



## Final March 2019 Economic Forecast

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We have updated the preliminary March economic forecast, which was released on February 26, 2019. The final March economic forecast reflects a more recent national forecast and newly released state employment data. This updated economic forecast will form the basis of the March 2019 revenue forecast scheduled for release on March 20, 2019.

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



## U.S. Forecast Comparison

	2018Q4	2019Q1	2019Q2	2019Q3
<b>Real GDP (Billions of 2012 Dollars)</b>				
March Forecast, Final	18,785	18,852	18,971	19,078
Percent Change	2.6%	1.4%	2.6%	2.3%
March Forecast, Preliminary	18,776	18,869	18,990	19,093
Percent Change	2.4%	2.0%	2.6%	2.2%
<b>Real Consumption (Billions of 2012 Dollars)</b>				
March Forecast, Final	13,044	13,101	13,183	13,259
Percent Change	2.8%	1.7%	2.5%	2.3%
March Forecast, Preliminary	13,070	13,135	13,212	13,285
Percent Change	3.6%	2.0%	2.4%	2.2%
<b>PCE Price Index (2012=100)</b>				
March Forecast, Final	108.9	109.3	109.9	110.4
Percent Change	1.5%	1.4%	2.2%	2.1%
March Forecast, Preliminary	108.8	109.2	109.8	110.4
Percent Change	1.4%	1.4%	2.1%	2.1%
<b>Real Personal Income (Billions of 2012 Dollars)</b>				
March Forecast, Final	16,426	16,520	16,598	16,691
Percent Change	3.7%	2.3%	1.9%	2.3%
March Forecast, Preliminary	16,377	16,514	16,606	16,694
Percent Change	2.7%	3.4%	2.2%	2.1%
<b>Nonfarm Payroll Employment (Millions)</b>				
March Forecast, Final	150.1	150.8	151.4	151.9
Percent Change	1.7%	1.9%	1.5%	1.4%
March Forecast, Preliminary	150.1	150.8	151.4	151.9
Percent Change	1.7%	2.0%	1.6%	1.4%
<b>Unemployment Rate (Percent of Labor Force)</b>				
March Forecast, Final	3.8	3.8	3.5	3.5
March Forecast, Preliminary	3.8	3.7	3.6	3.5
<b>Oil Price, Refiner's Acquisition</b>				
March Forecast, Final	61.2	56.6	59.1	59.4
March Forecast, Preliminary	61.2	57.1	60.5	60.8
<b>30 Year Fixed Mortgage Rate (Percent, average)</b>				
March Forecast, Final	4.8	4.4	4.5	4.6
March Forecast, Preliminary	4.8	4.5	4.8	4.8
<b>3 Month T-Bill Rate (Percent, average)</b>				
March Forecast, Final	2.3	2.4	2.5	2.6
March Forecast, Preliminary	2.4	2.5	2.6	2.6

	2017	2018	2019	2020	2021	2022	2023
<b>Real GDP (Billions of 2012 Dollars)</b>							
March Forecast, Final	18,051	18,571	19,018	19,370	19,700	20,074	20,476
Percent Change	2.2%	2.9%	2.4%	1.9%	1.7%	1.9%	2.0%
March Forecast, Preliminary	18,051	18,569	19,035	19,384	19,733	20,108	20,530
Percent Change	2.2%	2.9%	2.5%	1.8%	1.8%	1.9%	2.1%
<b>Real Consumption (Billions of 2012 Dollars)</b>							
March Forecast, Final	12,559	12,891	13,219	13,487	13,744	14,018	14,299
Percent Change	2.5%	2.6%	2.5%	2.0%	1.9%	2.0%	2.0%
March Forecast, Preliminary	12,559	12,897	13,246	13,513	13,783	14,072	14,382
Percent Change	2.5%	2.7%	2.7%	2.0%	2.0%	2.1%	2.2%
<b>PCE Price Index (2012=100)</b>							
March Forecast, Final	106.1	108.2	110.1	112.4	114.7	117.0	119.3
Percent Change	1.8%	2.0%	1.8%	2.1%	2.1%	2.0%	1.9%
March Forecast, Preliminary	106.1	108.2	110.1	112.3	114.6	116.9	119.4
Percent Change	1.8%	2.0%	1.7%	2.0%	2.0%	2.0%	2.1%
<b>Real Personal Income (Billions of 2012 Dollars)</b>							
March Forecast, Final	15,867	16,244	16,648	17,004	17,360	17,744	18,144
Percent Change	2.6%	2.4%	2.5%	2.1%	2.1%	2.2%	2.3%
March Forecast, Preliminary	15,867	16,229	16,648	17,006	17,368	17,759	18,175
Percent Change	2.6%	2.3%	2.6%	2.1%	2.1%	2.2%	2.3%
<b>Nonfarm Payroll Employment (Millions)</b>							
March Forecast, Final	146.6	149.1	151.6	153.0	153.5	154.4	155.3
Percent Change	1.6%	1.7%	1.7%	0.9%	0.4%	0.6%	0.6%
March Forecast, Preliminary	146.6	149.1	151.6	153.0	153.8	154.8	155.8
Percent Change	1.6%	1.7%	1.7%	0.9%	0.5%	0.6%	0.7%
<b>Unemployment Rate (Percent of Labor Force)</b>							
March Forecast, Final	4.4	3.9	3.6	3.7	3.9	4.0	4.1
March Forecast, Preliminary	4.4	3.9	3.6	3.6	3.7	3.7	3.7
<b>Oil Price, Refiner's Acquisition</b>							
March Forecast, Final	50.7	64.9	58.7	58.8	57.1	55.8	55.3
March Forecast, Preliminary	50.7	64.9	59.8	59.7	57.8	56.5	55.8
<b>30 Year Fixed Mortgage Rate (Percent, average)</b>							
March Forecast, Final	4.0	4.5	4.5	4.8	4.9	4.9	4.9
March Forecast, Preliminary	4.0	4.5	4.7	4.9	5.0	5.0	4.9
<b>3 Month T-Bill Rate (Percent, average)</b>							
March Forecast, Final	0.9	1.9	2.5	2.7	2.7	2.7	2.5
March Forecast, Preliminary	0.9	1.9	2.6	2.7	2.7	2.7	2.6

**U.S. Forecast Comparison**

	2018Q4	2019Q1	2019Q2	2019Q3
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**Real GDP (Billions of 2012 Dollars)**

March Forecast	18,785	18,852	18,971	19,078
Percent Change	2.6%	1.4%	2.6%	2.3%
November Forecast	18,790	18,905	19,021	19,117
Percent Change	2.6%	2.5%	2.5%	2.0%

**Real Consumption (Billions of 2012 Dollars)**

March Forecast	13,044	13,101	13,183	13,259
Percent Change	2.8%	1.7%	2.5%	2.3%
November Forecast	13,036	13,121	13,199	13,267
Percent Change	2.1%	2.6%	2.4%	2.1%

**PCE Price Index (2012=100)**

March Forecast	108.9	109.3	109.9	110.4
Percent Change	1.5%	1.4%	2.2%	2.1%
November Forecast	108.9	109.5	110.0	110.5
Percent Change	1.8%	1.9%	2.0%	1.9%

**Real Personal Income (Billions of 2012 Dollars)**

March Forecast	16,426	16,520	16,598	16,691
Percent Change	3.7%	2.3%	1.9%	2.3%
November Forecast	16,374	16,472	16,588	16,697
Percent Change	1.9%	2.4%	2.8%	2.7%

**Nonfarm Payroll Employment (Millions)**

March Forecast	150.1	150.8	151.4	151.9
Percent Change	1.7%	1.9%	1.5%	1.4%
November Forecast	150.0	150.5	151.0	151.5
Percent Change	1.7%	1.5%	1.4%	1.2%

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

March Forecast	3.8	3.8	3.5	3.5
November Forecast	3.7	3.5	3.4	3.4

**Oil Price, Refiner's Acquisition**

March Forecast	61.2	56.6	59.1	59.4
November Forecast	64.0	59.0	59.7	60.0

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

March Forecast	4.8	4.4	4.5	4.6
November Forecast	4.8	4.9	5.0	5.0

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

March Forecast	2.3	2.4	2.5	2.6
November Forecast	2.4	2.6	2.7	2.8

	2017	2018	2019	2020	2021	2022	2023
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18,051	18,571	19,018	19,370	19,700	20,074	20,476
2.2%	2.9%	2.4%	1.9%	1.7%	1.9%	2.0%
18,051	18,574	19,060	19,403	19,753	20,128	20,551
2.2%	2.9%	2.6%	1.8%	1.8%	1.9%	2.1%

12,559	12,891	13,219	13,487	13,744	14,018	14,299
2.5%	2.6%	2.5%	2.0%	1.9%	2.0%	2.0%
12,559	12,892	13,228	13,479	13,749	14,038	14,347
2.5%	2.7%	2.6%	1.9%	2.0%	2.1%	2.2%

106.1	108.2	110.1	112.4	114.7	117.0	119.3
1.8%	2.0%	1.8%	2.1%	2.1%	2.0%	1.9%
106.1	108.3	110.3	112.4	114.7	117.0	119.4
1.8%	2.1%	1.9%	1.9%	2.1%	2.0%	2.0%

15,867	16,244	16,648	17,004	17,360	17,744	18,144
2.6%	2.4%	2.5%	2.1%	2.1%	2.2%	2.3%
15,867	16,244	16,639	17,053	17,430	17,819	18,249
2.6%	2.4%	2.4%	2.5%	2.2%	2.2%	2.4%

146.6	149.1	151.6	153.0	153.5	154.4	155.3
1.6%	1.7%	1.7%	0.9%	0.4%	0.6%	0.6%
146.6	149.0	151.2	152.6	153.5	154.5	155.6
1.6%	1.6%	1.5%	0.9%	0.6%	0.7%	0.7%

4.4	3.9	3.6	3.7	3.9	4.0	4.1
4.4	3.9	3.5	3.6	3.7	3.8	3.8

50.7	64.9	58.7	58.8	57.1	55.8	55.3
50.7	65.5	59.6	59.8	59.6	59.4	59.0

4.0	4.5	4.5	4.8	4.9	4.9	4.9
4.0	4.6	5.0	5.2	5.2	5.2	5.1

0.9	1.9	2.5	2.7	2.7	2.7	2.5
0.9	2.0	2.8	3.1	3.2	3.2	3.0

### Washington Forecast Comparison

	2018Q4	2019Q1	2019Q2	2019Q3
<b>Real Personal Income (Billions of 2012 Dollars)</b>				
March Forecast, Final	429.0	431.6	433.5	436.5
Percent Change	4.2%	2.5%	1.7%	2.8%
March Forecast, Preliminary	427.7	431.8	434.1	436.8
Percent Change	3.0%	3.9%	2.1%	2.5%
<b>Personal Income (Billions of Dollars)</b>				
March Forecast, Final	467.0	471.6	476.2	482.1
Percent Change	5.8%	4.0%	4.0%	5.0%
March Forecast, Preliminary	465.5	471.6	476.6	482.0
Percent Change	4.4%	5.3%	4.3%	4.6%
<b>Disposable Personal Income (Billions of Dollars)</b>				
March Forecast, Final	415.8	420.0	424.3	429.5
Percent Change	5.8%	4.1%	4.2%	5.0%
March Forecast, Preliminary	414.6	419.8	424.2	428.9
Percent Change	4.5%	5.2%	4.2%	4.5%
<b>Nonfarm Payroll Employment (Thousands)</b>				
March Forecast, Final	3432	3454	3469	3487
Percent Change	2.4%	2.6%	1.8%	2.0%
March Forecast, Preliminary	3430	3452	3468	3484
Percent Change	2.2%	2.6%	1.9%	1.9%
<b>Unemployment Rate (Percent of Labor Force)</b>				
March Forecast, Final	4.4	4.5	4.4	4.3
March Forecast, Preliminary	4.3	4.4	4.2	4.2
<b>Manufacturing Employment (Thousands)</b>				
March Forecast, Final	291.0	292.6	293.0	293.5
Percent Change	4.3%	2.1%	0.5%	0.7%
March Forecast, Preliminary	290.3	292.8	293.4	294.1
Percent Change	4.4%	3.5%	0.9%	0.9%
<b>Construction Employment (Thousands)</b>				
March Forecast, Final	216.9	217.7	216.8	215.8
Percent Change	6.1%	1.6%	-1.6%	-1.9%
March Forecast, Preliminary	216.4	219.6	219.5	219.0
Percent Change	6.3%	6.0%	-0.2%	-0.9%
<b>Housing Permits (Thousands)</b>				
March Forecast, Final	48.6	42.9	42.7	42.4
Percent Change	72.9%	-39.3%	-2.6%	-2.3%
March Forecast, Preliminary	44.1	42.9	43.3	43.4
Percent Change	52.3%	-10.0%	3.4%	0.6%

	2017	2018	2019	2020	2021	2022	2023
<b>Real Personal Income (Billions of 2012 Dollars)</b>							
March Forecast, Final	404.2	423.7	435.3	447.0	458.8	471.3	484.2
Percent Change	4.2%	4.8%	2.7%	2.7%	2.6%	2.7%	2.7%
March Forecast, Preliminary	404.2	423.3	435.5	446.9	458.5	470.8	483.9
Percent Change	4.2%	4.7%	2.9%	2.6%	2.6%	2.7%	2.8%
<b>Personal Income (Billions of Dollars)</b>							
March Forecast, Final	428.8	458.5	479.5	502.5	526.5	551.6	577.6
Percent Change	6.1%	6.9%	4.6%	4.8%	4.8%	4.8%	4.7%
March Forecast, Preliminary	428.8	458.2	479.4	501.9	525.4	550.5	577.8
Percent Change	6.1%	6.9%	4.6%	4.7%	4.7%	4.8%	5.0%
<b>Disposable Personal Income (Billions of Dollars)</b>							
March Forecast, Final	380.3	408.3	427.1	448.1	469.9	491.9	514.3
Percent Change	6.0%	7.3%	4.6%	4.9%	4.9%	4.7%	4.6%
March Forecast, Preliminary	380.3	408.0	426.6	446.3	467.4	489.6	513.6
Percent Change	6.0%	7.3%	4.6%	4.6%	4.7%	4.7%	4.9%
<b>Nonfarm Payroll Employment (Thousands)</b>							
March Forecast, Final	3321	3405	3478	3531	3565	3603	3640
Percent Change	2.4%	2.5%	2.2%	1.5%	1.0%	1.1%	1.0%
March Forecast, Preliminary	3322	3404	3475	3525	3561	3599	3636
Percent Change	2.4%	2.5%	2.1%	1.4%	1.0%	1.1%	1.0%
<b>Unemployment Rate (Percent of Labor Force)</b>							
March Forecast, Final	4.7	4.5	4.4	4.5	4.7	4.8	4.9
March Forecast, Preliminary	4.8	4.6	4.3	4.3	4.5	4.6	4.6
<b>Manufacturing Employment (Thousands)</b>							
March Forecast, Final	284.2	287.4	293.3	293.1	291.7	293.4	296.3
Percent Change	-2.1%	1.1%	2.1%	-0.1%	-0.5%	0.6%	1.0%
March Forecast, Preliminary	283.8	286.6	293.9	294.9	293.6	294.6	297.9
Percent Change	-2.1%	1.0%	2.5%	0.3%	-0.5%	0.4%	1.1%
<b>Construction Employment (Thousands)</b>							
March Forecast, Final	199.8	213.0	216.5	214.7	214.0	215.0	216.6
Percent Change	7.0%	6.6%	1.6%	-0.8%	-0.3%	0.5%	0.8%
March Forecast, Preliminary	199.7	212.5	219.3	218.0	217.0	216.5	216.3
Percent Change	7.0%	6.4%	3.2%	-0.6%	-0.5%	-0.2%	-0.1%
<b>Housing Permits (Thousands)</b>							
March Forecast, Final	45.8	47.4	42.6	42.2	42.1	42.6	42.1
Percent Change	3.9%	3.4%	-10.0%	-1.1%	-0.1%	1.1%	-1.2%
March Forecast, Preliminary	45.8	44.0	43.3	43.7	43.4	43.2	42.4
Percent Change	3.9%	-3.8%	-1.8%	1.0%	-0.7%	-0.5%	-1.7%

## Washington Forecast Comparison

2018Q4 2019Q1 2019Q2 2019Q3

### Real Personal Income (Billions of 2012 Dollars)

March Forecast	429.0	431.6	433.5	436.5
Percent Change	4.2%	2.5%	1.7%	2.8%
November Forecast	427.6	430.2	433.6	436.9
Percent Change	2.8%	2.4%	3.3%	3.0%

### Personal Income (Billions of Dollars)

March Forecast	467.0	471.6	476.2	482.1
Percent Change	5.8%	4.0%	4.0%	5.0%
November Forecast	465.9	470.9	477.0	482.9
Percent Change	4.6%	4.4%	5.3%	5.0%

### Disposable Personal Income (Billions of Dollars)

March Forecast	415.8	420.0	424.3	429.5
Percent Change	5.8%	4.1%	4.2%	5.0%
November Forecast	414.6	419.2	424.8	430.1
Percent Change	4.5%	4.5%	5.4%	5.2%

### Nonfarm Payroll Employment (Thousands)

March Forecast	3432	3454	3469	3487
Percent Change	2.4%	2.6%	1.8%	2.0%
November Forecast	3446	3462	3480	3495
Percent Change	3.0%	2.0%	2.0%	1.7%

### Unemployment Rate (Percent of Labor Force)

March Forecast	4.4	4.5	4.4	4.3
November Forecast	4.3	4.2	4.1	4.1

### Manufacturing Employment (Thousands)

March Forecast	291.0	292.6	293.0	293.5
Percent Change	4.3%	2.1%	0.5%	0.7%
November Forecast	289.0	289.6	290.0	290.0
Percent Change	1.9%	0.8%	0.6%	0.0%

### Construction Employment (Thousands)

March Forecast	216.9	217.7	216.8	215.8
Percent Change	6.1%	1.6%	-1.6%	-1.9%
November Forecast	215.9	215.8	215.8	215.6
Percent Change	4.8%	-0.1%	0.1%	-0.5%

### Housing Permits (Thousands)

March Forecast	48.6	42.9	42.7	42.4
Percent Change	72.9%	-39.3%	-2.6%	-2.3%
November Forecast	42.8	42.9	43.6	43.9
Percent Change	35.9%	0.9%	6.7%	2.5%

2017 2018 2019 2020 2021 2022 2023

404.2	423.7	435.3	447.0	458.8	471.3	484.2
4.2%	4.8%	2.7%	2.7%	2.6%	2.7%	2.7%
404.2	423.2	435.2	448.3	460.1	472.4	485.7
4.2%	4.7%	2.8%	3.0%	2.6%	2.7%	2.8%

428.8	458.5	479.5	502.5	526.5	551.6	577.6
6.1%	6.9%	4.6%	4.8%	4.8%	4.8%	4.7%
428.8	458.2	479.9	503.8	527.8	552.8	579.8
6.1%	6.9%	4.7%	5.0%	4.8%	4.7%	4.9%

380.3	408.3	427.1	448.1	469.9	491.9	514.3
6.0%	7.3%	4.6%	4.9%	4.9%	4.7%	4.6%
380.3	407.9	427.4	449.3	471.0	492.7	515.6
6.0%	7.3%	4.8%	5.1%	4.8%	4.6%	4.6%

3321	3405	3478	3531	3565	3603	3640
2.4%	2.5%	2.2%	1.5%	1.0%	1.1%	1.0%
3322	3411	3486	3538	3575	3612	3648
2.4%	2.7%	2.2%	1.5%	1.0%	1.0%	1.0%

4.7	4.5	4.4	4.5	4.7	4.8	4.9
4.8	4.6	4.1	4.3	4.5	4.6	4.6

284.2	287.4	293.3	293.1	291.7	293.4	296.3
-2.1%	1.1%	2.1%	-0.1%	-0.5%	0.6%	1.0%
283.8	286.4	290.1	290.5	290.2	292.2	295.8
-2.1%	0.9%	1.3%	0.1%	-0.1%	0.7%	1.2%

199.8	213.0	216.5	214.7	214.0	215.0	216.6
7.0%	6.6%	1.6%	-0.8%	-0.3%	0.5%	0.8%
199.7	212.5	215.8	215.7	214.9	213.8	212.5
7.0%	6.4%	1.6%	-0.1%	-0.3%	-0.5%	-0.6%

45.8	47.4	42.6	42.2	42.1	42.6	42.1
3.9%	3.4%	-10.0%	-1.1%	-0.1%	1.1%	-1.2%
45.8	43.7	43.6	43.8	42.2	41.4	40.6
3.9%	-4.5%	-0.2%	0.4%	-3.7%	-1.9%	-2.0%