

Appendix 1a

Population and employment forecast for the Portland-Vancouver-Hillsboro metropolitan statistical area (2015 - 2035)

Introduction

Under ORS 195.025, Metro is the governing body responsible for coordinating all planning activities affecting land uses in the urban portions of Clackamas, Multnomah and Washington Counties, which are contained within the metropolitan service district boundary. The purpose for this coordinating responsibility is to assure an integrated comprehensive plan for the entire urbanized area. The coordinating body – Metro – is required by ORS 195.036 to establish and maintain a population forecast (and employment forecast) for the entire area within its boundary for use in maintaining and updating comprehensive plans, and shall coordinate the regional forecast with the local governments in its boundary. ORS 197.299 directs Metro to complete an assessment of urban growth boundary sufficiency that includes a complete inventory, determination and analysis of need every 5 years. The regional forecast becomes an essential piece of determining need for housing and employment in the analysis of buildable land supply sufficiency.

What's been updated in the 2014 regional forecast?

- IHS Global Insight U.S. macroeconomic (November 2013) provides the economic backdrop for the regional forecast past year 2040.
- 2012 National Population Projections for future birth rates, death rates and immigration provide the basis for adjusting regional population trends going forward.
- Economic equations in the regional econometric model have been re-estimated and the overall model re-calibrated to reflect the latest historical data available for employment (U.S. Bureau of Labor Statistics (BLS)), income and wages (Bureau of Economic analysis (BEA)), input-output coefficients (BEA), and population (Census, Oregon and Washington).

What trends can be seen in the 2014 regional forecast?

- Historically weak U.S. economic recovery dampening the outlook for U.S. gross domestic product (GDP)
- Resulting in less economic stimulus for the region in future years (*current baseline employment outlook is close to the "lower middle-third" of the range forecast that was adopted by the Metro Council in 2010*)
- Downshift in U.S. population projection – fertility and immigration adjusted lower
- Resulting in lower natural population increase in the region
- Net in-migration is expected to be on par with historical trends (*just not as robust as the forecast from 5-years ago*)

- A slower national economy and lower demographic growth factors combine to make a more muted regional population outlook (*current baseline population forecast is lower than the “lower middle-third” forecast*)

The Great Recession (Dec. 2007 to June 2009) continues to weigh heavily against the future growth projections. The recession eliminated (from peak to trough) nearly 100,000 jobs in the Portland-Vancouver-Hillsboro, OR-WA MSA. The bi-state MSA (metropolitan statistical area) is comprised of 7 counties (Clackamas, Columbia, Multnomah, Washington and Yamhill counties in Oregon and Clark and Skamania counties in Washington)¹. Nearly 5 years after the recession, the regional economy continues to struggle with lackluster job growth, stubbornly high unemployment and low business/consumer confidence. The recovery has been unusually feeble and this anemic growth expansion provides a weaker basis going forward for the regional forecast.

The national outlook from IHS Global Insight projects much lower U.S. GDP growth as compared to the 2009 vintage regional forecast. Less GDP growth means lower job growth expectations for the U.S. job market and the regional job outlook. The regional job market has been slow to respond to economic stimuli and is just now barely back to pre-recession levels. Meanwhile, the population and labor force in the region has continued to grow, but weaker-than-expected job growth continues to sideline potential workers. So, the “actual” unemployment is at least double the reported headline unemployment rate and there are much larger numbers of under-employed workers than normal. The weak job market has hurt recent graduates and younger aged workers the most, and their lack of engagement in the real economy is expected have a long-lasting impact that will linger to dampen the economic recovery for more years to come.

The weaker recovery is expected to keep migration levels at moderate levels similar to historical levels. The regional forecast does not anticipate unusually large net in-migration flow.

The U.S. population is projected to grow at a slower pace over the coming years than was projected 5 years ago. The 2012 Census national population updates projects significantly lower foreign immigration and fertility rates. A lower fertility rate and a delay before a woman has her first child means that the typical American woman will bear fewer children during her lifetime. The Census also asserts that net immigration levels will be 24.4 million fewer than previous expectations. Factoring in the downsizing in immigration levels and lower fertility rates translates into lower expectations of in-migration and lower natural population increase in the region population than previously anticipated.

¹ The Whitehouse OMB is responsible for metropolitan area delineations. This link provides official notice and information about the standards and practices for update of metropolitan statistical areas: http://www.whitehouse.gov/omb/inforeg_statpolicy/#ms .

What a difference 5-years makes in between the 2014 regional forecast (baseline trend) vs. 2009 regional forecast (“lower middle-third”)

	2009 vintage regional forecast (<i>lower middle-third</i>)		2014 vintage regional forecast (<i>baseline</i>)		Difference	
	Population	Employment	Population	Employment	Population	Employment
2000	1,927,881	973,230	1,927,881	973,230	0	0
2005	2,092,906	983,680	2,067,325	983,530	-25,581	-150
2010	2,258,600	986,300	2,226,000	968,830	-32,600	-17,470
2015	2,494,800	1,090,800	2,342,500	1,100,000	-152,300	9,200
2020	2,682,900	1,189,600	2,519,200	1,228,100	-163,700	38,500
2025	2,853,700	1,282,100	2,671,800	1,311,600	-181,900	29,500
2030	3,015,600	1,380,200	2,814,100	1,399,800	-201,500	19,600
2035	3,167,900	1,486,900	2,937,900	1,484,500	-230,000	-2,400
2040	3,322,300	1,596,100	3,052,100	1,571,300	-270,200	-24,800
APR% (2000-40)	1.37%	1.24%	1.16%	1.20%		
Portland-Vancouver-Hillsboro, OR-WA, MSA						
Source: 2009 UGR, 2014 UGR						

Comparing Portland Metro's population forecasts and other forecasts

Portland MSA

Metro Regional Population Forecasts				
(7-county* MSA)			(7-county MSA)	
	2010 release	%APR	2014 release	%APR
2000	1,927,881	2.0%	1,927,881	2.0%
2005	2,092,906	1.7%	2,067,325	1.4%
2010	2,226,009	1.2%	2,226,000	1.5%
2015	2,494,800	2.3%	2,342,500	1.0%
2020	2,682,900	1.5%	2,519,200	1.5%
2025	2,853,700	1.2%	2,671,800	1.2%
2030	3,015,600	1.1%	2,814,100	1.0%
2035	3,167,900	1.0%	2,937,900	0.9%
2040	3,322,300	1.0%	3,052,100	0.8%
2010-40 APR%			1.3%	1.1%
source: Metro Research Center (baseline medium growth scenario)				
* 7 counties = Clackamas, Columbia, Multnomah, Washington, Yamhill, Clark and Skamania				

OEA / OFM Regional Population Forecast				
(7-county MSA)				
	2012/13 release	%APR		
2000	1,927,881	2.0%		
2005	2,067,325	1.4%		
2010	2,229,899	1.5%		
2015	2,346,849	1.0%		
2020	2,509,701	1.4%		
2025	2,678,730	1.3%		
2030	2,840,509	1.2%		
2035	2,987,264	1.0%		
2040	3,121,048	0.9%		
1.1%				
source: Oregon Office of Economic Analysis, Kanhaiya Vaidya (2013 release) Washington Office of Financial Management (2012 release)				

IHS Global Insight Portland MSA Population Forecast								
(5-county PMSA)			(7-county MSA)			(7-county MSA)		
	Sep 2001			Sep 2008			Sep. 2013	
	release	%APR		release	%APR		release	%APR
2000	1,875,000	2.0%		1,942,000	2.1%		1,940,510	2.1%
2005	2,019,000	1.5%		2,297,000	3.4%		2,072,256	1.3%
2010	2,155,000	1.3%		2,474,000	1.5%		2,236,413	1.5%
2015	2,284,000	1.2%		2,637,000	1.3%		2,380,688	1.3%
2020	2,419,000	1.2%		2,794,000	1.2%		2,525,884	1.2%
2025	2,558,000	1.1%		2,947,000	1.1%		2,651,944	1.0%
2030				3,096,000	1.0%		2,769,572	0.9%
2035				3,245,000	0.9%		2,884,610	0.8%
2040							2,997,777	0.8%
	1.1%			1.1%			1.0%	
source: IHS Global Insight Regional Services								

Portland MSA

Oregon State

OEA Oregon Population Forecasts				
	2004 release	%APR	2013 release	%APR
2000	3,436,750	1.5%	3,431,100	1.5%
2005	3,618,200	1.0%	3,626,900	1.1%
2010	3,843,900	1.2%	3,837,300	1.1%
2015	4,095,708	1.3%	4,001,600	0.8%
2020	4,359,258	1.3%	4,252,100	1.2%
2025	4,626,015	1.2%	4,516,200	1.2%
2030	4,891,225	1.1%	4,768,000	1.1%
2035	5,154,793	1.1%	4,995,200	0.9%
2040	5,425,408	1.0%	5,203,000	0.8%
2010-40 APR%			1.2%	1.0%
source: Oregon Office of Economic Analysis, http://www.oregon.gov/DAS/OEA/Pages/demographic.aspx				

Census Oregon State Population Projections					
	1996			2005	
	release	%APR		release	%APR
2000	3,397,000	1.6%		3,421,399	1.4%
2005	3,613,000	1.2%		3,596,083	1.0%
2010	3,803,000			3,790,996	1.1%
2015	3,992,000	1.0%		4,012,924	1.1%
2020	4,177,000			4,260,393	1.2%
2025	4,349,000	0.9%		4,536,418	1.3%
2030	N/A			4,833,918	1.3%
2035	N/A			N/A	
2040	N/A			N/A	
	0.9%			1.2%	
source: U.S. Census , State Population Projections					
http://www.census.gov/population/projections/data/state/index.html					

IHS Global Insight Oregon Population Forecasts						
	2008 release		%APR	Oct. 2013 release		%APR
2000	3,436,350		1.5%	3,434,800		1.5%
2005	3,638,420		1.1%	3,621,200		1.1%
2010	3,920,340		1.5%	3,842,100		1.2%
2015	4,178,350		1.3%	4,006,900		0.8%
2020	4,408,740		1.1%	4,195,800		0.9%
2025	4,624,020		1.0%	4,370,500		0.8%
2030	4,826,450		0.9%	4,529,100		0.7%
2035	5,016,980		0.8%	4,680,900		0.7%
2040	5,200,410		0.7%	4,825,700		0.6%
		0.9%			0.8%	
source: IHS Global Insight Regional Services						

Oregon State

United States

Census U.S. Population Projection		
	2012 release	%APR
2000	281,421,906	1.4%
2005	295,516,599	1.0%
2010	309,349,689	0.9%
2015	321,362,789	0.8%
2020	333,895,553	0.8%
2025	346,407,223	0.7%
2030	358,471,142	0.7%
2035	369,662,023	0.6%
2040	380,015,683	0.6%
2010-40 APR%		
0.7%		
source: U.S. Census 2012 National Population Projection http://www.census.gov/population/projections/data/national/index.html		

IHS Global Insight U.S. Population Forecast			
	Apr 2008 release	Nov 2013 release	%APR
2000	282,841,119	282,790,000	1.5%
2005	297,336,781	296,460,000	0.9%
2010	310,852,451	310,064,000	0.9%
2015	324,286,814	321,937,000	0.8%
2020	337,732,931	334,474,000	0.8%
2025	351,404,489	346,978,000	0.7%
2030	365,583,894	359,025,000	0.7%
2035	379,902,031	370,192,000	0.6%
2040	N/A	380,530,000	0.6%
		0.8%	0.7%
source: IHS Global Insight Long-term U.S. Trend Projection			

Pew Research U.S. Population Projection		
	2008 release	%APR
2000	281,646,000	1.4%
2005	295,709,000	1.0%
2010	309,653,000	0.9%
2015		
2020	340,219,000	0.9%
2025		
2030	371,822,000	0.9%
2035		
2040	403,648,000	0.8%
0.9%		
source: Pew Research Center Jeffrey S. Passel and D'Vera Cohn Social & Demographic Trends, Feb. 11, 2008 www.pewresearch.org		

World Bank U.S. Population Projection		
	2013 release	%APR
2000	282,163,000	1.4%
2005		
2010	309,307,000	0.9%
2015		
2020	330,963,000	0.7%
2025		
2030	352,612,000	0.6%
2035		
2040	370,573,000	0.5%
0.6%		
source: World Bank http://datatopics.worldbank.org/hnp/popestimates		

U.N. U.S. Population Projection		
	2012 release	%APR
2000	284,594,000	1.6%
2005	298,166,000	0.9%
2010	312,247,000	0.9%
2015	325,128,000	0.8%
2020	337,983,000	0.8%
2025	350,626,000	0.7%
2030	362,629,000	0.7%
2035	373,468,000	0.6%
2040	383,165,000	0.5%
0.7%		
Source: Population Division, United Nations World Population Prospects: The 2012 Revision. http://esa.un.org/unpd/wpp/unpp/p2k0data.asp		

Comparing Portland Metro's employment forecasts and other forecasts

Portland MSA

Metro Regional Employment Forecasts					
(5-county MSA)		(7-county* MSA)		(7-county* MSA)	
2002		2010		2014	
release	%APR	release	%APR	release	%APR
2000	958,020	2.9%	973,230	2.9%	973,230
2005	1,043,510	1.7%	983,680	0.2%	983,530
2010	1,168,700	2.3%	965,500	-0.4%	968,830
2015	1,273,140	1.7%	1,090,800	2.5%	1,100,040
2020	1,387,730	1.7%	1,189,600	1.7%	1,228,140
2025	1,515,530	1.8%	1,282,100	1.5%	1,311,570
2030			1,380,200	1.5%	1,399,790
2035			1,486,900	1.5%	1,484,460
2040			1,596,100	1.4%	1,571,290
2010 to 2040 APR%		1.7%		1.6%	

source: Metro Research Center (baseline medium growth scenario)

* 7 counties = Clackamas, Columbia, Multnomah, Washington, Yamhill, Clark & Skamania

IHS Global Insight Portland MSA Employment Forecast		
(7-county* MSA)		
Sep. 2013		
release	%APR	
2000	973,500	3.0%
2005	983,400	0.2%
2010	968,700	-0.3%
2015	1,079,500	2.2%
2020	1,175,100	1.7%
2025	1,212,900	0.6%
2030	1,252,600	0.6%
2035	1,294,200	0.7%
2040	1,349,800	0.8%
1.1%		

source: IHS Global Insight

Oregon Employment Department MSA Employment Forecast		
(Oregon part of MSA)		
Aug. 2004		
release	%APR	
2000	852,630	2.8%
2005	848,960	-0.1%
2010	918,800	1.6%
2015	973,920	1.2%
2020	1,011,780	0.8%
2025	1,050,270	0.7%
2030	1,096,800	0.9%
2035	1,148,310	0.9%
2040	1,201,390	0.9%
0.9%		

source: OED, Art Ayre

Oregon State

Metro's Oregon Employment Forecasts				
	(Oregon)		(Oregon)	
	2010		2014	
	release	%APR	release	%APR
2000	1,617,800	2.5%	1,617,900	2.5%
2005	1,654,300	0.4%	1,654,400	0.4%
2010	1,728,200	0.9%	1,602,100	-0.6%
2015	1,908,600	2.0%	1,836,200	2.8%
2020	2,071,800	1.7%	2,061,200	2.3%
2025	2,224,100	1.4%	2,163,500	1.0%
2030	2,384,900	1.4%	2,270,900	1.0%
2035	2,558,300	1.4%	2,379,200	0.9%
2040	2,855,900	2.2%	2,493,100	0.9%
2010 to 2040 APR%		1.7%		1.5%

source: Metro Research Center

IHS Global Insight Portland Oregon Employment Forecast		
Jun. 2014		
release	%APR	
2000	1,618,000	2.7%
2005	1,654,100	0.4%
2010	1,601,800	-0.6%
2015	1,756,400	1.9%
2020	1,898,400	1.6%
2025	1,952,800	0.6%
2030	2,007,300	0.6%
2035	2,071,900	0.6%
2040	2,159,000	0.8%
1.0%		

source: IHS Global Insight

Oregon Employment Department Oregon Employment Forecast		
Aug. 2004		
release	%APR	
2000	1,606,700	2.5%
2005	1,620,900	0.2%
2010	1,751,280	1.6%
2015	1,857,480	1.2%
2020	1,934,560	0.8%
2025	2,013,080	0.8%
2030	2,108,480	0.9%
2035	2,215,530	1.0%
2040	2,326,810	1.0%
1.0%		

source: OED, Art Ayre

United States

IHS Global Insight U.S. Employment Forecast (in millions)					
Feb 2001		Apr 2008		Nov 2013	
release	%APR	release	%APR	release	%APR
2000	131.76	2.4%	131.79	2.4%	131.89
2005	138.68	1.0%	133.69	0.3%	133.74
2010	147.51	1.2%	140.77	1.0%	129.91
2015	154.93	1.0%	147.99	1.0%	140.54
2020	162.00	0.9%	153.39	0.7%	149.56
2025	168.84	0.8%	159.61	0.8%	153.48
2030			167.03	0.9%	159.25
2035			175.06	0.9%	164.47
2040					170.63
2010 to 2040 APR%		0.9%		0.9%	

source: IHS Global Insight

Long-term U.S. Trend Projection

Bureau of Labor Statistics (BLS) U.S. Employment Forecast		
Dec. 2013		
release	%APR	
2000	132.03	2.4%
2005	134.00	0.3%
2010	130.27	-0.6%
2012	134.43	0.3%
2022	149.75	1.1%
2025		
2030		
2035		
2040		
(in millions)		

source: BLS, last updated Dec. 19, 2013

Population Range Projections through Year 2060

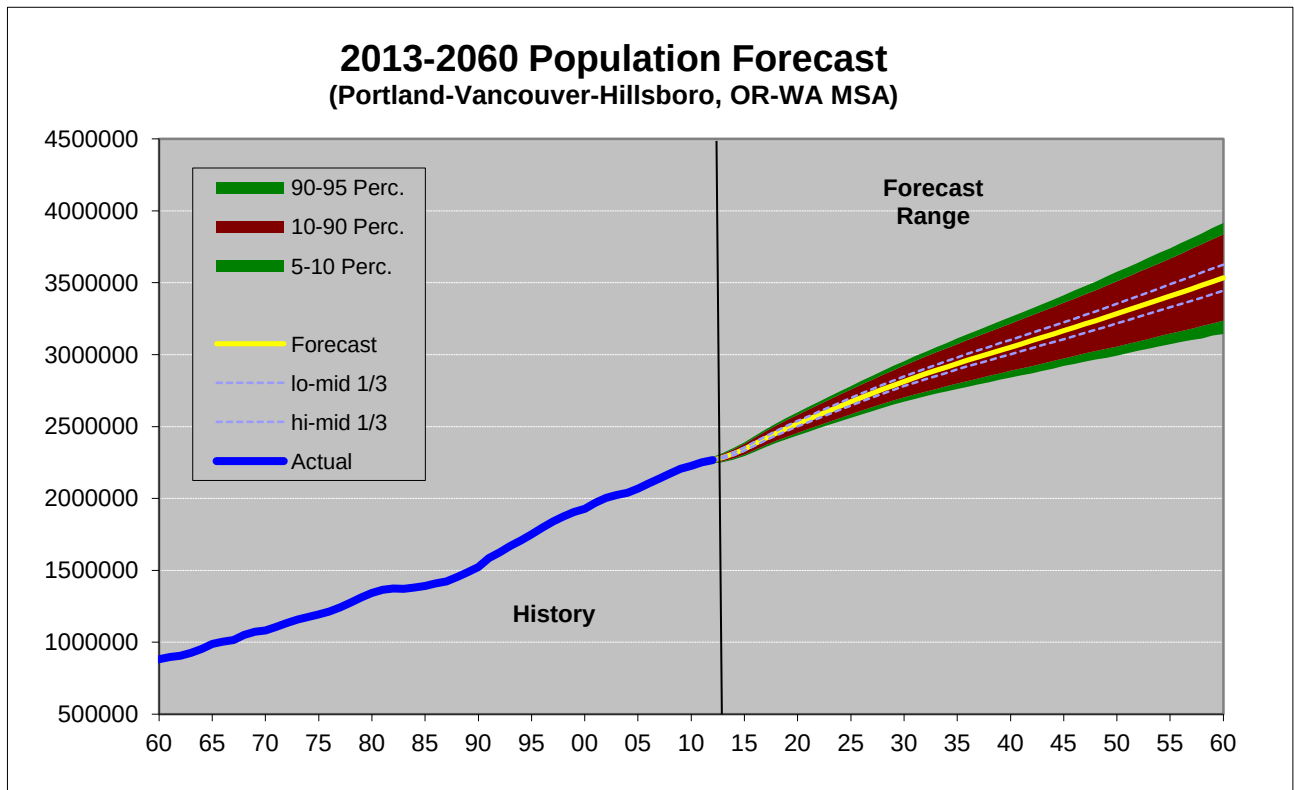
(7-county MSA)

Probabilistic Population Forecast Range

	POPULATION					POPULATION - annual pct. chg.				
	Low - 5%	mid-lo 1/3	Pop. Base	mid-hi 1/3	High - 95%	Low - 5%	mid-lo	Pop. Base	mid-hi	High - 95%
1990			1,523,741					1.8%		
1995			1,749,224					2.8%		
2000			1,927,881					2.0%		
2005			2,067,325					1.4%		
2010			2,226,009					1.5%		
2015	2,294,400	2,331,100	2,342,501	2,353,887	2,390,000	0.6%	0.9%	1.0%	1.1%	1.4%
2020	2,438,500	2,500,500	2,519,163	2,538,425	2,598,800	1.2%	1.4%	1.5%	1.5%	1.7%
2025	2,560,500	2,645,800	2,671,777	2,698,584	2,780,600	1.0%	1.1%	1.2%	1.2%	1.4%
2030	2,672,800	2,780,900	2,814,058	2,847,884	2,953,600	0.9%	1.0%	1.0%	1.1%	1.2%
2035	2,760,900	2,896,800	2,937,885	2,980,976	3,113,600	0.7%	0.8%	0.9%	0.9%	1.1%
2040	2,840,600	3,001,500	3,052,078	3,102,751	3,261,900	0.6%	0.7%	0.8%	0.8%	0.9%
2050	2,992,900	3,217,200	3,284,438	3,352,973	3,576,600	0.5%	0.7%	0.7%	0.8%	0.9%
2060	3,143,400	3,444,700	3,534,390	3,626,500	3,915,600	0.5%	0.7%	0.7%	0.8%	0.9%

Annual Percentage Rate (APR):

1960-80			2.12%		
1980-00			1.83%		
2000-20	1.18%	1.31%	1.35%	1.39%	1.50%
2020-40	0.77%	0.92%	0.96%	1.01%	1.14%



Employment Range Projections through Year 2060

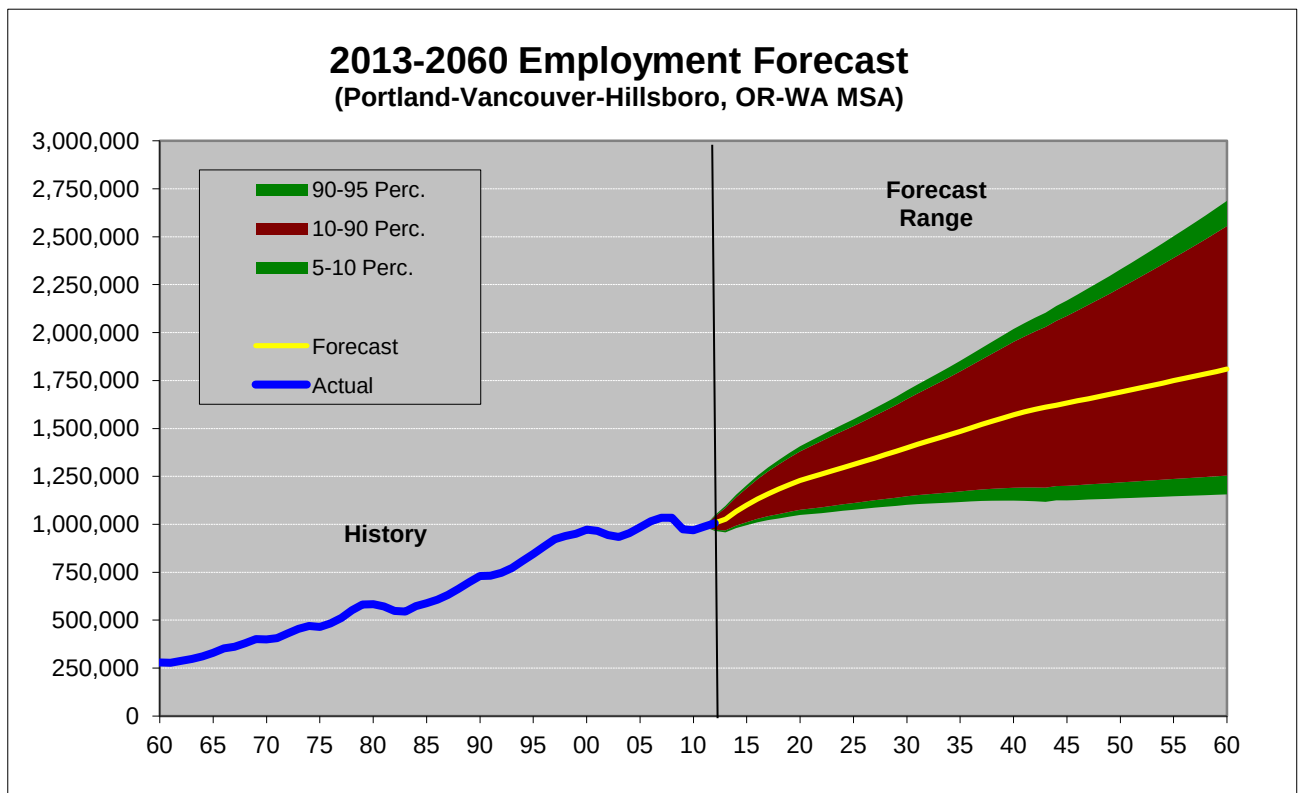
(7-county MSA)

Nonfarm Job Forecast Range

	EMPLOYMENT					e-p ratio (base)	EMPLOYMENT - annual pct. chg.				
	Low	mid-lo 1/3	Job Base	mid-hi 1/3	High		Low	mid-lo	HH Base	mid-hi	High
1990			730,268			0.48			4.4%		
1995			845,611			0.48			3.0%		
2000			973,222			0.50			2.9%		
2005			983,526			0.48			0.2%		
2010			968,800			0.44			-0.3%		
2015	995,700	1,094,600	1,100,000	1,105,300	1,204,300	0.47	0.5%	2.5%	2.6%	2.7%	4.4%
2020	1,048,900	1,219,000	1,228,100	1,237,500	1,407,400	0.49	1.0%	2.2%	2.2%	2.3%	3.2%
2025	1,075,600	1,298,800	1,311,600	1,324,800	1,547,600	0.49	0.5%	1.3%	1.3%	1.4%	1.9%
2030	1,101,700	1,383,300	1,399,800	1,416,600	1,697,900	0.50	0.5%	1.3%	1.3%	1.3%	1.9%
2035	1,116,200	1,463,700	1,484,500	1,506,300	1,852,800	0.51	0.3%	1.1%	1.2%	1.2%	1.8%
2040	1,123,600	1,545,300	1,571,300	1,597,400	2,019,000	0.51	0.1%	1.1%	1.1%	1.2%	1.7%
2050	1,135,700	1,655,300	1,689,900	1,725,200	2,329,300	0.51	0.1%	0.7%	0.7%	0.8%	1.4%
2060	1,156,200	1,763,500	1,809,400	1,856,600	2,687,400	0.51	0.2%	0.6%	0.7%	0.7%	1.4%

Annual Percentage Rate (APR):

1960-80			3.74%		
1980-00			2.60%		
2000-20	0.38%	1.13%	1.17%	1.21%	1.86%
2020-40	0.34%	1.19%	1.24%	1.28%	1.82%



Household Range Projections through Year 2060

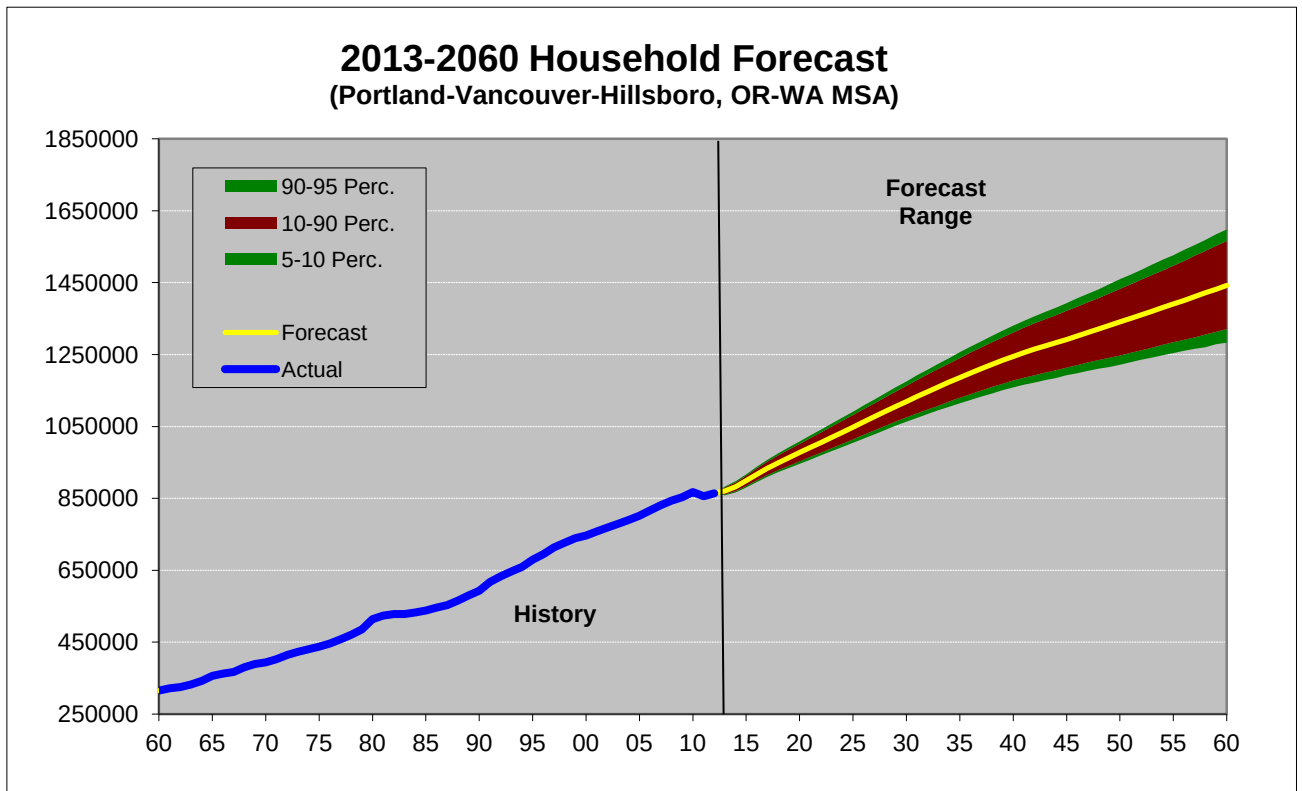
(7-county MSA)

Household Forecast Range

	HOUSEHOLDS					HH Size	HOUSEHOLD - annual pct. chg.				
	Low	mid-lo 1/3	HH Base	mid-hi 1/3	High		Low	mid-lo	HH Base	mid-hi	High
1990			593,092			2.57			1.5%		
1995			679,640			2.60			2.8%		
2000			746,625			2.58			1.9%		
2005			801,794			2.58			1.4%		
2010			867,794			2.60			1.6%		
2015	880,300	894,400	898,746	903,100	917,000	2.61	0.3%	0.6%	0.7%	0.8%	1.1%
2020	946,100	970,200	977,439	984,900	1,008,400	2.57	1.5%	1.6%	1.7%	1.7%	1.9%
2025	1,004,600	1,038,000	1,048,227	1,058,700	1,090,900	2.53	1.2%	1.4%	1.4%	1.5%	1.6%
2030	1,063,300	1,106,300	1,119,466	1,132,900	1,175,000	2.50	1.1%	1.3%	1.3%	1.4%	1.5%
2035	1,114,400	1,169,200	1,185,775	1,203,200	1,256,700	2.47	0.9%	1.1%	1.2%	1.2%	1.4%
2040	1,158,500	1,224,200	1,244,782	1,265,400	1,330,300	2.45	0.8%	0.9%	1.0%	1.0%	1.1%
2050	1,221,600	1,313,200	1,340,587	1,368,600	1,459,800	2.45	0.5%	0.7%	0.7%	0.8%	0.9%
2060	1,283,000	1,406,000	1,406,000	1,480,200	1,598,200	2.45	0.5%	0.7%	0.5%	0.8%	0.9%

Annual Percentage Rate (APR):

1990-00			2.33%		
2000-20	1.19%	1.32%	1.36%	1.39%	1.51%
2020-40	1.02%	1.17%	1.22%	1.26%	1.39%
2010-40 diff	290,700	356,400	377,000	397,600	462,500



Population and Demographic Forecast, 2010 to 2040

Portland-Hillsboro-Vancouver, OR-WA MSA

	1990	2000	2005	2010	2015	2020	2025	2030	2035	2040
Components of Population (in thousands)										
Population (7 counties)	1,523.7	1,927.9	2,067.3	2,226.0	2,342.5	2,519.2	2,671.8	2,814.1	2,937.9	3,052.1
Pct. Chg. (5-year avg.)	1.8	2.0	1.4	1.5	1.0	1.5	1.2	1.0	0.9	0.8
Annual Avg. Change	26.5	35.8	27.9	31.7	23.3	35.3	30.5	28.5	24.8	22.8
Births, annual avg.	22.2	26.9	28.2	29.4	29.7	31.4	32.8	33.8	34.6	35.1
Crude Birth Rate	15.2	14.4	13.9	13.5	12.9	12.8	12.5	12.3	12	11.7
Deaths, annual avg.	12.0	14.0	14.9	15.2	16.8	18.7	21	23.5	26.1	28.3
Crude Death Rate	8.2	7.5	7.4	7.0	7.3	7.6	8.0	8.5	9.0	9.4
Natural Increase	10.2	12.9	13.3	14.2	12.9	12.6	11.8	10.3	8.5	6.8
Net Migration (5-year avg.)	16.5	23.1	17.2	14.8	10.9	24.4	20.6	19.7	17.7	17.5
%Migration Growth Share	62.3	64.6	61.6	46.6	46.9	69.2	67.4	69.1	71.3	76.7
Regional Population Cohorts										
under 5 years old	112.6	134.8	140.2	145.3	151.1	155.2	160.9	166.4	170.7	174
5 to 9 years old	113.2	140.7	143.7	146.1	154	159.4	164	169	173.4	177.3
10 to 14 years old	107.3	136	141.9	147.5	155	161.7	166.2	170.8	175	179.1
15 to 19 years old	99	128.9	136.2	143.5	155.7	163.1	168.2	172.8	176.8	180.9
20 to 24 years old	101.7	127.2	133.2	138.9	162.2	171.5	177.1	181.7	185.2	189
25 to 29 years old	124	147.6	157.2	166.8	163.9	176.8	184.1	189.6	193.3	196.8
30 to 34 years old	139.4	152.1	160.5	168.7	164.3	176.6	185.7	192.8	197.5	201.4
35 to 39 years old	142.8	159.3	162.3	164.8	167.2	176.2	185	193.1	199.2	204
40 to 44 years old	126.7	162.7	161.2	159.1	170.7	176.1	182.9	190.8	197.6	203.5
45 to 49 years old	92.5	155	157.8	159.9	171	175.1	180.1	186.6	193.5	200
50 to 54 years old	67.6	130	144.2	159.3	164.7	171.2	176	181.6	187.8	194.4
55 to 59 years old	57.2	90.9	116.9	149.9	148.1	160.4	168	174.1	180	186.4
60 to 64 years old	57.2	62.9	88.3	123.8	122.3	140.8	153.1	161.8	168.7	175.3
65 to 69 years old	56.5	50.5	64.9	83.2	94.7	114.8	130.9	142.8	151.8	159.3
70 to 74 years old	46.4	48.3	51.7	55	70.5	87.6	104.1	118	129	137.9
75 to 79 years old	34.9	43.3	42.4	41.3	51	62.9	76.6	90	101.6	111.3
80 to 84 years old	23.8	30.9	32.7	34.5	34.4	41.5	50.9	61.4	71.4	80.4
85 years or older	20.9	26.8	32.1	38.2	41.6	48.1	57.9	70.8	85.5	101.1
Total	1,523.7	1,927.9	2,067.3	2,226.0	2,342.5	2,519.2	2,671.8	2,814.1	2,937.9	3,052.1
Population Share by Age (in percents)										
under 5 years old	7.39	6.99	6.78	6.53	6.45	6.16	6.02	5.91	5.81	5.7
5 to 9 years old	7.43	7.3	6.95	6.56	6.58	6.33	6.14	6	5.9	5.81
10 to 14 years old	7.04	7.05	6.86	6.63	6.62	6.42	6.22	6.07	5.96	5.87
15 to 19 years old	6.49	6.68	6.59	6.45	6.65	6.48	6.3	6.14	6.02	5.93
20 to 24 years old	6.67	6.6	6.44	6.24	6.92	6.81	6.63	6.46	6.31	6.19

Population and Demographic Forecast, 2010 to 2040

Portland-Hillsboro-Vancouver, OR-WA MSA

	1990	2000	2005	2010	2015	2020	2025	2030	2035	2040
25 to 29 years old	8.14	7.65	7.60	7.49	7	7.02	6.89	6.74	6.58	6.45
30 to 34 years old	9.15	7.89	7.76	7.58	7.01	7.01	6.95	6.85	6.72	6.6
35 to 39 years old	9.37	8.26	7.85	7.4	7.14	6.99	6.93	6.86	6.78	6.68
40 to 44 years old	8.31	8.44	7.80	7.15	7.29	6.99	6.85	6.78	6.73	6.67
45 to 49 years old	6.07	8.04	7.63	7.19	7.3	6.95	6.74	6.63	6.59	6.55
50 to 54 years old	4.44	6.75	6.97	7.16	7.03	6.8	6.59	6.45	6.39	6.37
55 to 59 years old	3.75	4.71	5.66	6.73	6.32	6.37	6.29	6.19	6.13	6.11
60 to 64 years old	3.75	3.26	4.27	5.56	5.22	5.59	5.73	5.75	5.74	5.74
65 to 69 years old	3.71	2.62	3.14	3.74	4.04	4.56	4.9	5.07	5.17	5.22
70 to 74 years old	3.04	2.51	2.50	2.47	3.01	3.48	3.9	4.19	4.39	4.52
75 to 79 years old	2.29	2.25	2.05	1.86	2.18	2.5	2.87	3.2	3.46	3.65
80 to 84 years old	1.56	1.6	1.58	1.55	1.47	1.65	1.91	2.18	2.43	2.63
85 years or older	1.37	1.39	1.55	1.71	1.78	1.91	2.17	2.52	2.91	3.31

Population Groups (in thousands)

Children under 18 years old	398.9	496.8	497.4	525.1	553.5	574.2	592	609.9	625.2	639
Pct. of Children	26.2	25.8	24.1	23.6	23.6	22.8	22.2	21.7	21.3	20.9
Working age (16 to 64)	982.9	1,284.3	1,399.6	1,506.1	1,559.0	1,655.3	1,726.6	1,790.3	1,844.2	1,895.5
Pct. Working-Age Pop.	64.5	66.6	67.7	67.7	66.6	65.7	64.6	63.6	62.8	62.1
65 years and older	181.5	198.3	225.2	252.2	292.3	354.9	420.5	483	539.2	589.9
Pct. Retirement Age	11.9	10.3	10.9	11.3	12.5	14.1	15.7	17.2	18.4	19.3

Percent of Women of Child-bearing Age

Women, 15 to 44 years old	24.1	22.9	22.3	21.3	21.1	20.8	20.4	20	19.7	19.4
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Dependency Ratio (working age = 16 to 64 years old) (in |

Kids (under 16 years old)	36.6	34.7	31.6	31	31.5	30.7	30.4	30.2	30.1	29.9
Seniors (65+ years old)	18.5	15.4	16.1	16.7	18.7	21.4	24.4	27	29.2	31.1
Total Dependency Ratio	55.0	50.1	47.7	47.8	50.3	52.2	54.7	57.2	59.3	61

Households by Age of Head Person (in thousands)

Households, total	593.1	746.6	801.8	857.4	896.5	980.9	1056	1125.8	1187.3	1244
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Share of Household by Age (in percents)

15 to 24 years old	5.3	5.9	5	4	4.3	4.1	4	3.8	3.7	3.6
25 to 34 years old	21.7	19.3	18.9	18.2	17	16.7	16.3	15.8	15.3	14.9
35 to 44 years old	25.7	23.5	21.9	20.1	20	19.1	18.5	18.1	17.7	17.4
45 to 54 years old	15.9	22	21.4	20.5	20.6	19.4	18.5	18	17.7	17.4
55 to 64 years old	11.4	12.3	15.3	18.8	17.7	18.1	17.9	17.5	17.3	17.1
65 to 74 years old	11.19	8.23	9.15	10.15	11.6	12.98	14	14.57	14.88	15.03
75 to 84 years old	6.69	6.56	5.96	5.33	5.72	6.39	7.26	8.08	8.76	9.26
85 years or older	2.17	2.17	2.54	2.91	3.04	3.22	3.6	4.12	4.72	5.33

Population and Demographic Forecast, 2010 to 2040

Portland-Hillsboro-Vancouver, OR-WA MSA

	1990	2000	2005	2010	2015	2020	2025	2030	2035	2040
State-level Forecasts (in percents)										
CA Population	2.43	1.34	1.11	0.8	0.74	0.75	0.77	0.71	0.64	0.56
CA Employment	3.02	3.13	0.43	-1.19	1.46	1.73	1.33	1.22	1.12	0.97
WA Population	2.04	1.46	1.2	1.45	0.65	1.19	1.31	1.17	1.02	0.91
WA Employment	4.61	2.93	0.48	0.07	1.75	2.09	1.51	1.37	1.34	1.29
OR Population	1.24	1.45	1.1	1.18	0.74	1.13	1.13	1.03	0.91	0.82
OR Employment	4.04	2.53	0.45	-0.64	2.77	2.34	0.97	0.97	0.94	0.94
U.S. Population (% chg.)										
16 years and older	0.97	1.16	0.95	0.9	0.75	0.77	0.74	0.68	0.61	0.55
	1.02	1.29	1.16	1.12	0.9	0.83	0.78	0.74	0.7	0.62

Age Adjusted Fertility Rates, 2010 to 2040

Portland-Hillsboro-Vancouver, OR-WA MSA

Both Sexes for all Race and Ethnicities*

	Fertility rates per 10,000 persons								Total Fertility
	<u>10-14</u>	<u>15-19</u>	<u>20-24</u>	<u>25-29</u>	<u>30-34</u>	<u>35-39</u>	<u>40-44</u>	<u>45-49</u>	<u>TFR</u>
1990	3.720	253.582	655.352	620.866	469.911	218.043	46.326	3.773	2.27
2000	2.920	197.718	535.133	537.668	460.196	212.201	41.825	2.789	1.99
2010	2.033	139.326	439.108	491.527	474.094	248.740	59.715	4.689	1.86
2011	2.033	139.326	439.108	491.527	474.094	248.740	59.715	4.689	1.86
2012	2.033	139.326	439.108	491.527	474.094	248.740	59.715	4.689	1.86
2013	2.031	139.174	438.730	491.442	473.666	248.211	59.499	4.666	1.86
2014	2.029	139.021	438.352	491.356	473.239	247.682	59.283	4.643	1.86
2015	2.027	138.868	437.974	491.270	472.811	247.153	59.067	4.620	1.85
2016	2.025	138.716	437.595	491.185	472.384	246.624	58.851	4.597	1.85
2017	2.022	138.563	437.217	491.099	471.956	246.095	58.635	4.573	1.85
2018	2.020	138.410	436.839	491.013	471.529	245.566	58.419	4.550	1.85
2019	2.018	138.258	436.461	490.928	471.101	245.037	58.203	4.527	1.85
2020	2.016	138.105	436.083	490.842	470.674	244.509	57.987	4.504	1.84
2021	2.013	137.952	435.705	490.756	470.246	243.980	57.771	4.481	1.84
2022	2.011	137.800	435.327	490.671	469.819	243.451	57.555	4.458	1.84
2023	2.009	137.647	434.949	490.585	469.391	242.922	57.339	4.434	1.84
2024	2.007	137.494	434.570	490.500	468.964	242.393	57.124	4.411	1.84
2025	2.004	137.342	434.192	490.414	468.536	241.864	56.908	4.388	1.84
2026	2.002	137.189	433.814	490.328	468.109	241.335	56.692	4.365	1.83
2027	2.000	137.036	433.436	490.243	467.681	240.806	56.476	4.342	1.83
2028	1.998	136.884	433.058	490.157	467.254	240.277	56.260	4.319	1.83
2029	1.996	136.731	432.680	490.071	466.826	239.748	56.044	4.295	1.83
2030	1.993	136.578	432.302	489.986	466.399	239.220	55.828	4.272	1.83
2031	1.991	136.426	431.923	489.900	465.971	238.691	55.612	4.249	1.82
2032	1.989	136.273	431.545	489.814	465.544	238.162	55.396	4.226	1.82
2033	1.987	136.121	431.167	489.729	465.116	237.633	55.180	4.203	1.82
2034	1.984	135.968	430.789	489.643	464.689	237.104	54.964	4.180	1.82
2035	1.982	135.815	430.411	489.558	464.261	236.575	54.748	4.156	1.82
2036	1.980	135.663	430.033	489.472	463.834	236.046	54.533	4.133	1.82
2037	1.978	135.510	429.655	489.386	463.407	235.517	54.317	4.110	1.81
2038	1.976	135.357	429.277	489.301	462.979	234.988	54.101	4.087	1.81
2039	1.973	135.205	428.898	489.215	462.552	234.460	53.885	4.064	1.81
2040	1.971	135.052	428.520	489.129	462.124	233.931	54	4.041	1.81

* Fertility rates are combined together on a weighted-average basis. The weights are derived from 2010 Census estimates of persons by race and held constant through the forecast period. Rates reflect change over time on the basis of fertility assumptions included in the Census 2012 National Population Projections. Rates are denominated by total population.

Age Adjusted Mortality Rates, 2010 to 2040

Portland-Hillsboro-Vancouver, OR-WA MSA

Both Sexes for all Race and Ethnicities*

Mortality rates per 10,000 persons

	<u>0-4</u>	<u>5-9</u>	<u>10-14</u>	<u>15-19</u>	<u>20-24</u>	<u>25-29</u>	<u>30-34</u>	<u>35-39</u>	<u>40-44</u>
1990	20.648	2.908	1.023	8.298	9.362	9.148	12.078	14.117	23.951
2000	12.028	1.872	0.657	5.327	6.648	5.897	8.643	12.523	18.520
2010	12.594	1.574	0.542	4.737	5.975	5.395	8.000	9.707	15.086
2011	12.594	1.574	0.542	4.737	5.975	5.395	8.000	9.707	15.086
2012	12.594	1.574	0.542	4.737	5.975	5.395	8.000	9.707	15.086
2013	12.487	1.561	0.532	4.646	5.829	5.278	7.814	9.489	14.771
2014	12.385	1.561	0.523	4.549	5.701	5.158	7.635	9.289	14.450
2015	12.267	1.540	0.515	4.457	5.570	5.036	7.460	9.077	14.137
2016	12.164	1.508	0.509	4.351	5.451	4.920	7.302	8.886	13.844
2017	12.056	1.460	0.498	4.278	5.336	4.804	7.143	8.695	13.545
2018	11.960	1.458	0.492	4.177	5.208	4.701	6.970	8.502	13.261
2019	11.873	1.445	0.482	4.115	5.099	4.588	6.825	8.318	12.981
2020	11.774	1.435	0.478	4.032	4.993	4.487	6.664	8.148	12.712
2021	11.663	1.432	0.470	3.923	4.868	4.382	6.512	7.955	12.449
2022	11.571	1.431	0.463	3.851	4.771	4.282	6.367	7.802	12.182
2023	11.482	1.429	0.456	3.776	4.671	4.182	6.236	7.629	11.925
2024	11.383	1.403	0.449	3.709	4.563	4.078	6.095	7.453	11.680
2025	11.287	1.400	0.444	3.624	4.462	3.999	5.970	7.302	11.438
2026	11.189	1.399	0.440	3.548	4.363	3.899	5.832	7.148	11.197
2027	11.091	1.367	0.431	3.466	4.269	3.811	5.709	7.003	10.962
2028	11.009	1.365	0.429	3.398	4.173	3.729	5.583	6.844	10.739
2029	10.918	1.349	0.420	3.340	4.082	3.653	5.461	6.699	10.518
2030	10.818	1.307	0.413	3.259	3.997	3.566	5.343	6.555	10.290
2031	10.729	1.295	0.403	3.210	3.906	3.487	5.239	6.431	10.089
2032	10.639	1.295	0.393	3.154	3.827	3.421	5.127	6.301	9.890
2033	10.554	1.291	0.389	3.075	3.744	3.346	5.011	6.179	9.703
2034	10.480	1.280	0.388	3.016	3.668	3.276	4.915	6.040	9.505
2035	10.396	1.280	0.382	2.968	3.602	3.208	4.823	5.919	9.316
2036	10.320	1.268	0.381	2.902	3.521	3.127	4.712	5.789	9.112
2037	10.235	1.266	0.375	2.849	3.440	3.068	4.606	5.662	8.919
2038	10.151	1.265	0.367	2.789	3.375	2.988	4.497	5.546	8.737
2039	10.086	1.253	0.360	2.734	3.286	2.927	4.393	5.424	8.539
2040	10.012	1.240	0.358	2.689	3.235	2.859	4.299	5.292	8.360

Age Adjusted Mortality Rates, 2010 to 2040

Portland-Hillsboro-Vancouver, OR-WA MSA

Both Sexes for all Race and Ethnicities*

Mortality rates per 10,000 persons

	<u>45-49</u>	<u>50-54</u>	<u>55-59</u>	<u>60-64</u>	<u>65-69</u>	<u>70-74</u>	<u>75-79</u>	<u>80-84</u>	<u>85+</u>
1990	28.136	47.007	101.996	124.555	210.041	313.093	302.599	792.841	2017.935
2000	29.443	42.399	67.506	119.162	262.106	225.973	438.568	754.515	1579.668
2010	30.948	37.984	59.300	87.836	145.948	180.642	390.415	572.357	1384.974
2011	30.948	37.984	59.300	87.836	145.948	180.642	390.415	572.357	1384.974
2012	30.948	37.984	59.300	87.836	145.948	180.642	390.415	572.357	1384.974
2013	30.334	37.259	58.319	86.474	144.079	178.787	387.190	568.698	1378.846
2014	29.720	36.547	57.334	85.133	142.231	176.965	384.001	565.072	1372.762
2015	29.128	35.860	56.380	83.823	140.433	175.144	380.818	561.456	1366.739
2016	28.523	35.190	55.434	82.526	138.614	173.359	377.675	557.896	1360.755
2017	27.964	34.519	54.509	81.238	136.849	171.585	374.557	554.335	1354.829
2018	27.415	33.875	53.594	79.988	135.108	169.836	371.492	550.812	1348.948
2019	26.854	33.238	52.704	78.749	133.376	168.114	368.443	547.337	1343.124
2020	26.335	32.614	51.818	77.552	131.685	166.400	365.418	543.870	1337.355
2021	25.798	32.004	50.976	76.353	130.024	164.731	362.482	540.538	1331.973
2022	25.291	31.416	50.119	75.190	128.382	163.082	359.568	537.203	1326.641
2023	24.792	30.822	49.313	74.038	126.768	161.446	356.700	533.912	1321.368
2024	24.312	30.255	48.479	72.920	125.164	159.838	353.835	530.655	1316.138
2025	23.828	29.689	47.670	71.801	123.588	158.237	351.018	527.397	1310.946
2026	23.351	29.141	46.909	70.695	122.039	156.657	348.201	524.190	1305.820
2027	22.898	28.590	46.133	69.615	120.512	155.092	345.433	520.990	1300.728
2028	22.443	28.070	45.381	68.569	118.977	153.552	342.677	517.809	1295.693
2029	22.013	27.548	44.624	67.505	117.498	152.021	339.949	514.672	1290.703
2030	21.578	27.048	43.895	66.489	116.033	150.498	337.268	511.556	1285.764
2031	21.171	26.563	43.206	65.520	114.638	149.074	334.693	508.590	1281.155
2032	20.779	26.084	42.529	64.552	113.251	147.655	332.148	505.666	1276.586
2033	20.386	25.612	41.862	63.632	111.881	146.257	329.649	502.753	1272.064
2034	19.994	25.185	41.191	62.691	110.545	144.859	327.145	499.861	1267.585
2035	19.628	24.718	40.549	61.779	109.225	143.488	324.675	496.980	1263.149
2036	19.211	24.245	39.865	60.810	107.806	141.952	321.781	493.415	1255.930
2037	18.840	23.795	39.197	59.871	106.386	140.428	318.902	489.890	1248.745
2038	18.465	23.351	38.532	58.916	105.007	138.921	316.046	486.376	1241.608
2039	18.095	22.904	37.891	58.009	103.635	137.437	313.232	482.880	1234.514
2040	17.721	22.470	37.254	57.102	102.283	135.960	310.437	479.425	1227.464

* Mortality rates by race are combined together on a weighted-average basis. The weights are derived from 2010 Census estimates of persons by race and held constant through the forecast period. Rates for men and women are averaged together. Projected rates are based on the Census 2012 National Population Projections.

Household Headship Rates and Household Size Forecast

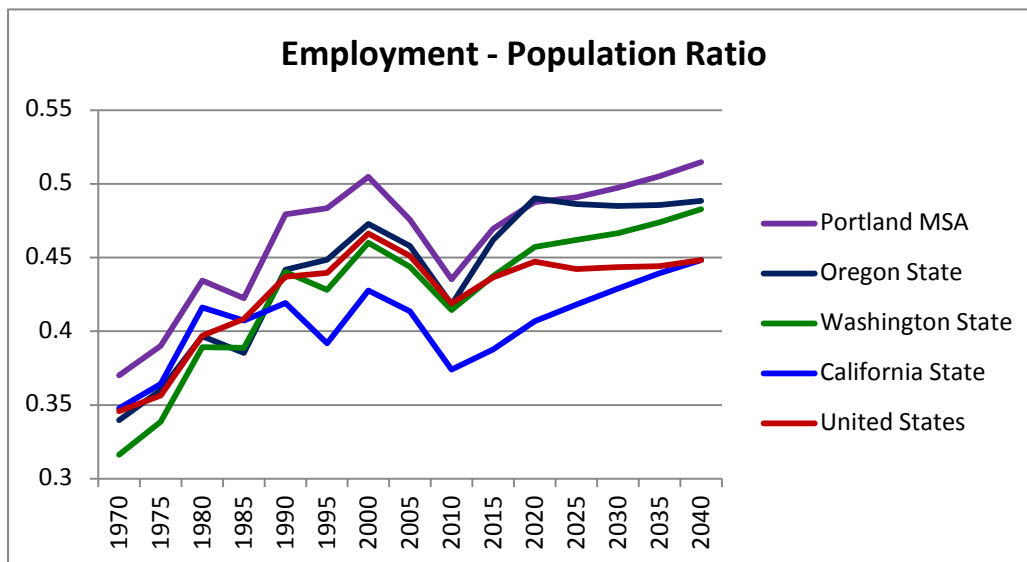
Portland-Hillsboro-Vancouver, OR-WA MSA

	1990	2000	2005	2010	2015	2020	2025	2030	2035	2040
Age-specific Household Headship Rate Assumptions										
15 to 24 year olds	0.16	0.171	0.147	0.123	0.121	0.121	0.121	0.121	0.121	0.121
25 to 34 year olds	0.488	0.482	0.473	0.465	0.464	0.464	0.464	0.464	0.464	0.464
35 to 44 year olds	0.565	0.545	0.538	0.532	0.531	0.531	0.531	0.531	0.531	0.531
45 to 54 year olds	0.585	0.576	0.563	0.55	0.55	0.55	0.55	0.55	0.55	0.55
55 to 64 year olds	0.59	0.599	0.594	0.588	0.588	0.588	0.588	0.588	0.588	0.588
65 to 74 year olds	0.643	0.622	0.626	0.629	0.629	0.629	0.629	0.629	0.629	0.629
75 to 84 year olds	0.709	0.66	0.632	0.604	0.601	0.601	0.601	0.601	0.601	0.601
85 years and over	0.654	0.605	0.63	0.655	0.656	0.656	0.656	0.656	0.656	0.656
Population - MSA	1,523,740	1,927,881	2,067,325	2,226,009	2,342,501	2,519,163	2,671,777	2,814,058	2,937,885	3,052,078
Households - MSA	593,092	746,625	801,794	857,379	896,519	980,872	1,055,978	1,125,755	1,187,311	1,244,034
Household Size (persons per household)										
Portland MSA	2.57	2.58	2.58	2.60	2.61	2.57	2.53	2.50	2.47	2.45
U.S.	2.65	2.64	2.62	2.65	2.60	2.55	2.53	2.5	2.47	2.44

Employment-Population Ratio

(Total Nonfarm Payroll Employment / Total Population)

	Portland MSA	Oregon State	Washington State	California State	United States
1970	0.370031	0.339759	0.316209	0.347811	0.345713
1975	0.390162	0.360125	0.338692	0.364347	0.356436
1980	0.434323	0.396675	0.389205	0.416125	0.397082
1985	0.422572	0.385401	0.388724	0.407311	0.408418
1990	0.47926	0.441752	0.440322	0.41925	0.436916
1995	0.483482	0.448478	0.42822	0.39191	0.439527
2000	0.504819	0.472864	0.460002	0.427765	0.466392
2005	0.475749	0.45789	0.443821	0.413488	0.451118
2010	0.435233	0.418195	0.414358	0.374135	0.418981
2015	0.4696	0.461959	0.437437	0.387639	0.436547
2020	0.48752	0.490309	0.457267	0.406942	0.447142
2025	0.490897	0.486422	0.461898	0.418191	0.442322
2030	0.497426	0.485082	0.466474	0.428989	0.443571
2035	0.505281	0.485631	0.473839	0.439416	0.444289
2040	0.514827	0.488494	0.48283	0.448343	0.448407



Employment Forecast, 2010 to 2040

Portland-Hillsboro-Vancouver, OR-WA MSA

	1985	1990	1995	2000	2005	2010
(Employment in thousands)						
Nonfarm Wage & Salary Jobs	587.98	730.27	845.61	973.23	983.53	968.83
Manufacturing, TOTAL	108.69	124.91	135.34	143.3	123.42	107.02
Durables, total	78.1	89.04	96.28	107.52	93.6	79.64
Wood Products	7.65	7.94	6.36	5.91	5.88	3.53
Primary Metals	6.55	8.5	6.76	7.73	6.01	5.47
Fab. Metals	9.91	10.76	13.2	13.67	12.52	11.17
Machinery Mfg.	7.12	9.2	10.48	10.44	8.38	7.08
Computer & Electronics	27.88	28.12	32.7	41.21	36.48	33.27
Transportation Equipment	6.74	9.51	9.56	11.16	8.95	6.3
Other Durable Goods	12.24	15.01	17.23	17.4	15.37	12.83
Nondurables, total	30.59	35.88	39.06	35.78	29.82	27.38
Food Processing	8.76	9.53	9.63	8.87	8.56	9.48
Paper	6.72	7.52	7.12	6.52	4.98	3.63
Other Nondurables	15.12	18.83	22.31	20.39	16.27	14.27
Nonmanufacturing (private)	395.78	501.11	595.38	699.43	722.47	714.43
Natural Resources & Mining	2.07	2.05	2.01	1.88	1.78	1.07
Construction	22.26	36.87	45.34	53.17	58.46	45.05
Wholesale Trade	35.54	41.62	49.07	55.58	56.29	53.23
Retail Trade	67.67	82.56	92.46	106.78	104.83	101.16
Auto	9.11	10.83	12.18	14.24	14.16	11.37
Food	11.59	15.18	16.62	18.78	18.55	19.86
Other	46.97	56.55	63.66	73.76	72.12	69.94
TWU	23.65	31.72	35.01	38.63	36.88	33.28
Information Services	16.14	16.14	19.03	25.96	23.09	22.46
Publishing	4.67	4.49	6.49	9.73	9.12	9.07
Internet, etc.	11.47	11.64	12.54	16.23	13.97	13.39
Financial Activities	42.03	49.96	55.43	64.85	68.22	61.92
Finance & Insurance	27.93	30	33.12	41.57	43.85	39.96
Real Estate	14.1	19.96	22.3	23.28	24.37	21.95
Pro. Business Services	57.1	77.51	104.63	130.45	128.5	127.8
Pro., Sci., Tech.	22.73	36.31	43.88	48.51	49.08	53.04
Mgmt. of Co.	8.63	10.2	14.92	20.19	20.25	23.22
Admin Sup. & Waste Mgmt.	25.75	30.99	45.83	61.74	59.17	51.55
Education & Health	55.65	73.47	87.35	102.92	119.83	139.38
Education	8.21	11.68	14.07	18.03	20.95	24.9
Health	47.43	61.79	73.29	84.89	98.87	114.48
Leisure + Hospitality	51.47	63.57	75.97	85.78	90.08	94.48
Arts, ent. & rec.	6.9	9.91	11.77	13.05	13.22	13.64
Lodgings & Food	44.57	53.66	64.19	72.73	76.86	80.83
Other Services	22.2	25.65	29.09	33.42	34.51	34.6
Social Orgs., & Churches	6.56	11.96	13.16	15.33	15.12	16.29
Other	10.94	13.69	15.93	18.09	19.38	18.31
Government, TOTAL	96.03	112.73	122.23	137.66	144.84	154.35
Fed. Defense	7.97	8.48	7.34	7.16	7.12	6.96
Civilian. Govt. Total	88.07	104.24	114.89	130.5	137.64	147.38
Civilian. Federal	16.94	18.8	17.96	18.89	18.36	18.58
State & Local	71	85	97	112	119	129

Employment Forecast, 2010 to 2040

Portland-Hillsboro-Vancouver, OR-WA MSA

	2015	2020	2025	2030	2035	2040
(Employment in thousands)						
Nonfarm Wage & Salary Jobs	1100.04	1228.14	1311.57	1399.79	1484.46	1571.29
Manufacturing, TOTAL	119.11	123.1	123.23	123	124.37	127.16
Durables, total	90.21	93.57	94.43	94.76	96.74	100.01
Wood Products	4.2	4.62	4.36	4.16	3.91	3.77
Primary Metals	5.82	5.15	4.85	4.62	4.45	4.35
Fab. Metals	13.53	13.17	12.67	12.39	12.26	12.33
Machinery Mfg.	8.89	8.64	8.3	8.13	7.97	7.9
Computer & Electronics	36.42	40.33	42.93	44.39	47.31	51.08
Transportation Equipment	7.23	6.36	5.76	5.39	5.13	4.83
Other Durable Goods	14.12	15.29	15.56	15.69	15.71	15.76
Nondurables, total	28.9	29.54	28.8	28.24	27.63	27.15
Food Processing	10.39	9.82	9.6	9.53	9.5	9.5
Paper	3.3	3.03	2.62	2.31	2.01	1.79
Other Nondurables	15.21	16.68	16.58	16.41	16.12	15.86
Nonmanufacturing (private)	827.69	937.9	1011.01	1087.06	1158.79	1229.74
Natural Resources & Mining	1.44	1.73	1.49	1.39	1.28	1.25
Construction	59.92	72.49	79.78	90.11	99.27	110.88
Wholesale Trade	60.22	66.67	71.15	75.45	79.55	82.72
Retail Trade	113.41	123.25	129.7	137.66	144.63	150.66
Auto	12.03	13.81	14.76	15.64	16.33	17.05
Food	22.5	24.57	26.21	28	29.67	30.93
Other	78.88	84.87	88.73	94.03	98.64	102.69
TWU	37.84	41.44	42.44	43.86	45.01	46.05
Information Services	23.46	26.79	29.89	32.64	35.56	38.31
Publishing	9.55	11.3	13.34	15.46	17.62	19.45
Internet, etc.	13.92	15.5	16.56	17.18	17.95	18.86
Financial Activities	65.66	68.26	70.15	72.6	75.54	78.74
Finance & Insurance	42.58	43.34	44.35	46	48.34	50.98
Real Estate	23.08	24.92	25.8	26.6	27.2	27.75
Pro. Business Services	161.58	196.35	217.42	235.18	251.66	270.47
Pro., Sci., Tech.	65.62	77.4	84.37	91.13	97.68	104.45
Mgmt. of Co.	27.6	33.44	37.44	40.68	43.6	46.35
Admin Sup. & Waste Mgmt.	68.37	85.51	95.6	103.38	110.39	119.67
Education & Health	155.44	176.68	193.55	211.05	227.46	240.78
Education	27.58	28.66	28.92	30.63	32.58	34.43
Health	127.86	148.02	164.62	180.42	194.88	206.34
Leisure + Hospitality	110.69	121.87	128.88	136.45	144.1	151.01
Arts, ent. & rec.	16.66	19.09	19.78	20.78	21.83	22.73
Lodgings & Food	94.03	102.78	109.1	115.67	122.27	128.28
Other Services	38.02	42.37	46.57	50.66	54.72	58.88
Social Orgs., & Churches	17.24	19.25	21.26	23.16	24.98	26.73
Other	20.78	23.12	25.3	27.5	29.75	32.15
Government, TOTAL	159.86	173.66	183.84	196.31	207.94	221.08
Fed. Defense	6.62	6.51	6.51	6.57	6.63	6.68
Civilian. Govt. Total	153.25	167.15	177.33	189.73	201.31	214.4
Civilian. Federal	17.58	17.4	16.6	17.66	17.54	18.57
State & Local	136	150	161	172	184	196

Employment

(percent change)

Portland-Hillsboro-Vancouver, OR-WA MSA

	1985	1990	1995	2000	2005	2010
(average annual percent change)						
Total Nonfarm W & S	0.18	4.43	2.98	2.85	0.21	-0.3
Manufacturing, TOTAL	-1.91	2.82	1.62	1.15	-2.94	-2.81
Durables, total	-2.59	2.66	1.58	2.23	-2.73	-3.18
Wood Products	-3.77	0.75	-4.34	-1.46	-0.09	-9.73
Primary Metals	-2.21	5.33	-4.47	2.72	-4.92	-1.85
Fab. Metals	-3.65	1.65	4.17	0.71	-1.75	-2.27
Machinery Mfg.	-6.95	5.25	2.63	-0.07	-4.3	-3.31
Computer & Electronics	-1.05	0.17	3.07	4.73	-2.4	-1.83
Transp. Equipment	-4.32	7.14	0.09	3.15	-4.31	-6.79
Other Durable Goods	-0.45	4.16	2.8	0.2	-2.45	-3.56
Nondurables, total	-0.01	3.24	1.71	-1.74	-3.58	-1.69
Food Processing	0.46	1.72	0.21	-1.63	-0.71	2.06
Paper	-1.51	2.28	-1.08	-1.75	-5.22	-6.13
Other Nondurables	0.42	4.49	3.45	-1.78	-4.41	-2.6
Nonmanufacturing (private)	0.8	4.83	3.51	3.27	0.65	-0.22
Natural Resources & Mining	-0.75	-0.2	-0.37	-1.37	-1.1	-9.66
Construction	-4.52	10.63	4.22	3.24	1.91	-5.08
Wholesale Trade	-0.32	3.2	3.35	2.52	0.25	-1.11
Retail Trade	0.66	4.06	2.29	2.92	-0.37	-0.71
Auto	1.04	3.52	2.39	3.16	-0.11	-4.29
Food	5.2	5.55	1.83	2.48	-0.25	1.37
Other	-0.36	3.78	2.4	2.99	-0.45	-0.61
TWU	0.77	6.05	1.99	1.99	-0.92	-2.03
Information Services	-0.58	0	3.35	6.41	-2.31	-0.56
Publishing	7.54	-0.77	7.64	8.42	-1.27	-0.13
Internet, etc.	-3.02	0.31	1.49	5.3	-2.96	-0.84
Financial Activities	-0.08	3.52	2.1	3.19	1.02	-1.92
Finance & Insurance	-0.28	1.44	2	4.65	1.08	-1.84
Real Estate	0.32	7.19	2.25	0.86	0.92	-2.07
Pro. Business Services	3.85	6.3	6.18	4.51	-0.3	-0.11
Pro., Sci., Tech.	2.95	9.83	3.86	2.03	0.23	1.56
Mgmt. of Co.	2.27	3.41	7.9	6.24	0.06	2.78
Admin Sup. & Waste Mgmt.	5.29	3.78	8.14	6.14	-0.85	-2.72
Education & Health	2.25	5.71	3.52	3.33	3.09	3.07
Education	3.14	7.3	3.79	5.08	3.05	3.51
Health	2.1	5.43	3.47	2.98	3.1	2.97
Leisure + Hospitality	0.87	4.31	3.63	2.46	0.98	0.96
Arts, ent. & rec.	0.87	7.49	3.51	2.08	0.26	0.63
Lodgings & Food	0.87	3.78	3.65	2.53	1.11	1.01
Other Services	1.44	2.93	2.55	2.81	0.64	0.06
Social Orgs., & Churches	-0.08	12.76	1.93	3.09	-0.27	1.5
Other	2	4.59	3.08	2.58	1.39	-1.14
Government, TOTAL	0.54	3.26	1.63	2.41	1.02	1.28
Fed. Defense	3.25	1.25	-2.85	-0.5	-0.11	-0.44
Civilian. Govt. Total	0.32	3.43	1.96	2.58	1.07	1.38
Civilian. Federal	0.25	2.11	-0.91	1.01	-0.57	0.24
State & Local	0.33	3.73	2.55	2.86	1.34	1.55

Employment

(percent change)

Portland-Hillsboro-Vancouver, OR-WA MSA

	2015	2020	2025	2030	2035	2040
(average annual percent change)						
Total Nonfarm W & S	2.57	2.23	1.32	1.31	1.18	1.14
Manufacturing, TOTAL	2.16	0.66	0.02	-0.04	0.22	0.44
Durables, total	2.52	0.73	0.18	0.07	0.42	0.67
Wood Products	3.57	1.92	-1.16	-0.95	-1.21	-0.74
Primary Metals	1.22	-2.38	-1.2	-0.98	-0.73	-0.45
Fab. Metals	3.92	-0.54	-0.77	-0.45	-0.2	0.11
Machinery Mfg.	4.65	-0.57	-0.79	-0.42	-0.4	-0.18
Computer & Electronics	1.83	2.06	1.26	0.67	1.28	1.54
Transp. Equipment	2.79	-2.54	-1.95	-1.32	-0.99	-1.21
Other Durable Goods	1.94	1.61	0.35	0.16	0.02	0.06
Nondurables, total	1.09	0.44	-0.5	-0.39	-0.43	-0.35
Food Processing	1.84	-1.12	-0.45	-0.15	-0.05	0
Paper	-1.88	-1.69	-2.89	-2.53	-2.68	-2.36
Other Nondurables	1.29	1.87	-0.12	-0.21	-0.36	-0.32
Nonmanufacturing (private)	2.99	2.53	1.51	1.46	1.29	1.2
Natural Resources & Mining	6.13	3.71	-2.84	-1.48	-1.64	-0.46
Construction	5.87	3.88	1.93	2.47	1.95	2.24
Wholesale Trade	2.5	2.05	1.31	1.18	1.06	0.78
Retail Trade	2.31	1.68	1.02	1.2	0.99	0.82
Auto	1.13	2.81	1.33	1.17	0.86	0.87
Food	2.53	1.78	1.3	1.32	1.17	0.84
Other	2.44	1.47	0.89	1.17	0.96	0.81
TWU	2.6	1.83	0.48	0.66	0.52	0.46
Information Services	0.88	2.69	2.22	1.77	1.73	1.5
Publishing	1.04	3.42	3.38	3	2.64	2
Internet, etc.	0.78	2.17	1.33	0.74	0.88	0.99
Financial Activities	1.18	0.78	0.55	0.69	0.8	0.83
Finance & Insurance	1.28	0.36	0.46	0.73	1	1.07
Real Estate	1.01	1.55	0.7	0.61	0.44	0.41
Pro. Business Services	4.8	3.97	2.06	1.58	1.36	1.45
Pro., Sci., Tech.	4.35	3.36	1.74	1.55	1.4	1.35
Mgmt. of Co.	3.52	3.91	2.29	1.67	1.4	1.23
Admin Sup. & Waste Mgmt.	5.81	4.58	2.26	1.58	1.32	1.63
Education & Health	2.21	2.59	1.84	1.75	1.51	1.14
Education	2.07	0.77	0.18	1.16	1.24	1.11
Health	2.24	2.97	2.15	1.85	1.55	1.15
Leisure + Hospitality	3.22	1.94	1.13	1.15	1.1	0.94
Arts, ent. & rec.	4.08	2.76	0.71	0.99	0.99	0.81
Lodgings & Food	3.07	1.79	1.2	1.18	1.12	0.96
Other Services	1.9	2.19	1.91	1.7	1.55	1.48
Social Orgs., & Churches	1.14	2.23	2.01	1.72	1.52	1.37
Other	2.57	2.16	1.82	1.68	1.58	1.57
Government, TOTAL	0.7	1.67	1.15	1.32	1.16	1.23
Fed. Defense	-1.01	-0.32	-0.01	0.19	0.17	0.17
Civilian. Govt. Total	0.78	1.75	1.19	1.36	1.19	1.27
Civilian. Federal	-1.1	-0.21	-0.93	1.24	-0.13	1.14
State & Local	1.04	2	1.42	1.37	1.32	1.28

High Growth Scenario

Portland-Hillsboro-Vancouver, OR-WA MSA

	2015	2020	2025	2030	2035	2040
(in thousands)						
Nonfarm Employment, Civ. total	1,204.3	1,407.4	1,547.6	1,697.9	1,852.8	2,019.0
Private nonfarm emp.	1,045.6	1,233.3	1,362.3	1,498.9	1,641.0	1,792.8
Manufacturing, total	135.97	151.29	157.08	161.27	167.74	175.59
Durable Goods	103.39	115.88	121.44	125.2	131.36	138.74
Wood Products	4.98	6.01	6.12	6.27	6.35	6.54
Primary Metals	6.68	6.36	6.07	5.85	5.74	5.71
Fab. Metals	14.26	14.08	13.68	13.66	13.83	14.26
Machinery	9.82	9.98	9.79	9.79	9.79	9.91
Electronics	41.69	50.64	56.09	59.1	64.44	70.59
Computers	32.36	39.6	44.27	47.29	52.14	57.6
Oth. Elect.	9.33	11.04	11.83	11.81	12.29	12.99
Transport. Eq.	10	10.91	11.57	12.1	12.53	12.74
Oth. Durables	15.96	17.9	18.12	18.44	18.67	18.98
Non-Durable Goods	32.59	35.42	35.64	36.07	36.39	36.85
Food Proc.	11.42	11.15	11.03	11	11	11.01
Paper	4.02	4	3.64	3.33	3.02	2.77
Other Non-Dur.	17.15	20.28	20.97	21.73	22.36	23.06
Non-Mfg. (private)	909.65	1,082.03	1,205.21	1,337.58	1,473.25	1,617.18
Natural Resources	1.67	1.97	1.7	1.58	1.46	1.44
Construction	74.43	93.52	104.9	120.5	135.97	155.05
Trade, Transport & Utilities	223.9	248.37	262.12	278.33	293.33	307.04
Wholesale Trade	62.63	69.4	73.97	78.45	82.77	86.21
Retail Trade	120.85	134.05	141.83	151.6	160.52	169.02
Auto parts	13.53	16.27	17.23	18.34	19.2	20.17
Food & Bev.	25.21	28.78	31.38	34.22	37.08	39.83
Other Retail	82.11	89	93.21	99.05	104.24	109.01
TWU	40.42	44.92	46.32	48.28	50.05	51.81
Information	26.35	31.28	35.65	39.55	43.63	47.65
Printing	11.84	15.08	18.19	21.22	24.2	26.85
Internet, etc.	14.51	16.21	17.46	18.33	19.43	20.8
Financial Activities	70.69	76.39	80.86	86.04	92.02	98.5
Finance & Insurance	45.4	47.73	50.29	53.72	58.05	62.79
Real Estate	25.29	28.66	30.57	32.32	33.97	35.71
Pro. Business	185.47	252.71	302.51	351.86	403.69	462.23
Pro., Sci., Tech.	71.87	90.55	103.59	117.39	132.09	148.33
Management of Companies	32.16	42.12	50.09	57.66	65.48	73.67
Admin & Waste Mgmt.	81.44	120.03	148.84	176.81	206.12	240.23
Edu. & Health	166.92	195.82	220.51	247.44	274.86	300.57
Education	32.41	34.56	35.25	37.5	39.82	41.85
Health Care	134.51	161.26	185.26	209.95	235.04	258.72
Leisure & Hospitality	117.1	131.33	140.04	149.32	158.91	168.11
Arts, Entertain. & Rec.	18.62	22.45	24.19	26.15	28.15	30.06
Accomm. & Food Ser.	98.48	108.88	115.84	123.17	130.76	138.05
Other Services	43.11	50.65	56.93	62.94	69.4	76.61
Social Orgs.	21.18	26.09	29.93	33.5	37.4	41.76
Other	21.93	24.55	26.99	29.45	32	34.84
Government, total	166.33	181.77	193.07	206.9	219.66	234.17
Military	7.61	7.71	7.76	7.84	7.89	7.95
Civilian Federal	18.89	19.49	19.21	20.95	21.26	22.93
State & Local	139.83	154.57	166.1	178.11	190.51	203.29

Medium Growth Scenario

Portland-Hillsboro-Vancouver, OR-WA MSA

	2015	2020	2025	2030	2035	2040
(in thousands)						
Nonfarm Employment, Civ. total	1,100.0	1,228.1	1,311.6	1,399.8	1,484.5	1,571.3
Private nonfarm emp.	946.8	1,061.0	1,134.2	1,210.1	1,283.2	1,356.9
Manufacturing, total	119.11	123.1	123.23	123	124.37	127.16
Durable Goods	90.21	93.57	94.43	94.76	96.74	100.01
Wood Products	4.2	4.62	4.36	4.16	3.91	3.77
Primary Metals	5.82	5.15	4.85	4.62	4.45	4.35
Fab. Metals	13.53	13.17	12.67	12.39	12.26	12.33
Machinery	8.89	8.64	8.3	8.13	7.97	7.9
Electronics	36.42	40.33	42.93	44.39	47.31	51.08
Computers	28.48	31.88	34.32	36.02	38.93	42.48
Oth. Elect.	7.94	8.45	8.62	8.37	8.39	8.6
Transport. Eq.	7.23	6.36	5.76	5.39	5.13	4.83
Oth. Durables	14.12	15.29	15.56	15.69	15.71	15.76
Non-Durable Goods	28.9	29.54	28.8	28.24	27.63	27.15
Food Proc.	10.39	9.82	9.6	9.53	9.5	9.5
Paper	3.3	3.03	2.62	2.31	2.01	1.79
Other Non-Dur.	15.21	16.68	16.58	16.41	16.12	15.86
Non-Mfg. (private)	827.69	937.9	1,011.01	1,087.06	1,158.79	1,229.74
Natural Resources	1.44	1.73	1.49	1.39	1.28	1.25
Construction	59.92	72.49	79.78	90.11	99.27	110.88
Trade, Transport & Utilities	211.47	231.36	243.28	256.98	269.18	279.43
Wholesale Trade	60.22	66.67	71.15	75.45	79.55	82.72
Retail Trade	113.41	123.25	129.7	137.66	144.63	150.66
Auto parts	12.03	13.81	14.76	15.64	16.33	17.05
Food & Bev.	22.5	24.57	26.21	28	29.67	30.93
Other Retail	78.88	84.87	88.73	94.03	98.64	102.69
TWU	37.84	41.44	42.44	43.86	45.01	46.05
Information	23.46	26.79	29.89	32.64	35.56	38.31
Printing	9.55	11.3	13.34	15.46	17.62	19.45
Internet, etc.	13.92	15.5	16.56	17.18	17.95	18.86
Financial Activities	65.66	68.26	70.15	72.6	75.54	78.74
Finance & Insurance	42.58	43.34	44.35	46	48.34	50.98
Real Estate	23.08	24.92	25.8	26.6	27.2	27.75
Pro. Business	161.58	196.35	217.42	235.18	251.66	270.47
Pro., Sci., Tech.	65.62	77.4	84.37	91.13	97.68	104.45
Management of Companies	27.6	33.44	37.44	40.68	43.6	46.35
Admin & Waste Mgmt.	68.37	85.51	95.6	103.38	110.39	119.67
Edu. & Health	155.44	176.68	193.55	211.05	227.46	240.78
Education	27.58	28.66	28.92	30.63	32.58	34.43
Health Care	127.86	148.02	164.62	180.42	194.88	206.34
Leisure & Hospitality	110.69	121.87	128.88	136.45	144.1	151.01
Arts, Entertain. & Rec.	16.66	19.09	19.78	20.78	21.83	22.73
Accomm. & Food Ser.	94.03	102.78	109.1	115.67	122.27	128.28
Other Services	38.02	42.37	46.57	50.66	54.72	58.88
Social Orgs.	17.24	19.25	21.26	23.16	24.98	26.73
Other	20.78	23.12	25.3	27.5	29.75	32.15
Government, total	159.86	173.66	183.84	196.31	207.94	221.08
Military	6.62	6.51	6.51	6.57	6.63	6.68
Civilian Federal	17.58	17.4	16.6	17.66	17.54	18.57
State & Local	135.67	149.75	160.73	172.07	183.77	195.83

Low Growth Scenario

Portland-Hillsboro-Vancouver, OR-WA MSA

	2015	2020	2025	2030	2035	2040
(in thousands)						
Nonfarm Employment, Civ. total	995.75	1048.92	1075.56	1101.69	1116.19	1123.62
Private nonfarm emp.	102.24	94.91	89.39	84.73	81	78.71
Manufacturing, total	102.24	94.91	89.39	84.73	81.01	78.73
Durable Goods	77.03	71.26	67.43	64.32	62.13	61.28
Wood Products	3.42	3.23	2.59	2.04	1.47	1
Primary Metals	4.95	3.95	3.64	3.39	3.17	2.99
Fab. Metals	12.81	12.26	11.65	11.11	10.69	10.39
Machinery	7.96	7.3	6.81	6.46	6.14	5.88
Electronics	31.15	30.03	29.77	29.68	30.19	31.57
Computers	24.6	24.16	24.37	24.75	25.71	27.37
Oth. Elect.	6.55	5.86	5.41	4.94	4.49	4.2
Transport. Eq.	4.46	1.81	-0.04	-1.32	-2.27	-3.09
Oth. Durables	12.28	12.68	13	12.94	12.75	12.53
Non-Durable Goods	25.21	23.65	21.96	20.41	18.88	17.45
Food Proc.	9.35	8.49	8.16	8.05	8	7.99
Paper	2.59	2.07	1.6	1.28	1.01	0.8
Other Non-Dur.	13.26	13.09	12.19	11.08	9.87	8.66
Non-Mfg. (private)	745.74	793.77	816.82	836.55	844.33	842.32
Natural Resources	1.2	1.49	1.29	1.19	1.09	1.06
Construction	45.41	51.46	54.65	59.72	62.58	66.72
Trade, Transport & Utilities	199.05	214.34	224.45	235.63	245.04	251.82
Wholesale Trade	57.81	63.93	68.32	72.46	76.33	79.23
Retail Trade	105.96	112.46	117.57	123.73	128.74	132.31
Auto parts	10.52	11.36	12.28	12.94	13.45	13.92
Food & Bev.	19.78	20.36	21.04	21.77	22.25	22.02
Other Retail	75.66	80.74	84.24	89.01	93.03	96.37
TWU	35.27	37.95	38.55	39.45	39.97	40.29
Information	20.58	22.3	24.14	25.73	27.5	28.97
Printing	7.25	7.52	8.48	9.71	11.04	12.06
Internet, etc.	13.32	14.79	15.66	16.02	16.46	16.91
Financial Activities	60.63	60.14	59.45	59.15	59.06	58.97
Finance & Insurance	39.76	38.95	38.41	38.27	38.64	39.17
Real Estate	20.88	21.18	21.04	20.88	20.42	19.79
Pro. Business	137.69	139.99	132.32	118.5	99.64	78.72
Pro., Sci., Tech.	59.37	64.25	65.16	64.86	63.26	60.57
Management of Companies	23.04	24.76	24.79	23.69	21.71	19.03
Admin & Waste Mgmt.	55.29	50.99	42.37	29.95	14.66	-0.88
Edu. & Health	143.96	157.54	166.58	174.66	180.07	180.99
Education	22.75	22.76	22.59	23.76	25.34	27.02
Health Care	121.21	134.79	143.99	150.89	154.73	153.97
Leisure & Hospitality	104.29	112.4	117.72	123.58	129.3	133.92
Arts, Entertain. & Rec.	14.7	15.73	15.36	15.41	15.51	15.4
Accomm. & Food Ser.	89.58	96.68	102.36	108.17	113.79	118.52
Other Services	32.93	34.1	36.21	38.38	40.05	41.16
Social Orgs.	13.3	12.4	12.59	12.82	12.56	11.69
Other	19.63	21.69	23.62	25.56	27.49	29.46
Government, total	153.4	165.55	174.61	185.72	196.21	207.99
Military	5.63	5.31	5.26	5.31	5.36	5.42
Civilian Federal	16.26	15.3	14	14.37	13.83	14.2
State & Local	131.51	144.94	155.35	166.04	177.02	188.37

Location Quotients

Portland-Hillsboro-Vancouver, OR-WA MSA

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
Manufacturing, total	1.06	1.09	1.12	1.18	1.24	1.22	1.19	1.18	1.19	1.21	1.25
Durable Goods, total	1.24	1.29	1.34	1.42	1.51	1.44	1.39	1.4	1.43	1.48	1.54
Wood Products	2.19	1.53	1.3	1.43	1.38	1.06	1.01	1	0.97	0.94	0.92
Primary Metal	1.85	1.46	1.68	1.75	2.03	1.86	1.47	1.38	1.43	1.55	1.79
Fabricated Metal	1	1.13	1.06	1.12	1.17	1.11	0.97	0.91	0.92	0.93	0.93
Machinery	0.98	1.01	0.97	0.98	0.95	0.98	0.87	0.82	0.83	0.87	0.91
Electrical Machinery	2.22	2.69	3.07	3.77	4.08	4.32	4.39	4.5	4.68	4.78	4.85
Transportation Equipment	0.67	0.67	0.74	0.69	0.63	0.59	0.52	0.5	0.47	0.44	0.43
Non-durable Goods, total	0.77	0.79	0.76	0.77	0.82	0.83	0.81	0.78	0.76	0.75	0.74
Food Processing	0.95	0.86	0.77	0.79	0.88	0.89	0.76	0.7	0.66	0.64	0.62
Paper	1.74	1.54	1.46	1.4	1.23	1.13	0.97	0.83	0.7	0.59	0.52
Non-manufacturing, total	1.02	1.02	1.01	1.01	1	1	1.01	1.01	1.01	1.01	1
Natural Resources	0.4	0.44	0.42	0.38	0.2	0.2	0.22	0.18	0.17	0.15	0.14
Construction	1.05	1.19	1.06	1.08	1.09	1.16	1.1	1.09	1.09	1.11	1.12
Retail Trade	0.94	0.92	0.95	0.93	0.94	0.94	0.97	1.01	1.02	1.02	1.02
Motor Vehicle & Parts	1.09	1.04	1.04	1	0.94	0.84	0.95	1	1.03	1.04	1.05
Food & Beverage Stores	0.82	0.8	0.85	0.89	0.95	0.98	1.05	1.11	1.16	1.2	1.23
Other Retail	0.95	0.94	0.96	0.93	0.94	0.95	0.96	0.98	0.98	0.98	0.96
Transp., Warehouse, & Utilities	1.13	1.08	1.04	1.02	0.94	0.92	0.87	0.85	0.84	0.85	0.88
Information, total	0.9	0.93	0.97	1.03	1.11	1.12	1.11	1.11	1.14	1.14	1.12
Publishing	0.77	0.99	1.27	1.37	1.6	1.75	2.03	2.42	2.72	2.94	3.06
Internet & Other	0.96	0.9	0.85	0.88	0.92	0.9	0.83	0.77	0.75	0.71	0.68
Finance Activities	1.13	1.12	1.13	1.13	1.08	1.06	1.07	1.06	1.05	1.03	1.03
Finance & Insurance	0.9	0.9	0.98	0.98	0.93	0.93	0.94	0.9	0.89	0.87	0.86
Real Estate	1.83	1.76	1.57	1.55	1.52	1.44	1.44	1.49	1.54	1.55	1.57
Pro. Business Services	1.07	1.13	1.06	1.03	1.02	1.03	1.05	1.01	0.97	0.94	0.91
Pro., Sci., & Tech.	1.2	1.2	0.98	0.95	0.96	0.98	1.03	0.94	0.86	0.8	0.75
Mgmt. of Companies	0.92	1.23	1.52	1.56	1.66	1.73	1.97	2.22	2.49	2.75	3.01
Admin. Support	1	1.05	1.02	0.99	0.93	0.92	0.9	0.88	0.87	0.85	0.84
Edu. & Health Care	1	0.91	0.92	0.94	0.96	0.94	0.94	0.96	0.97	0.97	0.97
Educational	1.04	0.97	1.02	1.01	1.06	1.07	1.09	1.14	1.18	1.2	1.22
Health Care	1	0.9	0.9	0.92	0.94	0.91	0.91	0.94	0.95	0.94	0.93
Leisure & Hospitality	1.03	1	0.98	0.96	0.97	0.97	0.98	1	1.01	1	0.99
Arts, Entertainment & Rec.	1.31	1.12	0.99	0.95	0.96	1.05	1.12	1.12	1.04	0.98	0.95
Accommodation & Food	0.99	0.99	0.98	0.96	0.97	0.96	0.96	0.98	1	1.01	1
Other Services	0.9	0.88	0.88	0.87	0.87	0.89	0.95	1.01	1.03	1.07	1.11
Government, Civilian total	0.92	0.87	0.9	0.9	0.92	0.92	0.91	0.89	0.89	0.9	0.91
Federal, Civilian											
State & Local	0.84	0.82	0.84	0.85	0.89	0.9	0.89	0.87	0.89	0.9	0.92

Personal Income (includes nominal and inflation adjusted fig.)

Portland-Hillsboro-Vancouver, OR-WA MSA

	1975	1980	1985	1990	1995	2000	2005
(annualized percent change)							
Personal Income (MSA)	11.36	13.26	6.73	8.19	7.5	7.55	3.33
+ Wage Disbursement	10.04	13.16	4.78	8.71	7.41	8.59	2.62
- Social Ins. Contribution	15.93	15.53	8.21	9.91	7.94	7.41	2.94
+ Transfer Payments	17.95	10.47	8.82	5.88	8.32	5.91	6.63
+ Other Labor Income	17.06	17.79	7.75	8.16	7.84	6.63	5.29
+ Farm Proprietors Inc.	10.37	-2.6	5.83	19.69	-12.15	-32.26	55.54
+ Bus. Proprietors Inc.	9.17	11.47	5.77	10.47	7.61	9.47	3.84
+ Div., Interest, & Rent	10.84	16.89	11.73	7.95	7.67	5.57	1.6
+ Res. Adjustment	94.81	-163.04	241.98	1.17	-20.49	-244.33	19.65
Personal Income (MSA)							
(in millions)	\$8,028	\$14,963	\$20,724	\$30,720	\$44,100	\$63,463	\$74,750
% change	11.36	13.26	6.73	8.19	7.5	7.55	3.33
inflation adjusted (2000\$)	\$26,642	\$30,530	\$34,716	\$42,406	\$50,602	\$62,696	\$67,043
% change	4.4	2.76	2.6	4.08	3.6	4.38	1.35
Per Capita Income (MSA)							
	\$6,738	\$11,183	\$15,003	\$20,159	\$25,212	\$32,918	\$35,923
% change	9.24	10.66	6.05	6.09	4.58	5.48	1.76
inflation adjusted (2000\$)	\$22,502	\$22,758	\$25,040	\$27,833	\$28,931	\$32,521	\$32,221
% change	2.57	0.23	1.93	2.14	0.78	2.37	-0.19
Average Household Inc. (MSA)							
				\$51,796	\$64,888	\$85,000	\$93,229
% change					4.61	5.55	1.87
inflation adjusted (2000\$)				\$72,376	\$75,371	\$85,000	\$84,643
% change					0.81	2.43	-0.08
U.S. Personal Income Components - Nominal Levels							
(annualized percent change)							
Personal Income	9.74	11.51	8.72	6.75	5.06	6.58	4.21
+ Wage Disbursement	8.11	11.01	7.62	6.69	4.51	7.14	3.36
- Social Ins. Contribution	14.05	13.21	11.08	7.82	5.38	5.79	4.36
+ Transfer Payments	17.88	10.46	8.74	6.96	8.12	4.26	6.9
+ Other Labor Income	15.94	16.16	8.73	6.11	5.67	5.66	7.12
+ Farm Proprietors Inc.	11.24	-11.84	12.38	8.93	-7.3	7.4	8.06
+ Bus. Proprietors Inc.	8.29	10.63	6.83	8.15	7.49	9.45	5.13
+ Div., Interest, & Rent	10.2	14.65	13.51	6.88	3.97	5.7	3.06

Personal Income (includes nominal and inflation adjusted fig.)

Portland-Hillsboro-Vancouver, OR-WA MSA

	2010	2015	2020	2025	2030	2035	2040
(annualized percent change)							
Personal Income (MSA)	3.3	5.19	6.12	4.81	4.57	4.45	4.44
+ Wage Disbursement	2.51	5.02	5.44	4.6	4.59	4.44	4.43
- Social Ins. Contribution	2.54	5.67	6.37	4.87	4.49	4.32	4.33
+ Transfer Payments	10.52	3.09	5.03	5.35	5.42	4.98	4.73
+ Other Labor Income	2.33	4.79	5.76	4.73	4.53	4.59	4.63
+ Farm Proprietors Inc.	-197.69	11.33	1.12	2.17	2.19	3.2	5.21
+ Bus. Proprietors Inc.	0.23	5.67	5.57	4.9	4.87	4.61	4.36
+ Div., Interest, & Rent	2.16	7.97	9.31	4.99	3.81	3.88	4.08
+ Res. Adjustment	14.41	-35.97	-5.38	-4.62	-4.63	-4.5	-4.47
Personal Income (MSA)							
(in millions)	\$87,940	\$113,240	\$152,425	\$192,794	\$241,065	\$299,650	\$372,295
% change	3.3	5.19	6.12	4.81	4.57	4.45	4.44
inflation adjusted (2000\$)	\$70,804	\$84,083	\$102,933	\$118,531	\$134,748	\$151,602	\$169,905
% change	1.1	3.5	4.13	2.86	2.6	2.39	2.31
Per Capita Income (MSA)							
	\$39,505	\$48,339	\$60,503	\$72,155	\$85,660	\$101,990	\$121,975
% change	1.92	4.12	4.59	3.59	3.49	3.55	3.64
inflation adjusted (2000\$)	\$31,807	\$35,893	\$40,858	\$44,362	\$47,882	\$51,601	\$55,667
% change	-0.26	2.45	2.63	1.66	1.54	1.51	1.53
Average Household Inc. (MSA)							
	\$102,569	\$126,311	\$155,397	\$182,574	\$214,136	\$252,377	\$299,264
% change	1.93	4.25	4.23	3.28	3.24	3.34	3.47
inflation adjusted (2000\$)	\$83,593	\$94,222	\$105,425	\$112,765	\$120,247	\$128,274	\$137,206
% change	-0.25	2.42	2.27	1.36	1.29	1.3	1.36
U.S. Personal Income Compar							
(annualized percent change)							
Personal Income	3.23	4.5	5.02	4.32	4.39	4.32	4.35
+ Wage Disbursement	2.3	4.12	4.64	4	4.32	4.2	4.26
- Social Ins. Contribution	2.41	4.76	5.44	4.32	4.31	4.2	4.25
+ Transfer Payments	8.53	3.36	4.84	5.34	5.41	5.01	4.77
+ Other Labor Income	2.99	2.69	4.68	3.79	3.98	4.03	4.2
+ Farm Proprietors Inc.	-0.16	16.9	-1.12	-2.17	-2.19	-3.2	-5.21
+ Bus. Proprietors Inc.	1.13	6.58	4.69	4.76	5.12	4.91	4.67
+ Div., Interest, & Rent	2.34	6.36	6.71	4.39	3.58	3.83	4.11

Personal Income (includes nominal and inflation adjusted fig.)

Portland-Hillsboro-Vancouver, OR-WA MSA

	1975	1980	1985	1990	1995	2000	2005
U.S. Personal Income							
(in billions)	\$1,335	\$2,302	\$3,497	\$4,847	\$6,276	\$8,633	\$10,610
% change	9.74	11.51	8.72	6.75	5.06	6.58	4.21
inflation adjusted (2000\$)	\$4,270	\$4,810	\$5,596	\$6,387	\$7,092	\$8,633	\$9,356
% change	2.81	2.41	3.07	2.68	1.87	4.01	1.62
U.S. Per Capita Income							
	\$6,173	\$10,095	\$14,646	\$19,341	\$23,509	\$30,527	\$35,790
% change	8.62	10.34	7.73	5.72	3.73	5.36	3.23
inflation adjusted (2000\$)	\$19,750	\$21,101	\$23,438	\$25,489	\$26,565	\$30,527	\$31,560
% change	1.76	1.33	2.12	1.69	0.59	2.82	0.67
U.S. Avg. Household Inc.							
	\$18,442	\$28,099	\$39,757	\$51,425	\$62,150	\$80,665	\$93,663
% change	7.24	8.79	7.19	5.28	3.72	5.35	3.03
inflation adjusted (2000\$)	\$58,999	\$58,729	\$63,623	\$67,772	\$70,229	\$80,665	\$82,594
% change	0.47	-0.09	1.61	1.27	0.58	2.81	0.47
U.S. Consumer Price Index							
	53.8	82.4	107.6	130.7	152.4	172.2	195.3

Personal Income (includes nominal and inflation adjusted fig.)

Portland-Hillsboro-Vancouver, OR-WA MSA

	2010	2015	2020	2025	2030	2035	2040
U.S. Personal Income							
(in billions)	\$12,435	\$15,494	\$19,790	\$24,454	\$30,315	\$37,452	\$46,332
% change	3.23	4.5	5.02	4.32	4.39	4.32	4.35
inflation adjusted (2000\$)	\$9,818	\$11,101	\$12,870	\$14,443	\$16,227	\$18,068	\$20,082
% change	0.97	2.49	3	2.33	2.36	2.17	2.14
U.S. Per Capita Income	\$40,105	\$48,128	\$59,169	\$70,476	\$84,437	\$101,170	\$121,757
% change	2.3	3.71	4.22	3.56	3.68	3.68	3.77
inflation adjusted (2000\$)	\$31,666	\$34,481	\$38,478	\$41,624	\$45,198	\$48,807	\$52,774
% change	0.07	1.72	2.22	1.58	1.66	1.55	1.57
U.S. Avg. Household Inc.	\$106,166	\$124,906	\$150,952	\$178,222	\$210,815	\$250,002	\$297,221
% change	2.54	3.3	3.86	3.38	3.42	3.47	3.52
inflation adjusted (2000\$)	\$83,825	\$89,488	\$98,166	\$105,261	\$112,847	\$120,608	\$128,826
% change	0.3	1.32	1.87	1.41	1.4	1.34	1.33
U.S. Consumer Price Index	218.1	240.3	264.8	291.5	321.7	356.9	397.3

Industry Wage Rates (nominal dollars)

Portland-Hillsboro-Vancouver, OR-WA MSA

	1980	1985	1990	1995	2000	2005	2010
Hourly Wage Rates (annualized percent change)							
Lumber & Wood Products		2.3	3.1	5.6	2.6	6.7	0.7
Primary Metal Mfg.		3.4	4.2	3	4	5.3	3.1
Fabricated Metal Mfg.		2.9	3.3	3	4	2.7	3
Machinery Mfg.		4.5	4.2	3.7	6.3	3.9	3.1
Computer & Electronics		6.9	5.6	9	12.5	-2	5
Transportation Equipment		5	3.1	2.2	5.3	-0.2	4.7
Other Durables		4.2	3.3	3.8	3.9	3.6	2.7
Food Manufacturing		2.6	1.5	3.9	4	2.2	1.2
Paper Manufacturing		6.3	1.8	4.1	1.8	3.2	0.2
Other Nondurables		3.2	3.9	3.7	4.3	1.3	2.5
Wholesale Trade		3.5	4.1	4.7	6.3	3.7	3
Retail Trade		3.1	2.7	4.1	4.1	2	1.1
Transport., Warehousing & Util.		2.2	3.6	2.4	5.2	-0.5	2.5
Information		6.2	3.5	5.6	7.8	3.6	3.3
Finance & Insurance		6.1	6	5.5	5.3	6.5	1.9
Real Estate Rental & Leasing		3.9	4.7	3.6	5.5	6.9	0.2
Pro., Sci., & Tech. Services		6.8	7.8	4.2	5.7	-1.9	3.3
Management of Co.		3.8	7.3	4.2	12.7	-3.8	1.2
Admin. & Waste Support		4.1	1.1	3.7	6.3	1.6	3.4
Educational Services		4.5	3.7	3.9	3.5	2.8	3.1
Health Services		6.2	5	4.5	3.6	1.3	2.8
Federal Govt., Civilian		6.9	4.3	5	2.8	5.6	3.3
State & Local Govt.		7.8	2.5	4.2	3.3	3.9	2.9

Industry Hourly Wage Rates (nominal dollars)

Lumber & Wood Products	7.02	7.87	9.15	12.05	13.66	18.89	19.56
Primary Metal Mfg.	10.55	12.44	15.25	17.69	21.56	27.87	32.46
Fabricated Metal Mfg.	9	10.37	12.22	14.19	17.29	19.75	22.84
Machinery Mfg.	9.03	11.24	13.81	16.59	22.57	27.35	31.92
Computer & Electronics	8.81	12.32	16.15	24.8	44.7	40.42	51.56
Transportation Equipment	10.71	13.65	15.86	17.71	22.96	22.76	28.57
Other Durables	7.53	9.26	10.9	13.11	15.84	18.91	21.57
Food Manufacturing	8.56	9.74	10.49	12.73	15.45	17.2	18.22
Paper Manufacturing	11.32	15.35	16.76	20.45	22.41	26.22	26.44
Other Nondurables	8.22	9.62	11.64	13.94	17.21	18.33	20.78
Wholesale Trade	10.1	11.97	14.64	18.38	24.9	29.84	34.52
Retail Trade	5.67	6.6	7.55	9.23	11.31	12.48	13.16

Industry Wage Rates (nominal dollars)

Portland-Hillsboro-Vancouver, OR-WA MSA

	2015	2020	2025	2030	2035	2040	2040
Hourly Wage Rates (annualized percent change)							
Lumber & Wood Products	3	1.9	2.4	2.6	2.6	2.6	2.6
Primary Metal Mfg.	0.8	3.1	3	2.7	2.5	2.4	2.4
Fabricated Metal Mfg.	1.2	2.1	2.3	2.3	2.2	2.2	2.2
Machinery Mfg.	4.1	3.9	3.8	3.8	3.6	3.6	3.6
Computer & Electronics	3.5	5	5.2	4.9	4.9	4.7	4.7
Transportation Equipment	0.6	2.7	2.4	2.3	2.2	2.2	2.2
Other Durables	1.5	2.4	2.5	2.5	2.5	2.4	2.4
Food Manufacturing	1.5	1.9	1.9	1.9	1.9	1.9	1.9
Paper Manufacturing	2	2.4	2.3	2.4	2.3	2.3	2.3
Other Nondurables	1.6	2.3	2.3	2.3	2.2	2.2	2.2
Wholesale Trade	3.1	3.2	3.4	3.4	3.4	3.4	3.4
Retail Trade	2	2.6	2.3	2.3	2.2	2.2	2.2
Transport., Warehousing & Util.	0.9	2	1.8	1.8	1.8	1.7	1.7
Information	2.3	4.3	3.9	3.9	3.8	3.8	3.8
Finance & Insurance	3.6	3.9	3.8	3.9	3.7	3.7	3.7
Real Estate Rental & Leasing	2.7	3.6	3.7	3.5	3.5	3.4	3.4
Pro., Sci., & Tech. Services	1.9	4	3.4	3.1	3	3.1	3.1
Management of Co.	4.5	4.5	3.4	3.3	3.2	3.2	3.2
Admin. & Waste Support	2.1	2.4	2.5	2.5	2.5	2.5	2.5
Educational Services	1.7	2.8	2.8	2.7	2.7	2.6	2.6
Health Services	2.3	2.9	2.8	2.7	2.6	2.6	2.6
Federal Govt., Civilian	2.9	2.6	2.9	3.8	3.5	3.6	3.6
State & Local Govt.	3.2	2.8	3.1	3.2	3.1	3.1	3.1

Industry Hourly Wage Rates (nominal dollars)

Lumber & Wood Products	22.67	24.93	28.04	31.91	36.29	41.23	41.23
Primary Metal Mfg.	33.79	39.45	45.66	52.14	58.9	66.26	66.26
Fabricated Metal Mfg.	24.27	26.98	30.16	33.76	37.71	42.06	42.06
Machinery Mfg.	39.04	47.19	56.84	68.37	81.74	97.75	97.75
Computer & Electronics	61.21	78.11	100.42	127.64	161.91	204.14	204.14
Transportation Equipment	29.51	33.75	37.91	42.47	47.43	52.9	52.9
Other Durables	23.27	26.26	29.75	33.71	38.07	42.93	42.93
Food Manufacturing	19.66	21.64	23.83	26.25	28.83	31.64	31.64
Paper Manufacturing	29.14	32.89	36.9	41.53	46.64	52.37	52.37
Other Nondurables	22.47	25.2	28.22	31.6	35.28	39.33	39.33
Wholesale Trade	40.3	47.13	55.58	65.81	77.72	91.68	91.68
Retail Trade	14.51	16.48	18.45	20.62	23.01	25.64	25.64

Industry Wage Rates (nominal dollars)

Portland-Hillsboro-Vancouver, OR-WA MSA

	1980	1985	1990	1995	2000	2005	2010
Transport., Warehousing & Util.	10.38	11.55	13.75	15.51	19.96	19.42	21.95
Information	8.17	11.01	13.07	17.18	25.03	29.92	35.23
Finance & Insurance	7.03	9.43	12.61	16.51	21.39	29.33	32.25
Real Estate Rental & Leasing	5.26	6.36	8.01	9.55	12.5	17.42	17.64
Pro., Sci., & Tech. Services	7.45	10.34	15.09	18.57	24.54	22.26	26.2
Management of Co.	11.22	13.54	19.3	23.66	43.08	35.51	37.75
Admin. & Waste Support	5.4	6.61	6.98	8.38	11.34	12.27	14.51
Educational Services	5.56	6.91	8.28	10.01	11.9	13.63	15.88
Health Services	7.1	9.59	12.21	15.22	18.16	19.33	22.22
Federal Govt., Civilian	13.25	18.53	22.92	29.21	33.59	44.19	52.06
State & Local Govt.	8.28	12.08	13.67	16.76	19.74	23.95	27.67
U.S. Consumer Price Index	82.4	107.6	130.7	152.4	172.2	195.3	218.1

Industry Wage Rates (nominal dollars)

Portland-Hillsboro-Vancouver, OR-WA MSA

	2015	2020	2025	2030	2035	2040	2040
Transport., Warehousing & Util.	22.91	25.32	27.71	30.31	33.07	36.04	36.04
Information	39.53	48.88	59.29	71.8	86.59	104.2	104.2
Finance & Insurance	38.49	46.67	56.35	68.09	81.84	98.18	98.18
Real Estate Rental & Leasing	20.15	24.02	28.83	34.3	40.73	48.17	48.17
Pro., Sci., & Tech. Services	28.72	34.9	41.33	48.1	55.8	64.85	64.85
Management of Co.	47.06	58.66	69.19	81.42	95.4	111.54	111.54
Admin. & Waste Support	16.09	18.11	20.47	23.21	26.28	29.73	29.73
Educational Services	17.25	19.79	22.76	26.05	29.74	33.87	33.87
Health Services	24.94	28.79	32.99	37.73	42.99	48.9	48.9
Federal Govt., Civilian	60.06	68.39	79.05	95.23	113.24	135.13	135.13
State & Local Govt.	32.4	37.13	43.3	50.76	59.19	69.01	69.01
U.S. Consumer Price Index	240.3	264.8	291.5	321.7	356.9	397.3	397.3

Annual Employment (Portland MSA and U.S.)

Manufacturing employment sectors

	2000	2001	2002	2003	2004	2005	2006	2007
Total Nonfarm Wage and Salary Jobs, TOTAL								
Portland PMSA	973.8	966.5	945.0	935.2	955.6	985.1	1,017.0	1,036.6
%ch	2.4	-0.75	-2.23	-1.04	2.19	3.09	3.24	1.93
U.S.	111.1	110.8	108.94	108.52	109.88	111.93	114.15	115.42
%ch	2.13	-0.27	-1.68	-0.39	1.25	1.87	1.98	1.11
Manufacturing, TOTAL								
Portland PMSA	143.32	135.86	123.82	118.11	120.22	123.42	126.62	126.06
%ch	1.1	-5.21	-8.86	-4.61	1.78	2.66	2.59	-0.44
U.S.	17.27	16.44	15.26	14.51	14.31	14.23	14.16	13.88
%ch	-0.33	-4.78	-7.2	-4.9	-1.34	-0.62	-0.49	-1.97
Durable Goods, total								
Portland PMSA	107.55	102.26	92.8	87.93	90.05	93.61	96.38	95.71
%ch	2.09	-4.92	-9.25	-5.25	2.41	3.96	2.96	-0.69
U.S.	10.88	10.34	9.48	8.96	8.92	8.95	8.98	8.81
%ch	0.43	-4.99	-8.24	-5.49	-0.43	0.34	0.3	-1.94
Wood Products								
Portland PMSA	5.91	5.68	5.54	5.53	5.69	5.88	5.95	5.58
%ch	-3.17	-3.81	-2.49	-0.29	3.01	3.36	1.12	-6.17
U.S.	0.62	0.58	0.56	0.54	0.55	0.56	0.56	0.52
%ch	-1.18	-6.35	-3.35	-3.17	2.29	1.71	-0.08	-7.8
Primary Metals								
Portland PMSA	7.73	6.69	6.26	5.58	5.72	6.01	6.29	6.57
%ch	-2.9	-13.46	-6.46	-10.79	2.38	5.09	4.71	4.5
U.S.	0.62	0.57	0.51	0.48	0.47	0.47	0.46	0.46
%ch	-0.51	-8.26	-10.79	-6.26	-2.18	-0.16	-0.52	-1.75
Fabricated Metals								
Portland PMSA	13.67	12.71	11.97	11.51	11.87	12.52	12.93	13.31
%ch	0.73	-7.07	-5.77	-3.9	3.12	5.54	3.26	2.96
U.S.	1.75	1.68	1.55	1.48	1.5	1.52	1.55	1.56
%ch	1.44	-4.35	-7.64	-4.51	1.21	1.68	2.03	0.62
Machinery Mfg.								
Portland PMSA	10.44	9.9	8.78	8.43	8.26	8.38	8.38	8.59
%ch	2.97	-5.19	-11.28	-3.99	-2.07	1.52	0.01	2.49
U.S.	1.46	1.37	1.23	1.15	1.15	1.16	1.18	1.19
%ch	-0.78	-5.95	-10.13	-6.48	-0.58	1.69	1.58	0.35
Computer & Electronics								
Portland PMSA	41.22	42.72	37.68	34.69	35.63	36.48	37.7	36.88
%ch	7.33	3.64	-11.8	-7.94	2.71	2.41	3.33	-2.19
U.S.	1.82	1.75	1.51	1.36	1.32	1.32	1.31	1.27
%ch	2.22	-3.93	-13.81	-10.1	-2.41	-0.46	-0.69	-2.68

Annual Employment (Portland MSA and U.S.)

Manufacturing employment sectors

	2008	2009	2010	2011	2012	2013	2014	2015
Total Nonfarm Wage and Salary								
Portland PMSA	1,036.0	975.6	968.8	987.5	1,006.5	1,026.9	1,067.1	1,100.0
%ch	-0.06	-5.83	-0.54	1.93	1.92	2.03	3.92	3.08
U.S.	114.35	108.31	107.42	109.41	111.82	114.06	116.12	118.44
%ch	-0.93	-5.28	-0.82	1.85	2.21	2	1.81	2
Manufacturing, TOTAL								
Portland PMSA	123.16	109.08	107.02	111.05	114.18	115.58	118.38	119.11
%ch	-2.3	-11.43	-1.9	3.76	2.82	1.23	2.42	0.61
U.S.	13.4	11.85	11.53	11.73	11.92	11.98	12.21	12.44
%ch	-3.41	-11.62	-2.69	1.72	1.65	0.48	1.93	1.85
Durable Goods, total								
Portland PMSA	93.54	81.72	79.64	83.36	86.09	87.37	89.72	90.21
%ch	-2.27	-12.64	-2.55	4.67	3.27	1.49	2.69	0.55
U.S.	8.46	7.28	7.06	7.27	7.46	7.52	7.75	8
%ch	-3.91	-13.94	-3.03	2.97	2.63	0.78	3.03	3.2
Wood Products								
Portland PMSA	4.82	3.73	3.53	3.28	3.38	3.42	3.68	4.2
%ch	-13.58	-22.61	-5.6	-7.04	3.26	1.02	7.62	14.22
U.S.	0.46	0.36	0.34	0.34	0.34	0.35	0.4	0.5
%ch	-11.45	-21.34	-5.02	-1.55	0.45	2.9	15.72	25.21
Primary Metals								
Portland PMSA	7.07	5.84	5.47	5.72	6.07	6.21	6.02	5.82
%ch	7.48	-17.34	-6.29	4.57	5.97	2.43	-3.07	-3.45
U.S.	0.44	0.36	0.36	0.39	0.4	0.39	0.4	0.4
%ch	-3.02	-18.04	0.04	7.2	3.47	-1.82	0.76	0.74
Fabricated Metals								
Portland PMSA	13.43	11.07	11.17	11.92	12.48	12.99	13.38	13.53
%ch	0.89	-17.55	0.79	6.73	4.75	4.06	3.02	1.13
U.S.	1.53	1.31	1.28	1.35	1.41	1.44	1.49	1.56
%ch	-2.24	-14.12	-2.29	5.14	4.73	1.81	3.72	4.44
Machinery Mfg.								
Portland PMSA	8.33	7	7.08	7.72	7.94	8.29	8.72	8.89
%ch	-3	-16	1.16	8.94	2.92	4.35	5.23	1.94
U.S.	1.19	1.03	1	1.06	1.1	1.1	1.13	1.16
%ch	0.04	-13.34	-3.21	5.97	4.04	0.58	2.42	2.47
Computer & Electronics								
Portland PMSA	35.92	33.85	33.27	34.7	35.37	35.86	36.96	36.42
%ch	-2.6	-5.76	-1.73	4.3	1.92	1.4	3.05	-1.46
U.S.	1.24	1.14	1.09	1.1	1.09	1.08	1.09	1.08
%ch	-2.2	-8.64	-3.73	0.82	-0.87	-0.97	0.76	-1.36

Annual Employment (Portland MSA and U.S.)

Manufacturing employment sectors

	2016	2017	2018	2019	2020	2021	2022	2023
Total Nonfarm Wage and Salary								
Portland PMSA	1,131.9	1,159.5	1,183.0	1,206.4	1,228.1	1,244.9	1,261.4	1,278.8
%ch	2.89	2.44	2.03	1.97	1.81	1.36	1.32	1.38
U.S.	120.95	123.07	124.54	125.6	126.29	126.83	127.38	127.95
%ch	2.12	1.75	1.19	0.85	0.55	0.43	0.43	0.44
Manufacturing, TOTAL								
Portland PMSA	119.24	120.24	121.44	122.46	123.1	123.38	123.63	123.99
%ch	0.11	0.84	1	0.84	0.53	0.22	0.21	0.29
U.S.	12.59	12.66	12.69	12.7	12.65	12.57	12.46	12.4
%ch	1.26	0.56	0.21	0.07	-0.41	-0.63	-0.81	-0.53
Durable Goods, total								
Portland PMSA	90.07	90.86	91.93	92.89	93.57	93.98	94.42	94.93
%ch	-0.15	0.88	1.17	1.04	0.73	0.44	0.47	0.54
U.S.	8.17	8.24	8.24	8.24	8.21	8.15	8.08	8.05
%ch	2.18	0.79	0.02	0.08	-0.48	-0.7	-0.8	-0.46
Wood Products								
Portland PMSA	4.57	4.63	4.61	4.63	4.62	4.55	4.47	4.42
%ch	8.7	1.33	-0.47	0.44	-0.13	-1.47	-1.77	-1.24
U.S.	0.57	0.56	0.55	0.56	0.55	0.54	0.52	0.52
%ch	12.04	-0.43	-1.99	0.88	-0.31	-2.62	-2.95	-1.51
Primary Metals								
Portland PMSA	5.55	5.4	5.3	5.22	5.15	5.09	5.03	4.97
%ch	-4.5	-2.85	-1.86	-1.39	-1.28	-1.26	-1.2	-1.13
U.S.	0.41	0.42	0.43	0.43	0.43	0.42	0.42	0.42
%ch	2.37	2.82	1.36	0.5	-0.29	-0.8	-0.84	-0.5
Fabricated Metals								
Portland PMSA	13.58	13.55	13.42	13.28	13.17	13.05	12.92	12.81
%ch	0.35	-0.23	-0.96	-1.01	-0.87	-0.92	-1	-0.8
U.S.	1.61	1.64	1.64	1.64	1.65	1.65	1.66	1.66
%ch	3.61	1.68	-0.12	0.28	0.47	0.26	0.08	0.16
Machinery Mfg.								
Portland PMSA	8.89	8.86	8.77	8.7	8.64	8.57	8.48	8.41
%ch	-0.01	-0.38	-0.91	-0.86	-0.71	-0.75	-1.03	-0.88
U.S.	1.19	1.2	1.21	1.21	1.21	1.21	1.2	1.2
%ch	2.27	1.62	0.28	0.25	-0.07	-0.23	-0.47	-0.25
Computer & Electronics								
Portland PMSA	35.95	36.84	38.22	39.4	40.33	41.13	42.02	42.87
%ch	-1.3	2.48	3.76	3.06	2.38	1.97	2.16	2.03
U.S.	1.05	1.06	1.08	1.11	1.12	1.13	1.14	1.15
%ch	-2.25	0.7	2.38	1.88	1.3	0.87	0.85	0.77

Annual Employment (Portland MSA and U.S.)

Manufacturing employment sectors

	2024	2025	2026	2027	2028	2029	2030	2031
Total Nonfarm Wage and Salary								
Portland PMSA	1,295.7	1,311.6	1,328.8	1,346.4	1,363.3	1,380.6	1,399.8	1,417.3
%ch	1.33	1.22	1.31	1.32	1.26	1.27	1.39	1.25
U.S.	128.56	129.3	130.18	131.12	132.13	133.13	134.16	135.11
%ch	0.48	0.58	0.68	0.73	0.77	0.76	0.77	0.71
Manufacturing, TOTAL								
Portland PMSA	123.94	123.23	123.09	123.13	122.98	122.91	123	123.1
%ch	-0.04	-0.57	-0.12	0.03	-0.12	-0.06	0.07	0.08
U.S.	12.3	12.21	12.13	12.04	11.94	11.84	11.75	11.67
%ch	-0.76	-0.78	-0.64	-0.74	-0.82	-0.87	-0.77	-0.64
Durable Goods, total								
Portland PMSA	95	94.43	94.41	94.58	94.55	94.59	94.76	94.96
%ch	0.07	-0.6	-0.02	0.17	-0.02	0.03	0.18	0.21
U.S.	7.97	7.9	7.84	7.78	7.7	7.61	7.54	7.48
%ch	-0.89	-0.93	-0.72	-0.85	-1.01	-1.15	-0.98	-0.76
Wood Products								
Portland PMSA	4.37	4.36	4.35	4.3	4.22	4.17	4.16	4.12
%ch	-1	-0.31	-0.2	-1.11	-1.83	-1.14	-0.45	-0.85
U.S.	0.51	0.51	0.51	0.51	0.49	0.49	0.49	0.49
%ch	-1.17	0.17	0.41	-1.41	-2.37	-1.27	0.18	-0.44
Primary Metals								
Portland PMSA	4.93	4.85	4.8	4.76	4.72	4.66	4.62	4.59
%ch	-0.94	-1.47	-1.08	-0.77	-1.01	-1.13	-0.92	-0.66
U.S.	0.42	0.41	0.4	0.4	0.39	0.38	0.37	0.36
%ch	-0.8	-1.15	-1.67	-2.1	-2.49	-2.47	-2.54	-2.42
Fabricated Metals								
Portland PMSA	12.73	12.67	12.62	12.56	12.49	12.42	12.39	12.38
%ch	-0.64	-0.51	-0.38	-0.46	-0.56	-0.56	-0.28	-0.07
U.S.	1.65	1.63	1.62	1.59	1.57	1.55	1.53	1.52
%ch	-0.55	-0.9	-1.14	-1.43	-1.45	-1.51	-1.23	-0.76
Machinery Mfg.								
Portland PMSA	8.35	8.3	8.27	8.23	8.2	8.16	8.13	8.11
%ch	-0.7	-0.62	-0.42	-0.38	-0.45	-0.49	-0.36	-0.19
U.S.	1.19	1.19	1.18	1.16	1.15	1.13	1.11	1.09
%ch	-0.48	-0.62	-0.87	-1.24	-1.31	-1.64	-1.7	-1.55
Computer & Electronics								
Portland PMSA	43.23	42.93	43.1	43.49	43.75	44.05	44.39	44.71
%ch	0.83	-0.68	0.4	0.88	0.6	0.68	0.78	0.72
U.S.	1.14	1.12	1.1	1.1	1.09	1.08	1.08	1.08
%ch	-0.73	-1.91	-1.15	-0.7	-0.58	-0.57	-0.47	-0.42

Annual Employment (Portland MSA and U.S.)

Manufacturing employment sectors

	2032	2033	2034	2035	2036	2037	2038	2039
Total Nonfarm Wage and Salary								
Portland PMSA	1,433.8	1,450.2	1,467.0	1,484.5	1,502.7	1,520.6	1,537.8	1,554.5
%ch	1.16	1.15	1.16	1.19	1.23	1.19	1.13	1.09
U.S.	136.01	136.93	137.92	138.89	139.92	141.02	142.11	143.17
%ch	0.67	0.68	0.72	0.71	0.74	0.78	0.77	0.75
Manufacturing, TOTAL								
Portland PMSA	123.2	123.49	123.87	124.37	124.95	125.5	126.09	126.67
%ch	0.08	0.24	0.31	0.41	0.46	0.44	0.47	0.47
U.S.	11.58	11.49	11.41	11.35	11.28	11.21	11.15	11.09
%ch	-0.81	-0.8	-0.63	-0.59	-0.63	-0.62	-0.55	-0.53
Durable Goods, total								
Portland PMSA	95.2	95.64	96.13	96.74	97.41	98.06	98.74	99.43
%ch	0.25	0.46	0.52	0.63	0.69	0.67	0.7	0.7
U.S.	7.41	7.34	7.29	7.25	7.2	7.15	7.12	7.08
%ch	-0.96	-0.91	-0.67	-0.6	-0.64	-0.63	-0.55	-0.53
Wood Products								
Portland PMSA	4.01	3.93	3.91	3.91	3.9	3.87	3.84	3.8
%ch	-2.59	-1.96	-0.58	-0.05	-0.2	-0.85	-0.7	-1.15
U.S.	0.47	0.46	0.46	0.46	0.46	0.45	0.45	0.45
%ch	-3.62	-2.53	0.13	0.34	0.15	-1.05	-0.45	-1.23
Primary Metals								
Portland PMSA	4.56	4.52	4.48	4.45	4.43	4.41	4.39	4.38
%ch	-0.73	-0.86	-0.81	-0.59	-0.43	-0.45	-0.48	-0.4
U.S.	0.35	0.34	0.33	0.32	0.31	0.29	0.28	0.27
%ch	-2.61	-2.73	-2.73	-3.36	-3.83	-3.77	-3.7	-3.56
Fabricated Metals								
Portland PMSA	12.34	12.3	12.27	12.26	12.27	12.27	12.29	12.31
%ch	-0.28	-0.36	-0.22	-0.09	0.07	0.05	0.12	0.19
U.S.	1.5	1.49	1.48	1.47	1.46	1.45	1.44	1.44
%ch	-0.72	-0.88	-0.86	-0.8	-0.62	-0.52	-0.34	-0.14
Machinery Mfg.								
Portland PMSA	8.08	8.03	7.99	7.97	7.95	7.93	7.92	7.91
%ch	-0.45	-0.57	-0.46	-0.34	-0.23	-0.18	-0.14	-0.13
U.S.	1.07	1.05	1.03	1.02	1	0.98	0.97	0.96
%ch	-1.7	-1.8	-1.86	-1.73	-1.79	-1.54	-1.37	-1.23
Computer & Electronics								
Portland PMSA	45.21	45.93	46.6	47.31	48.05	48.8	49.58	50.38
%ch	1.12	1.57	1.46	1.54	1.55	1.57	1.6	1.6
U.S.	1.08	1.08	1.09	1.1	1.11	1.11	1.12	1.13
%ch	0.17	0.55	0.63	0.71	0.76	0.83	0.88	0.9

Annual Employment (Portland MSA and U.S.)

	Manufacturing employment sectors				APR
	2040	2041	2042	2043	2000-43
Total Nonfarm Wage and Salary					
Portland PMSA	1,571.3	1,585.5	1,598.9	1,610.4	1.2%
%ch	1.08	0.91	0.84	0.72	
U.S.	144.28	145.4	146.51	147.57	0.7%
%ch	0.77	0.77	0.77	0.72	
Manufacturing, TOTAL					
Portland PMSA	127.16	127.63	128.15	128.7	- 0.2%
%ch	0.38	0.37	0.4	0.43	
U.S.	11.02	10.98	10.95	10.93	- 1.1%
%ch	-0.56	-0.4	-0.3	-0.14	
Durable Goods, total					
Portland PMSA	100.01	100.58	101.19	101.82	- 0.1%
%ch	0.59	0.56	0.61	0.63	
U.S.	7.04	7.02	7	7.01	- 1.0%
%ch	-0.52	-0.32	-0.18	0.02	
Wood Products					
Portland PMSA	3.77	3.76	3.74	3.73	- 1.1%
%ch	-0.78	-0.18	-0.57	-0.39	
U.S.	0.44	0.44	0.44	0.44	- 0.8%
%ch	-0.75	0.09	-0.94	-0.18	
Primary Metals					
Portland PMSA	4.35	4.33	4.31	4.28	- 1.4%
%ch	-0.51	-0.6	-0.52	-0.51	
U.S.	0.26	0.25	0.25	0.24	- 2.2%
%ch	-3.59	-3.42	-3.17	-3.08	
Fabricated Metals					
Portland PMSA	12.33	12.35	12.37	12.4	- 0.2%
%ch	0.13	0.18	0.19	0.23	
U.S.	1.44	1.44	1.44	1.45	- 0.4%
%ch	-0.21	-0.04	0.11	0.34	
Machinery Mfg.					
Portland PMSA	7.9	7.88	7.86	7.84	- 0.7%
%ch	-0.2	-0.2	-0.22	-0.26	
U.S.	0.95	0.94	0.93	0.93	- 1.0%
%ch	-1.04	-0.76	-0.64	-0.4	
Computer & Electronics					
Portland PMSA	51.08	51.73	52.43	53.14	0.6%
%ch	1.39	1.27	1.35	1.37	
U.S.	1.14	1.15	1.16	1.17	- 1.0%
%ch	0.68	0.63	0.67	0.71	

Annual Employment (Portland MSA and U.S.)

Manufacturing employment sectors

	2000	2001	2002	2003	2004	2005	2006	2007
Transport. Equipment								
Portland PMSA	11.18	8.55	7.71	7.59	7.96	8.95	9.32	9
%ch	-3.68	-23.48	-9.84	-1.6	4.95	12.46	4.08	-3.41
U.S.	2.06	1.94	1.83	1.78	1.77	1.77	1.77	1.71
%ch	-1.51	-5.73	-5.61	-3	-0.48	0.31	-0.19	-3.23
Other Durable Goods								
Portland PMSA	17.4	16.01	14.86	14.61	14.93	15.37	15.81	15.77
%ch	-0.9	-8	-7.18	-1.69	2.16	3	2.82	-0.21
U.S.	4.01	3.82	3.53	3.34	3.32	3.32	3.33	3.29
%ch	0.61	-4.65	-7.64	-5.51	-0.52	-0.09	0.34	-1.2
Non-Durable Goods								
Portland PMSA	35.77	33.6	31.02	30.18	30.18	29.82	30.24	30.35
%ch	-1.78	-6.08	-7.69	-2.68	-0.03	-1.19	1.43	0.36
U.S.	6.39	6.1	5.77	5.55	5.39	5.27	5.17	5.07
%ch	-1.6	-4.42	-5.44	-3.94	-2.8	-2.21	-1.83	-2.02
Food Processing								
Portland PMSA	8.87	8.79	8.74	8.72	8.64	8.56	8.8	9.1
%ch	-0.89	-0.84	-0.66	-0.19	-0.87	-0.97	2.82	3.4
U.S.	1.55	1.55	1.52	1.52	1.49	1.48	1.48	1.48
%ch	0.19	-0.19	-1.64	-0.49	-1.54	-1.1	0.12	0.29
Paper								
Portland PMSA	6.52	6.3	5.6	5.38	5.15	4.98	4.94	4.66
%ch	1.84	-3.32	-11.11	-4.01	-4.18	-3.24	-0.85	-5.74
U.S.	0.6	0.58	0.55	0.52	0.5	0.48	0.47	0.46
%ch	-1.77	-4.47	-5.38	-5.55	-4.02	-2.28	-2.83	-2.63
Other Non-Durable Goods								
Portland PMSA	20.39	18.51	16.68	16.09	16.38	16.27	16.5	16.59
%ch	-3.26	-9.24	-9.87	-3.55	1.82	-0.66	1.39	0.56
U.S.	4.23	3.98	3.7	3.51	3.4	3.31	3.22	3.13
%ch	-2.22	-5.96	-6.93	-5.11	-3.17	-2.69	-2.55	-2.98

Annual Employment (Portland MSA and U.S.)

Manufacturing employment sectors

	2008	2009	2010	2011	2012	2013	2014	2015
Transport. Equipment								
Portland PMSA	8.58	6.93	6.3	6.78	7.32	7.47	7.31	7.23
%ch	-4.74	-19.15	-9.12	7.55	7.99	2.08	-2.12	-1.09
U.S.	1.61	1.35	1.33	1.38	1.46	1.49	1.52	1.55
%ch	-6.07	-16.17	-1.08	3.63	5.37	2.27	2.28	2.1
Other Durable Goods								
Portland PMSA	15.39	13.28	12.83	13.25	13.53	13.13	13.65	14.12
%ch	-2.42	-13.69	-3.48	3.32	2.08	-2.97	3.96	3.47
U.S.	3.18	2.76	2.65	2.71	2.76	2.77	2.84	2.91
%ch	-3.17	-13.17	-4.17	2.47	1.76	0.28	2.68	2.12
Non-Durable Goods								
Portland PMSA	29.62	27.36	27.38	27.69	28.1	28.22	28.67	28.9
%ch	-2.39	-7.63	0.05	1.13	1.47	0.43	1.59	0.81
U.S.	4.94	4.56	4.46	4.45	4.46	4.46	4.46	4.44
%ch	-2.56	-7.64	-2.15	-0.24	0.06	-0.03	0.09	-0.48
Food Processing								
Portland PMSA	9.22	9.11	9.48	9.69	10.1	10.52	10.62	10.39
%ch	1.27	-1.1	4.02	2.2	4.2	4.23	0.91	-2.19
U.S.	1.48	1.46	1.45	1.46	1.47	1.47	1.48	1.49
%ch	-0.23	-1.59	-0.38	0.53	0.66	0.04	0.86	0.77
Paper								
Portland PMSA	4.45	3.92	3.63	3.43	3.31	3.25	3.26	3.3
%ch	-4.48	-11.79	-7.43	-5.72	-3.4	-1.72	0.3	1.31
U.S.	0.44	0.41	0.39	0.39	0.38	0.38	0.37	0.37
%ch	-2.88	-8.56	-3.03	-1.84	-2.08	-0.86	-0.48	-0.07
Other Non-Durable Goods								
Portland PMSA	15.96	14.32	14.27	14.57	14.69	14.44	14.79	15.21
%ch	-3.82	-10.24	-0.42	2.16	0.81	-1.69	2.38	2.85
U.S.	3.02	2.7	2.62	2.61	2.61	2.61	2.6	2.57
%ch	-3.62	-10.48	-2.97	-0.43	0.05	0.05	-0.27	-1.26

Annual Employment (Portland MSA and U.S.)

Manufacturing employment sectors

	2016	2017	2018	2019	2020	2021	2022	2023
Transport. Equipment								
Portland PMSA	7.05	6.79	6.63	6.51	6.36	6.2	6.06	5.96
%ch	-2.44	-3.71	-2.36	-1.78	-2.38	-2.52	-2.2	-1.67
U.S.	1.58	1.57	1.55	1.53	1.48	1.44	1.41	1.38
%ch	1.63	-0.36	-1.26	-1.57	-3.08	-2.65	-2.57	-1.92
Other Durable Goods								
Portland PMSA	14.48	14.8	14.97	15.14	15.29	15.39	15.44	15.48
%ch	2.57	2.22	1.15	1.14	0.98	0.63	0.32	0.29
U.S.	2.95	2.98	2.98	2.98	2.97	2.96	2.94	2.92
%ch	1.61	0.9	0.11	-0.02	-0.4	-0.47	-0.65	-0.4
Non-Durable Goods								
Portland PMSA	29.17	29.37	29.51	29.57	29.54	29.4	29.21	29.06
%ch	0.94	0.71	0.47	0.19	-0.12	-0.47	-0.63	-0.53
U.S.	4.42	4.43	4.45	4.45	4.44	4.42	4.38	4.35
%ch	-0.39	0.12	0.58	0.04	-0.27	-0.52	-0.84	-0.64
Food Processing								
Portland PMSA	10.23	10.09	9.98	9.89	9.82	9.75	9.7	9.66
%ch	-1.52	-1.32	-1.14	-0.87	-0.75	-0.71	-0.53	-0.41
U.S.	1.5	1.52	1.55	1.56	1.57	1.58	1.58	1.59
%ch	0.78	1.1	1.59	0.92	0.85	0.57	0.14	0.36
Paper								
Portland PMSA	3.33	3.28	3.2	3.11	3.03	2.94	2.85	2.77
%ch	0.7	-1.45	-2.56	-2.57	-2.51	-3.08	-3.05	-2.86
U.S.	0.37	0.38	0.38	0.38	0.38	0.38	0.38	0.38
%ch	0.08	0.39	0.8	0.35	0.21	0.07	-0.29	-0.07
Other Non-Durable Goods								
Portland PMSA	15.61	16	16.34	16.57	16.68	16.71	16.66	16.63
%ch	2.67	2.49	2.11	1.38	0.71	0.15	-0.27	-0.2
U.S.	2.54	2.53	2.53	2.51	2.49	2.46	2.42	2.38
%ch	-1.13	-0.5	-0.06	-0.55	-1.03	-1.29	-1.56	-1.39

Annual Employment (Portland MSA and U.S.)

Manufacturing employment sectors

	2024	2025	2026	2027	2028	2029	2030	2031
Transport. Equipment								
Portland PMSA	5.86	5.76	5.68	5.59	5.52	5.45	5.39	5.33
%ch	-1.73	-1.64	-1.48	-1.43	-1.31	-1.23	-1.15	-1.12
U.S.	1.35	1.34	1.33	1.33	1.33	1.32	1.31	1.3
%ch	-2.02	-1.2	-0.16	-0.12	-0.3	-0.76	-0.86	-0.42
Other Durable Goods								
Portland PMSA	15.53	15.56	15.6	15.64	15.66	15.67	15.69	15.72
%ch	0.33	0.17	0.25	0.24	0.14	0.07	0.12	0.2
U.S.	2.91	2.89	2.87	2.85	2.83	2.8	2.77	2.74
%ch	-0.57	-0.59	-0.64	-0.66	-0.82	-1.16	-1.08	-0.88
Non-Durable Goods								
Portland PMSA	28.94	28.8	28.67	28.55	28.43	28.33	28.24	28.13
%ch	-0.41	-0.48	-0.44	-0.44	-0.43	-0.35	-0.31	-0.37
U.S.	4.33	4.31	4.29	4.26	4.25	4.23	4.21	4.2
%ch	-0.52	-0.5	-0.49	-0.54	-0.45	-0.35	-0.4	-0.43
Food Processing								
Portland PMSA	9.63	9.6	9.58	9.56	9.54	9.53	9.53	9.52
%ch	-0.31	-0.3	-0.21	-0.18	-0.17	-0.12	-0.08	-0.11
U.S.	1.6	1.61	1.61	1.62	1.62	1.63	1.63	1.64
%ch	0.56	0.55	0.46	0.29	0.3	0.32	0.31	0.36
Paper								
Portland PMSA	2.69	2.62	2.56	2.49	2.43	2.36	2.31	2.25
%ch	-2.88	-2.59	-2.36	-2.54	-2.74	-2.69	-2.29	-2.57
U.S.	0.37	0.37	0.37	0.37	0.37	0.37	0.38	0.38
%ch	-1.34	-0.84	0.06	0.12	0.21	0.33	0.27	0.2
Other Non-Durable Goods								
Portland PMSA	16.62	16.58	16.54	16.49	16.46	16.43	16.41	16.37
%ch	-0.05	-0.24	-0.27	-0.27	-0.23	-0.14	-0.15	-0.22
U.S.	2.36	2.33	2.3	2.27	2.25	2.23	2.2	2.18
%ch	-1.11	-1.16	-1.23	-1.23	-1.1	-0.95	-1.02	-1.12

Annual Employment (Portland MSA and U.S.)

Manufacturing employment sectors

	2032	2033	2034	2035	2036	2037	2038	2039
Transport. Equipment								
Portland PMSA	5.28	5.22	5.18	5.13	5.08	5.02	4.96	4.89
%ch	-1.05	-0.97	-0.9	-0.9	-0.99	-1.1	-1.27	-1.37
U.S.	1.3	1.29	1.29	1.28	1.27	1.26	1.25	1.24
%ch	-0.33	-0.47	-0.42	-0.37	-0.68	-0.74	-1.01	-1.19
Other Durable Goods								
Portland PMSA	15.73	15.71	15.7	15.71	15.73	15.74	15.75	15.76
%ch	0.03	-0.11	-0.04	0.04	0.11	0.08	0.06	0.05
U.S.	2.71	2.68	2.65	2.62	2.6	2.58	2.56	2.54
%ch	-1.15	-1.19	-1.09	-0.95	-0.97	-0.83	-0.71	-0.59
Non-Durable Goods								
Portland PMSA	28	27.86	27.74	27.63	27.54	27.44	27.35	27.25
%ch	-0.49	-0.51	-0.42	-0.39	-0.34	-0.35	-0.35	-0.37
U.S.	4.17	4.15	4.12	4.1	4.08	4.05	4.03	4.01
%ch	-0.54	-0.61	-0.55	-0.57	-0.6	-0.59	-0.54	-0.54
Food Processing								
Portland PMSA	9.51	9.51	9.5	9.5	9.5	9.5	9.5	9.5
%ch	-0.08	-0.03	-0.02	-0.01	0	-0.01	0	-0.01
U.S.	1.64	1.65	1.65	1.65	1.65	1.65	1.65	1.65
%ch	0.25	0.14	0.16	0.11	0.01	0.01	0.07	0.08
Paper								
Portland PMSA	2.18	2.12	2.06	2.01	1.97	1.92	1.88	1.83
%ch	-2.9	-3.02	-2.52	-2.39	-2.23	-2.39	-2.37	-2.45
U.S.	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38
%ch	0.04	0.03	0.08	0.03	-0.06	-0.02	0.05	0.11
Other Non-Durable Goods								
Portland PMSA	16.31	16.23	16.17	16.12	16.07	16.02	15.97	15.92
%ch	-0.39	-0.45	-0.38	-0.35	-0.3	-0.3	-0.3	-0.34
U.S.	2.15	2.12	2.1	2.07	2.05	2.02	2	1.98
%ch	-1.23	-1.3	-1.21	-1.21	-1.19	-1.18	-1.15	-1.17

Annual Employment (Portland MSA and U.S.)

	Manufacturing employment sectors				APR
	2040	2041	2042	2043	2000-43
Transport. Equipment					
Portland PMSA	4.83	4.77	4.73	4.68	- 2.0%
%ch	-1.3	-1.16	-0.92	-0.95	
U.S.	1.22	1.21	1.2	1.2	- 1.2%
%ch	-1.23	-1.12	-0.43	-0.16	
Other Durable Goods					
Portland PMSA	15.76	15.75	15.75	15.74	- 0.2%
%ch	-0.01	-0.02	-0.03	-0.04	
U.S.	2.53	2.52	2.52	2.52	- 1.1%
%ch	-0.52	-0.28	-0.19	-0.04	
Non-Durable Goods					
Portland PMSA	27.15	27.05	26.96	26.87	- 0.7%
%ch	-0.37	-0.34	-0.35	-0.32	
U.S.	3.98	3.96	3.94	3.93	- 1.1%
%ch	-0.64	-0.54	-0.51	-0.42	
Food Processing					
Portland PMSA	9.5	9.5	9.5	9.5	0.2%
%ch	0.02	-0.03	0	0	
U.S.	1.65	1.65	1.65	1.65	0.1%
%ch	-0.09	-0.04	0.01	0.03	
Paper					
Portland PMSA	1.79	1.75	1.71	1.67	- 3.1%
%ch	-2.37	-2.31	-2.25	-2.31	
U.S.	0.38	0.38	0.38	0.38	- 1.1%
%ch	-0.05	-0.13	-0.15	-0.05	
Other Non-Durable Goods					
Portland PMSA	15.86	15.81	15.76	15.71	- 0.6%
%ch	-0.37	-0.3	-0.35	-0.29	
U.S.	1.95	1.93	1.91	1.9	- 1.8%
%ch	-1.21	-1.04	-1.03	-0.88	

Annual Employment (Portland MSA and U.S.)

Nonmanufacturing employment sectors

	2000	2001	2002	2003	2004	2005	2006	2007
Total Non-Manufacturing								
Portland PMSA	699.4	698.6	686.5	682.7	697.6	722.5	749.8	766.6
%ch	2.6	-0.1	-1.7	-0.6	2.2	3.6	3.8	2.2
U.S. (millions)	93.8	94.4	93.7	94.0	95.6	97.7	100.0	101.5
%ch	2.6	0.6	-0.7	0.4	1.7	2.3	2.3	1.6
Natural Resources								
Portland PMSA	1.9	1.7	1.7	1.7	1.7	1.8	1.7	1.6
%ch	-9.9	-7.5	-4.6	0.7	0.8	5.5	-5.3	-2.9
U.S. (millions)	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7
%ch	0.1	1.1	-3.9	-1.8	3.2	6.2	9.1	5.7
Construction								
Portland PMSA	53.2	54.0	51.6	50.1	53.9	58.5	63.2	65.3
%ch	1.5	1.6	-4.5	-3.0	7.5	8.5	8.1	3.4
U.S. (millions)	6.8	6.8	6.7	6.7	7.0	7.3	7.7	7.6
%ch	3.72	0.57	-1.63	0.3	3.53	5.17	4.86	-0.81
Wholesale Trade								
Portland PMSA	55.58	56.29	54.63	54.79	55.11	56.29	57.47	58.13
%ch	3.6	1.28	-2.95	0.29	0.59	2.13	2.1	1.16
U.S. (millions)	5.93	5.77	5.65	5.61	5.66	5.76	5.9	6.02
%ch	0.68	-2.69	-2.08	-0.8	0.95	1.78	2.46	1.89
Retail Trade								
Portland PMSA	106.78	103.42	100.51	99.59	101.25	104.83	107.59	109.78
%ch	1.75	-3.14	-2.81	-0.91	1.67	3.53	2.63	2.04
U.S. (millions)	15.28	15.24	15.03	14.92	15.06	15.28	15.36	15.52
%ch	2.06	-0.26	-1.39	-0.73	0.96	1.46	0.49	1.05
Transportation, Warehousing and Utilities								
Portland PMSA	38.63	38.43	37.3	36.51	37.03	36.88	37.48	37.82
%ch	0.61	-0.53	-2.94	-2.1	1.4	-0.39	1.63	0.91
U.S. (millions)	5.01	4.97	4.82	4.76	4.81	4.92	5.02	5.1
%ch	2.18	-0.81	-3.07	-1.23	1.12	2.15	2.04	1.55
Information								
Portland PMSA	25.96	25.91	23.83	22.52	22.49	23.09	23.98	24.77
%ch	8.88	-0.18	-8.05	-5.5	-0.11	2.67	3.87	3.27
U.S. (millions)	2.59	2.61	2.43	2.26	2.21	2.16	2.14	2.13
%ch	7.52	0.51	-6.83	-6.84	-2.47	-2.3	-0.98	-0.25
Financial Activities								
Portland PMSA	64.85	65.05	65.58	66.43	66.07	68.22	70.63	70.37
%ch	-0.51	0.31	0.81	1.3	-0.55	3.26	3.53	-0.37
U.S. (millions)	7.78	7.9	7.96	8.08	8.11	8.2	8.37	8.35
%ch	0.42	1.5	0.69	1.52	0.35	1.13	2.06	-0.23

Annual Employment (Portland MSA and U.S.)

Nonmanufacturing employment sectors

	2008	2009	2010	2011	2012	2013	2014	2015
Total Non-Manufacturing								
Portland PMSA	764.2	716.8	714.4	731.0	747.4	766.1	798.2	827.7
%ch	-0.3	-6.2	-0.3	2.3	2.2	2.5	4.2	3.7
U.S. (millions)	100.9	96.5	95.9	97.7	99.9	102.1	103.9	106.0
%ch	-0.6	-4.4	-0.6	1.9	2.3	2.2	1.8	2.0
Natural Resources								
Portland PMSA	1.6	1.2	1.1	1.1	1.0	1.0	1.1	1.4
%ch	-5.1	-21.5	-12.3	-1.7	-9.4	1.8	16.4	27.6
U.S. (millions)	0.8	0.7	0.7	0.8	0.9	0.9	0.9	0.9
%ch	5.9	-9.4	1.5	11.8	8.0	3.0	2.7	0.9
Construction								
Portland PMSA	60.8	49.5	45.1	46.6	48.2	49.5	55.2	59.9
%ch	-6.9	-18.7	-8.9	3.4	3.5	2.8	11.3	8.6
U.S. (millions)	7.2	6.0	5.5	5.5	5.6	5.8	6.1	6.6
%ch	-6.1	-16.01	-8.27	0.26	1.99	2.93	4.23	9.14
Wholesale Trade								
Portland PMSA	57.83	54.35	53.23	54.62	55.86	57.48	58.96	60.22
%ch	-0.51	-6.02	-2.06	2.62	2.26	2.91	2.57	2.14
U.S. (millions)	5.94	5.59	5.45	5.54	5.67	5.76	5.82	5.93
%ch	-1.21	-6.01	-2.41	1.67	2.37	1.53	1.02	1.81
Retail Trade								
Portland PMSA	108.56	101.15	101.16	102.38	103.93	105.12	109.26	113.41
%ch	-1.11	-6.83	0.02	1.2	1.52	1.14	3.94	3.8
U.S. (millions)	15.28	14.52	14.44	14.67	14.87	15.18	15.38	15.4
%ch	-1.49	-5	-0.53	1.57	1.35	2.06	1.33	0.14
Transportation, Warehousing and Utilities								
Portland PMSA	37.58	34.19	33.28	33.67	33.77	35.01	36.61	37.84
%ch	-0.64	-9.02	-2.65	1.16	0.29	3.68	4.58	3.36
U.S. (millions)	5.07	4.8	4.74	4.85	4.97	5.03	5.11	5.26
%ch	-0.56	-5.32	-1.14	2.34	2.37	1.26	1.6	2.89
Information								
Portland PMSA	24.6	22.87	22.46	22.42	22.47	23.23	23.32	23.46
%ch	-0.68	-7.05	-1.79	-0.15	0.19	3.42	0.38	0.61
U.S. (millions)	2.1	2.01	1.95	1.93	1.94	1.96	1.97	1.98
%ch	-1.31	-4.58	-2.93	-1.16	0.78	1.19	0.2	0.67
Financial Activities								
Portland PMSA	67.77	63.81	61.92	61.6	62.2	63.25	64.11	65.66
%ch	-3.7	-5.84	-2.97	-0.51	0.97	1.69	1.36	2.42
U.S. (millions)	8.2	7.84	7.7	7.7	7.79	7.89	7.9	7.9
%ch	-1.72	-4.46	-1.81	0.01	1.15	1.28	0.16	0.04

Annual Employment (Portland MSA and U.S.)

Nonmanufacturing employment sectors

	2016	2017	2018	2019	2020	2021	2022	2023
Total Non-Manufacturing								
Portland PMSA	856.1	880.0	899.7	919.6	937.9	953.0	967.1	982.1
%ch	3.4	2.8	2.3	2.2	2.0	1.6	1.5	1.6
U.S. (millions)	108.4	110.4	111.9	112.9	113.6	114.3	114.9	115.6
%ch	2.2	1.9	1.3	0.9	0.7	0.6	0.6	0.6
Natural Resources								
Portland PMSA	1.7	1.8	1.8	1.8	1.7	1.7	1.6	1.6
%ch	18.9	5.9	-1.3	-1.8	-1.7	-3.3	-3.2	-2.6
U.S. (millions)	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
%ch	3.2	1.3	1.0	-0.4	0.2	1.2	0.9	-0.5
Construction								
Portland PMSA	64.4	67.2	69.0	70.8	72.5	73.7	74.8	76.3
%ch	7.5	4.4	2.6	2.6	2.4	1.7	1.5	1.9
U.S. (millions)	7.2	7.7	7.9	8.0	8.1	8.1	8.2	8.3
%ch	9.53	5.89	2.44	1.52	1.16	0.73	0.73	1.12
Wholesale Trade								
Portland PMSA	61.47	62.87	64.2	65.48	66.67	67.69	68.56	69.45
%ch	2.07	2.27	2.13	1.98	1.82	1.54	1.29	1.29
U.S. (millions)	6.07	6.2	6.29	6.36	6.39	6.43	6.46	6.48
%ch	2.36	2.14	1.6	0.98	0.59	0.55	0.44	0.4
Retail Trade								
Portland PMSA	116.71	118.89	120.39	121.89	123.25	124.42	125.5	126.77
%ch	2.91	1.87	1.27	1.25	1.12	0.95	0.87	1.01
U.S. (millions)	15.46	15.52	15.53	15.5	15.43	15.33	15.23	15.12
%ch	0.37	0.42	0.06	-0.18	-0.46	-0.65	-0.67	-0.73
Transportation, Warehousing and Utilities								
Portland PMSA	39	39.95	40.57	41.05	41.44	41.68	41.84	42.03
%ch	3.04	2.44	1.55	1.18	0.96	0.57	0.39	0.46
U.S. (millions)	5.44	5.61	5.73	5.76	5.77	5.77	5.77	5.76
%ch	3.41	3.08	2.15	0.6	0.12	0.04	-0.05	-0.1
Information								
Portland PMSA	24.07	24.75	25.38	26.07	26.79	27.47	28.15	28.81
%ch	2.6	2.79	2.55	2.72	2.78	2.54	2.46	2.35
U.S. (millions)	2.04	2.11	2.16	2.21	2.27	2.32	2.39	2.45
%ch	3.14	3.53	2.02	2.44	2.55	2.56	2.77	2.75
Financial Activities								
Portland PMSA	66.78	67.05	67.29	67.75	68.26	68.61	68.97	69.35
%ch	1.7	0.41	0.35	0.69	0.76	0.51	0.52	0.55
U.S. (millions)	7.87	7.81	7.75	7.74	7.74	7.73	7.73	7.74
%ch	-0.35	-0.87	-0.67	-0.23	0.02	-0.13	0.03	0.1

Annual Employment (Portland MSA and U.S.)

Nonmanufacturing employment sectors

	2024	2025	2026	2027	2028	2029	2030	2031
Total Non-Manufacturing								
Portland PMSA	996.9	1,011.0	1,026.0	1,041.2	1,056.0	1,071.0	1,087.1	1,102.6
%ch	1.5	1.4	1.5	1.5	1.4	1.4	1.5	1.4
U.S. (millions)	116.3	117.1	118.1	119.1	120.2	121.3	122.4	123.4
%ch	0.6	0.7	0.8	0.9	0.9	0.9	0.9	0.8
Natural Resources								
Portland PMSA	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4
%ch	-3.1	-2.1	-0.8	-1.6	-2.5	-2.0	-0.5	-0.6
U.S. (millions)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9
%ch	-0.7	-0.6	-0.3	-0.4	-0.3	-0.2	-0.5	-0.5
Construction								
Portland PMSA	77.8	79.8	81.9	83.9	85.8	87.8	90.1	92.3
%ch	2.1	2.5	2.6	2.5	2.3	2.3	2.6	2.4
U.S. (millions)	8.4	8.5	8.7	8.9	9.0	9.2	9.4	9.5
%ch	1.38	1.83	2.14	1.94	1.64	1.65	2.03	1.68
Wholesale Trade								
Portland PMSA	70.37	71.15	71.94	72.84	73.71	74.57	75.45	76.38
%ch	1.33	1.1	1.12	1.25	1.2	1.16	1.18	1.24
U.S. (millions)	6.52	6.55	6.58	6.61	6.6	6.59	6.57	6.55
%ch	0.5	0.55	0.48	0.44	-0.14	-0.25	-0.25	-0.34
Retail Trade								
Portland PMSA	128.17	129.7	131.31	132.91	134.46	136.01	137.66	139.34
%ch	1.11	1.19	1.25	1.22	1.17	1.15	1.21	1.22
U.S. (millions)	15.07	15.08	15.1	15.14	15.21	15.27	15.33	15.39
%ch	-0.29	0.06	0.13	0.27	0.48	0.4	0.37	0.39
Transportation, Warehousing and Utilities								
Portland PMSA	42.25	42.44	42.7	43	43.29	43.56	43.86	44.18
%ch	0.51	0.45	0.61	0.71	0.66	0.63	0.7	0.72
U.S. (millions)	5.8	5.87	5.93	5.95	5.96	5.98	5.97	5.95
%ch	0.72	1.17	1	0.31	0.25	0.23	-0.11	-0.39
Information								
Portland PMSA	29.39	29.89	30.39	30.89	31.43	32.01	32.64	33.27
%ch	2.02	1.71	1.66	1.64	1.76	1.84	1.97	1.93
U.S. (millions)	2.49	2.5	2.51	2.53	2.55	2.58	2.61	2.66
%ch	1.3	0.6	0.49	0.51	0.89	1.08	1.44	1.64
Financial Activities								
Portland PMSA	69.75	70.15	70.48	70.91	71.41	71.98	72.6	73.16
%ch	0.57	0.58	0.47	0.61	0.7	0.8	0.86	0.78
U.S. (millions)	7.75	7.76	7.75	7.76	7.79	7.83	7.87	7.9
%ch	0.14	0.12	-0.1	0.13	0.35	0.51	0.52	0.44

Annual Employment (Portland MSA and U.S.)

Nonmanufacturing employment sectors

	2032	2033	2034	2035	2036	2037	2038	2039
Total Non-Manufacturing								
Portland PMSA	1,116.6	1,130.3	1,144.3	1,158.8	1,173.9	1,188.7	1,202.9	1,216.5
%ch	1.3	1.2	1.2	1.3	1.3	1.3	1.2	1.1
U.S. (millions)	124.4	125.5	126.5	127.5	128.7	129.8	131.0	132.1
%ch	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9
Natural Resources								
Portland PMSA	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
%ch	-3.3	-3.8	-1.2	0.7	0.7	-0.2	-0.6	-1.1
U.S. (millions)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
%ch	-0.3	-0.3	0.0	0.1	0.2	0.1	0.0	-0.2
Construction								
Portland PMSA	93.8	95.3	97.1	99.3	101.7	104.0	106.3	108.7
%ch	1.7	1.5	1.9	2.3	2.4	2.3	2.3	2.2
U.S. (millions)	9.6	9.7	9.7	9.9	10.1	10.2	10.4	10.6
%ch	0.75	0.48	0.96	1.59	1.81	1.64	1.65	1.56
Wholesale Trade								
Portland PMSA	77.21	77.99	78.76	79.55	80.35	81.1	81.75	82.3
%ch	1.08	1.01	1	1	1.01	0.93	0.81	0.67
U.S. (millions)	6.53	6.52	6.51	6.49	6.48	6.47	6.46	6.44
%ch	-0.26	-0.2	-0.15	-0.23	-0.19	-0.16	-0.19	-0.28
Retail Trade								
Portland PMSA	140.73	141.95	143.24	144.63	146.09	147.45	148.68	149.78
%ch	0.99	0.86	0.91	0.97	1.01	0.93	0.84	0.74
U.S. (millions)	15.46	15.53	15.6	15.67	15.73	15.82	15.9	15.97
%ch	0.43	0.45	0.47	0.42	0.42	0.55	0.5	0.48
Transportation, Warehousing and Utilities								
Portland PMSA	44.43	44.62	44.81	45.01	45.25	45.51	45.72	45.9
%ch	0.56	0.44	0.42	0.45	0.53	0.57	0.47	0.4
U.S. (millions)	5.93	5.9	5.88	5.85	5.81	5.77	5.74	5.69
%ch	-0.32	-0.4	-0.38	-0.6	-0.64	-0.62	-0.63	-0.73
Information								
Portland PMSA	33.89	34.43	35	35.56	36.12	36.69	37.29	37.86
%ch	1.85	1.61	1.65	1.61	1.56	1.6	1.63	1.52
U.S. (millions)	2.69	2.72	2.76	2.79	2.82	2.86	2.92	2.98
%ch	1.47	1.08	1.2	1.1	1.07	1.47	2.02	2.09
Financial Activities								
Portland PMSA	73.6	74.16	74.83	75.54	76.21	76.9	77.55	78.11
%ch	0.6	0.76	0.91	0.95	0.89	0.89	0.85	0.73
U.S. (millions)	7.92	7.96	8.02	8.09	8.14	8.2	8.25	8.29
%ch	0.24	0.54	0.77	0.81	0.67	0.67	0.64	0.47

Annual Employment (Portland MSA and U.S.)

Nonmanufacturing employment sectors					APR
	2040	2041	2042	2043	2000-43
Total Non-Manufacturing					
Portland PMSA	1,229.7	1,241.5	1,251.7	1,260.1	1.4%
%ch	1.1	1.0	0.8	0.7	
U.S. (millions)	133.3	134.4	135.6	136.6	0.9%
%ch	0.9	0.9	0.9	0.8	
Natural Resources					
Portland PMSA	1.3	1.3	1.3	1.3	- 0.9%
%ch	-1.1	0.1	0.0	-0.3	
U.S. (millions)	0.9	0.9	0.9	0.9	1.0%
%ch	-0.1	0.0	-0.1	-0.2	
Construction					
Portland PMSA	110.9	113.2	115.5	117.8	1.9%
%ch	2.0	2.1	2.0	2.0	
U.S. (millions)	10.7	10.9	11.0	11.2	1.2%
%ch	1.32	1.48	1.41	1.4	
Wholesale Trade					
Portland PMSA	82.72	82.95	82.96	82.72	0.9%
%ch	0.5	0.28	0.01	-0.29	
U.S. (millions)	6.42	6.4	6.39	6.37	0.2%
%ch	-0.32	-0.28	-0.2	-0.27	
Retail Trade					
Portland PMSA	150.66	151.35	151.76	151.84	0.8%
%ch	0.59	0.46	0.27	0.05	
U.S. (millions)	16.05	16.11	16.16	16.18	0.1%
%ch	0.51	0.38	0.26	0.17	
Transportation, Warehousing and Utilities					
Portland PMSA	46.05	46.12	46.14	46.05	0.4%
%ch	0.32	0.17	0.03	-0.18	
U.S. (millions)	5.66	5.63	5.61	5.59	0.3%
%ch	-0.64	-0.47	-0.31	-0.35	
Information					
Portland PMSA	38.31	38.71	39.1	39.34	1.0%
%ch	1.18	1.07	0.98	0.63	
U.S. (millions)	3.01	3.06	3.12	3.18	0.5%
%ch	1.26	1.53	2	1.93	
Financial Activities					
Portland PMSA	78.74	79.35	79.89	80.37	0.5%
%ch	0.8	0.78	0.68	0.61	
U.S. (millions)	8.34	8.39	8.44	8.49	0.2%
%ch	0.62	0.65	0.58	0.56	

Annual Employment (Portland MSA and U.S.)

Nonmanufacturing employment sectors

	2000	2001	2002	2003	2004	2005	2006	2007
Professional Business Services								
Portland PMSA	130.45	127.48	121.67	117.89	122.09	128.5	134.82	136.43
%ch	5.36	-2.28	-4.56	-3.11	3.56	5.25	4.92	1.2
U.S. (millions)	16.67	16.48	15.97	15.98	16.39	16.95	17.57	17.95
%ch	4.49	-1.15	-3.07	0.06	2.52	3.44	3.66	2.13
Education & Health Services								
Portland PMSA	102.91	106.55	110.99	113.62	115.64	119.83	123.22	127.75
%ch	2.27	3.53	4.16	2.38	1.77	3.62	2.83	3.68
U.S. (millions)	15.11	15.64	16.2	16.59	16.95	17.37	17.82	18.32
%ch	2.13	3.53	3.57	2.39	2.18	2.48	2.62	2.79
Leisure & Hospitality								
Portland PMSA	85.78	85.47	84.82	85.59	87.64	90.08	94.09	97.96
%ch	1.5	-0.36	-0.76	0.9	2.4	2.79	4.45	4.12
U.S. (millions)	11.86	12.03	11.99	12.18	12.49	12.81	13.11	13.43
%ch	2.74	1.46	-0.39	1.58	2.6	2.57	2.31	2.43
Other Services								
Portland PMSA	33.42	34.18	33.89	33.98	34.74	34.51	35.65	36.62
%ch	3.13	2.28	-0.86	0.26	2.23	-0.67	3.31	2.72
U.S. (millions)	5.17	5.26	5.37	5.4	5.41	5.39	5.44	5.49
%ch	1.6	1.73	2.17	0.53	0.16	-0.27	0.79	1.02
Fed. Government, Civilian								
Portland PMSA	18.89	18.13	17.97	18.56	18.42	18.36	17.97	17.98
%ch	4	-4.05	-0.89	3.3	-0.78	-0.31	-2.13	0.07
U.S. (millions)	2.87	2.76	2.77	2.76	2.73	2.73	2.73	2.74
%ch	3.44	-3.55	0.08	-0.19	-1.06	0.02	0.04	0.1
State & Local Government								
Portland PMSA	111.61	113.33	115.77	114.95	117.86	119.28	120.98	124.29
%ch	2.2	1.54	2.16	-0.71	2.53	1.2	1.43	2.73
U.S. (millions)	17.93	18.36	18.74	18.82	18.89	19.07	19.24	19.48
%ch	2.18	2.41	2.11	0.41	0.36	0.98	0.89	1.26

Annual Employment (Portland MSA and U.S.)

Nonmanufacturing employment sectors

	2008	2009	2010	2011	2012	2013	2014	2015
Professional Business Services								
Portland PMSA	136.55	124.92	127.8	133.55	138.66	143.08	151.93	161.58
%ch	0.08	-8.52	2.3	4.5	3.83	3.19	6.19	6.35
U.S. (millions)	17.74	16.58	16.72	17.33	17.93	18.54	19.2	20.07
%ch	-1.15	-6.56	0.89	3.6	3.48	3.39	3.59	4.51
Education & Health Services								
Portland PMSA	132.57	135.16	139.38	143.08	145.2	147.29	151.78	155.44
%ch	3.77	1.96	3.12	2.66	1.48	1.44	3.05	2.41
U.S. (millions)	18.84	19.19	19.53	19.89	20.32	20.68	20.94	21.2
%ch	2.82	1.88	1.76	1.82	2.19	1.76	1.26	1.24
Leisure & Hospitality								
Portland PMSA	99.26	94.46	94.48	96.75	99.64	103.55	108.08	110.69
%ch	1.32	-4.84	0.01	2.41	2.98	3.92	4.38	2.41
U.S. (millions)	13.44	13.07	13.04	13.35	13.75	14.16	14.42	14.59
%ch	0.09	-2.74	-0.21	2.35	2.97	2.98	1.86	1.15
Other Services								
Portland PMSA	37.13	35.26	34.6	35.27	36.48	37.6	37.9	38.02
%ch	1.39	-5.04	-1.86	1.93	3.45	3.05	0.81	0.32
U.S. (millions)	5.51	5.37	5.33	5.36	5.44	5.48	5.51	5.47
%ch	0.4	-2.71	-0.66	0.56	1.42	0.89	0.41	-0.63
Fed. Government, Civilian								
Portland PMSA	18.32	18.56	18.58	18.01	17.51	17.43	17.72	17.58
%ch	1.91	1.27	0.11	-3.08	-2.75	-0.46	1.64	-0.78
U.S. (millions)	2.76	2.83	2.98	2.86	2.82	2.75	2.8	2.78
%ch	0.94	2.52	5.15	-3.93	-1.53	-2.5	1.95	-0.56
State & Local Government								
Portland PMSA	128.74	129.57	128.81	127.5	127.41	127.78	132.8	135.67
%ch	3.58	0.64	-0.58	-1.01	-0.07	0.29	3.93	2.16
U.S. (millions)	19.74	19.72	19.51	19.23	19.1	19.11	19.17	19.32
%ch	1.32	-0.1	-1.05	-1.45	-0.69	0.06	0.3	0.79

Annual Employment (Portland MSA and U.S.)

Nonmanufacturing employment sectors

	2016	2017	2018	2019	2020	2021	2022	2023
Professional Business Services								
Portland PMSA	170.26	177.69	184	190.51	196.35	201.1	205.69	210.29
%ch	5.37	4.36	3.55	3.54	3.07	2.42	2.28	2.24
U.S. (millions)	20.8	21.38	21.82	22.3	22.77	23.23	23.76	24.28
%ch	3.63	2.81	2.06	2.2	2.09	2.04	2.25	2.21
Education & Health Services								
Portland PMSA	159.91	164.58	168.9	173	176.68	180.09	183.35	186.68
%ch	2.87	2.92	2.63	2.42	2.13	1.93	1.81	1.82
U.S. (millions)	21.66	22.11	22.53	22.83	22.98	23.11	23.21	23.29
%ch	2.18	2.07	1.92	1.33	0.66	0.54	0.44	0.37
Leisure & Hospitality								
Portland PMSA	113.23	115.7	117.81	119.95	121.87	123.29	124.58	126.03
%ch	2.29	2.18	1.83	1.81	1.6	1.17	1.04	1.17
U.S. (millions)	14.71	14.91	15.06	15.14	15.17	15.17	15.16	15.13
%ch	0.84	1.36	1.02	0.54	0.2	-0.01	-0.08	-0.2
Other Services								
Portland PMSA	38.56	39.44	40.39	41.37	42.37	43.24	44.04	44.9
%ch	1.41	2.3	2.41	2.43	2.41	2.05	1.86	1.93
U.S. (millions)	5.45	5.46	5.47	5.44	5.42	5.41	5.4	5.39
%ch	-0.42	0.18	0.2	-0.48	-0.36	-0.24	-0.18	-0.29
Fed. Government, Civilian								
Portland PMSA	17.3	17.13	16.96	16.81	17.4	16.64	16.56	16.47
%ch	-1.57	-0.99	-1.02	-0.84	3.46	-4.36	-0.49	-0.55
U.S. (millions)	2.73	2.7	2.67	2.64	2.78	2.63	2.61	2.6
%ch	-1.9	-1.18	-1.21	-0.93	5.12	-5.45	-0.55	-0.42
State & Local Government								
Portland PMSA	139.2	142.13	144.91	147.47	149.75	151.93	154.09	156.22
%ch	2.6	2.1	1.96	1.77	1.55	1.45	1.42	1.38
U.S. (millions)	19.51	19.73	20	20.25	20.49	20.73	20.98	21.21
%ch	1.01	1.11	1.36	1.26	1.19	1.15	1.2	1.11

Annual Employment (Portland MSA and U.S.)

Nonmanufacturing employment sectors

	2024	2025	2026	2027	2028	2029	2030	2031
Professional Business Services								
Portland PMSA	214.15	217.42	221.22	224.91	228.25	231.55	235.18	238.57
%ch	1.84	1.52	1.75	1.67	1.49	1.45	1.57	1.44
U.S. (millions)	24.72	25.14	25.63	26.11	26.56	27	27.46	27.89
%ch	1.79	1.73	1.94	1.87	1.72	1.66	1.7	1.55
Education & Health Services								
Portland PMSA	190.13	193.55	196.95	200.42	203.93	207.47	211.05	214.43
%ch	1.85	1.79	1.76	1.76	1.75	1.73	1.73	1.6
U.S. (millions)	23.41	23.55	23.7	23.89	24.14	24.39	24.63	24.87
%ch	0.51	0.6	0.62	0.81	1.05	1.04	0.98	0.98
Leisure & Hospitality								
Portland PMSA	127.58	128.88	130.28	131.79	133.28	134.81	136.45	138.13
%ch	1.23	1.02	1.09	1.16	1.13	1.15	1.22	1.23
U.S. (millions)	15.11	15.08	15.08	15.14	15.23	15.33	15.43	15.52
%ch	-0.16	-0.17	0.03	0.35	0.6	0.68	0.63	0.63
Other Services								
Portland PMSA	45.78	46.57	47.36	48.18	48.98	49.8	50.66	51.51
%ch	1.97	1.73	1.71	1.72	1.67	1.66	1.73	1.67
U.S. (millions)	5.39	5.41	5.43	5.47	5.51	5.55	5.58	5.59
%ch	0.09	0.35	0.45	0.6	0.79	0.68	0.49	0.26
Fed. Government, Civilian								
Portland PMSA	16.51	16.6	16.7	16.79	16.88	16.96	17.66	17.16
%ch	0.25	0.6	0.56	0.54	0.53	0.53	4.1	-2.86
U.S. (millions)	2.62	2.65	2.69	2.73	2.76	2.8	2.98	2.88
%ch	0.71	1.38	1.36	1.34	1.33	1.31	6.31	-3.24
State & Local Government								
Portland PMSA	158.38	160.73	163.02	165.27	167.5	169.77	172.07	174.44
%ch	1.38	1.48	1.43	1.38	1.35	1.35	1.36	1.38
U.S. (millions)	21.39	21.52	21.64	21.77	21.89	22.01	22.12	22.2
%ch	0.84	0.62	0.58	0.57	0.56	0.57	0.47	0.36

Annual Employment (Portland MSA and U.S.)

Nonmanufacturing employment sectors

	2032	2033	2034	2035	2036	2037	2038	2039
Professional Business Services								
Portland PMSA	241.86	245.33	248.51	251.66	255.13	258.76	262.33	266.18
%ch	1.38	1.43	1.3	1.27	1.38	1.42	1.38	1.47
U.S. (millions)	28.34	28.81	29.24	29.66	30.12	30.59	31.05	31.54
%ch	1.62	1.65	1.52	1.44	1.53	1.55	1.51	1.6
Education & Health Services								
Portland PMSA	217.76	221.04	224.28	227.46	230.59	233.5	236.17	238.58
%ch	1.55	1.51	1.47	1.42	1.38	1.26	1.14	1.02
U.S. (millions)	25.14	25.4	25.67	25.91	26.16	26.42	26.66	26.87
%ch	1.06	1.07	1.04	0.93	0.98	0.98	0.91	0.78
Leisure & Hospitality								
Portland PMSA	139.63	141.15	142.64	144.1	145.62	147.12	148.5	149.78
%ch	1.09	1.09	1.06	1.03	1.05	1.03	0.94	0.86
U.S. (millions)	15.63	15.74	15.84	15.94	16.03	16.15	16.26	16.38
%ch	0.66	0.71	0.66	0.62	0.59	0.74	0.69	0.73
Other Services								
Portland PMSA	52.28	53.08	53.88	54.72	55.59	56.45	57.28	58.09
%ch	1.51	1.52	1.52	1.56	1.59	1.54	1.47	1.41
U.S. (millions)	5.6	5.62	5.64	5.65	5.67	5.68	5.71	5.73
%ch	0.27	0.32	0.31	0.22	0.27	0.29	0.39	0.39
Fed. Government, Civilian								
Portland PMSA	17.27	17.36	17.45	17.54	17.63	17.73	17.82	17.91
%ch	0.65	0.53	0.53	0.53	0.53	0.52	0.52	0.51
U.S. (millions)	2.92	2.95	2.99	3.03	3.06	3.1	3.14	3.17
%ch	1.27	1.25	1.24	1.23	1.21	1.2	1.19	1.18
State & Local Government								
Portland PMSA	176.77	179.07	181.4	183.77	186.19	188.6	191	193.43
%ch	1.34	1.3	1.3	1.3	1.32	1.3	1.27	1.27
U.S. (millions)	22.28	22.37	22.47	22.56	22.65	22.74	22.83	22.91
%ch	0.39	0.41	0.42	0.4	0.42	0.4	0.38	0.37

Annual Employment (Portland MSA and U.S.)

Nonmanufacturing employment sectors					APR
	2040	2041	2042	2043	2000-43
Professional Business Services					
Portland PMSA	270.47	274.51	278.4	282.05	1.8%
%ch	1.61	1.49	1.42	1.31	
U.S. (millions)	32.1	32.66	33.22	33.77	1.7%
%ch	1.77	1.72	1.72	1.66	
Education & Health Services					
Portland PMSA	240.78	242.46	243.8	244.71	2.0%
%ch	0.92	0.7	0.55	0.37	
U.S. (millions)	27.08	27.26	27.44	27.6	1.4%
%ch	0.78	0.69	0.66	0.55	
Leisure & Hospitality					
Portland PMSA	151.01	152.01	152.67	153.05	1.4%
%ch	0.82	0.66	0.44	0.24	
U.S. (millions)	16.5	16.62	16.72	16.81	0.8%
%ch	0.71	0.72	0.64	0.55	
Other Services					
Portland PMSA	58.88	59.61	60.28	60.91	1.4%
%ch	1.37	1.24	1.12	1.05	
U.S. (millions)	5.75	5.77	5.79	5.81	0.3%
%ch	0.42	0.35	0.38	0.33	
Fed. Government, Civilian					
Portland PMSA	18.57	18.1	18.22	18.31	- 0.1%
%ch	3.67	-2.49	0.61	0.51	
U.S. (millions)	3.35	3.25	3.29	3.33	0.3%
%ch	5.59	-2.84	1.14	1.13	
State & Local Government					
Portland PMSA	195.83	198.29	200.79	203.33	1.4%
%ch	1.24	1.26	1.26	1.26	
U.S. (millions)	23	23.1	23.2	23.3	0.6%
%ch	0.39	0.41	0.43	0.44	

U.S. Population and Labor Force Measures

	1970	1975	1980	1985	1990	1995	2000
U.S. Population (in millions)							
Population (U.S.)	205.4	216.2	228.0	238.7	250.6	267.0	282.8
Pct. Chg. (5-year avg.)	1.09	1.03	1.06	0.93	0.97	1.27	1.16
Annual Avg. Change	2.2	2.2	2.4	2.2	2.4	3.3	3.2
Population by Age (in millions)							
0 to 4 years old	17.2	16.1	16.5	17.9	18.9	19.6	19.2
5 to 15 years old	44.8	42.5	38.8	37.4	38.7	42.6	45.2
16 to 21 years old	22.6	25.2	25.9	23.4	22.4	21.7	24.3
22 to 54 years old	82.0	89.6	99.3	109.4	118.2	127.9	134.5
55 to 64 years old	18.7	20.1	21.8	22.1	21.1	21.4	24.5
65 to 84 years old	18.7	20.9	23.5	25.8	28.2	30.1	30.8
85 years and older	1.4	1.8	2.3	2.7	3.1	3.7	4.3
Population Share by Age (in percent)							
0 to 4 years old	8.37	7.42	7.24	7.48	7.54	7.34	6.79
5 to 16 years old	21.80	19.64	17.00	15.68	15.45	15.95	15.98
17 to 21 years old	10.99	11.67	11.36	9.82	8.94	8.14	8.58
22 to 54 years old	39.91	41.45	43.55	45.83	47.15	47.90	47.57
55 to 64 years old	9.11	9.29	9.55	9.26	8.42	8.00	8.66
65 to 84 years old	9.12	9.68	10.30	10.81	11.27	11.29	10.90
85 years and older	0.70	0.85	1.00	1.12	1.23	1.39	1.52
Population Change (annual pct. change)							
0 to 4 years old	-2.71	-1.37	0.57	1.58	1.14	0.73	-0.41
5 to 16 years old	0.79	-1.06	-1.81	-0.69	0.67	1.93	1.19
17 to 21 years old	3.20	2.27	0.51	-1.97	-0.90	-0.61	2.22
22 to 54 years old	1.28	1.80	2.07	1.96	1.55	1.59	1.02
55 to 64 years old	1.80	1.42	1.62	0.31	-0.93	0.24	2.78
65 to 84 years old	1.49	2.25	2.32	1.91	1.82	1.30	0.46
85 years and older	5.66	4.99	4.53	3.24	2.84	3.73	3.01
Labor Force (in millions)							
Population 16 years and older	143.4	157.7	172.7	183.4	193.0	204.8	218.4
Labor Force, total	82.8	93.8	107.0	115.9	125.9	133.1	142.6
16 to 64 years old	79.6	90.8	103.9	113.0	122.4	129.2	138.3
65 years and older	3.2	3.0	3.1	2.9	3.5	3.9	4.3
Participation Rate (in percent)							
Labor Force, total	57.7	59.5	61.9	63.2	65.2	65.0	65.3
16 to 64 years old	64.6	67.3	70.7	72.9	75.7	75.6	75.4
65 years and older	16.0	13.0	11.9	10.2	11.0	11.5	12.4
Employment & person-hour							
Nonfarm Empl. (millions)	71.0	77.1	90.5	97.5	109.5	117.3	131.9
Unempl. Rate (percent)	5.0	8.5	7.2	7.2	5.6	5.6	4.0
Average Weekly Hours	35.9	34.6	33.7	33.9	33.3	33.4	33.4
Mfg. Workweek (hours)	39.8	39.4	39.7	40.5	40.5	41.3	41.2
Durable Mfg.	40.5	40.0	40.3	41.3	41.2	42.1	41.8
Nondurable Mfg.	39.0	38.6	38.8	39.4	39.6	40.1	40.3
Productivity Measures (annual pct. change)							
GDP / Employment	0.28	1.04	0.39	1.79	0.98	1.17	1.92
FRB Ind. Production, all	3.23	1.76	4.55	2.25	2.94	3.22	5.80
FRB Ind. Production, Mfg.	3.50	1.78	4.22	1.72	2.62	2.89	5.15
Employment Cost Index (annual pct. change)							
Pvt. Sector wages & salaries			7.88	6.01	3.72	3.07	3.67

U.S. Population and Labor Force Measures

	2005	2010	2015	2020	2025	2030	2035	2040
U.S. Population	(in millions)							
Population (U.S.)	296.5	310.1	321.9	334.5	347.0	359.0	370.2	380.5
Pct. Chg. (5-year avg.)	0.95	0.9	0.75	0.77	0.74	0.68	0.61	0.55
Annual Avg. Change	2.7	2.7	2.4	2.5	2.5	2.4	2.2	2.1
Population by Age	(in millions)							
0 to 4 years old	19.9	20.2	20.9	21.6	21.9	22.1	22.3	22.8
5 to 15 years old	45.2	45.2	45.2	46.1	47.8	49.3	49.9	50.4
16 to 21 years old	25.3	26.8	25.5	25.4	25.5	26.2	27.6	28.1
22 to 54 years old	138.5	140.3	141.5	142.4	145.3	149.7	154.3	158.7
55 to 64 years old	30.8	37.0	40.9	42.7	41.1	38.8	38.6	40.7
65 to 84 years old	32.0	35.0	41.6	49.5	57.9	63.9	65.8	65.6
85 years and older	4.8	5.6	6.4	6.7	7.4	9.0	11.7	14.2
Population Share by Age	(in percent)							
0 to 4 years old	6.72	6.51	6.49	6.47	6.32	6.15	6.03	6.00
5 to 16 years old	15.23	14.59	14.03	13.79	13.78	13.73	13.49	13.25
17 to 21 years old	8.54	8.63	7.93	7.58	7.36	7.29	7.45	7.39
22 to 54 years old	46.71	45.25	43.95	42.56	41.88	41.70	41.68	41.69
55 to 64 years old	10.38	11.92	12.70	12.78	11.83	10.81	10.43	10.70
65 to 84 years old	10.80	11.30	12.92	14.80	16.68	17.81	17.77	17.23
85 years and older	1.61	1.80	1.97	2.01	2.15	2.51	3.15	3.73
Population Change	(annual pct. change)							
0 to 4 years old	0.74	0.28	0.69	0.69	0.28	0.12	0.24	0.44
5 to 16 years old	-0.02	0.04	-0.03	0.42	0.72	0.61	0.25	0.20
17 to 21 years old	0.87	1.10	-0.92	-0.14	0.13	0.49	1.05	0.40
22 to 54 years old	0.58	0.26	0.17	0.12	0.41	0.60	0.60	0.56
55 to 64 years old	4.66	3.75	2.04	0.88	-0.80	-1.12	-0.11	1.07
65 to 84 years old	0.76	1.81	3.48	3.55	3.17	2.02	0.57	-0.07
85 years and older	2.17	3.15	2.64	1.19	2.03	3.87	5.33	4.01
Labor Force	(in millions)							
Population 16 years and older	231.4	244.6	255.9	266.7	277.2	287.6	297.9	307.3
Labor Force, total	149.3	153.9	159.2	164.3	167.7	171.6	176.5	181.8
16 to 64 years old	144.0	147.2	150.2	153.3	154.7	157.2	161.7	167.1
65 years and older	5.3	6.7	8.9	11.0	12.9	14.4	14.8	14.7
Participation Rate (in percent)								
Labor Force, total	64.5	62.9	62.2	61.6	60.5	59.7	59.2	59.2
16 to 64 years old	74.0	72.1	72.3	72.8	73.0	73.2	73.4	73.5
65 years and older	14.3	16.5	18.6	19.6	19.8	19.8	19.1	18.4
Employment & person-hour								
Nonfarm Empl. (millions)	133.7	129.9	140.5	149.6	153.5	159.3	164.5	170.6
Unempl. Rate (percent)	5.1	9.6	6.4	5.1	5.1	4.9	4.9	5.0
Average Weekly Hours	32.6	32.3	32.7	32.5	32.5	32.5	32.5	32.5
Mfg. Workweek (hours)	40.6	41.1	41.5	41.2	41.0	41.0	41.0	41.0
Durable Mfg.	41.1	41.3	41.8	41.3	41.0	41.0	41.0	41.0
Nondurable Mfg.	39.9	40.8	41.0	41.0	41.0	41.0	41.0	40.9
Productivity Measures	(annual pct. change)							
GDP / Employment	2.24	1.34	0.78	1.62	1.85	1.65	1.75	1.64
FRB Ind. Production, all	0.81	-1.66	3.12	3.05	2.93	2.78	2.51	2.46
FRB Ind. Production, Mfg.	0.69	-1.04	3.12	2.84	2.38	2.15	1.99	1.89
Employment Cost Index	(annual pct. change)							
Pvt. Sector wages & salaries	3.00	2.49	1.96	2.61	2.57	2.57	2.50	2.47

Key U.S. Economic Forecast Indicators

	1975	1980	1985	1990	1995	2000	2005
Components of GDP							
	inflation adjusted (in pct. change)						
Gross Domesitc Product	2.7	3.7	3.3	3.4	2.6	4.3	2.5
Consumption	3.2	3.2	3.8	3.3	2.8	4.6	3.1
Durables	5.1	3.4	7.7	3.7	3.8	9.8	6.7
Computers			105.9	43.8	51.4	59.6	30.7
Software			103.5	49.6	51.9	42.2	29.5
Info. Processing Equipment	2.6	0.6	54.9	39.8	48.9	53.7	30.4
Nondurables	1.4	2.6	2.5	2.4	2.1	3.6	2.7
Food	1	2.1	1.7	2.4	0.9	2.1	2.2
Gasoline & other fuels	1.6	-0.7	1.1	1.9	1.8	1.2	0.2
Clothing & footwear	3.8	5.9	5.5	3.7	3.8	5.1	3.8
Gross Domestic Investments	1.3	7.2	5.6	1.4	4.6	8.9	2.4
Nonresidential Fixed Investments	2.4	7.9	5	2	4.7	9.9	0.8
Industrial Equipment	1.3	4	-0.2	0.5	4.3	3.9	-1.6
Computer Equipment	24.6	61.9	42.5	14.6	29.2	39.1	8.1
Transportation Equip.	3.3	5	3.7	-2.9	8.4	6.7	-0.6
Structures/Buildings	-0.8	7.8	3	-2.1	-2	4.9	-4.6
Residential Fixed Investments	0.8	3.6	4.6	0.1	3.4	5.2	6.5
Equipment	7.5	6.6	5.1	2.6	0.6	4.4	5.3
Structures/Buildings	0.4	3.9	4.4	0	3.5	6.4	6.5
Exports	6.9	7.5	0.4	11	7.2	7	1.8
Goods	7.4	8.1	-0.5	11	7.8	8.2	1.4
Services	5.6	5.4	3.4	11	5.7	4.1	2.6
Imports	1.3	6.5	8.6	5.3	7	11.6	4.3
Federal Spending	-2.4	2.3	5.2	2.4	-2.2	-0.1	4.8
State & Local Spending	3.1	1.2	1.7	3.8	2.2	3.4	1.2
Inflation Measures							
	inflation adjusted (in pct. change)						
GDP Deflator	6.6	7.2	5.2	3.1	2.4	1.7	2.4
Consumer Price Index	6.7	8.9	5.5	4	3.1	2.5	2.5
excluding Food & Energy	5.7	8.4	6.2	4.4	3.5	2.4	2.1
Producer Price Index	9.6	9	2.8	2.4	1.4	1.3	3.5
Employment Cost Index		7.9	6	3.7	3.1	3.7	3
Interest Rates							
	(in percents)						
Fed Funds	5.8	13.4	8.1	8.1	5.8	6.2	3.2
3-month Treasury Bill	5.8	11.4	7.5	7.5	5.5	5.8	3.1
30-Year Treasury Bond		11.3	10.8	8.6	6.9	5.9	4.6
30-Year Fixed Mortgage	9	13.8	12.4	10.1	8	8.1	5.9
Personal Income							
	inflation adjusted (in pct. change)						
Nominal	9.6	11.1	8.7	6.9	5.1	6.6	4.2
Inflation adjusted	2.7	2.1	3	2.8	1.9	4	1.6
Other Key U.S. Economic Measures							
Oil Prices (nominal \$/barrel)							
W. Texas Intermediate			27.9	24.5	18.4	30.3	56.5
Refiners Acquisition Cost	10.4	28.2	26.7	22.3	17.2	28.2	50.3
Domestic Crude	8.4	24.2	26.7	22.4	17.3	29.1	53
Imported Crude	13.9	34	27	22.2	17.1	27.7	48.9
Exchange Rate Indexes (2009=1.0)							
	(weighted, inflation-adjusted)						
Major Trading Partners	1.225	1.088	1.47	1.083	1.04	1.303	1.075
Other Important Partners		1.025	1.488	1.404	1.265	1.283	1.181
Housing Starts (in millions)							
Single-family	0.891	0.855	1.071	0.901	1.082	1.232	1.719
Multi-family	0.269	0.445	0.671	0.303	0.279	0.341	0.354
Consumer Sentiment (U. Mich.)							
	70.4	64.4	93.2	81.6	92.2	107.6	88.6

Key U.S. Economic Forecast Indicators

	2010	2015	2020	2025	2030	2035	2040
Components of GDP	inflation adjusted (in pct. change)						
Gross Domesitc Product	0.8	2.4	2.9	2.4	2.4	2.4	2.4
Consumption	1	2.4	2.6	2.2	2.3	2.3	2.3
Durables	0.7	6.7	4.5	4.3	4.7	4.7	4.9
Computers	17.5	17.1	14.9	13.9	14.3	14.2	14.2
Software	15	8.2	8	6.7	7.2	7.1	7.1
Info. Processing Equipment	16	12.8	11.7	10.6	11	10.9	11
Nondurables	0.8	1.9	2.1	2.1	2.3	2.5	2.6
Food	0.4	2	1.9	1.4	1.4	1.4	1.3
Gasoline & other fuels	-1.1	-0.5	-0.1	-0.7	-1	-1.1	-1.5
Clothing & footwear	1	2.4	3.3	3.1	4	3.8	3.7
Gross Domestic Investments	-4.5	6.7	3.8	2.5	2.3	2.3	2.6
Nonresidential Fixed Investments	-0.5	5.6	4.9	3	2.8	2.8	3
Industrial Equipment	-3.8	8.3	2.6	2.2	2.5	2.8	2.8
Computer Equipment	10.2	4.7	12.6	9.2	5.3	4.3	4.3
Transportation Equip.	-7.1	11.6	2.7	2.1	3.5	3.6	3.9
Structures/Buildings	-2.8	4.4	5.2	1.6	1.6	1.3	1.6
Residential Fixed Investments	-15.2	11.4	1.4	0.3	0.6	0.3	0.7
Equipment	-2.2	4.8	3.7	3.9	4.1	4.4	4.3
Structures/Buildings	-15.4	11.6	1.4	0.2	0.6	0.2	0.7
Exports	4.9	4.6	6.6	5.9	5.4	5.3	4.8
Goods	4.7	4.7	6.9	6.6	5.9	5.9	5.2
Services	5.6	4.3	5.9	4.3	4.3	4	3.7
Imports	0.6	3.9	3.7	3.6	3.9	4	4
Federal Spending	4.2	-1.8	-0.4	0.2	1.2	1.1	1.3
State & Local Spending	0.3	-0.8	1.1	1	1.1	1.1	1.3
Inflation Measures	inflation adjusted (in pct. change)						
GDP Deflator	1.9	1.7	1.7	1.7	1.8	1.9	2
Consumer Price Index	2.2	2	2	1.9	2	2.1	2.2
excluding Food & Energy	2	1.9	2	1.9	2	2.1	2.2
Producer Price Index	3.3	2.3	1.4	1.4	1.3	1.4	1.5
Employment Cost Index	2.5	2	2.6	2.6	2.6	2.5	2.5
Interest Rates	in percents						
Fed Funds	0.2	0.4	4	4	4	4	4
3-month Treasury Bill	0.1	0.4	3.7	3.7	3.7	3.7	3.7
30-Year Treasury Bond	4.3	4.2	4.8	4.8	4.8	4.8	4.8
30-Year Fixed Mortgage	4.7	4.9	6.6	6.6	6.6	6.6	6.6
Personal Income	inflation adjusted (in pct. change)						
Nominal	3.2	4.5	5	4.3	4.4	4.3	4.3
Inflation adjusted	1	2.5	3	2.3	2.4	2.2	2.1
Other Key U.S. Economic Measures							
Oil Prices (nominal \$/barrel)							
W. Texas Intermediate	79.4	96.1	106.8	117.6	129.9	142.1	155.6
Refiners Acquisition Cost	76.7	94.3	106.6	118.3	130.6	142.8	156.3
Domestic Crude	77.9	95.6	109.1	121.3	133.6	145.8	159.3
Imported Crude	75.9	93.2	104.1	115.4	127.7	139.9	153.4
Exchange Rate Indexes (2009=1.0)	(weighted, inflation-adjusted)						
Major Trading Partners	0.994	1.016	0.978	0.955	0.936	0.921	0.908
Other Important Partners	0.948	0.804	0.695	0.647	0.621	0.605	0.591
Housing Starts (in millions)	0.586	1.472	1.609	1.557	1.557	1.515	1.498
Single-family	0.471	1.045	1.11	1.061	1.011	0.972	0.959
Multi-family	0.114	0.427	0.499	0.496	0.545	0.542	0.538
Consumer Sentiment (U. Mich.)	71.8	88.7	88.9	88.9	90.3	90.1	90.2

U.S. Industrial Productivity Measures for key industries

	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040
U.S. Manufacturing Productivity Measures (Federal Reserve Board)											
(annualized average percent change)											
Total Industrial Production	2.6	2.9	5.1	0.7	-1.0	3.1	2.8	2.4	2.2	2.0	1.9
Manufacturing, total	3.0	3.5	5.9	1.0	-1.4	3.4	3.2	3.0	2.8	2.6	2.5
Nondurable Goods	2.8	1.8	1.3	0.5	-2.0	1.0	2.4	2.0	2.0	2.2	2.3
Food Processing	1.9	1.9	1.6	1.2	0.0	1.7	2.1	1.6	1.7	1.6	1.6
Paper	2.5	1.9	-0.4	-1.3	-2.8	0.2	1.8	1.5	1.7	1.8	1.9
Durable Goods	3.3	4.8	9.4	1.5	-0.9	5.6	4.2	3.8	3.5	3.0	2.9
Wood Products	2.9	1.6	2.6	1.3	-8.6	8.2	1.4	-0.1	-0.1	-0.4	0.2
Primary Metals	2.6	1.9	1.0	-1.0	-0.9	3.2	3.6	2.3	0.2	-0.8	-1.1
Fabricated Metals	0.8	3.3	3.2	-1.2	-2.8	5.2	2.8	1.7	1.2	1.2	1.4
Machinery	2.3	3.3	2.9	-1.3	-1.6	6.1	3.5	2.5	2.1	1.8	2.0
Computer & Electronics	8.1	14.3	30.7	7.5	7.7	7.0	7.5	7.8	7.3	5.4	5.1
Transport Equipment	2.2	1.4	4.0	1.1	-1.8	6.6	3.5	2.8	3.2	3.3	2.5
U.S. Manufacturing Productivity (index 2002=100)											
Total Industrial Production	62.2	71.8	92.2	95.5	90.6	105.7	121.6	136.7	152.1	167.9	184.4
Manufacturing, total	56.8	67.3	89.8	94.4	87.9	103.7	121.4	140.6	161.7	183.5	207.9
Nondurable Goods	82.4	89.9	95.9	98.3	88.7	93.5	105.1	116.3	128.6	143.2	160.6
Food Processing	78.1	85.8	92.7	98.6	98.6	107.4	119.3	129.3	140.4	152.1	164.5
Paper	100.1	110.1	107.7	100.7	87.2	88.0	96.0	103.3	112.6	123.1	135.1
Durable Goods	42.7	54.0	84.8	91.2	87.3	114.9	140.8	169.4	201.6	234.1	270.1
Wood Products	80.7	87.3	99.3	105.9	67.6	100.5	107.7	107.2	106.9	104.9	105.7
Primary Metals	87.1	95.6	100.3	95.2	91.1	106.4	126.7	142.2	143.4	137.7	130.2
Fabricated Metals	70.0	82.5	96.6	90.9	79.0	101.6	116.7	127.3	135.1	143.7	154.0
Machinery	71.9	84.8	97.7	91.6	84.6	113.7	135.1	153.1	170.1	186.4	206.0
Computer & Electronics	7.2	14.0	53.6	76.9	111.6	156.5	225.3	328.1	466.0	606.3	778.5
Transport Equipment	67.7	72.7	88.3	93.0	85.0	117.3	139.4	160.4	187.8	220.4	249.9

U.S. Components of National Income

(Nominal billions of dollars unless otherwise noted)

	1975	1980	1985	1990	1995	2000	2005
U.S. National Income Accounts							
Total Personal Income	1,366.9	2,316.8	3,515.9	4,904.5	6,276.5	8,632.8	10,610.3
pct. chg. (annualized)	9.6	11.1	8.7	6.9	5.1	6.6	4.2
Inflation-adjusted	4,503.2	5,267.0	6,204.8	7,272.6	8,219.8	10,384.3	11,499.4
pct. chg. (annualized)	3.1	3.2	3.3	3.2	2.5	4.8	2.1
Wage & Salary Disbursements	814.9	1,373.4	1,982.6	2,741.2	3,418.0	4,825.9	5,692.9
Social Security Contributions	89.9	167.2	282.8	412.1	535.5	709.4	878.0
Transfer Payments to Persons	170.0	279.5	424.9	594.9	879.0	1,083.0	1,512.0
Other Labor Income	88.6	163.9	258.7	395.0	520.5	685.5	966.8
Proprietors, total	118.2	171.6	241.1	354.5	484.5	757.8	979.0
Farm	22.0	11.7	21.0	32.2	22.0	31.5	46.4
Businesses (nonfarm)	96.2	159.9	220.1	322.3	462.4	726.3	932.6
Dividends, Interest and Rent	220.2	411	748.9	1,030.40	1,252.00	1,651.90	1,920.60
(annualized percent change)							
Wage & Salary Disbursements	8.1	11	7.6	6.7	4.5	7.1	3.4
Social Security Contributions	14	13.2	11.1	7.8	5.4	5.8	4.4
Transfer Payments to Persons	17.9	10.5	8.7	7	8.1	4.3	6.9
Other Labor Income	12.2	13.1	9.6	8.8	5.7	5.7	7.1
Proprietors, total	8.7	7.7	7	8	6.4	9.4	5.3
Farm	11.2	-11.8	12.4	8.9	-7.3	7.4	8.1
Businesses (nonfarm)	8.2	10.7	6.6	7.9	7.5	9.4	5.1
Dividends, Interest and Rent	10.4	13.3	12.7	6.6	4	5.7	3.1

U.S. Components of National Income

(Nominal billions of dollars unless otherwise noted)

	2010	2015	2020	2025	2030	2035	2040
U.S. National Income Accounts							
Total Personal Income	12,435.2	15,494.0	19,790.4	24,453.6	30,314.9	37,452.1	46,332.2
pct. chg. (annualized)	3.2	4.5	5	4.3	4.4	4.3	4.3
Inflation-adjusted	12,232.4	14,048.6	16,411.0	18,561.0	20,997.6	23,545.3	26,344.0
pct. chg. (annualized)	1.2	2.8	3.2	2.5	2.5	2.3	2.3
Wage & Salary Disbursements	6,377.5	7,803.7	9,789.1	11,911.9	14,713.9	18,078.1	22,267.3
Social Security Contributions	989.0	1,247.7	1,625.9	2,008.6	2,480.7	3,047.1	3,751.9
Transfer Payments to Persons	2,276.9	2,686.2	3,402.2	4,412.0	5,740.9	7,330.5	9,251.6
Other Labor Income	1,120.4	1,279.6	1,608.3	1,936.8	2,353.8	2,868.3	3,523.2
Proprietors, total	1,032.7	1,457.3	1,801.4	2,238.2	2,839.4	3,576.0	4,462.1
Farm	46.0	100.4	94.9	85.0	76.1	64.7	49.5
Businesses (nonfarm)	986.7	1,356.9	1,706.5	2,153.2	2,763.3	3,511.4	4,412.5
Dividends, Interest and Rent	2,156.50	2,934.90	4,060.70	5,033.20	6,001.40	7,241.20	8,856.90
(annualized percent change)							
Wage & Salary Disbursements	2.3	4.1	4.6	4	4.3	4.2	4.3
Social Security Contributions	2.4	4.8	5.4	4.3	4.3	4.2	4.2
Transfer Payments to Persons	8.5	3.4	4.8	5.3	5.4	5	4.8
Other Labor Income	3	2.7	4.7	3.8	4	4	4.2
Proprietors, total	1.1	7.1	4.3	4.4	4.9	4.7	4.5
Farm	-0.2	16.9	-1.1	-2.2	-2.2	-3.2	-5.2
Businesses (nonfarm)	1.1	6.6	4.7	4.8	5.1	4.9	4.7
Dividends, Interest and Rent	2.3	6.4	6.7	4.4	3.6	3.8	4.1

Latest U.S. conditions and outlook

	2008	2009	2010	2011	2012	2013	2014	2015	2016
Real GDP (% change)	-0.3	-2.8	2.5	1.8	2.8	1.7	2.5	3.1	3.3
Payroll Employment (ch. in mil.)	-0.8	-6	-0.9	1.6	2.2	2.2	2.2	2.5	2.7
Federal Funds Rate (pct.)	1.93	0.16	0.18	0.1	0.14	0.11	0.14	0.37	2.15
10-yr. T-Note Yield (pct.)	3.7	3.3	3.2	2.8	1.8	2.3	2.9	3.2	3.8
Brent Crude Price (\$/bbl)	97.9	61.6	79.8	111	111.8	107.7	103.9	99.2	97.9
CPI (% change)	3.8	-0.3	1.6	3.1	2.1	1.4	1.4	1.7	1.9
Housing Starts (mil.)	0.98	0.6	0.64	0.66	0.84	0.97	1.21	1.57	1.74
Consumer Sentiment	63.8	66.3	71.8	67.4	76.5	78.5	82.3	88.7	89.4
Unemployment Rate (percent)	5.8	9.3	9.6	8.9	8.1	7.5	6.9	6.4	5.9

source: IHS Global Insight, January 2014 U.S. Macroeconomic Outlook