Ch	2.7	1.1	2.4	1.8	2.3	2.6	3.1	2.8
Primary and Fabricated Metals	1.80	1.80	1.88	1.95	1.94	1.89	1.89	1.92
% Ch	-3.0	0.4	4.3	3.8	-0.5	-2.7	-0.2	2.0
Computer and Electronic Products	1.05	1.04	1.07	1.08	1.07	1.08	1.09	1.10
% Ch	-0.5	-0.5	2.8	0.7	-1.1	0.7	1.3	0.7
Machinery and Electrical Equipment	1.46	1.47	1.53	1.57	1.57	1.56	1.57	1.58
% Ch	-3.0	0.6	4.4	2.2	0.3	-0.7	0.6	0.8
Transportation Equipment	1.63	1.63	1.67	1.69	1.66	1.64	1.58	1.51
% Ch	1.6	0.1	2.5	1.1	-1.7	-1.2	-4.0	-4.5
Other Durables	1.39	1.40	1.41	1.42	1.40	1.39	1.38	1.39
% Ch	1.3	0.7	1.0	0.4	-0.8	-1.2	-0.2	0.5
Nondurable Manufacturing	4.64	4.71	4.77	4.80	4.77	4.74	4.72	4.71
% Ch	1.5	1.4	1.3	0.7	-0.6	-0.7	-0.4	-0.2
Food Manufacturing	1.56	1.60	1.64	1.68	1.69	1.69	1.71	1.73
% Ch	3.0	3.0	2.3	2.3	0.6	0.4	0.9	1.3
Paper and Paper Products	0.37	0.37	0.37	0.37	0.36	0.36	0.35	0.35
% Ch	-0.6	-0.5	1.2	-1.2	-1.8	-1.5	-0.8	-0.3
Other Nondurables	2.71	2.73	2.75	2.75	2.72	2.69	2.66	2.63
% Ch	1.0	0.8	0.8	0.0	-1.1	-1.2	-1.2	-1.0
Natural Resources and Mining	0.67	0.68	0.73	0.75	0.77	0.78	0.78	0.79
% Ch	-17.8	1.5	7.5	3.3	2.9	0.8	0.4	0.4
Construction	6.73	6.95	7.23	7.46	7.79	8.10	8.38	8.63
% Ch	4.1	3.4	4.0	3.2	4.4	4.1	3.4	3.0
Trade, Transportation, and Utilities	27.26	27.49	27.80	28.02	27.89	27.72	27.53	27.34
% Ch	1.4	0.8	1.1	0.8	-0.5	-0.6	-0.7	-0.7
Wholesale Trade	5.86	5.90	5.98	6.06	6.08	6.08	6.08	6.08
% Ch	0.1	0.7	1.3	1.3	0.4	0.0	0.0	0.0
Retail Trade	15.83	15.86	15.95	16.02	15.89	15.76	15.61	15.45
% Ch	1.4	0.2	0.5	0.4	-0.8	-0.8	-0.9	-1.0
Trans., Warehousing, and Utilities	5.57	5.72	5.87	5.94	5.92	5.88	5.84	5.80
% Ch	2.7	2.8	2.6	1.2	-0.4	-0.7	-0.7	-0.7
Information	2.79	2.79	2.77	2.80	2.82	2.88	2.90	2.89
% Ch	1.6	0.0	-0.8	0.9	0.9	2.2	0.5	-0.3
Publishing Industries	0.73	0.72	0.71	0.69	0.67	0.65	0.64	0.63
% Ch	0.5	-1.0	-1.6	-3.1	-2.9	-2.4	-1.7	-1.2
Other Information	2.06	2.07	2.06	2.11	2.15	2.23	2.26	2.25
% Ch	1.9	0.3	-0.5	2.2	2.1	3.7	1.2	-0.1
Financial Activities	8.29	8.45	8.57	8.70	8.77	8.77	8.76	8.75
% Ch	2.0	2.0	1.3	1.6	0.8	-0.1	-0.1	-0.1
Professional and Business Services	20.05	20.47	21.02	21.90	22.66	23.26	23.93	24.51
% Ch	2.1	2.1	2.7	4.2	3.5	2.7	2.9	2.4
Education and Health Services	22.64	23.19	23.64	23.96	23.98	24.04	24.11	24.18
% Ch	2.8	2.4	2.0	1.4	0.1	0.2	0.3	0.3
Leisure and Hospitality	15.66	16.06	16.36	16.49	16.65	16.82	16.87	16.88
% Ch	3.3	2.6	1.9	0.8	1.0	1.0	0.3	0.0
Other Services	5.69	5.78	5.87	5.85	5.77	5.71	5.67	5.64
% Ch	1.2	1.5	1.6	-0.2	-1.4	-1.0	-0.7	-0.7
Federal Government	2.79	2.81	2.80	2.80	2.92	2.80	2.80	2.80
% Ch	1.4	0.4	-0.4	0.1	4.5	-4.3	0.0	0.0
State and Local Government	19.44	19.52	19.54	19.60	19.75	19.92	20.08	20.25
% Ch	0.9	0.4	0.1	0.3	0.8	0.8	0.8	0.8

Table A2.2

**U.S. Nonagricultural Employment by Industry (Millions)**

Forecast 2018 to 2023

	2018:1	2018:2	2018:3	2018:4	2019:1	2019:2	2019:3	2019:4
Nonfarm Payroll Employment	148.07	148.72	149.40	150.05	150.58	151.07	151.49	151.82
% Ch, Annual Rate	1.7	1.8	1.9	1.7	1.4	1.3	1.1	0.9
Manufacturing	12.61	12.68	12.79	12.89	12.92	12.93	12.89	12.93
% Ch, Annual Rate	2.7	2.5	3.2	3.3	1.0	0.2	-1.0	1.1
Durable Manufacturing	7.86	7.92	8.01	8.10	8.11	8.12	8.10	8.13
% Ch, Annual Rate	3.6	3.2	4.5	4.2	0.8	0.6	-1.3	1.7
Wood Products	0.40	0.41	0.41	0.41	0.41	0.41	0.41	0.42
% Ch, Annual Rate	5.3	2.8	1.2	5.5	0.1	0.0	0.2	6.3
Primary and Fabricated Metals	1.85	1.86	1.88	1.93	1.94	1.95	1.95	1.96
% Ch, Annual Rate	4.7	3.9	4.2	9.3	3.0	2.2	-0.3	3.1
Computer and Electronic Products	1.06	1.06	1.08	1.09	1.09	1.08	1.08	1.07
% Ch, Annual Rate	2.3	2.5	4.1	5.1	0.1	-2.0	-3.0	-1.5
Machinery and Electrical Equipment	1.50	1.52	1.55	1.56	1.56	1.56	1.56	1.58
% Ch, Annual Rate	4.7	5.9	6.3	2.1	1.9	0.5	-0.6	3.4
Transportation Equipment	1.65	1.66	1.69	1.70	1.69	1.70	1.69	1.69
% Ch, Annual Rate	2.8	2.9	6.7	3.0	-1.6	1.4	-2.0	-0.4
Other Durables	1.41	1.41	1.41	1.42	1.42	1.42	1.41	1.42
% Ch, Annual Rate	2.4	0.6	1.6	0.6	0.4	0.0	-1.6	1.6
Nondurable Manufacturing	4.74	4.76	4.77	4.79	4.81	4.80	4.80	4.80
% Ch, Annual Rate	1.2	1.4	1.2	1.6	1.3	-0.6	-0.5	0.0
Food Manufacturing	1.63	1.64	1.64	1.65	1.67	1.68	1.68	1.69
% Ch, Annual Rate	2.4	2.0	1.4	3.1	3.8	1.3	1.1	1.5
Paper and Paper Products	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
% Ch, Annual Rate	2.5	2.3	-0.3	-1.0	-1.2	-2.5	-2.3	-1.1
Other Nondurables	2.74	2.75	2.76	2.77	2.77	2.76	2.75	2.74
% Ch, Annual Rate	0.5	0.8	1.4	1.1	0.1	-1.5	-1.1	-0.7
Natural Resources and Mining	0.71	0.73	0.73	0.73	0.74	0.75	0.76	0.76
% Ch, Annual Rate	11.0	11.9	-0.5	0.5	4.4	3.7	4.5	2.6
Construction	7.14	7.20	7.26	7.31	7.36	7.42	7.48	7.57
% Ch, Annual Rate	6.6	3.4	3.2	2.8	2.8	2.9	3.8	4.7
Trade, Transportation, and Utilities	27.69	27.76	27.83	27.92	27.99	28.00	28.04	28.03
% Ch, Annual Rate	1.5	1.1	1.0	1.3	1.0	0.2	0.6	-0.2
Wholesale Trade	5.95	5.96	5.99	6.00	6.03	6.05	6.07	6.08
% Ch, Annual Rate	1.5	0.4	2.1	0.9	1.5	1.4	1.5	0.8
Retail Trade	15.91	15.94	15.95	16.00	16.03	16.02	16.03	16.00
% Ch, Annual Rate	1.0	0.8	0.3	1.1	0.8	-0.3	0.2	-0.6
Trans., Warehousing, and Utilities	5.82	5.86	5.88	5.92	5.93	5.94	5.95	5.95
% Ch, Annual Rate	3.0	2.7	1.5	2.2	1.2	0.3	0.6	0.1
Information	2.76	2.77	2.77	2.78	2.78	2.80	2.80	2.80
% Ch, Annual Rate	-2.7	1.3	0.6	1.1	-0.3	3.5	0.1	-1.1
Publishing Industries	0.72	0.71	0.71	0.70	0.70	0.69	0.69	0.68
% Ch, Annual Rate	-1.7	-0.5	-1.1	-4.0	-4.4	-2.6	-2.9	-2.8
Other Information	2.05	2.06	2.06	2.08	2.08	2.11	2.12	2.11
% Ch, Annual Rate	-3.0	2.0	1.2	2.9	1.1	5.6	1.0	-0.5
Financial Activities	8.54	8.56	8.57	8.59	8.65	8.68	8.72	8.74
% Ch, Annual Rate	1.5	1.3	0.4	1.0	2.9	1.3	1.7	1.1
Professional and Business Services	20.77	20.92	21.11	21.28	21.49	21.80	22.07	22.25
% Ch, Annual Rate	2.3	3.0	3.6	3.3	4.0	5.8	5.1	3.4
Education and Health Services	23.46	23.58	23.71	23.81	23.87	23.98	24.00	24.00
% Ch, Annual Rate	2.0	2.0	2.3	1.6	1.1	1.8	0.4	0.0
Leisure and Hospitality	16.24	16.30	16.40	16.49	16.53	16.48	16.47	16.47
% Ch, Annual Rate	1.5	1.4	2.6	2.2	0.9	-1.3	-0.3	0.1
Other Services	5.83	5.86	5.88	5.89	5.88	5.86	5.84	5.82
% Ch, Annual Rate	1.1	2.2	1.2	0.7	-0.6	-1.4	-1.0	-1.7
Federal Government	2.79	2.79	2.80	2.80	2.80	2.80	2.80	2.80
% Ch, Annual Rate	-1.2	0.0	0.6	0.0	0.0	0.0	0.0	0.0
State and Local Government	19.53	19.54	19.54	19.55	19.56	19.58	19.61	19.65
% Ch, Annual Rate	0.0	0.3	0.0	0.2	0.2	0.4	0.6	0.8

Table A2.2 (continued)

**U.S. Nonagricultural Employment by Industry (Millions)**

Forecast 2018 to 2023

	2020:1	2020:2	2020:3	2020:4	2021:1	2021:2	2021:3	2021:4
Nonfarm Payroll Employment	152.17	152.69	152.75	152.89	153.15	153.41	153.65	153.90
% Ch, Annual Rate	0.9	1.4	0.2	0.4	0.7	0.7	0.6	0.6
Manufacturing	12.90	12.86	12.82	12.79	12.76	12.73	12.72	12.70
% Ch, Annual Rate	-0.8	-1.4	-1.1	-1.2	-1.0	-0.7	-0.3	-0.6
Durable Manufacturing	8.11	8.08	8.06	8.03	8.01	7.99	7.98	7.97
% Ch, Annual Rate	-1.0	-1.6	-1.2	-1.3	-1.2	-0.8	-0.2	-0.6
Wood Products	0.42	0.42	0.42	0.43	0.43	0.43	0.44	0.44
% Ch, Annual Rate	2.1	1.2	2.1	1.9	2.6	3.1	3.7	2.7
Primary and Fabricated Metals	1.96	1.95	1.94	1.92	1.91	1.89	1.88	1.88
% Ch, Annual Rate	-0.5	-2.5	-2.6	-3.3	-3.0	-2.8	-1.8	-1.0
Computer and Electronic Products	1.07	1.07	1.07	1.07	1.07	1.07	1.08	1.08
% Ch, Annual Rate	-1.1	-0.9	0.4	0.6	0.8	1.0	1.3	1.3
Machinery and Electrical Equipment	1.58	1.57	1.57	1.57	1.56	1.56	1.56	1.56
% Ch, Annual Rate	0.4	-1.0	-0.7	-1.1	-1.0	-0.9	0.1	0.6
Transportation Equipment	1.67	1.66	1.66	1.65	1.65	1.65	1.64	1.63
% Ch, Annual Rate	-3.3	-1.9	-1.5	-1.1	-1.5	-0.2	-0.7	-3.4
Other Durables	1.41	1.41	1.40	1.40	1.39	1.39	1.39	1.38
% Ch, Annual Rate	-1.1	-2.1	-1.3	-1.5	-1.2	-1.1	-0.4	-0.4
Nondurable Manufacturing	4.79	4.78	4.77	4.76	4.75	4.74	4.74	4.73
% Ch, Annual Rate	-0.5	-0.9	-0.9	-0.9	-0.7	-0.5	-0.4	-0.6
Food Manufacturing	1.69	1.69	1.69	1.69	1.69	1.69	1.70	1.70
% Ch, Annual Rate	0.7	-0.1	-0.2	0.0	0.4	0.7	0.9	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	-1.8	-2.1	-1.9	-1.8	-1.4	-1.3	-1.1	-1.1
Other Nondurables	2.74	2.73	2.72	2.71	2.70	2.69	2.69	2.68
% Ch, Annual Rate	-1.1	-1.2	-1.3	-1.3	-1.2	-1.2	-1.2	-1.3
Natural Resources and Mining	0.77	0.77	0.78	0.78	0.78	0.78	0.78	0.78
% Ch, Annual Rate	2.1	4.0	1.8	1.3	1.4	-1.9	0.5	0.7
Construction	7.66	7.74	7.83	7.92	8.00	8.07	8.14	8.21
% Ch, Annual Rate	4.8	4.4	4.4	4.6	4.3	3.6	3.3	3.5
Trade, Transportation, and Utilities	27.98	27.91	27.86	27.79	27.77	27.74	27.70	27.65
% Ch, Annual Rate	-0.7	-1.1	-0.6	-1.0	-0.4	-0.4	-0.6	-0.6
Wholesale Trade	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08
% Ch, Annual Rate	0.0	-0.1	0.0	-0.2	0.2	0.0	-0.1	-0.1
Retail Trade	15.96	15.90	15.87	15.81	15.79	15.77	15.74	15.71
% Ch, Annual Rate	-1.0	-1.5	-0.8	-1.4	-0.6	-0.4	-0.8	-0.8
Trans., Warehousing, and Utilities	5.94	5.93	5.91	5.90	5.89	5.89	5.87	5.86
% Ch, Annual Rate	-0.7	-0.8	-0.8	-0.9	-0.5	-0.6	-0.7	-0.7
Information	2.80	2.81	2.83	2.85	2.87	2.88	2.89	2.90
% Ch, Annual Rate	0.9	0.5	2.9	3.0	2.8	2.2	1.2	0.6
Publishing Industries	0.68	0.67	0.67	0.66	0.66	0.66	0.65	0.65
% Ch, Annual Rate	-3.1	-3.1	-2.6	-2.8	-2.3	-2.2	-2.1	-1.9
Other Information	2.13	2.13	2.16	2.18	2.21	2.23	2.24	2.25
% Ch, Annual Rate	2.2	1.7	4.7	4.8	4.3	3.5	2.2	1.4
Financial Activities	8.77	8.77	8.78	8.78	8.78	8.77	8.76	8.76
% Ch, Annual Rate	1.0	0.2	0.3	0.2	-0.2	-0.6	-0.2	0.0
Professional and Business Services	22.46	22.60	22.73	22.86	23.03	23.19	23.34	23.50
% Ch, Annual Rate	3.7	2.6	2.2	2.3	3.0	2.8	2.7	2.7
Education and Health Services	23.98	23.98	23.98	23.98	24.02	24.03	24.04	24.06
% Ch, Annual Rate	-0.2	-0.1	0.1	0.0	0.5	0.2	0.2	0.3
Leisure and Hospitality	16.50	16.59	16.72	16.79	16.77	16.80	16.84	16.86
% Ch, Annual Rate	0.8	2.0	3.2	1.7	-0.5	0.8	0.8	0.7
Other Services	5.80	5.78	5.76	5.74	5.73	5.72	5.71	5.70
% Ch, Annual Rate	-1.3	-1.4	-1.2	-1.3	-0.7	-0.9	-0.9	-0.8
Federal Government	2.85	3.15	2.89	2.80	2.80	2.80	2.80	2.80
% Ch, Annual Rate	7.8	49.2	-29.1	-12.3	0.0	0.0	0.0	0.0
State and Local Government	19.69	19.73	19.77	19.82	19.86	19.90	19.94	19.98
% Ch, Annual Rate	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8

Table A2.2 (continued)

**U.S. Nonagricultural Employment by Industry (Millions)**

Forecast 2018 to 2023

	2022:1	2022:2	2022:3	2022:4	2023:1	2023:2	2023:3	2023:4
Nonfarm Payroll Employment	154.14	154.38	154.62	154.84	155.06	155.25	155.41	155.54
% Ch, Annual Rate	0.6	0.6	0.6	0.6	0.6	0.5	0.4	0.4
Manufacturing	12.69	12.67	12.67	12.67	12.67	12.67	12.68	12.68
% Ch, Annual Rate	-0.5	-0.5	-0.1	0.0	0.0	0.1	0.3	-0.1
Durable Manufacturing	7.96	7.95	7.95	7.95	7.95	7.96	7.97	7.97
% Ch, Annual Rate	-0.6	-0.6	-0.1	0.1	0.1	0.3	0.5	0.0
Wood Products	0.44	0.45	0.45	0.45	0.46	0.46	0.46	0.46
% Ch, Annual Rate	3.3	2.7	3.1	3.4	3.0	3.0	2.1	1.1
Primary and Fabricated Metals	1.88	1.88	1.89	1.90	1.91	1.92	1.93	1.94
% Ch, Annual Rate	-0.1	0.6	1.6	2.0	2.3	2.4	2.1	1.5
Computer and Electronic Products	1.08	1.09	1.09	1.09	1.10	1.10	1.10	1.10
% Ch, Annual Rate	1.5	1.2	1.2	0.9	0.7	0.5	0.3	0.2
Machinery and Electrical Equipment	1.56	1.57	1.57	1.57	1.58	1.58	1.58	1.58
% Ch, Annual Rate	0.8	0.8	0.8	0.9	0.8	0.9	0.6	0.4
Transportation Equipment	1.61	1.59	1.56	1.54	1.53	1.51	1.50	1.49
% Ch, Annual Rate	-5.0	-5.7	-5.2	-4.8	-5.0	-4.3	-2.2	-2.9
Other Durables	1.38	1.38	1.39	1.39	1.39	1.39	1.39	1.39
% Ch, Annual Rate	-0.5	-0.1	0.6	0.7	0.5	0.7	0.5	0.0
Nondurable Manufacturing	4.73	4.72	4.72	4.72	4.72	4.72	4.71	4.71
% Ch, Annual Rate	-0.4	-0.4	-0.2	-0.1	-0.2	-0.1	-0.1	-0.3
Food Manufacturing	1.70	1.71	1.71	1.72	1.72	1.73	1.73	1.74
% Ch, Annual Rate	0.8	1.0	1.2	1.3	1.3	1.4	1.4	1.1
Paper and Paper Products	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
% Ch, Annual Rate	-0.8	-0.7	-0.5	-0.3	-0.3	-0.1	-0.1	-0.4
Other Nondurables	2.67	2.66	2.66	2.65	2.64	2.63	2.63	2.62
% Ch, Annual Rate	-1.1	-1.2	-1.0	-1.0	-1.1	-1.0	-1.0	-1.2
Natural Resources and Mining	0.78	0.78	0.78	0.78	0.79	0.78	0.79	0.79
% Ch, Annual Rate	0.4	0.3	0.8	0.3	0.5	-0.2	0.7	1.2
Construction	8.28	8.34	8.41	8.48	8.54	8.61	8.66	8.72
% Ch, Annual Rate	3.4	3.3	3.3	3.1	3.1	3.0	2.7	2.5
Trade, Transportation, and Utilities	27.60	27.55	27.51	27.46	27.40	27.36	27.31	27.27
% Ch, Annual Rate	-0.8	-0.7	-0.7	-0.6	-0.9	-0.6	-0.7	-0.6
Wholesale Trade	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08
% Ch, Annual Rate	0.2	-0.1	0.0	0.0	0.2	-0.1	-0.1	-0.1
Retail Trade	15.66	15.63	15.59	15.55	15.50	15.47	15.44	15.40
% Ch, Annual Rate	-1.3	-0.9	-1.0	-0.9	-1.4	-0.8	-0.9	-0.8
Trans., Warehousing, and Utilities	5.86	5.85	5.84	5.82	5.82	5.81	5.80	5.79
% Ch, Annual Rate	-0.4	-0.8	-0.7	-0.7	-0.5	-0.7	-0.7	-0.7
Information	2.90	2.90	2.90	2.89	2.89	2.88	2.89	2.89
% Ch, Annual Rate	0.8	0.0	-0.3	-0.5	-0.7	-1.1	1.1	0.7
Publishing Industries	0.65	0.64	0.64	0.64	0.64	0.64	0.63	0.63
% Ch, Annual Rate	-1.4	-1.6	-1.5	-1.4	-1.1	-1.1	-0.9	-0.8
Other Information	2.25	2.26	2.26	2.26	2.25	2.25	2.26	2.26
% Ch, Annual Rate	1.4	0.4	0.0	-0.2	-0.6	-1.1	1.7	1.1
Financial Activities	8.76	8.76	8.76	8.75	8.76	8.75	8.75	8.75
% Ch, Annual Rate	0.2	-0.1	-0.2	-0.2	0.2	-0.2	-0.2	-0.1
Professional and Business Services	23.68	23.85	24.02	24.18	24.36	24.48	24.56	24.64
% Ch, Annual Rate	3.2	2.9	2.8	2.7	3.0	2.0	1.4	1.2
Education and Health Services	24.09	24.10	24.12	24.13	24.16	24.17	24.18	24.19
% Ch, Annual Rate	0.5	0.2	0.3	0.2	0.5	0.2	0.2	0.2
Leisure and Hospitality	16.85	16.87	16.88	16.89	16.86	16.88	16.89	16.89
% Ch, Annual Rate	-0.3	0.4	0.3	0.2	-0.7	0.3	0.2	0.2
Other Services	5.69	5.68	5.67	5.66	5.65	5.64	5.63	5.62
% Ch, Annual Rate	-0.4	-0.7	-0.7	-0.8	-0.5	-0.7	-0.7	-0.7
Federal Government	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80
% Ch, Annual Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
State and Local Government	20.02	20.06	20.10	20.15	20.19	20.23	20.27	20.31
% Ch, Annual Rate	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

Table A2.3

**Washington Nonagricultural Employment by Industry (Thousands)**

Forecast 2018 to 2023

	2016	2017	2018	2019	2020	2021	2022	2023
Nonfarm Payroll Employment	3,244.5	3,322.4	3,419.4	3,491.2	3,539.2	3,572.5	3,604.6	3,629.6
% Ch	3.1	2.4	2.9	2.1	1.4	0.9	0.9	0.7
Manufacturing	290.0	283.8	286.6	290.5	290.7	290.5	292.3	295.1
% Ch	-0.7	-2.1	1.0	1.4	0.0	-0.1	0.6	0.9
Durable Manufacturing	207.6	200.1	200.7	203.7	203.8	203.5	204.9	206.9
% Ch	-1.7	-3.6	0.3	1.5	0.0	-0.1	0.7	1.0
Wood Products	13.1	12.9	13.1	13.0	12.9	12.9	13.0	13.1
% Ch	-1.6	-1.1	1.5	-1.4	-0.1	0.1	0.5	0.3
Primary and Fabricated Metals	25.2	25.0	25.6	26.4	26.2	25.4	25.3	25.8
% Ch	-2.0	-0.7	2.4	2.9	-0.7	-3.1	-0.3	2.0
Computer and Electronic Products	20.1	19.6	20.0	20.4	20.3	20.7	21.4	21.9
% Ch	0.7	-2.5	2.5	1.7	-0.7	2.3	3.2	2.3
Machinery and Electrical Equipment	20.5	20.6	20.9	21.8	22.5	22.9	23.7	24.7
% Ch	-1.2	0.7	1.1	4.4	3.2	1.8	3.6	3.9
Aerospace	91.0	84.1	83.1	83.9	83.9	83.9	83.9	83.9
% Ch	-3.2	-7.6	-1.1	0.9	0.0	0.0	0.0	0.0
Other Transportation Equip.	10.1	10.2	9.8	9.6	9.3	8.9	8.7	8.5
% Ch	-0.9	0.2	-3.9	-1.2	-4.1	-3.6	-2.5	-2.2
Other Durables	27.6	27.7	28.1	28.6	28.7	28.7	28.8	29.1
% Ch	1.2	0.5	1.5	1.6	0.4	-0.1	0.6	0.8
Nondurable Manufacturing	82.4	83.7	85.8	86.9	86.9	87.0	87.5	88.2
% Ch	2.1	1.5	2.6	1.2	0.0	0.1	0.5	0.8
Food Manufacturing	37.5	38.0	39.3	40.0	39.9	39.8	39.8	40.0
% Ch	1.9	1.3	3.5	1.7	-0.2	-0.4	0.1	0.5
Paper and Paper Products	7.8	7.7	7.7	7.6	7.4	7.2	7.1	7.0
% Ch	-3.4	-0.2	0.0	-1.7	-2.9	-2.6	-1.8	-1.2
Other Nondurables	37.1	37.9	38.8	39.2	39.6	40.0	40.6	41.2
% Ch	3.4	2.1	2.3	1.3	0.8	1.1	1.4	1.6
Natural Resources and Mining	6.3	6.2	6.4	6.6	6.7	6.8	6.8	6.8
% Ch	-0.8	-1.6	3.5	2.9	1.9	0.7	0.5	0.0
Construction	186.6	199.7	211.4	213.1	213.1	212.1	211.4	210.0
% Ch	7.7	7.0	5.9	0.8	0.0	-0.5	-0.3	-0.7
Trade, Transportation, and Utilities	606.3	626.0	640.8	652.0	655.4	656.3	655.9	654.5
% Ch	3.1	3.2	2.4	1.8	0.5	0.1	-0.1	-0.2
Wholesale Trade	132.8	134.5	138.4	141.1	142.0	142.1	142.2	142.1
% Ch	0.6	1.3	2.9	1.9	0.6	0.1	0.1	0.0
Retail Trade	369.1	384.7	395.0	402.3	405.0	406.3	406.3	405.6
% Ch	4.0	4.2	2.7	1.9	0.7	0.3	0.0	-0.2
Electronic Shopping and Mail-Order	38.2	49.7	55.1	58.4	61.4	63.8	65.7	67.3
% Ch	26.6	30.1	10.9	5.9	5.2	3.8	3.0	2.5
Other Retail Trade	330.9	335.0	339.9	343.9	343.5	342.5	340.7	338.3
% Ch	1.9	1.2	1.5	1.2	-0.1	-0.3	-0.5	-0.7
Trans., Warehousing, and Utilities	104.4	106.9	107.4	108.6	108.4	107.9	107.4	106.8
% Ch	3.4	2.4	0.5	1.1	-0.1	-0.5	-0.5	-0.6
Information	121.6	126.3	132.0	135.8	138.4	141.4	142.9	143.6
% Ch	6.2	3.9	4.5	2.8	1.9	2.2	1.0	0.5
Software Publishers	58.9	61.3	64.8	66.3	67.3	68.4	69.5	70.8
% Ch	5.3	4.1	5.7	2.4	1.4	1.6	1.7	1.8
Other Publishing Industries	5.9	5.5	4.9	4.3	3.8	3.3	3.0	2.6
% Ch	-4.0	-7.0	-11.8	-12.4	-11.4	-11.6	-11.1	-11.1
Other Information	56.7	59.5	62.3	65.2	67.3	69.7	70.4	70.1
% Ch	8.4	4.9	4.8	4.5	3.2	3.6	0.9	-0.3
Financial Activities	150.3	153.1	157.6	160.3	160.7	159.1	157.7	156.1
% Ch	1.8	1.9	2.9	1.7	0.2	-1.0	-0.9	-1.0
Professional and Business Services	403.5	414.1	433.2	454.4	471.9	486.1	500.8	513.3
% Ch	3.5	2.6	4.6	4.9	3.9	3.0	3.0	2.5
Education and Health Services	463.5	476.0	495.6	507.0	512.8	518.0	522.9	527.1
% Ch	3.4	2.7	4.1	2.3	1.1	1.0	0.9	0.8
Leisure and Hospitality	323.3	331.4	342.1	347.9	353.6	358.3	360.5	361.4
% Ch	4.3	2.5	3.2	1.7	1.6	1.3	0.6	0.2
Other Services	117.6	119.9	122.5	124.9	126.8	128.3	129.6	130.7
% Ch	2.3	2.0	2.2	2.0	1.5	1.2	1.0	0.8
Federal Government	74.5	74.9	75.8	76.7	79.6	77.5	77.8	78.0
% Ch	1.9	0.4	1.2	1.3	3.7	-2.6	0.4	0.3
State and Local Government	501.0	511.1	515.6	521.7	529.7	538.2	546.1	553.1
% Ch	2.5	2.0	0.9	1.2	1.5	1.6	1.5	1.3

Table A2.4

**Washington Nonagricultural Employment by Industry (Thousands)**

Forecast 2018 to 2023

	2018:1	2018:2	2018:3	2018:4	2019:1	2019:2	2019:3	2019:4
Nonfarm Payroll Employment	3,385.9	3,407.3	3,432.8	3,451.8	3,469.0	3,485.4	3,499.1	3,511.1
% Ch, Annual Rate	4.4	2.5	3.0	2.2	2.0	1.9	1.6	1.4
Manufacturing	284.1	285.5	287.4	289.3	290.3	290.5	290.3	291.0
% Ch, Annual Rate	2.8	2.0	2.7	2.7	1.4	0.4	-0.3	1.0
Durable Manufacturing	198.8	199.9	201.4	202.8	203.4	203.7	203.5	204.1
% Ch, Annual Rate	1.6	2.3	2.9	2.9	1.2	0.6	-0.5	1.2
Wood Products	13.3	13.2	13.0	13.1	13.0	12.9	12.9	13.0
% Ch, Annual Rate	8.2	-2.3	-6.6	2.6	-2.0	-2.1	-1.9	3.2
Primary and Fabricated Metals	25.6	25.4	25.4	26.0	26.2	26.4	26.4	26.6
% Ch, Annual Rate	9.4	-3.1	0.0	9.9	3.1	2.3	-0.5	3.0
Computer and Electronic Products	19.7	19.9	20.1	20.5	20.6	20.5	20.3	20.2
% Ch, Annual Rate	2.0	2.8	4.2	9.0	1.2	-2.0	-3.6	-1.2
Machinery and Electrical Equipment	20.5	20.8	21.0	21.3	21.5	21.7	21.8	22.2
% Ch, Annual Rate	-6.4	5.2	3.3	5.7	5.3	3.3	1.9	7.5
Aerospace	81.9	82.7	83.9	83.9	83.9	83.9	83.9	83.9
% Ch, Annual Rate	2.2	3.9	5.8	0.0	0.0	0.0	0.0	0.0
Other Transportation Equip.	9.8	9.7	9.8	9.7	9.7	9.7	9.7	9.5
% Ch, Annual Rate	-7.4	-0.5	3.7	-4.5	-1.0	1.7	-3.2	-6.7
Other Durables	27.9	28.2	28.2	28.3	28.5	28.6	28.6	28.7
% Ch, Annual Rate	-0.3	3.8	0.2	1.9	2.2	1.4	0.3	1.7
Nondurable Manufacturing	85.3	85.6	86.0	86.5	86.8	86.8	86.8	87.0
% Ch, Annual Rate	5.6	1.1	2.1	2.2	1.8	-0.1	0.0	0.7
Food Manufacturing	39.2	39.0	39.4	39.7	39.9	40.0	40.0	40.1
% Ch, Annual Rate	11.0	-1.7	4.2	2.1	2.9	0.5	0.3	0.7
Paper and Paper Products	7.6	7.8	7.8	7.8	7.7	7.6	7.6	7.5
% Ch, Annual Rate	-1.4	9.2	-0.3	-2.0	-2.2	-3.6	-3.5	-2.1
Other Nondurables	38.5	38.7	38.8	39.1	39.2	39.2	39.2	39.4
% Ch, Annual Rate	1.7	2.4	0.5	3.0	1.4	0.1	0.4	1.2
Natural Resources and Mining	6.3	6.4	6.4	6.5	6.5	6.6	6.6	6.6
% Ch, Annual Rate	3.7	10.4	1.2	1.2	3.1	3.2	3.6	1.8
Construction	208.8	211.6	212.4	212.8	213.0	213.3	213.0	213.2
% Ch, Annual Rate	8.7	5.6	1.5	0.7	0.5	0.4	-0.5	0.4
Trade, Transportation, and Utilities	638.3	638.0	641.6	645.4	648.8	651.0	653.5	654.8
% Ch, Annual Rate	4.4	-0.2	2.3	2.4	2.1	1.4	1.5	0.8
Wholesale Trade	137.0	138.0	139.1	139.6	140.3	140.9	141.5	141.8
% Ch, Annual Rate	5.2	2.8	3.4	1.5	1.9	1.8	1.5	1.0
Retail Trade	393.8	393.5	395.0	397.7	400.2	401.6	403.3	404.2
% Ch, Annual Rate	5.1	-0.3	1.5	2.8	2.5	1.4	1.7	0.9
Electronic Shopping and Mail-Order	54.8	54.9	54.8	56.0	57.0	58.0	58.9	59.7
% Ch	10.0	0.3	-0.2	8.6	7.7	6.9	6.2	5.6
Other Retail Trade	338.9	338.6	340.1	341.8	343.1	343.6	344.4	344.6
% Ch	4.3	-0.4	1.8	1.9	1.6	0.5	1.0	0.1
Trans., Warehousing, and Utilities	107.5	106.5	107.5	108.0	108.4	108.5	108.7	108.8
% Ch, Annual Rate	0.9	-3.5	3.7	2.0	1.2	0.6	0.6	0.2
Information	129.3	131.2	133.5	134.1	134.5	135.8	136.3	136.5
% Ch, Annual Rate	3.8	6.2	7.0	2.1	1.1	4.0	1.4	0.6
Software Publishers	63.2	64.6	65.6	65.8	66.0	66.2	66.5	66.7
% Ch, Annual Rate	6.1	9.1	6.5	1.1	1.0	1.5	1.4	1.5
Other Publishing Industries	5.3	4.8	4.7	4.6	4.4	4.3	4.2	4.1
% Ch, Annual Rate	-4.6	-27.3	-8.3	-12.1	-13.1	-10.1	-10.8	-11.0
Other Information	60.8	61.8	63.1	63.7	64.1	65.3	65.6	65.7
% Ch, Annual Rate	2.1	6.5	8.8	4.2	2.2	7.6	2.3	0.6
Financial Activities	156.1	157.6	158.1	158.5	159.6	160.1	160.6	160.8
% Ch, Annual Rate	4.9	3.8	1.5	0.8	3.0	1.1	1.3	0.6
Professional and Business Services	424.7	430.4	436.6	440.9	445.7	452.0	457.8	462.2
% Ch, Annual Rate	7.7	5.5	5.9	3.9	4.5	5.8	5.2	3.8
Education and Health Services	489.2	494.4	497.8	500.8	503.4	506.6	508.4	509.8
% Ch, Annual Rate	5.1	4.3	2.8	2.5	2.0	2.6	1.4	1.1
Leisure and Hospitality	338.7	340.6	343.4	345.8	347.3	347.4	348.1	349.0
% Ch, Annual Rate	5.4	2.1	3.4	2.8	1.8	0.1	0.8	1.0
Other Services	121.6	122.0	122.9	123.6	124.2	124.7	125.2	125.7
% Ch, Annual Rate	0.5	1.2	2.8	2.3	1.9	1.7	1.7	1.5
Federal Government	74.7	75.5	76.3	76.5	76.6	76.7	76.8	76.9
% Ch, Annual Rate	-0.6	4.3	4.5	0.6	0.6	0.6	0.6	0.6
State and Local Government	514.1	514.1	516.3	517.7	519.1	520.7	522.5	524.5
% Ch, Annual Rate	1.4	0.0	1.8	1.1	1.1	1.2	1.4	1.5



Table A2.4 (continued)

**Washington Nonagricultural Employment by Industry (Thousands)**

Forecast 2018 to 2023

	2020:1	2020:2	2020:3	2020:4	2021:1	2021:2	2021:3	2021:4
Nonfarm Payroll Employment	3,522.3	3,539.7	3,543.9	3,550.9	3,559.5	3,568.3	3,576.8	3,585.3
% Ch, Annual Rate	1.3	2.0	0.5	0.8	1.0	1.0	1.0	1.0
Manufacturing	291.0	290.8	290.6	290.3	290.2	290.2	290.5	290.9
% Ch, Annual Rate	0.0	-0.4	-0.3	-0.4	-0.1	0.1	0.4	0.5
Durable Manufacturing	204.0	203.8	203.7	203.5	203.3	203.3	203.5	203.8
% Ch, Annual Rate	-0.1	-0.4	-0.2	-0.5	-0.3	0.0	0.4	0.5
Wood Products	13.0	12.9	12.9	12.9	12.9	12.9	13.0	13.0
% Ch, Annual Rate	-0.3	-1.1	-0.3	-0.5	0.1	0.5	1.1	0.2
Primary and Fabricated Metals	26.5	26.3	26.1	25.9	25.6	25.4	25.3	25.2
% Ch, Annual Rate	-0.9	-2.8	-3.0	-3.8	-3.4	-3.2	-2.1	-1.2
Computer and Electronic Products	20.2	20.2	20.3	20.4	20.5	20.6	20.8	21.0
% Ch, Annual Rate	-0.6	-0.2	1.7	2.0	2.4	2.6	3.2	3.2
Machinery and Electrical Equipment	22.4	22.5	22.6	22.6	22.7	22.8	23.0	23.2
% Ch, Annual Rate	3.3	1.4	1.8	1.2	1.5	1.6	2.9	3.5
Aerospace	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
% Ch, Annual Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Transportation Equip.	9.3	9.3	9.2	9.1	9.0	8.9	8.9	8.8
% Ch, Annual Rate	-6.2	-1.2	-3.6	-4.6	-5.0	-2.4	-2.8	-2.7
Other Durables	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
% Ch, Annual Rate	0.2	-0.3	-0.2	-0.3	-0.2	0.0	0.4	0.5
Nondurable Manufacturing	87.0	86.9	86.9	86.8	86.9	86.9	87.0	87.1
% Ch, Annual Rate	0.1	-0.3	-0.3	-0.2	0.2	0.3	0.5	0.3
Food Manufacturing	40.1	40.0	39.9	39.8	39.8	39.8	39.8	39.7
% Ch, Annual Rate	-0.1	-0.9	-1.0	-0.8	-0.4	-0.1	0.1	-0.2
Paper and Paper Products	7.5	7.4	7.4	7.3	7.3	7.2	7.2	7.1
% Ch, Annual Rate	-2.9	-3.3	-3.0	-3.0	-2.5	-2.4	-2.2	-2.1
Other Nondurables	39.4	39.5	39.6	39.7	39.8	40.0	40.1	40.2
% Ch, Annual Rate	0.9	0.9	0.9	1.0	1.2	1.3	1.3	1.3
Natural Resources and Mining	6.7	6.7	6.7	6.7	6.7	6.7	6.8	6.8
% Ch, Annual Rate	1.5	2.3	0.9	0.5	0.5	0.6	0.6	0.5
Construction	212.9	213.4	213.1	212.8	212.3	212.0	211.9	212.0
% Ch, Annual Rate	-0.6	0.9	-0.5	-0.6	-0.9	-0.6	-0.2	0.0
Trade, Transportation, and Utilities	655.3	655.3	655.6	655.4	655.8	656.3	656.4	656.5
% Ch, Annual Rate	0.3	0.0	0.2	-0.2	0.3	0.3	0.1	0.0
Wholesale Trade	141.9	142.0	142.0	142.0	142.0	142.1	142.1	142.1
% Ch, Annual Rate	0.2	0.3	0.1	-0.1	0.1	0.1	0.0	0.1
Retail Trade	404.8	404.8	405.2	405.2	405.7	406.3	406.5	406.7
% Ch, Annual Rate	0.5	0.0	0.5	-0.1	0.5	0.6	0.2	0.2
Electronic Shopping and Mail-Order	60.4	61.1	61.8	62.4	63.0	63.5	64.0	64.5
% Ch	5.1	4.7	4.3	4.0	3.7	3.5	3.3	3.1
Other Retail Trade	344.4	343.6	343.4	342.8	342.7	342.7	342.5	342.1
% Ch	-0.2	-0.8	-0.2	-0.8	0.0	0.0	-0.3	-0.4
Trans., Warehousing, and Utilities	108.6	108.5	108.4	108.2	108.1	108.0	107.9	107.7
% Ch, Annual Rate	-0.5	-0.4	-0.6	-0.6	-0.4	-0.4	-0.5	-0.5
Information	137.2	137.9	138.7	139.6	140.5	141.2	141.8	142.1
% Ch, Annual Rate	2.1	1.9	2.5	2.6	2.5	2.1	1.5	1.1
Software Publishers	66.9	67.2	67.4	67.7	67.9	68.2	68.5	68.8
% Ch, Annual Rate	1.4	1.4	1.5	1.5	1.6	1.6	1.6	1.7
Other Publishing Industries	4.0	3.8	3.7	3.6	3.5	3.4	3.3	3.2
% Ch, Annual Rate	-11.7	-12.0	-11.5	-12.0	-11.3	-11.5	-11.4	-11.4
Other Information	66.3	66.9	67.6	68.4	69.1	69.6	70.0	70.2
% Ch, Annual Rate	3.8	3.3	4.4	4.6	4.2	3.4	2.0	1.1
Financial Activities	161.0	160.8	160.6	160.3	159.8	159.2	158.9	158.5
% Ch, Annual Rate	0.3	-0.4	-0.5	-0.7	-1.2	-1.5	-1.0	-0.8
Professional and Business Services	466.8	470.4	473.6	476.9	480.8	484.4	487.9	491.4
% Ch, Annual Rate	4.1	3.2	2.8	2.8	3.3	3.1	2.9	2.9
Education and Health Services	510.9	512.1	513.4	514.6	516.2	517.5	518.6	519.9
% Ch, Annual Rate	0.9	1.0	1.0	0.9	1.3	1.0	0.9	0.9
Leisure and Hospitality	350.3	352.3	355.0	356.7	356.9	357.8	358.8	359.6
% Ch, Annual Rate	1.5	2.3	3.1	1.9	0.2	1.1	1.0	0.9
Other Services	126.2	126.6	127.0	127.4	127.8	128.2	128.5	128.9
% Ch, Annual Rate	1.5	1.4	1.3	1.2	1.3	1.1	1.1	1.0
Federal Government	77.5	84.8	78.7	77.3	77.4	77.5	77.5	77.6
% Ch, Annual Rate	3.2	43.0	-25.8	-6.8	0.4	0.4	0.4	0.4
State and Local Government	526.5	528.6	530.8	532.9	535.0	537.1	539.2	541.3
% Ch, Annual Rate	1.5	1.6	1.7	1.6	1.6	1.6	1.6	1.5

Table A2.4 (continued)

**Washington Nonagricultural Employment by Industry (Thousands)**

Forecast 2018 to 2023

	2022:1	2022:2	2022:3	2022:4	2023:1	2023:2	2023:3	2023:4
Nonfarm Payroll Employment	3,593.6	3,601.2	3,608.5	3,615.3	3,621.7	3,627.4	3,632.5	3,637.0
% Ch, Annual Rate	0.9	0.9	0.8	0.8	0.7	0.6	0.6	0.5
Manufacturing	291.4	291.9	292.6	293.3	294.1	294.8	295.4	295.9
% Ch, Annual Rate	0.7	0.7	0.9	1.0	1.0	1.0	0.9	0.7
Durable Manufacturing	204.2	204.6	205.1	205.6	206.2	206.7	207.1	207.5
% Ch, Annual Rate	0.8	0.8	1.0	1.1	1.0	1.0	0.9	0.7
Wood Products	13.0	13.0	13.0	13.0	13.1	13.1	13.1	13.0
% Ch, Annual Rate	0.7	0.2	0.5	0.8	0.5	0.5	-0.3	-1.1
Primary and Fabricated Metals	25.2	25.2	25.3	25.5	25.6	25.8	25.9	26.0
% Ch, Annual Rate	-0.3	0.5	1.5	2.0	2.3	2.4	2.2	1.5
Computer and Electronic Products	21.1	21.3	21.5	21.6	21.7	21.8	21.9	22.0
% Ch, Annual Rate	3.6	3.0	3.1	2.6	2.3	1.9	1.7	1.6
Machinery and Electrical Equipment	23.4	23.6	23.8	24.1	24.3	24.6	24.8	25.0
% Ch, Annual Rate	3.9	3.9	3.9	4.0	4.0	4.0	3.7	3.4
Aerospace	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
% Ch, Annual Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other Transportation Equip.	8.8	8.7	8.7	8.6	8.6	8.5	8.5	8.4
% Ch, Annual Rate	-2.6	-2.5	-2.3	-2.1	-2.1	-1.9	-2.7	-2.8
Other Durables	28.8	28.8	28.9	28.9	29.0	29.0	29.1	29.2
% Ch, Annual Rate	0.6	0.6	0.8	0.8	0.8	0.9	0.9	0.7
Nondurable Manufacturing	87.2	87.4	87.5	87.7	87.9	88.1	88.3	88.5
% Ch, Annual Rate	0.5	0.6	0.8	0.9	0.8	0.9	0.9	0.7
Food Manufacturing	39.8	39.8	39.8	39.9	39.9	40.0	40.0	40.0
% Ch, Annual Rate	0.0	0.1	0.4	0.5	0.5	0.6	0.6	0.3
Paper and Paper Products	7.1	7.1	7.0	7.0	7.0	7.0	7.0	6.9
% Ch, Annual Rate	-1.8	-1.7	-1.4	-1.2	-1.3	-1.0	-1.0	-1.3
Other Nondurables	40.4	40.5	40.7	40.8	41.0	41.2	41.3	41.5
% Ch, Annual Rate	1.4	1.4	1.6	1.6	1.5	1.6	1.6	1.4
Natural Resources and Mining	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
% Ch, Annual Rate	0.7	0.2	0.2	0.2	0.0	-0.1	-0.5	-0.3
Construction	211.8	211.5	211.2	210.9	210.6	210.2	209.8	209.3
% Ch, Annual Rate	-0.4	-0.4	-0.5	-0.6	-0.7	-0.7	-0.8	-0.9
Trade, Transportation, and Utilities	656.1	656.0	655.7	655.5	654.9	654.7	654.3	653.9
% Ch, Annual Rate	-0.2	-0.1	-0.2	-0.1	-0.4	-0.2	-0.2	-0.2
Wholesale Trade	142.2	142.1	142.2	142.1	142.2	142.1	142.1	142.0
% Ch, Annual Rate	0.2	-0.1	0.0	-0.1	0.1	-0.1	-0.2	-0.2
Retail Trade	406.4	406.4	406.3	406.3	405.7	405.7	405.5	405.4
% Ch, Annual Rate	-0.3	0.0	-0.1	0.0	-0.5	0.0	-0.1	-0.1
Electronic Shopping and Mail-Order	65.0	65.4	65.9	66.3	66.7	67.1	67.5	67.9
% Ch	2.9	2.8	2.7	2.6	2.5	2.4	2.4	2.3
Other Retail Trade	341.4	341.0	340.4	340.0	339.0	338.6	338.0	337.5
% Ch	-0.9	-0.5	-0.6	-0.5	-1.1	-0.5	-0.6	-0.6
Trans., Warehousing, and Utilities	107.6	107.5	107.3	107.1	107.0	106.8	106.7	106.5
% Ch, Annual Rate	-0.3	-0.6	-0.6	-0.6	-0.5	-0.6	-0.6	-0.7
Information	142.6	142.8	143.0	143.1	143.2	143.2	143.7	144.2
% Ch, Annual Rate	1.2	0.6	0.4	0.4	0.2	0.0	1.6	1.3
Software Publishers	69.1	69.4	69.7	70.0	70.3	70.6	71.0	71.3
% Ch, Annual Rate	1.8	1.7	1.7	1.8	1.8	1.8	1.9	1.9
Other Publishing Industries	3.1	3.0	2.9	2.8	2.8	2.7	2.6	2.5
% Ch, Annual Rate	-10.4	-11.3	-11.4	-11.4	-10.8	-11.1	-11.0	-11.1
Other Information	70.4	70.4	70.4	70.3	70.1	69.8	70.2	70.4
% Ch, Annual Rate	1.2	0.1	-0.3	-0.5	-1.0	-1.4	1.8	1.2
Financial Activities	158.3	157.9	157.5	157.1	156.8	156.3	155.9	155.5
% Ch, Annual Rate	-0.6	-1.0	-1.1	-1.1	-0.7	-1.2	-1.1	-1.0
Professional and Business Services	495.4	499.0	502.6	506.1	509.8	512.5	514.6	516.5
% Ch, Annual Rate	3.3	3.0	2.9	2.8	3.0	2.2	1.6	1.5
Education and Health Services	521.3	522.4	523.5	524.5	525.8	526.7	527.6	528.4
% Ch, Annual Rate	1.1	0.8	0.8	0.8	1.0	0.7	0.6	0.7
Leisure and Hospitality	359.7	360.3	360.8	361.2	360.9	361.3	361.6	361.8
% Ch, Annual Rate	0.2	0.7	0.5	0.4	-0.3	0.4	0.3	0.2
Other Services	129.2	129.5	129.8	130.1	130.4	130.6	130.8	131.1
% Ch, Annual Rate	1.1	1.0	0.9	0.8	0.9	0.8	0.7	0.7
Federal Government	77.7	77.8	77.8	77.9	77.9	78.0	78.0	78.1
% Ch, Annual Rate	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.2
State and Local Government	543.3	545.2	547.1	548.9	550.7	552.4	554.0	555.5
% Ch, Annual Rate	1.5	1.4	1.4	1.3	1.3	1.2	1.2	1.1

Table A3.1

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

Forecast 2018 to 2023

	2016	2017	2018	2019	2020	2021	2022	2023
Personal Income	16,125.1	16,830.9	17,588.0	18,416.2	19,255.2	20,094.8	20,977.5	21,886.4
% Ch	2.6	4.4	4.5	4.7	4.6	4.4	4.4	4.3
Total Wage and Salary Disbursements	8,080.7	8,453.8	8,858.0	9,250.7	9,668.2	10,107.4	10,585.8	11,080.5
% Ch	2.9	4.6	4.8	4.4	4.5	4.5	4.7	4.7
Nonwage Personal Income	8,044.5	8,377.1	8,730.0	9,165.5	9,587.0	9,987.3	10,391.7	10,805.9
% Ch	2.3	4.1	4.2	5.0	4.6	4.2	4.0	4.0
Supplements to Wages and Salaries	1,875.6	1,953.4	2,022.3	2,099.8	2,195.2	2,292.9	2,393.1	2,493.0
% Ch	1.8	4.1	3.5	3.8	4.5	4.5	4.4	4.2
Proprietor's Income	1,419.3	1,500.9	1,581.7	1,642.4	1,656.4	1,662.8	1,672.5	1,689.2
% Ch	-0.2	5.8	5.4	3.8	0.9	0.4	0.6	1.0
Farm	37.5	38.9	40.2	50.5	70.3	77.0	75.1	74.8
% Ch	...	...	...	...	...	...	...	...
Nonfarm	1,381.8	1,462.0	1,541.5	1,591.9	1,586.1	1,585.7	1,597.4	1,614.4
% Ch	1.2	5.8	5.4	3.3	-0.4	0.0	0.7	1.1
Less: Contribution For Govt. Soc. Ins.	1,239.9	1,298.6	1,365.4	1,421.9	1,478.2	1,540.7	1,610.3	1,683.2
% Ch	2.9	4.7	5.1	4.1	4.0	4.2	4.5	4.5
Dividends/Int./Rent	3,211.4	3,361.8	3,518.1	3,723.5	3,935.2	4,131.5	4,336.1	4,529.7
% Ch	2.8	4.7	4.6	5.8	5.7	5.0	5.0	4.5
Transfer Payments	2,778.1	2,859.7	2,973.4	3,121.7	3,278.4	3,440.8	3,600.2	3,777.2
% Ch	3.5	2.9	4.0	5.0	5.0	5.0	4.6	4.9

Table A3.2

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

Forecast 2018 to 2023

	2018:1	2018:2	2018:3	2018:4	2019:1	2019:2	2019:3	2019:4
Personal Income	17,319.2	17,497.6	17,678.1	17,857.1	18,102.3	18,311.4	18,521.4	18,729.7
% Ch, Annual Rate	5.2	4.2	4.2	4.1	5.6	4.7	4.7	4.6
Total Wage and Salary Disbursements	8,710.6	8,805.8	8,907.6	9,007.9	9,101.9	9,200.6	9,300.0	9,400.3
% Ch, Annual Rate	5.8	4.4	4.7	4.6	4.2	4.4	4.4	4.4
Nonwage Personal Income	8,608.5	8,691.9	8,770.5	8,849.2	9,000.4	9,110.8	9,221.4	9,329.4
% Ch, Annual Rate	4.5	3.9	3.7	3.6	7.0	5.0	4.9	4.8
Supplements to Wages and Salaries	1,999.4	2,014.5	2,029.9	2,045.3	2,067.8	2,088.7	2,110.3	2,132.4
% Ch, Annual Rate	3.9	3.0	3.1	3.1	4.5	4.1	4.2	4.3
Proprietor's Income	1,549.9	1,573.5	1,590.6	1,612.9	1,630.8	1,639.3	1,646.4	1,653.1
% Ch, Annual Rate	6.4	6.2	4.4	5.7	4.5	2.1	1.8	1.6
Farm	35.2	42.1	41.7	41.9	45.1	48.2	51.8	56.8
% Ch, Annual Rate	...	...	...	...	...	...	...	...
Nonfarm	1,514.7	1,531.4	1,548.9	1,571.0	1,585.7	1,591.1	1,594.7	1,596.2
% Ch, Annual Rate	6.6	4.5	4.7	5.8	3.8	1.4	0.9	0.4
Less: Contribution For Govt. Soc. Ins.	1,343.6	1,357.1	1,372.3	1,388.7	1,405.0	1,416.1	1,427.5	1,439.2
% Ch, Annual Rate	8.2	4.1	4.5	4.9	4.8	3.2	3.3	3.3
Dividends/Int./Rent	3,468.8	3,497.4	3,536.0	3,570.0	3,633.2	3,694.3	3,754.3	3,812.4
% Ch, Annual Rate	3.6	3.3	4.5	3.9	7.3	6.9	6.7	6.3
Transfer Payments	2,933.9	2,963.6	2,986.3	3,009.6	3,073.6	3,104.6	3,137.8	3,170.7
% Ch, Annual Rate	6.6	4.1	3.1	3.2	8.8	4.1	4.3	4.3

Table A3.2 (continued)

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

Forecast 2018 to 2023

	2020:1	2020:2	2020:3	2020:4	2021:1	2021:2	2021:3	2021:4
Personal Income	18,959.5	19,165.3	19,351.0	19,544.8	19,774.3	19,985.5	20,200.1	20,419.2
% Ch, Annual Rate	5.0	4.4	3.9	4.1	4.8	4.3	4.4	4.4
Total Wage and Salary Disbursements	9,508.1	9,622.5	9,719.5	9,822.6	9,934.3	10,047.9	10,164.3	10,283.2
% Ch, Annual Rate	4.7	4.9	4.1	4.3	4.6	4.7	4.7	4.8
Nonwage Personal Income	9,451.5	9,542.8	9,631.6	9,722.2	9,840.0	9,937.6	10,035.8	10,136.0
% Ch, Annual Rate	5.3	3.9	3.8	3.8	4.9	4.0	4.0	4.1
Supplements to Wages and Salaries	2,159.4	2,184.9	2,206.8	2,229.6	2,256.8	2,280.7	2,304.9	2,329.3
% Ch, Annual Rate	5.2	4.8	4.1	4.2	5.0	4.3	4.3	4.3
Proprietor's Income	1,658.0	1,656.2	1,655.6	1,656.0	1,658.9	1,661.1	1,663.7	1,667.5
% Ch, Annual Rate	1.2	-0.4	-0.1	0.1	0.7	0.5	0.6	0.9
Farm	64.1	69.4	72.9	74.8	76.7	77.4	77.3	76.8
% Ch, Annual Rate	...	...	...	...	...	...	...	...
Nonfarm	1,593.9	1,586.8	1,582.7	1,581.2	1,582.2	1,583.7	1,586.4	1,590.7
% Ch, Annual Rate	-0.6	-1.8	-1.0	-0.4	0.3	0.4	0.7	1.1
Less: Contribution For Govt. Soc. Ins.	1,458.6	1,472.5	1,484.4	1,497.3	1,518.3	1,532.9	1,548.0	1,563.5
% Ch, Annual Rate	5.5	3.9	3.3	3.5	5.7	3.9	4.0	4.1
Dividends/Int./Rent	3,866.1	3,913.4	3,957.9	4,003.2	4,053.7	4,105.5	4,157.1	4,209.7
% Ch, Annual Rate	5.8	5.0	4.6	4.7	5.1	5.2	5.1	5.2
Transfer Payments	3,226.5	3,260.8	3,295.7	3,330.7	3,388.9	3,423.2	3,458.1	3,493.0
% Ch, Annual Rate	7.2	4.3	4.4	4.3	7.2	4.1	4.1	4.1

Table A3.2 (continued)

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

Forecast 2018 to 2023

	2022:1	2022:2	2022:3	2022:4	2023:1	2023:2	2023:3	2023:4
Personal Income	20,652.6	20,867.5	21,086.4	21,303.5	21,550.1	21,775.2	21,997.9	22,222.3
% Ch, Annual Rate	4.7	4.2	4.3	4.2	4.7	4.2	4.2	4.1
Total Wage and Salary Disbursements	10,403.2	10,523.6	10,646.6	10,770.0	10,895.1	11,019.5	11,142.6	11,264.8
% Ch, Annual Rate	4.8	4.7	4.8	4.7	4.7	4.6	4.5	4.5
Nonwage Personal Income	10,249.4	10,343.9	10,439.9	10,533.5	10,654.9	10,755.7	10,855.3	10,957.6
% Ch, Annual Rate	4.6	3.7	3.8	3.6	4.7	3.8	3.8	3.8
Supplements to Wages and Salaries	2,357.0	2,381.1	2,405.3	2,429.2	2,456.8	2,480.9	2,505.0	2,529.5
% Ch, Annual Rate	4.8	4.2	4.1	4.0	4.6	4.0	4.0	4.0
Proprietor's Income	1,667.7	1,670.2	1,674.5	1,677.6	1,680.6	1,685.4	1,691.6	1,699.2
% Ch, Annual Rate	0.1	0.6	1.0	0.7	0.7	1.1	1.5	1.8
Farm	76.0	75.3	74.8	74.4	74.3	74.5	75.0	75.6
% Ch, Annual Rate	...	...	...	...	...	...	...	...
Nonfarm	1,591.7	1,594.8	1,599.7	1,603.2	1,606.4	1,610.9	1,616.6	1,623.6
% Ch, Annual Rate	0.2	0.8	1.2	0.9	0.8	1.1	1.4	1.8
Less: Contribution For Govt. Soc. Ins.	1,586.3	1,602.1	1,618.3	1,634.6	1,658.6	1,675.2	1,691.5	1,707.6
% Ch, Annual Rate	6.0	4.1	4.1	4.1	6.0	4.0	4.0	3.9
Dividends/Int./Rent	4,260.7	4,311.3	4,361.6	4,410.7	4,459.9	4,507.8	4,552.8	4,598.2
% Ch, Annual Rate	4.9	4.8	4.8	4.6	4.5	4.4	4.1	4.0
Transfer Payments	3,550.2	3,583.4	3,616.8	3,650.5	3,716.2	3,756.8	3,797.4	3,838.3
% Ch, Annual Rate	6.7	3.8	3.8	3.8	7.4	4.4	4.4	4.4

Table A3.3

**Washington Personal Income by Component (Billions of Dollars)**

Forecast 2018 to 2023

	2016	2017	2018	2019	2020	2021	2022	2023
Personal Income	397.772	419.962	447.811	470.962	494.875	518.707	543.784	569.477
% Ch	4.7	5.6	6.6	5.2	5.1	4.8	4.8	4.7
Total Wage and Salary Disbursements	203.613	218.726	238.257	249.534	261.850	274.466	288.099	302.242
% Ch	6.1	7.4	8.9	4.7	4.9	4.8	5.0	4.9
Manufacturing	21.735	21.714	22.812	23.379	24.204	25.110	26.263	27.553
% Ch	-0.3	-0.1	5.1	2.5	3.5	3.7	4.6	4.9
Durable Manufacturing	17.318	17.098	17.906	18.273	18.917	19.617	20.517	21.521
% Ch	-1.6	-1.3	4.7	2.0	3.5	3.7	4.6	4.9
Nondurable Manufacturing	4.417	4.616	4.906	5.106	5.287	5.493	5.746	6.032
% Ch	4.9	4.5	6.3	4.1	3.5	3.9	4.6	5.0
Nonmanufacturing	174.750	189.669	207.812	218.225	229.394	240.776	252.913	265.419
% Ch	7.1	8.5	9.6	5.0	5.1	5.0	5.0	4.9
Other Private Wages	1.197	1.285	1.355	1.402	1.454	1.505	1.559	1.612
% Ch	4.0	7.4	5.4	3.5	3.7	3.5	3.6	3.4
Farm Wages	1.813	1.880	1.932	2.032	2.139	2.249	2.367	2.486
% Ch	13.2	3.6	2.8	5.2	5.3	5.1	5.2	5.0
Military Wages	4.118	4.178	4.347	4.495	4.660	4.827	4.997	5.172
% Ch	0.2	1.5	4.0	3.4	3.7	3.6	3.5	3.5
Nonwage Personal Income	194.159	201.236	209.555	221.428	233.025	244.240	255.685	267.235
% Ch	3.2	3.6	4.1	5.7	5.2	4.8	4.7	4.5
Supplements to Wages and Salaries	46.494	49.258	52.098	54.457	57.132	59.808	62.544	65.242
% Ch	6.0	5.9	5.8	4.5	4.9	4.7	4.6	4.3
Proprietor's Income	29.803	30.444	31.654	32.529	32.389	32.342	32.520	32.828
% Ch	0.9	2.2	4.0	2.8	-0.4	-0.1	0.6	0.9
Farm	2.496	1.784	1.477	1.290	1.290	1.271	1.228	1.210
% Ch	...	...	...	...	...	...	...	...
Nonfarm	27.307	28.659	30.177	31.239	31.099	31.072	31.293	31.618
% Ch	1.9	5.0	5.3	3.5	-0.4	-0.1	0.7	1.0
Less: Contribution For Govt. Soc. Ins.	33.536	35.833	38.849	40.649	42.380	44.241	46.298	48.448
% Ch	4.2	6.8	8.4	4.6	4.3	4.4	4.6	4.6
Plus: Residence Adjustment	3.717	3.814	3.972	4.158	4.354	4.564	4.795	5.037
% Ch	5.1	2.6	4.1	4.7	4.7	4.8	5.1	5.0
Dividends/Int./Rent	88.021	91.884	95.805	102.259	108.867	114.977	121.259	127.186
% Ch	1.4	4.4	4.3	6.7	6.5	5.6	5.5	4.9
Transfer Payments	59.662	61.669	64.875	68.673	72.662	76.790	80.863	85.389
% Ch	5.6	3.4	5.2	5.9	5.8	5.7	5.3	5.6
State U.I. Benefits	0.982	0.964	0.872	0.531	0.606	0.708	0.751	0.876
% Ch	1.2	-1.9	-9.6	-39.1	14.2	16.9	6.1	16.6
Other Transfers	58.679	60.705	64.003	68.143	72.056	76.082	80.112	84.513
% Ch	5.7	3.5	5.4	6.5	5.7	5.6	5.3	5.5



Table A3.4

**Washington Personal Income by Component (Billions of Dollars)**

Forecast 2018 to 2023

	2018:1	2018:2	2018:3	2018:4	2019:1	2019:2	2019:3	2019:4
Personal Income	441.835	444.239	450.018	455.152	461.965	468.039	473.979	479.866
% Ch, Annual Rate	13.1	2.2	5.3	4.6	6.1	5.4	5.2	5.1
Total Wage and Salary Disbursements	235.612	235.772	239.335	242.307	245.126	248.118	250.990	253.901
% Ch, Annual Rate	23.0	0.3	6.2	5.1	4.7	5.0	4.7	4.7
Manufacturing	23.505	22.266	22.598	22.877	23.093	23.283	23.447	23.693
% Ch, Annual Rate	27.6	-19.5	6.1	5.0	3.8	3.3	2.9	4.3
Durable Manufacturing	18.677	17.394	17.667	17.886	18.047	18.200	18.325	18.519
% Ch, Annual Rate	31.4	-24.8	6.4	5.1	3.6	3.4	2.8	4.3
Nondurable Manufacturing	4.827	4.872	4.932	4.992	5.047	5.083	5.122	5.173
% Ch, Annual Rate	14.2	3.8	5.0	5.0	4.5	2.9	3.1	4.1
Nonmanufacturing	204.524	205.918	209.080	211.725	214.207	216.937	219.573	222.185
% Ch, Annual Rate	23.1	2.8	6.3	5.2	4.8	5.2	4.9	4.8
Other Private Wages	1.347	1.343	1.358	1.371	1.383	1.397	1.409	1.421
% Ch, Annual Rate	-0.7	-1.2	4.5	3.7	3.7	4.0	3.6	3.5
Farm Wages	1.911	1.911	1.940	1.966	1.991	2.019	2.045	2.071
% Ch, Annual Rate	2.7	0.0	6.2	5.4	5.3	5.7	5.3	5.1
Military Wages	4.325	4.334	4.358	4.369	4.452	4.483	4.516	4.532
% Ch, Annual Rate	12.1	0.8	2.2	1.0	7.8	2.9	3.0	1.4
Nonwage Personal Income	206.223	208.467	210.684	212.845	216.838	219.921	222.989	225.965
% Ch, Annual Rate	2.9	4.4	4.3	4.2	7.7	5.8	5.7	5.4
Supplements to Wages and Salaries	51.323	51.822	52.384	52.863	53.531	54.158	54.765	55.376
% Ch, Annual Rate	8.4	3.9	4.4	3.7	5.2	4.8	4.6	4.5
Proprietor's Income	31.150	31.481	31.802	32.181	32.442	32.519	32.566	32.590
% Ch, Annual Rate	4.3	4.3	4.1	4.9	3.3	1.0	0.6	0.3
Farm	1.583	1.524	1.435	1.364	1.324	1.293	1.273	1.269
% Ch, Annual Rate	...	...	...	...	...	...	...	...
Nonfarm	29.567	29.957	30.366	30.817	31.117	31.226	31.293	31.321
% Ch, Annual Rate	4.6	5.4	5.6	6.1	4.0	1.4	0.9	0.4
Less: Contribution For Govt. Soc. Ins.	38.109	38.568	39.110	39.611	40.116	40.475	40.823	41.181
% Ch, Annual Rate	15.1	4.9	5.7	5.2	5.2	3.6	3.5	3.6
Plus: Residence Adjustment	3.883	3.957	4.001	4.048	4.091	4.135	4.181	4.228
% Ch, Annual Rate	-1.3	7.9	4.6	4.8	4.3	4.3	4.5	4.6
Dividends/Int./Rent	94.155	95.134	96.397	97.534	99.470	101.352	103.207	105.006
% Ch, Annual Rate	2.9	4.2	5.4	4.8	8.2	7.8	7.5	7.2
Transfer Payments	63.821	64.640	65.209	65.829	67.421	68.233	69.093	69.946
% Ch, Annual Rate	5.0	5.2	3.6	3.9	10.0	4.9	5.1	5.0
State U.I. Benefits	0.944	0.917	0.917	0.710	0.597	0.523	0.496	0.506
% Ch, Annual Rate	-9.5	-10.9	0.0	-64.1	-49.8	-41.2	-19.1	8.6
Other Transfers	62.877	63.723	64.292	65.120	66.823	67.710	68.598	69.440
% Ch, Annual Rate	5.3	5.5	3.6	5.3	10.9	5.4	5.3	5.0

Table A3.4 (continued)

**Washington Personal Income by Component (Billions of Dollars)**

Forecast 2018 to 2023

	2020:1	2020:2	2020:3	2020:4	2021:1	2021:2	2021:3	2021:4
Personal Income	486.302	492.412	497.610	503.176	509.628	515.612	521.702	527.885
% Ch, Annual Rate	5.5	5.1	4.3	4.6	5.2	4.8	4.8	4.8
Total Wage and Salary Disbursements	257.095	260.630	263.341	266.335	269.576	272.788	276.082	279.419
% Ch, Annual Rate	5.1	5.6	4.2	4.6	5.0	4.9	4.9	4.9
Manufacturing	23.904	24.108	24.300	24.504	24.727	24.967	25.234	25.511
% Ch, Annual Rate	3.6	3.5	3.2	3.4	3.7	3.9	4.4	4.5
Durable Manufacturing	18.682	18.842	18.993	19.151	19.321	19.505	19.711	19.929
% Ch, Annual Rate	3.6	3.5	3.3	3.4	3.6	3.8	4.3	4.5
Nondurable Manufacturing	5.221	5.266	5.306	5.353	5.406	5.462	5.523	5.582
% Ch, Annual Rate	3.8	3.5	3.1	3.5	4.0	4.2	4.5	4.4
Nonmanufacturing	225.043	228.297	230.749	233.485	236.377	239.275	242.225	245.226
% Ch, Annual Rate	5.2	5.9	4.4	4.8	5.0	5.0	5.0	5.0
Other Private Wages	1.435	1.450	1.460	1.472	1.485	1.498	1.511	1.525
% Ch, Annual Rate	3.8	4.2	2.9	3.3	3.7	3.6	3.6	3.6
Farm Wages	2.098	2.129	2.152	2.178	2.206	2.234	2.263	2.292
% Ch, Annual Rate	5.4	5.9	4.4	4.9	5.3	5.2	5.3	5.2
Military Wages	4.615	4.647	4.681	4.697	4.781	4.814	4.848	4.865
% Ch, Annual Rate	7.6	2.8	2.9	1.4	7.4	2.8	2.9	1.4
Nonwage Personal Income	229.206	231.782	234.269	236.841	240.052	242.824	245.619	248.466
% Ch, Annual Rate	5.9	4.6	4.4	4.5	5.5	4.7	4.7	4.7
Supplements to Wages and Salaries	56.140	56.878	57.444	58.067	58.831	59.479	60.134	60.789
% Ch, Annual Rate	5.6	5.4	4.0	4.4	5.4	4.5	4.5	4.4
Proprietor's Income	32.548	32.411	32.319	32.279	32.290	32.308	32.350	32.422
% Ch, Annual Rate	-0.5	-1.7	-1.1	-0.5	0.1	0.2	0.5	0.9
Farm	1.285	1.294	1.294	1.288	1.286	1.277	1.266	1.254
% Ch, Annual Rate	...	...	...	...	...	...	...	...
Nonfarm	31.263	31.117	31.025	30.990	31.004	31.030	31.084	31.169
% Ch, Annual Rate	-0.7	-1.9	-1.2	-0.4	0.2	0.3	0.7	1.1
Less: Contribution For Govt. Soc. Ins.	41.771	42.222	42.568	42.958	43.584	44.014	44.458	44.909
% Ch, Annual Rate	5.9	4.4	3.3	3.7	6.0	4.0	4.1	4.1
Plus: Residence Adjustment	4.278	4.331	4.379	4.428	4.481	4.535	4.592	4.649
% Ch, Annual Rate	4.9	5.0	4.5	4.6	4.9	5.0	5.0	5.1
Dividends/Int./Rent	106.684	108.179	109.590	111.017	112.583	114.180	115.767	117.379
% Ch, Annual Rate	6.5	5.7	5.3	5.3	5.8	5.8	5.7	5.7
Transfer Payments	71.328	72.206	73.106	74.008	75.452	76.337	77.236	78.135
% Ch, Annual Rate	8.1	5.0	5.1	5.0	8.0	4.8	4.8	4.7
State U.I. Benefits	0.536	0.583	0.635	0.670	0.688	0.705	0.716	0.723
% Ch, Annual Rate	25.8	39.6	41.2	23.8	11.2	10.2	6.5	4.0
Other Transfers	70.792	71.624	72.470	73.338	74.764	75.632	76.520	77.412
% Ch, Annual Rate	8.0	4.8	4.8	4.9	8.0	4.7	4.8	4.7

Table A3.4 (continued)

**Washington Personal Income by Component (Billions of Dollars)**

Forecast 2018 to 2023

	2022:1	2022:2	2022:3	2022:4	2023:1	2023:2	2023:3	2023:4
Personal Income	534.539	540.668	546.889	553.039	559.997	566.325	572.640	578.945
% Ch, Annual Rate	5.1	4.7	4.7	4.6	5.1	4.6	4.5	4.5
Total Wage and Salary Disbursements	282.918	286.340	289.828	293.308	296.955	300.471	304.025	307.515
% Ch, Annual Rate	5.1	4.9	5.0	4.9	5.1	4.8	4.8	4.7
Manufacturing	25.803	26.100	26.414	26.735	27.062	27.393	27.720	28.037
% Ch, Annual Rate	4.7	4.7	4.9	5.0	5.0	5.0	4.9	4.7
Durable Manufacturing	20.157	20.390	20.635	20.886	21.140	21.398	21.650	21.896
% Ch, Annual Rate	4.7	4.7	4.9	4.9	5.0	5.0	4.8	4.6
Nondurable Manufacturing	5.645	5.710	5.779	5.850	5.921	5.995	6.070	6.141
% Ch, Annual Rate	4.6	4.7	4.9	5.0	5.0	5.1	5.1	4.8
Nonmanufacturing	248.304	251.353	254.448	257.547	260.736	263.844	266.992	270.104
% Ch, Annual Rate	5.1	5.0	5.0	5.0	5.0	4.9	4.9	4.7
Other Private Wages	1.539	1.552	1.566	1.579	1.593	1.606	1.619	1.631
% Ch, Annual Rate	3.7	3.5	3.5	3.4	3.6	3.3	3.3	3.1
Farm Wages	2.322	2.352	2.381	2.411	2.442	2.471	2.501	2.530
% Ch, Annual Rate	5.4	5.1	5.1	5.0	5.2	4.9	4.9	4.7
Military Wages	4.950	4.984	5.019	5.037	5.123	5.158	5.194	5.213
% Ch, Annual Rate	7.2	2.7	2.8	1.5	7.0	2.7	2.8	1.5
Nonwage Personal Income	251.621	254.328	257.061	259.731	263.043	265.853	268.616	271.430
% Ch, Annual Rate	5.2	4.4	4.4	4.2	5.2	4.3	4.2	4.3
Supplements to Wages and Salaries	61.574	62.224	62.872	63.507	64.278	64.914	65.565	66.213
% Ch, Annual Rate	5.3	4.3	4.2	4.1	4.9	4.0	4.1	4.0
Proprietor's Income	32.426	32.475	32.561	32.619	32.673	32.758	32.870	33.013
% Ch, Annual Rate	0.0	0.6	1.1	0.7	0.7	1.0	1.4	1.7
Farm	1.242	1.231	1.222	1.215	1.211	1.209	1.209	1.211
% Ch, Annual Rate	...	...	...	...	...	...	...	...
Nonfarm	31.184	31.245	31.339	31.404	31.462	31.549	31.661	31.801
% Ch, Annual Rate	0.2	0.8	1.2	0.8	0.7	1.1	1.4	1.8
Less: Contribution For Govt. Soc. Ins.	45.591	46.058	46.534	47.008	47.724	48.206	48.692	49.168
% Ch, Annual Rate	6.2	4.2	4.2	4.1	6.2	4.1	4.1	4.0
Plus: Residence Adjustment	4.706	4.765	4.825	4.886	4.946	5.008	5.068	5.128
% Ch, Annual Rate	5.0	5.1	5.1	5.1	5.0	5.1	4.9	4.8
Dividends/Int./Rent	118.947	120.499	122.042	123.548	125.053	126.517	127.895	129.279
% Ch, Annual Rate	5.5	5.3	5.2	5.0	5.0	4.8	4.4	4.4
Transfer Payments	79.558	80.423	81.295	82.178	83.817	84.863	85.910	86.966
% Ch, Annual Rate	7.5	4.4	4.4	4.4	8.2	5.1	5.0	5.0
State U.I. Benefits	0.729	0.741	0.756	0.779	0.806	0.845	0.897	0.955
% Ch, Annual Rate	3.1	6.9	8.4	12.5	14.9	20.6	27.2	28.1
Other Transfers	78.829	79.681	80.539	81.400	83.011	84.018	85.013	86.011
% Ch, Annual Rate	7.5	4.4	4.4	4.3	8.2	4.9	4.8	4.8