

APPENDIX A: ECONOMIC FORECAST DETAIL

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Table A.1 – Employment Forecast Tracking

Total Nonfarm Employment, 1st quarter 2018

(Employment in thousands, Annualized Percent Change)

	Preliminary Estimate		Forecast		Forecast Error		Y/Y Change
	level	% ch	level	% ch	level	%	% ch
Total Nonfarm	1,895.0	2.9	1,895.3	2.2	(0.4)	(0.0)	2.0
Total Private	1,602.5	7.5	1,583.0	2.4	19.6	1.2	3.4
Mining and Logging	6.8	9.6	7.1	3.9	(0.3)	(4.5)	(1.4)
Construction	103.5	11.2	99.5	2.3	4.0	4.0	9.7
Manufacturing	194.1	3.6	191.9	2.1	2.2	1.1	3.2
Durable Goods	134.5	3.9	133.1	2.0	1.5	1.1	3.2
Wood Product	23.3	0.9	23.1	1.4	0.2	0.8	1.6
Metals and Machinery	38.3	4.0	37.9	2.5	0.5	1.2	4.3
Computer and Electronic Product	37.8	3.4	37.5	0.9	0.3	0.8	3.7
Transportation Equipment	12.0	2.2	11.8	5.1	0.2	1.4	2.9
Other Durable Goods	23.2	8.5	22.8	2.0	0.4	1.7	2.5
Nondurable Goods	59.6	2.9	58.9	2.2	0.7	1.2	3.2
Food	30.7	6.8	30.2	0.9	0.6	1.9	3.5
Other Nondurable Goods	28.8	(1.0)	28.7	3.7	0.1	0.5	2.8
Trade, Transportation & Utilities	352.3	2.2	351.3	1.9	1.0	0.3	0.8
Retail Trade	210.4	2.4	210.7	1.4	(0.3)	(0.2)	(0.2)
Wholesale Trade	76.9	1.5	76.5	2.8	0.5	0.6	0.8
Transportation, Warehousing & Utilities	64.9	2.6	64.1	2.1	0.9	1.3	4.0
Information	33.6	(1.2)	34.4	2.2	(0.8)	(2.2)	(1.3)
Financial Activities	100.4	3.6	99.9	3.0	0.5	0.5	1.4
Professional & Business Services	244.9	0.3	248.2	5.4	(3.3)	(1.3)	1.3
Educational & Health Services	293.2	32.3	276.4	2.4	16.8	6.1	8.7
Educational Services	36.6	3.4	36.4	(0.5)	0.2	0.7	3.5
Health Services	256.5	37.2	240.0	2.9	16.6	6.9	9.5
Leisure and Hospitality	209.4	1.9	210.4	0.8	(0.9)	(0.4)	3.0
Other Services	64.3	2.6	63.9	0.1	0.4	0.7	2.3
Government	292.4	(18.4)	312.4	1.3	(20.0)	(6.4)	(5.2)
Federal	28.0	(2.4)	28.0	(0.6)	(0.0)	(0.1)	(0.8)
State	39.0	(77.6)	57.1	(1.3)	(18.2)	(31.8)	(30.5)
State Education	0.8	(61.9)	0.8	(11.0)	(0.1)	(9.3)	0.2
Local	225.5	4.8	227.2	2.2	(1.8)	(0.8)	0.6
Local Education	131.3	5.0	132.4	1.1	(1.1)	(0.8)	(0.3)

Table A.2 – Short-Term Oregon Economic Summary

	Quarterly					Annual					
	2018:1	2018:2	2018:3	2018:4	2019:1	2017	2018	2019	2020	2021	2022
Personal Income (\$ billions)											
Nominal Personal Income	197.7	200.3	203.4	206.4	209.5	192.1	202.0	214.0	225.7	237.2	249.4
% change	6.4	5.4	6.2	6.2	6.2	3.3	5.1	6.0	5.4	5.1	5.1
Real Personal Income (base year=2017)	173.1	174.8	176.6	178.5	180.5	170.5	175.7	182.9	188.2	193.4	198.8
% change	3.5	4.0	4.2	4.5	4.5	1.6	3.1	4.1	2.9	2.7	2.8
Nominal Wages and Salaries	103.4	105.0	106.7	108.3	109.9	99.7	105.9	112.2	118.2	124.0	130.2
% change	9.0	6.6	6.5	6.2	6.1	3.8	6.2	6.0	5.3	4.9	4.9
Other Indicators											
Per Capita Income (\$1,000)	47.2	47.7	48.2	48.7	49.3	46.3	48.0	50.1	52.1	54.1	56.2
% change	5.0	3.9	4.4	4.8	4.9	1.8	3.6	4.5	4.0	3.8	3.9
Average Wage rate (\$1,000)	54.1	54.6	55.2	55.7	56.2	52.8	54.9	57.0	59.3	61.8	64.5
% change	6.1	4.1	4.0	3.8	3.8	1.7	4.0	3.8	4.1	4.2	4.3
Population (Millions)	4.2	4.2	4.2	4.2	4.2	4.15	4.21	4.27	4.33	4.38	4.44
% change	1.3	1.5	1.7	1.3	1.2	1.6	1.5	1.4	1.3	1.3	1.2
Housing Starts (Thousands)	24.1	21.1	21.5	21.8	22.6	19.3	22.1	22.9	24.2	24.8	24.8
% change	79.4	(40.7)	7.1	5.1	15.2	1.4	14.5	3.7	5.5	2.6	(0.1)
Unemployment Rate	4.1	4.2	4.3	4.4	4.5	4.2	4.3	4.5	4.7	4.8	4.9
Point Change	(0.1)	0.1	0.1	0.1	0.1	(0.6)	0.1	0.3	0.1	0.1	0.1
Employment (Thousands)											
Total Nonfarm	1,895.0	1,905.9	1,917.5	1,928.4	1,939.1	1,871.6	1,911.7	1,952.5	1,976.7	1,990.4	2,003.0
% change	2.9	2.3	2.5	2.3	2.2	2.1	2.1	2.1	1.2	0.7	0.6
Private Nonfarm	1,602.5	1,612.4	1,622.9	1,632.6	1,642.2	1,562.6	1,617.6	1,654.0	1,673.5	1,685.3	1,694.8
% change	7.5	2.5	2.6	2.4	2.4	2.3	3.5	2.2	1.2	0.7	0.6
Construction	103.5	103.9	103.7	103.9	104.2	97.6	103.7	104.8	106.3	107.2	107.6
% change	11.2	1.7	(0.6)	0.4	1.3	7.9	6.3	1.0	1.4	0.9	0.4
Manufacturing	194.1	193.7	194.9	195.5	196.0	189.9	194.6	196.7	197.7	197.8	198.0
% change	3.6	(0.9)	2.5	1.3	0.9	0.9	2.5	1.1	0.5	0.1	0.1
Durable Manufacturing	134.5	134.3	135.3	135.8	135.9	131.6	135.0	136.5	137.0	136.5	136.2
% change	3.9	(0.6)	3.0	1.3	0.5	0.3	2.6	1.1	0.4	(0.3)	(0.3)
Wood Product Manufacturing	23.3	23.3	23.3	23.3	23.4	23.0	23.3	23.4	23.7	23.9	23.9
% change	0.9	0.1	(0.1)	1.3	0.1	1.0	1.3	0.5	1.2	0.7	0.3
High Tech Manufacturing	37.8	37.4	37.8	37.9	37.9	36.9	37.7	37.9	37.7	37.3	37.1
% change	3.4	(3.5)	4.6	0.9	(0.8)	(2.4)	2.4	0.3	(0.3)	(1.2)	(0.5)
Transportation Equipment	12.0	11.8	12.1	12.2	12.2	11.9	12.0	12.3	12.1	11.9	11.8
% change	2.2	(6.5)	10.8	2.2	1.7	(2.3)	1.2	2.3	(1.4)	(1.7)	(0.6)
Nondurable Manufacturing	59.6	59.4	59.6	59.8	60.0	58.2	59.6	60.3	60.8	61.3	61.8
% change	2.9	(1.5)	1.5	1.3	1.6	2.3	2.3	1.2	0.8	0.9	0.8
Private nonmanufacturing	1,408.4	1,418.7	1,428.0	1,437.1	1,446.2	1,372.7	1,423.0	1,457.2	1,475.7	1,487.4	1,496.8
% change	8.0	2.9	2.7	2.6	2.6	2.5	3.7	2.4	1.3	0.8	0.6
Retail Trade	210.4	211.0	211.6	212.2	212.7	210.3	211.3	213.5	214.8	215.4	215.8
% change	2.4	1.2	1.0	1.1	1.1	1.6	0.5	1.0	0.6	0.3	0.2
Wholesale Trade	76.9	77.4	77.8	78.2	78.4	76.6	77.6	78.7	79.2	79.6	79.7
% change	1.5	2.5	2.3	1.7	1.4	1.5	1.3	1.4	0.6	0.5	0.2
Information	33.6	34.3	34.5	34.6	34.6	34.1	34.3	34.5	34.6	35.0	35.1
% change	(1.2)	8.2	2.7	1.1	0.5	1.6	0.5	0.6	0.4	1.0	0.3
Professional and Business Services	244.9	248.4	252.0	256.1	260.0	243.1	250.4	265.4	273.6	277.7	281.7
% change	0.3	5.8	5.9	6.6	6.4	2.0	3.0	6.0	3.1	1.5	1.4
Health Services	256.5	258.8	261.0	262.9	264.8	236.2	259.8	267.5	272.5	277.1	280.9
% change	37.2	3.6	3.4	2.9	3.0	2.9	10.0	3.0	1.8	1.7	1.4
Leisure and Hospitality	209.4	210.6	211.9	212.9	214.0	206.0	211.2	214.7	215.1	214.6	214.3
% change	1.9	2.3	2.4	1.9	2.1	3.1	2.5	1.6	0.2	(0.2)	(0.1)
Government	292.4	293.5	294.7	295.8	296.9	309.0	294.1	298.5	303.3	305.1	308.2
% change	(18.4)	1.5	1.6	1.6	1.5	0.7	(4.8)	1.5	1.6	0.6	1.0

Table A.3 – Oregon Economic Forecast Change

	Quarterly					Annual					
	2018:1	2018:2	2018:3	2018:4	2019:1	2017	2018	2019	2020	2021	2022
Personal Income (\$ billions)											
Nominal Personal Income	197.7	200.3	203.4	206.4	209.5	192.1	202.0	214.0	225.7	237.2	249.4
% change	(0.6)	(0.7)	(0.7)	(0.6)	(0.5)	(0.3)	(0.6)	(0.4)	(0.3)	(0.1)	0.2
Real Personal Income (base year=2017)	173.1	174.8	176.6	178.5	180.5	170.5	175.7	182.9	188.2	193.4	198.8
% change	(1.0)	(1.3)	(1.3)	(1.2)	(1.2)	(0.3)	(1.2)	(1.2)	(1.3)	(1.2)	(1.1)
Nominal Wages and Salaries	103.4	105.0	106.7	108.3	109.9	99.7	105.9	112.2	118.2	124.0	130.2
% change	(0.5)	(0.6)	(0.6)	(0.7)	(0.7)	(0.5)	(0.6)	(0.8)	(0.5)	(0.2)	0.2
Other Indicators											
Per Capita Income (\$1,000)	47.2	47.7	48.2	48.7	49.3	46.3	48.0	50.1	52.1	54.1	56.2
% change	(0.6)	(0.7)	(0.7)	(0.6)	(0.5)	(0.3)	(0.6)	(0.4)	(0.3)	(0.1)	0.2
Average Wage rate (\$1,000)	54.1	54.6	55.2	55.7	56.2	52.8	54.9	57.0	59.3	61.8	64.5
% change	(0.5)	(0.6)	(0.6)	(0.6)	(0.7)	(0.3)	(0.6)	(0.8)	(0.7)	(0.5)	(0.2)
Population (Millions)	4.19	4.20	4.22	4.2	4.2	4.15	4.21	4.27	4.33	4.38	4.44
% change	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Housing Starts (Thousands)	24.1	21.1	21.5	21.8	22.6	19.3	22.1	22.9	24.2	24.8	24.8
% change	22.8	3.5	2.6	3.0	4.9	1.7	7.8	3.8	2.1	1.1	(0.1)
Unemployment Rate	4.1	4.2	4.3	4.4	4.5	4.2	4.3	4.5	4.7	4.8	4.9
Point Change	(0.2)	(0.2)	(0.2)	(0.1)	0.0	0.2	(0.2)	0.0	0.0	0.0	0.0
Employment (Thousands)											
Total Nonfarm	1,895.0	1,905.9	1,917.5	1,928.4	1,939.1	1,871.6	1,911.7	1,952.5	1,976.7	1,990.4	2,003.0
% change	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.1)	(0.0)	0.0	0.2	0.3	0.4
Private Nonfarm	1,602.5	1,612.4	1,622.9	1,632.6	1,642.2	1,562.6	1,617.6	1,654.0	1,673.5	1,685.3	1,694.8
% change	1.2	1.2	1.3	1.2	1.2	0.0	1.2	1.3	1.5	1.7	1.8
Construction	103.5	103.9	103.7	103.9	104.2	97.6	103.7	104.8	106.3	107.2	107.6
% change	4.0	4.0	3.7	3.2	3.5	0.5	3.7	3.9	5.0	5.6	5.7
Manufacturing	194.1	193.7	194.9	195.5	196.0	189.9	194.6	196.7	197.7	197.8	198.0
% change	1.1	0.6	0.9	0.9	0.7	0.2	0.9	0.7	0.5	0.2	(0.0)
Durable Manufacturing	134.5	134.3	135.3	135.8	135.9	131.6	135.0	136.5	137.0	136.5	136.2
% change	1.1	0.5	1.0	0.9	0.7	0.1	0.9	0.7	0.4	(0.0)	(0.4)
Wood Product Manufacturing	23.3	23.3	23.3	23.3	23.4	23.0	23.3	23.4	23.7	23.9	23.9
% change	0.8	0.8	0.8	0.8	0.8	0.2	0.8	0.8	0.8	0.8	0.8
High Tech Manufacturing	37.8	37.4	37.8	37.9	37.9	36.9	37.7	37.9	37.7	37.3	37.1
% change	0.8	(0.4)	0.5	0.4	(0.3)	0.0	0.3	(0.8)	(1.4)	(1.8)	(1.8)
Transportation Equipment	12.0	11.8	12.1	12.2	12.2	11.9	12.0	12.3	12.1	11.9	11.8
% change	1.4	(0.9)	1.2	1.4	1.7	0.5	0.8	2.1	0.8	(0.5)	(0.8)
Non-durable Manufacturing	59.6	59.4	59.6	59.8	60.0	58.2	59.6	60.3	60.8	61.3	61.8
% change	1.2	0.7	0.7	0.7	0.7	0.3	0.8	0.7	0.7	0.7	0.7
Private nonmanufacturing	1,408.4	1,418.7	1,428.0	1,437.1	1,446.2	1,372.7	1,423.0	1,457.2	1,475.7	1,487.4	1,496.8
% change	1.3	1.3	1.3	1.3	1.3	0.0	1.3	1.4	1.6	1.9	2.0
Retail Trade	210.4	211.0	211.6	212.2	212.7	210.3	211.3	213.5	214.8	215.4	215.8
% change	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)	0.0	(0.2)	(0.2)	(0.2)	(0.2)	(0.2)
Wholesale Trade	76.9	77.4	77.8	78.2	78.4	76.6	77.6	78.7	79.2	79.6	79.7
% change	0.6	0.6	0.6	0.6	0.6	0.1	0.6	0.6	0.7	0.8	0.7
Information	33.6	34.3	34.5	34.6	34.6	34.1	34.3	34.5	34.6	35.0	35.1
% change	(2.2)	(0.9)	(0.7)	(0.8)	(1.0)	(0.3)	(1.1)	(1.8)	(2.1)	(1.5)	(1.6)
Professional and Business Services	244.9	248.4	252.0	256.1	260.0	243.1	250.4	265.4	273.6	277.7	281.7
% change	(1.3)	(1.3)	(1.3)	(1.3)	(1.3)	(0.1)	(1.3)	(1.3)	(1.3)	(1.4)	(1.2)
Health Services	256.5	258.8	261.0	262.9	264.8	236.2	259.8	267.5	272.5	277.1	280.9
% change	6.9	7.1	7.2	7.3	7.3	(0.1)	7.1	7.5	8.2	8.9	9.2
Leisure and Hospitality	209.4	210.6	211.9	212.9	214.0	206.0	211.2	214.7	215.1	214.6	214.3
% change	(0.4)	(0.4)	(0.3)	(0.2)	(0.1)	(0.2)	(0.3)	(0.0)	0.3	0.6	1.0
Government	292.4	293.5	294.7	295.8	296.9	309.0	294.1	298.5	303.3	305.1	308.2
% change	(6.4)	(6.4)	(6.4)	(6.4)	(6.4)	(0.6)	(6.4)	(6.4)	(6.4)	(6.4)	(6.4)

Table A.4 – Annual Economic Forecast

Jun 2018 - Personal Income**(Billions of Current Dollars)**

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Total Personal Income*												
Oregon	185.8	192.1	202.0	214.0	225.7	237.2	249.4	261.6	273.8	286.3	299.5	312.7
% Ch	4.2	3.3	5.1	6.0	5.4	5.1	5.1	4.9	4.7	4.6	4.6	4.4
U.S.	15,928.7	16,427.3	17,159.0	18,081.6	19,002.9	19,907.5	20,813.0	21,769.9	22,709.0	23,666.7	24,672.7	25,683.8
% Ch	2.4	3.1	4.5	5.4	5.1	4.8	4.5	4.6	4.3	4.2	4.3	4.1
Wage and Salary												
Oregon	96.0	99.7	105.9	112.2	118.2	124.0	130.2	136.5	143.1	149.8	156.8	163.9
% Ch	5.4	3.8	6.2	6.0	5.3	4.9	4.9	4.9	4.8	4.7	4.7	4.5
U.S.	8,085.2	8,351.2	8,762.3	9,214.9	9,678.8	10,145.1	10,623.8	11,136.1	11,650.8	12,175.3	12,716.6	13,264.8
% Ch	2.9	3.3	4.9	5.2	5.0	4.8	4.7	4.8	4.6	4.5	4.4	4.3
Other Labor Income												
Oregon	22.2	23.0	23.8	25.0	26.4	27.9	29.4	30.9	32.3	33.7	35.0	36.3
% Ch	5.0	4.0	3.1	5.1	5.6	5.7	5.3	5.1	4.7	4.2	3.9	3.5
U.S.	1,309.8	1,345.8	1,385.4	1,454.0	1,526.6	1,599.5	1,672.4	1,750.8	1,825.5	1,891.6	1,954.0	2,016.4
% Ch	2.5	2.7	2.9	5.0	5.0	4.8	4.6	4.7	4.3	3.6	3.3	3.2
Nonfarm Proprietor's Income												
Oregon	14.3	15.1	16.0	17.0	17.6	17.9	18.2	18.4	18.7	19.3	20.2	20.9
% Ch	9.5	5.1	6.0	6.7	3.5	1.2	1.7	1.2	1.9	3.0	4.4	3.9
U.S.	1,298.7	1,350.9	1,424.0	1,517.4	1,566.6	1,582.0	1,589.9	1,591.2	1,601.8	1,628.1	1,669.3	1,712.5
% Ch	2.7	4.0	5.4	6.6	3.2	1.0	0.5	0.1	0.7	1.6	2.5	2.6
Dividend, Interest and Rent												
Oregon	36.8	38.0	39.9	42.3	44.9	47.7	50.5	53.1	55.5	57.8	60.2	62.6
% Ch	1.8	3.4	4.9	6.1	6.1	6.1	5.9	5.2	4.4	4.1	4.3	3.9
U.S.	3,085.1	3,186.3	3,323.0	3,494.2	3,690.6	3,902.6	4,117.5	4,318.4	4,495.3	4,669.2	4,863.2	5,052.3
% Ch	1.2	3.3	4.3	5.2	5.6	5.7	5.5	4.9	4.1	3.9	4.2	3.9
Transfer Payments												
Oregon	36.6	37.2	38.6	40.6	42.8	45.3	47.9	50.8	53.5	56.4	59.3	62.3
% Ch	2.4	1.6	3.7	5.3	5.3	5.7	5.9	5.9	5.5	5.4	5.2	5.0
U.S.	2,722.1	2,819.5	2,961.1	3,121.3	3,301.1	3,497.4	3,714.1	3,946.3	4,197.8	4,464.3	4,739.3	5,023.8
% Ch	3.6	3.6	5.0	5.4	5.8	5.9	6.2	6.3	6.4	6.3	6.2	6.0
Contributions for Social Security												
Oregon	16.7	17.5	18.4	19.4	20.4	21.5	22.5	23.7	24.9	26.2	27.4	28.5
% Ch	4.6	5.0	5.0	5.2	5.3	5.2	4.9	5.4	5.1	4.9	4.6	4.3
U.S.	661.7	692.1	720.3	752.8	787.9	824.1	861.8	902.6	943.7	985.8	1,029.2	1,073.4
% Ch	3.9	4.6	4.1	4.5	4.7	4.6	4.6	4.7	4.6	4.5	4.4	4.3
Residence Adjustment												
Oregon	(3.9)	(4.0)	(4.2)	(4.3)	(4.4)	(4.5)	(4.6)	(4.7)	(4.8)	(5.0)	(5.1)	(5.3)
% Ch	5.6	3.0	2.7	2.5	2.8	2.7	2.3	2.5	2.8	2.9	2.5	3.0
Farm Proprietor's Income												
Oregon	0.5	0.6	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
% Ch	(40.9)	10.6	(30.3)	7.9	10.8	(6.8)	(12.4)	2.7	4.7	2.1	1.2	1.6
Per Capita Income (Thousands of \$)												
Oregon	45.5	46.3	48.0	50.1	52.1	54.1	56.2	58.3	60.3	62.4	64.6	66.8
% Ch	2.6	1.8	3.6	4.5	4.0	3.8	3.9	3.7	3.5	3.5	3.5	3.4
U.S.	49.2	50.4	52.3	54.7	57.1	59.4	61.6	64.0	66.3	68.7	71.2	73.6
% Ch	1.7	2.4	3.7	4.6	4.4	4.0	3.8	3.9	3.6	3.5	3.6	3.4

* Personal Income includes all classes of income minus Contributions for Social Security

**Jun 2018 - Employment By Industry
(Oregon - Thousands, U.S. - Millions)**

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Total Nonfarm												
Oregon	1,833.6	1,871.6	1,911.7	1,952.5	1,976.7	1,990.4	2,003.0	2,014.6	2,024.4	2,034.3	2,045.1	2,056.3
% Ch	3.0	2.1	2.1	2.1	1.2	0.7	0.6	0.6	0.5	0.5	0.5	0.5
U.S.	144.3	146.6	149.1	151.7	153.3	154.0	154.5	155.0	155.2	155.4	155.7	156.2
% Ch	1.8	1.6	1.7	1.7	1.0	0.5	0.3	0.3	0.2	0.1	0.2	0.3
Private Nonfarm												
Oregon	1,526.9	1,562.6	1,617.6	1,654.0	1,673.5	1,685.3	1,694.8	1,703.7	1,710.8	1,717.6	1,725.1	1,732.6
% Ch	3.2	2.3	3.5	2.2	1.2	0.7	0.6	0.5	0.4	0.4	0.4	0.4
U.S.	122.1	124.3	126.8	129.2	130.4	131.1	131.4	131.7	131.8	131.8	131.9	132.3
% Ch	1.9	1.8	2.0	1.9	1.0	0.5	0.2	0.2	0.1	0.0	0.1	0.2
Mining and Logging												
Oregon	7.1	6.9	6.9	7.1	7.1	7.1	7.2	7.2	7.2	7.2	7.3	7.3
% Ch	(1.2)	(3.8)	1.1	1.9	0.5	0.4	0.3	0.3	0.4	0.6	0.5	0.4
U.S.	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
% Ch	(17.8)	1.5	8.5	3.5	2.8	2.1	1.3	1.2	1.2	0.2	(0.7)	(0.5)
Construction												
Oregon	90.4	97.6	103.7	104.8	106.3	107.2	107.6	108.4	108.5	108.5	109.1	109.6
% Ch	8.6	7.9	6.3	1.0	1.4	0.9	0.4	0.7	0.1	0.1	0.5	0.5
U.S.	6.7	7.0	7.2	7.5	7.8	8.0	8.2	8.4	8.5	8.6	8.6	8.7
% Ch	4.1	3.4	3.4	3.9	4.4	2.8	2.2	2.0	1.3	1.0	1.0	0.7
Manufacturing												
Oregon	188.1	189.9	194.6	196.7	197.7	197.8	198.0	198.1	198.4	199.3	200.2	201.1
% Ch	1.0	0.9	2.5	1.1	0.5	0.1	0.1	0.1	0.2	0.4	0.5	0.4
U.S.	12.4	12.4	12.7	12.9	13.0	12.9	12.8	12.7	12.7	12.7	12.7	12.7
% Ch	0.1	0.7	1.8	2.1	0.7	(0.7)	(1.1)	(0.5)	(0.4)	0.2	0.1	(0.2)
Durable Manufacturing												
Oregon	131.2	131.6	135.0	136.5	137.0	136.5	136.2	135.9	135.7	135.8	136.2	136.5
% Ch	0.6	0.3	2.6	1.1	0.4	(0.3)	(0.3)	(0.2)	(0.1)	0.1	0.3	0.2
U.S.	7.7	7.7	7.9	8.2	8.2	8.1	8.0	8.0	7.9	7.9	8.0	8.0
% Ch	(0.7)	0.3	2.4	2.9	0.9	(1.0)	(1.5)	(0.8)	(0.6)	0.3	0.3	(0.1)
Wood Products												
Oregon	22.8	23.0	23.3	23.4	23.7	23.9	23.9	24.0	24.1	24.2	24.3	24.3
% Ch	1.2	1.0	1.3	0.5	1.2	0.7	0.3	0.4	0.5	0.4	0.2	0.2
U.S.	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5
% Ch	2.7	1.1	1.3	2.7	4.6	(0.9)	0.3	2.9	3.4	2.5	0.7	0.3
Metal and Machinery												
Oregon	36.6	37.3	38.7	39.4	39.7	39.6	39.4	39.3	39.4	39.6	39.9	40.1
% Ch	(0.6)	1.7	3.8	1.8	0.7	(0.1)	(0.5)	(0.3)	0.2	0.6	0.7	0.4
U.S.	2.9	2.9	3.0	3.1	3.2	3.1	3.1	3.1	3.1	3.2	3.2	3.2
% Ch	(3.4)	0.4	3.6	3.6	1.9	(0.6)	(0.9)	0.4	1.0	1.1	0.6	(0.4)
Computer and Electronic Products												
Oregon	37.8	36.9	37.7	37.9	37.7	37.3	37.1	36.8	36.6	36.4	36.3	36.2
% Ch	0.2	(2.4)	2.4	0.3	(0.3)	(1.2)	(0.5)	(0.7)	(0.7)	(0.5)	(0.2)	(0.2)
U.S.	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
% Ch	(0.5)	(0.5)	2.5	2.0	(0.1)	(0.6)	0.6	0.4	(0.1)	0.0	(0.3)	(0.7)
Transportation Equipment												
Oregon	12.1	11.9	12.0	12.3	12.1	11.9	11.8	11.7	11.6	11.6	11.5	11.5
% Ch	(2.7)	(2.3)	1.2	2.3	(1.4)	(1.7)	(0.6)	(1.0)	(0.8)	(0.7)	(0.4)	0.1
U.S.	1.6	1.6	1.6	1.7	1.6	1.6	1.5	1.5	1.4	1.4	1.4	1.4
% Ch	1.6	0.1	0.3	1.3	(1.2)	(1.9)	(4.6)	(5.0)	(4.6)	(2.4)	0.4	1.4
Other Durables												
Oregon	21.9	22.6	23.3	23.5	23.8	23.9	23.9	24.0	24.0	24.1	24.2	24.4
% Ch	4.5	3.5	2.8	1.2	0.9	0.4	0.2	0.3	0.1	0.2	0.5	0.8
U.S.	2.2	2.2	2.2	2.3	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3
% Ch	1.3	0.9	2.3	3.7	1.6	(1.2)	(1.2)	(0.0)	(0.3)	1.1	0.2	(0.1)
Nondurable Manufacturing												
Oregon	56.9	58.2	59.6	60.3	60.8	61.3	61.8	62.2	62.7	63.4	64.0	64.6
% Ch	2.1	2.3	2.3	1.2	0.8	0.9	0.8	0.7	0.8	1.1	1.0	0.8
U.S.	4.6	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7
% Ch	1.5	1.4	0.7	0.8	0.3	(0.1)	(0.3)	0.1	(0.2)	(0.0)	(0.3)	(0.4)
Food Manufacturing												
Oregon	29.1	29.9	30.7	31.2	31.5	31.8	32.0	32.2	32.4	32.7	33.1	33.4
% Ch	3.1	2.5	2.9	1.6	0.7	1.0	0.8	0.4	0.7	1.0	1.1	1.1
U.S.	1.6	1.6	1.6	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8
% Ch	3.0	3.0	0.9	2.7	1.4	1.3	1.1	1.7	1.4	1.3	0.9	0.6
Other Nondurable												
Oregon	27.8	28.4	28.9	29.0	29.3	29.5	29.8	30.1	30.3	30.7	31.0	31.1
% Ch	0.9	2.1	1.6	0.6	0.9	0.7	0.8	1.0	0.9	1.2	0.8	0.5
U.S.	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	2.9	2.9
% Ch	0.8	0.6	0.6	(0.1)	(0.3)	(0.8)	(1.1)	(0.9)	(1.1)	(0.8)	(1.0)	(1.1)
Trade, Transportation, and Utilities												
Oregon	343.5	350.0	354.3	358.6	360.5	361.7	362.4	362.8	362.5	362.1	362.2	362.3
% Ch	1.8	1.9	1.2	1.2	0.6	0.3	0.2	0.1	(0.1)	(0.1)	0.0	0.1
U.S.	27.3	27.5	27.8	28.0	28.0	27.8	27.6	27.4	27.1	26.9	26.8	26.8
% Ch	1.4	0.8	1.1	0.8	(0.2)	(0.5)	(0.7)	(0.9)	(1.0)	(0.7)	(0.3)	(0.1)

**Jun 2018 - Employment By Industry
(Oregon - Thousands, U.S. - Millions)**

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Retail Trade												
Oregon	206.9	210.3	211.3	213.5	214.8	215.4	215.8	216.1	215.8	215.5	215.6	215.7
% Ch	1.5	1.6	0.5	1.0	0.6	0.3	0.2	0.1	(0.1)	(0.1)	0.1	0.0
U.S.	15.8	15.9	15.9	15.9	15.9	15.7	15.6	15.4	15.1	15.0	14.9	14.9
% Ch	1.4	0.2	0.2	0.4	(0.5)	(0.8)	(1.0)	(1.4)	(1.4)	(1.0)	(0.5)	0.1
Wholesale Trade												
Oregon	75.4	76.6	77.6	78.7	79.2	79.6	79.7	79.8	79.8	79.7	79.6	79.6
% Ch	2.0	1.5	1.3	1.4	0.6	0.5	0.2	0.1	(0.0)	(0.1)	(0.1)	(0.0)
U.S.	5.9	5.9	6.0	6.1	6.2	6.2	6.2	6.2	6.2	6.1	6.1	6.1
% Ch	0.1	0.7	2.1	1.6	0.5	0.2	(0.0)	0.0	(0.1)	(0.3)	(0.4)	(0.3)
Transportation and Warehousing, and Utilities												
Oregon	61.1	63.2	65.4	66.4	66.6	66.8	66.9	66.9	66.9	66.9	66.9	67.0
% Ch	2.7	3.4	3.5	1.4	0.3	0.3	0.1	0.1	(0.0)	0.0	0.0	0.2
U.S.	5.6	5.7	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.8	5.8
% Ch	2.7	2.8	2.8	1.1	(0.2)	(0.5)	(0.7)	(0.6)	(0.7)	(0.2)	0.1	(0.3)
Information												
Oregon	33.6	34.1	34.3	34.5	34.6	35.0	35.1	35.1	35.0	34.9	34.8	34.8
% Ch	2.0	1.6	0.5	0.6	0.4	1.0	0.3	(0.0)	(0.2)	(0.3)	(0.3)	(0.1)
U.S.	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7
% Ch	1.6	(0.0)	(1.0)	0.3	0.5	1.3	0.3	(0.5)	(0.6)	(1.1)	(1.5)	(1.5)
Financial Activities												
Oregon	96.9	99.4	101.6	103.5	104.6	105.1	105.1	105.1	105.0	104.6	104.2	103.9
% Ch	2.2	2.6	2.2	1.9	1.0	0.5	(0.0)	0.0	(0.1)	(0.4)	(0.4)	(0.3)
U.S.	8.3	8.5	8.6	8.7	8.8	8.9	8.9	8.9	8.8	8.8	8.7	8.7
% Ch	2.0	2.0	1.7	1.4	1.5	0.7	(0.2)	(0.1)	(0.3)	(0.6)	(0.6)	(0.6)
Professional and Business Services												
Oregon	238.4	243.1	250.4	265.4	273.6	277.7	281.7	285.5	288.4	291.8	295.0	297.6
% Ch	4.0	2.0	3.0	6.0	3.1	1.5	1.4	1.3	1.0	1.1	1.1	0.9
U.S.	20.0	20.5	21.1	22.3	23.0	23.3	23.6	23.9	24.2	24.5	24.8	25.1
% Ch	2.1	2.1	3.2	5.7	3.0	1.5	1.3	1.3	1.1	1.2	1.5	1.2
Education and Health Services												
Oregon	265.2	272.3	296.5	304.4	309.6	314.5	318.6	322.4	325.9	328.4	330.6	332.9
% Ch	3.4	2.7	8.9	2.7	1.7	1.6	1.3	1.2	1.1	0.8	0.7	0.7
U.S.	22.6	23.2	23.6	23.9	24.0	24.1	24.3	24.4	24.5	24.5	24.6	24.7
% Ch	2.8	2.4	2.0	1.0	0.4	0.6	0.6	0.6	0.4	0.1	0.2	0.5
Educational Services												
Oregon	35.7	36.1	36.6	36.8	37.2	37.5	37.7	37.8	37.9	38.0	38.0	38.0
% Ch	1.2	1.0	1.6	0.5	0.9	0.8	0.6	0.2	0.3	0.3	0.0	0.1
U.S.	3.6	3.7	3.7	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0	3.0
% Ch	2.9	2.8	0.4	(2.1)	(2.4)	(2.3)	(2.1)	(2.4)	(2.4)	(2.7)	(2.6)	(2.2)
Health Care and Social Assistance												
Oregon	229.5	236.2	259.8	267.5	272.5	277.1	280.9	284.6	288.0	290.4	292.7	294.9
% Ch	3.8	2.9	10.0	3.0	1.8	1.7	1.4	1.3	1.2	0.8	0.8	0.8
U.S.	19.1	19.5	20.0	20.3	20.5	20.7	20.9	21.1	21.3	21.4	21.5	21.7
% Ch	2.8	2.3	2.3	1.6	0.9	1.1	1.0	1.0	0.9	0.5	0.6	0.9
Leisure and Hospitality												
Oregon	199.8	206.0	211.2	214.7	215.1	214.6	214.3	214.2	214.6	215.2	215.7	216.8
% Ch	4.3	3.1	2.5	1.6	0.2	(0.2)	(0.1)	(0.1)	0.2	0.3	0.2	0.5
U.S.	15.7	16.1	16.4	16.6	16.6	16.7	16.8	16.8	16.9	16.8	16.7	16.6
% Ch	3.3	2.6	2.4	0.8	0.3	0.7	0.4	0.2	0.0	(0.5)	(0.7)	(0.1)
Other Services												
Oregon	63.9	63.4	64.1	64.4	64.3	64.5	64.8	65.0	65.2	65.6	66.0	66.2
% Ch	4.9	(0.7)	1.2	0.4	(0.1)	0.2	0.5	0.2	0.4	0.6	0.6	0.3
U.S.	5.7	5.8	5.8	5.7	5.6	5.6	5.6	5.5	5.5	5.4	5.4	5.4
% Ch	1.2	1.5	0.4	(1.5)	(1.3)	(0.9)	(0.6)	(0.8)	(0.7)	(0.8)	(0.5)	(0.2)
Government												
Oregon	306.8	309.0	294.1	298.5	303.3	305.1	308.2	310.9	313.6	316.7	320.0	323.7
% Ch	1.9	0.7	(4.8)	1.5	1.6	0.6	1.0	0.9	0.9	1.0	1.0	1.2
U.S.	22.2	22.3	22.4	22.6	22.9	22.9	23.1	23.3	23.5	23.6	23.8	24.0
% Ch	0.9	0.4	0.3	0.8	1.4	0.2	0.8	0.8	0.8	0.7	0.7	0.7
Federal Government												
Oregon	28.3	28.2	28.0	28.0	29.4	28.2	28.2	28.2	28.2	28.2	28.2	28.2
% Ch	1.9	(0.3)	(0.7)	0.0	5.0	(4.2)	0.0	0.0	(0.0)	0.0	(0.0)	0.0
U.S.	2.8	2.8	2.8	2.8	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.8
% Ch	1.4	0.4	(0.4)	(0.0)	4.5	(4.3)	0.0	0.0	0.0	0.0	0.0	0.0
State Government, Oregon												
State Total	55.9	56.4	39.2	39.8	40.1	40.4	40.9	41.3	41.7	42.1	42.7	43.3
% Ch	(3.6)	1.0	(30.5)	1.5	0.7	0.9	1.2	1.0	0.9	1.0	1.3	1.5
State Education	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9
% Ch	(77.1)	4.5	(7.9)	1.2	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2
Local Government, Oregon												
Local Total	222.6	224.4	226.9	230.7	233.8	236.5	239.1	241.4	243.7	246.3	249.1	252.2
% Ch	3.3	0.8	1.1	1.7	1.3	1.2	1.1	0.9	1.0	1.1	1.1	1.2
Local Education	131.2	131.7	131.7	132.7	133.6	134.5	135.3	136.0	136.5	137.0	137.7	138.5
% Ch	4.1	0.4	0.0	0.8	0.7	0.7	0.6	0.5	0.4	0.3	0.5	0.6

Jun 2018 - Other Economic Indicators

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
GDP (Bil of 2009 \$),												
Chain Weight (in billions of \$)	16,716.2	17,096.2	17,559.0	18,074.7	18,457.3	18,768.6	19,074.5	19,395.0	19,729.4	20,074.3	20,429.1	20,779.1
% Ch	1.5	2.3	2.7	2.9	2.1	1.7	1.6	1.7	1.7	1.7	1.8	1.7
Price and Wage Indicators												
GDP Implicit Price Deflator,												
Chain Weight U.S., 2009=100	111.4	113.4	115.7	118.6	121.8	124.9	128.1	131.1	134.1	137.1	140.2	143.2
% Ch	1.3	1.8	2.0	2.5	2.7	2.6	2.5	2.4	2.3	2.3	2.2	2.2
Personal Consumption Deflator,												
Chain Weight U.S., 2009=100	110.8	112.7	114.9	117.0	119.9	122.6	125.4	128.2	130.9	133.7	136.6	139.4
% Ch	1.2	1.7	2.0	1.8	2.4	2.3	2.3	2.2	2.2	2.2	2.1	2.1
CPI, Urban Consumers, 1982-84=100												
West Region, Urban Size A	254.3	262.0	269.9	275.1	283.5	290.9	298.0	305.2	312.8	320.4	328.0	335.7
% Ch	2.2	3.0	3.0	1.9	3.1	2.6	2.4	2.4	2.5	2.4	2.4	2.3
U.S.	240.0	245.1	250.8	255.0	262.4	268.8	275.1	281.6	288.1	294.8	301.4	308.1
% Ch	1.3	2.1	2.3	1.7	2.9	2.5	2.3	2.4	2.3	2.3	2.3	2.2
Oregon Average Wage												
Rate (Thous \$)	51.9	52.8	54.9	57.0	59.3	61.8	64.5	67.3	70.2	73.2	76.2	79.2
% Ch	2.2	1.7	4.0	3.8	4.1	4.2	4.3	4.3	4.3	4.2	4.1	4.0
U.S. Average Wage												
Wage Rate (Thous \$)	56.0	57.0	58.8	60.7	63.1	65.9	68.8	71.9	75.1	78.3	81.7	84.9
% Ch	1.1	1.7	3.2	3.4	4.0	4.3	4.4	4.5	4.4	4.4	4.2	4.0
Housing Indicators												
FHFA Oregon Housing Price Index												
1991 Q1=100	367.6	398.2	422.8	449.1	475.0	499.2	522.7	546.5	569.9	592.9	616.8	641.2
% Ch	11.3	8.3	6.2	6.2	5.8	5.1	4.7	4.5	4.3	4.0	4.0	4.0
FHFA National Housing Price Index												
1991 Q1=100	232.4	248.0	261.7	274.8	286.3	298.7	310.4	323.0	335.9	348.6	361.6	375.3
% Ch	6.1	6.7	5.6	5.0	4.2	4.4	3.9	4.1	4.0	3.8	3.7	3.8
Housing Starts												
Oregon (Thous)	19.1	19.3	22.1	22.9	24.2	24.8	24.8	24.9	24.4	23.9	23.7	23.5
% Ch	19.9	1.4	14.5	3.7	5.5	2.6	(0.1)	0.3	(2.0)	(2.1)	(0.5)	(0.8)
U.S. (Millions)	1.2	1.2	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3
% Ch	6.3	2.6	8.7	4.7	1.3	1.0	0.6	(0.4)	(1.5)	(0.8)	(2.0)	(4.1)
Other Indicators												
Unemployment Rate (%)												
Oregon	4.8	4.2	4.3	4.5	4.7	4.8	4.9	5.0	5.1	5.1	5.1	5.1
Point Change	(0.8)	(0.6)	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0
U.S.	4.9	4.4	3.9	3.6	3.6	3.7	4.0	4.3	4.6	4.7	4.8	4.8
Point Change	(0.4)	(0.5)	(0.4)	(0.4)	0.1	0.1	0.2	0.3	0.3	0.1	0.1	0.0
Industrial Production Index												
U.S, 2002 = 100	102.1	103.7	109.1	112.7	115.1	116.9	118.5	120.3	121.9	123.7	125.9	127.9
% Ch	(1.9)	1.6	5.2	3.3	2.1	1.6	1.4	1.5	1.3	1.5	1.8	1.6
Prime Rate (Percent)												
Rate	3.5	4.1	4.9	5.8	6.4	6.5	6.5	6.4	6.1	6.0	5.9	5.8
% Ch	7.7	16.7	19.7	19.1	9.4	1.7	0.0	(2.1)	(3.9)	(1.8)	(2.3)	(1.9)
Population (Millions)												
Oregon	4.09	4.15	4.21	4.27	4.33	4.38	4.44	4.49	4.54	4.59	4.64	4.68
% Ch	1.5	1.6	1.5	1.4	1.3	1.3	1.2	1.2	1.1	1.1	1.0	1.0
U.S.	323.7	325.9	328.3	330.7	333.1	335.4	337.7	340.0	342.3	344.5	346.8	349.0
% Ch	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6
Timber Harvest (Mil Bd Ft)												
Oregon	3,888.3	3,700.0	3,915.4	3,972.3	4,047.9	4,110.7	4,175.6	4,126.6	4,128.9	4,179.4	4,176.9	4,173.0
% Ch	2.6	(4.8)	5.8	1.5	1.9	1.5	1.6	(1.2)	0.1	1.2	(0.1)	(0.1)