



## Final November 2015 Economic Forecast

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We have updated the preliminary November economic forecast which was released on October 29, 2015. The final November economic forecast reflects a more recent national forecast and newly released state employment data. This updated economic forecast is consistent with the November 2015 revenue forecast released today, November 18, 2015.

The following tables compare the final November economic forecast with the preliminary November forecast as well as with the forecast adopted in September, 2015.

For more information, please see the November 18<sup>h</sup> revenue forecast presentation at:

[http://www.erfc.wa.gov/forecasts/documents/rev20151118\\_color.pdf](http://www.erfc.wa.gov/forecasts/documents/rev20151118_color.pdf) (Color, best for viewing)

[http://www.erfc.wa.gov/forecasts/documents/rev20151118\\_bw.pdf](http://www.erfc.wa.gov/forecasts/documents/rev20151118_bw.pdf) (Grayscale, best for printing)

## U.S. Forecast Comparison

2015Q3 2015Q4 2016Q1 2016Q2

### Real GDP (Billions of 2009 Dollars)

November Forecast, Final	16,394	16,503	16,612	16,722
Percent Change	1.5%	2.7%	2.7%	2.7%
November Forecast, Preliminary	16,414	16,524	16,636	16,747
Percent Change	2.0%	2.7%	2.7%	2.7%

### Real Consumption (Billions of 2009 Dollars)

November Forecast, Final	11,269	11,355	11,436	11,515
Percent Change	3.2%	3.1%	2.9%	2.8%
November Forecast, Preliminary	11,267	11,351	11,435	11,514
Percent Change	3.2%	3.0%	3.0%	2.8%

### Implicit Price Deflator, PCE (2009=1.00)

November Forecast, Final	1.097	1.100	1.102	1.107
Percent Change	1.2%	0.9%	0.8%	1.7%
November Forecast, Preliminary	1.098	1.099	1.104	1.109
Percent Change	1.6%	0.2%	2.1%	1.5%

### Real Personal Income (Billions of 2009 Dollars)

November Forecast, Final	14,027	14,137	14,264	14,348
Percent Change	3.3%	3.2%	3.6%	2.4%
November Forecast, Preliminary	14,015	14,155	14,265	14,366
Percent Change	3.0%	4.1%	3.1%	2.9%

### Nonfarm Payroll Employment (Millions)

November Forecast, Final	142.2	142.8	143.5	144.0
Percent Change	1.7%	1.6%	1.8%	1.5%
November Forecast, Preliminary	142.2	142.7	143.3	143.8
Percent Change	1.7%	1.3%	1.7%	1.5%

### Unemployment Rate (Percent of Labor Force)

November Forecast, Final	5.2	5.0	5.0	4.9
November Forecast, Preliminary	5.2	5.2	5.1	5.1

### 30 Year Fixed Mortgage Rate (Percent, average)

November Forecast, Final	4.0	3.9	4.2	4.4
November Forecast, Preliminary	4.0	4.0	4.2	4.4

### 3 Month T-Bill Rate (Percent, average)

November Forecast, Final	0.0	0.1	0.5	0.7
November Forecast, Preliminary	0.0	0.1	0.4	0.7

2013 2014 2015 2016 2017 2018 2019

15,583	15,962	16,352	16,772	17,191	17,604	17,991
1.5%	2.4%	2.4%	2.6%	2.5%	2.4%	2.2%
15,583	15,962	16,362	16,796	17,216	17,629	18,017
1.5%	2.4%	2.5%	2.6%	2.5%	2.4%	2.2%

10,590	10,876	11,221	11,548	11,837	12,121	12,400
1.7%	2.7%	3.2%	2.9%	2.5%	2.4%	2.3%
10,590	10,876	11,220	11,547	11,835	12,119	12,398
1.7%	2.7%	3.2%	2.9%	2.5%	2.4%	2.3%

1.076	1.091	1.095	1.110	1.131	1.152	1.171
1.4%	1.4%	0.3%	1.4%	1.9%	1.8%	1.7%
1.076	1.091	1.095	1.111	1.131	1.151	1.170
1.4%	1.4%	0.3%	1.5%	1.8%	1.8%	1.7%

13,078	13,468	13,984	14,394	14,813	15,266	15,700
-0.3%	3.0%	3.8%	2.9%	2.9%	3.1%	2.8%
13,078	13,468	13,986	14,422	14,884	15,338	15,778
-0.3%	3.0%	3.8%	3.1%	3.2%	3.1%	2.9%

136.4	139.0	141.9	144.2	145.9	147.4	148.5
1.7%	1.9%	2.1%	1.6%	1.2%	1.1%	0.8%
136.4	139.0	141.9	144.0	145.7	147.2	148.3
1.7%	1.9%	2.1%	1.5%	1.2%	1.0%	0.8%

7.4	6.2	5.3	4.9	4.9	4.9	5.0
7.4	6.2	5.3	5.1	5.1	5.1	5.2

4.0	4.2	3.9	4.4	4.7	5.2	5.7
4.0	4.2	3.9	4.4	4.7	5.2	5.5

0.1	0.0	0.1	0.8	1.8	2.8	3.0
0.1	0.0	0.1	0.8	1.8	2.8	3.0

**U.S. Forecast Comparison****2015Q3 2015Q4 2016Q1 2016Q2****Real GDP (Billions of 2009 Dollars)**

November Forecast	16,394	16,503	16,612	16,722
Percent Change	1.5%	2.7%	2.7%	2.7%
September Forecast	16,420	16,528	16,635	16,752
Percent Change	2.4%	2.7%	2.6%	2.8%

**Real Consumption (Billions of 2009 Dollars)**

November Forecast	11,269	11,355	11,436	11,515
Percent Change	3.2%	3.1%	2.9%	2.8%
September Forecast	11,247	11,331	11,413	11,493
Percent Change	2.9%	3.0%	2.9%	2.8%

**Implicit Price Deflator, PCE (2009=1.00)**

November Forecast	1.097	1.100	1.102	1.107
Percent Change	1.2%	0.9%	0.8%	1.7%
September Forecast	1.099	1.100	1.104	1.108
Percent Change	1.8%	0.3%	1.6%	1.5%

**Real Personal Income (Billions of 2009 Dollars)**

November Forecast	14,027	14,137	14,264	14,348
Percent Change	3.3%	3.2%	3.6%	2.4%
September Forecast	14,027	14,162	14,294	14,398
Percent Change	3.3%	3.9%	3.8%	2.9%

**Nonfarm Payroll Employment (Millions)**

November Forecast	142.2	142.8	143.5	144.0
Percent Change	1.7%	1.6%	1.8%	1.5%
September Forecast	142.3	143.0	143.6	144.1
Percent Change	2.1%	1.9%	1.7%	1.5%

**Unemployment Rate (Percent of Labor Force)**

November Forecast	5.2	5.0	5.0	4.9
September Forecast	5.2	5.2	5.1	5.1

**30 Year Fixed Mortgage Rate (Percent, average)**

November Forecast	4.0	3.9	4.2	4.4
September Forecast	4.0	4.1	4.3	4.4

**3 Month T-Bill Rate (Percent, average)**

November Forecast	0.0	0.1	0.5	0.7
September Forecast	0.1	0.2	0.5	0.7

**2013 2014 2015 2016 2017 2018 2019**

15,583	15,962	16,352	16,772	17,191	17,604	17,991
1.5%	2.4%	2.4%	2.6%	2.5%	2.4%	2.2%
15,583	15,962	16,362	16,807	17,261	17,709	18,134
1.5%	2.4%	2.5%	2.7%	2.7%	2.6%	2.4%

10,590	10,876	11,221	11,548	11,837	12,121	12,400
1.7%	2.7%	3.2%	2.9%	2.5%	2.4%	2.3%
10,590	10,876	11,206	11,529	11,840	12,136	12,439
1.7%	2.7%	3.0%	2.9%	2.7%	2.5%	2.5%

1.076	1.091	1.095	1.110	1.131	1.152	1.171
1.4%	1.4%	0.3%	1.4%	1.9%	1.8%	1.7%
1.076	1.091	1.095	1.110	1.129	1.149	1.169
1.4%	1.4%	0.4%	1.4%	1.7%	1.8%	1.7%

13,078	13,468	13,984	14,394	14,813	15,266	15,700
-0.3%	3.0%	3.8%	2.9%	2.9%	3.1%	2.8%
13,078	13,468	13,991	14,456	14,922	15,404	15,864
-0.3%	3.0%	3.9%	3.3%	3.2%	3.2%	3.0%

136.4	139.0	141.9	144.2	145.9	147.4	148.5
1.7%	1.9%	2.1%	1.6%	1.2%	1.1%	0.8%
136.4	139.0	142.0	144.4	146.4	148.0	149.0
1.7%	1.9%	2.1%	1.7%	1.4%	1.1%	0.6%

7.4	6.2	5.3	4.9	4.9	4.9	5.0
7.4	6.2	5.3	5.1	5.1	5.1	5.1

4.0	4.2	3.9	4.4	4.7	5.2	5.7
4.0	4.2	3.9	4.4	4.7	5.2	5.5

0.1	0.0	0.1	0.8	1.8	2.8	3.0
0.1	0.0	0.1	0.8	1.8	2.8	3.0

## Washington Forecast Comparison

	2015Q3	2015Q4	2016Q1	2016Q2
<b>Real Personal Income (Billions of 2009 Dollars)</b>				
November Forecast, Final	338.1	340.8	346.0	347.7
Percent Change	0.9%	3.2%	6.2%	2.0%
November Forecast, Preliminary	337.7	340.6	345.4	347.5
Percent Change	0.3%	3.5%	5.8%	2.5%
<b>Personal Income (Billions of Dollars)</b>				
November Forecast, Final	371.0	374.7	381.2	384.7
Percent Change	2.2%	4.1%	7.1%	3.7%
November Forecast, Preliminary	370.9	374.2	381.5	385.2
Percent Change	2.0%	3.7%	8.0%	4.0%
<b>Nonfarm Payroll Employment (Thousands)</b>				
November Forecast, Final	3170	3183	3197	3209
Percent Change	2.3%	1.7%	1.7%	1.6%
November Forecast, Preliminary	3170	3182	3196	3208
Percent Change	2.4%	1.5%	1.8%	1.5%
<b>Unemployment Rate (Percent of Labor Force)</b>				
November Forecast, Final	5.3	5.2	5.2	5.2
November Forecast, Preliminary	5.3	5.2	5.2	5.2
<b>Manufacturing Employment (Thousands)</b>				
November Forecast, Final	289.8	287.9	286.9	286.6
Percent Change	0.3%	-2.6%	-1.3%	-0.5%
November Forecast, Preliminary	289.9	288.4	288.0	287.9
Percent Change	0.4%	-2.0%	-0.5%	-0.2%
<b>Construction Employment (Thousands)</b>				
November Forecast, Final	172.9	173.5	173.5	173.3
Percent Change	-0.1%	1.4%	0.0%	-0.4%
November Forecast, Preliminary	172.9	172.9	173.0	172.9
Percent Change	-0.1%	-0.2%	0.3%	-0.1%
<b>Housing Permits (Thousands)</b>				
November Forecast, Final	37.4	36.4	37.4	38.5
Percent Change	6.7%	-10.2%	11.6%	12.1%
November Forecast, Preliminary	37.4	36.4	37.4	38.5
Percent Change	6.7%	-10.2%	11.5%	12.5%

	2013	2014	2015	2016	2017	2018	2019
<b>Real Personal Income (Billions of 2009 Dollars)</b>							
November Forecast, Final	307.7	321.1	337.2	348.6	360.2	373.0	385.5
Percent Change	0.0%	4.3%	5.0%	3.4%	3.3%	3.6%	3.3%
November Forecast, Preliminary	307.7	321.1	337.0	348.7	361.5	374.2	386.6
Percent Change	0.0%	4.3%	5.0%	3.5%	3.7%	3.5%	3.3%
<b>Personal Income (Billions of Dollars)</b>							
November Forecast, Final	331.0	350.3	369.1	386.8	407.4	429.6	451.6
Percent Change	1.4%	5.8%	5.4%	4.8%	5.3%	5.5%	5.1%
November Forecast, Preliminary	331.0	350.3	369.0	387.4	408.7	430.7	452.5
Percent Change	1.4%	5.8%	5.3%	5.0%	5.5%	5.4%	5.0%
<b>Nonfarm Payroll Employment (Thousands)</b>							
November Forecast, Final	2993	3074	3159	3214	3263	3312	3353
Percent Change	2.4%	2.7%	2.8%	1.8%	1.5%	1.5%	1.3%
November Forecast, Preliminary	2993	3074	3158	3212	3259	3306	3345
Percent Change	2.4%	2.7%	2.7%	1.7%	1.5%	1.4%	1.2%
<b>Unemployment Rate (Percent of Labor Force)</b>							
November Forecast, Final	6.9	6.3	5.5	5.2	5.2	5.2	5.3
November Forecast, Preliminary	6.9	6.3	5.5	5.2	5.2	5.2	5.3
<b>Manufacturing Employment (Thousands)</b>							
November Forecast, Final	286.7	288.2	289.2	287.0	288.5	289.8	291.2
Percent Change	2.3%	0.5%	0.4%	-0.8%	0.5%	0.5%	0.5%
November Forecast, Preliminary	286.7	288.2	289.4	288.2	289.3	290.6	292.1
Percent Change	2.3%	0.5%	0.4%	-0.4%	0.4%	0.5%	0.5%
<b>Construction Employment (Thousands)</b>							
November Forecast, Final	149.0	159.3	172.8	174.2	181.5	190.1	195.5
Percent Change	7.1%	6.9%	8.5%	0.8%	4.2%	4.8%	2.9%
November Forecast, Preliminary	149.0	159.3	172.6	173.9	181.1	189.6	195.5
Percent Change	7.1%	6.9%	8.4%	0.7%	4.1%	4.7%	3.1%
<b>Housing Permits (Thousands)</b>							
November Forecast, Final	33.0	33.9	41.0	38.9	42.6	44.1	44.6
Percent Change	17.2%	2.8%	21.1%	-5.2%	9.4%	3.7%	1.1%
November Forecast, Preliminary	33.0	33.9	41.0	39.1	42.8	44.1	44.5
Percent Change	17.2%	2.8%	21.1%	-4.7%	9.3%	3.2%	0.9%

## Washington Forecast Comparison

	2015Q3	2015Q4	2016Q1	2016Q2
<b>Real Personal Income (Billions of 2009 Dollars)</b>				
November Forecast	338.1	340.8	346.0	347.7
Percent Change	0.9%	3.2%	6.2%	2.0%
September Forecast	337.6	340.0	345.4	347.4
Percent Change	2.5%	2.9%	6.6%	2.3%
<b>Personal Income (Billions of Dollars)</b>				
November Forecast	371.0	374.7	381.2	384.7
Percent Change	2.2%	4.1%	7.1%	3.7%
September Forecast	370.9	373.8	381.3	384.8
Percent Change	4.3%	3.2%	8.2%	3.8%
<b>Nonfarm Payroll Employment (Thousands)</b>				
November Forecast	3170	3183	3197	3209
Percent Change	2.3%	1.7%	1.7%	1.6%
September Forecast	3173	3188	3201	3214
Percent Change	2.3%	1.9%	1.7%	1.5%
<b>Unemployment Rate (Percent of Labor Force)</b>				
November Forecast	5.3	5.2	5.2	5.2
September Forecast	5.3	5.2	5.2	5.2
<b>Manufacturing Employment (Thousands)</b>				
November Forecast	289.8	287.9	286.9	286.6
Percent Change	0.3%	-2.6%	-1.3%	-0.5%
September Forecast	287.5	286.6	287.2	287.3
Percent Change	-1.4%	-1.3%	0.9%	0.2%
<b>Construction Employment (Thousands)</b>				
November Forecast	172.9	173.5	173.5	173.3
Percent Change	-0.1%	1.4%	0.0%	-0.4%
September Forecast	175.0	175.6	176.4	176.9
Percent Change	1.2%	1.2%	1.9%	1.3%
<b>Housing Permits (Thousands)</b>				
November Forecast	37.4	36.4	37.4	38.5
Percent Change	6.7%	-10.2%	11.6%	12.1%
September Forecast	35.5	36.4	37.5	38.2
Percent Change	-13.2%	10.4%	13.3%	7.6%

	2013	2014	2015	2016	2017	2018	2019
November Forecast	307.7	321.1	337.2	348.6	360.2	373.0	385.5
Percent Change	0.0%	4.3%	5.0%	3.4%	3.3%	3.6%	3.3%
September Forecast	309.2	321.4	336.6	348.6	361.4	374.5	387.4
Percent Change	1.1%	3.9%	4.7%	3.6%	3.7%	3.6%	3.4%
November Forecast	331.0	350.3	369.1	386.8	407.4	429.6	451.6
Percent Change	1.4%	5.8%	5.4%	4.8%	5.3%	5.5%	5.1%
September Forecast	332.7	350.6	368.6	387.0	408.0	430.4	452.9
Percent Change	2.5%	5.4%	5.1%	5.0%	5.4%	5.5%	5.2%
November Forecast	2993	3074	3159	3214	3263	3312	3353
Percent Change	2.4%	2.7%	2.8%	1.8%	1.5%	1.5%	1.3%
September Forecast	2993	3072	3163	3220	3273	3320	3355
Percent Change	2.4%	2.7%	3.0%	1.8%	1.6%	1.4%	1.1%
November Forecast	6.9	6.3	5.5	5.2	5.2	5.2	5.3
September Forecast	6.9	6.3	5.5	5.2	5.3	5.2	5.2
November Forecast	286.7	288.2	289.2	287.0	288.5	289.8	291.2
Percent Change	2.3%	0.5%	0.4%	-0.8%	0.5%	0.5%	0.5%
September Forecast	286.7	288.2	288.0	287.7	288.8	290.3	291.5
Percent Change	2.3%	0.5%	-0.1%	-0.1%	0.4%	0.5%	0.4%
November Forecast	149.0	159.3	172.8	174.2	181.5	190.1	195.5
Percent Change	7.1%	6.9%	8.5%	0.8%	4.2%	4.8%	2.9%
September Forecast	149.0	159.3	174.4	178.1	185.4	193.1	199.0
Percent Change	7.1%	6.9%	9.5%	2.1%	4.1%	4.2%	3.0%
November Forecast	33.0	33.9	41.0	38.9	42.6	44.1	44.6
Percent Change	17.2%	2.8%	21.1%	-5.2%	9.4%	3.7%	1.1%
September Forecast	33.0	33.9	40.6	39.1	42.6	44.0	44.6
Percent Change	17.2%	2.8%	19.7%	-3.7%	9.1%	3.2%	1.3%