



## Revised September 2023 Economic Forecast

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We have updated our September economic forecast. The revised economic forecast reflects a more recent national economic forecast and updated Washington economic data. This updated economic forecast will form the basis of the September 2023 revenue forecast scheduled for adoption on September 26, 2023.

The following tables compare the revised September economic forecast with the preliminary September forecast as well as with the forecast adopted in June 2023.

## U.S. Forecast Comparison

	2023Q1	2023Q2	2023Q3	2023Q4
<b>Real GDP (Billions of 2012 Dollars)</b>				
September Forecast, Final	20,283	20,386	20,538	20,561
Percent Change	2.0%	2.1%	3.0%	0.5%
September Forecast, Preliminary	20,283	20,404	20,481	20,487
Percent Change	2.0%	2.4%	1.5%	0.1%
<b>Real Consumption (Billions of 2012 Dollars)</b>				
September Forecast, Final	14,360	14,420	14,515	14,538
Percent Change	4.2%	1.7%	2.7%	0.6%
September Forecast, Preliminary	14,360	14,419	14,465	14,477
Percent Change	4.2%	1.6%	1.3%	0.3%
<b>PCE Price Index (2012=100)</b>				
September Forecast, Final	126.2	127.0	128.0	128.9
Percent Change	4.1%	2.5%	3.4%	3.0%
September Forecast, Preliminary	126.2	127.0	127.9	128.8
Percent Change	4.1%	2.6%	2.9%	2.7%
<b>Real Personal Income (Billions of 2012 Dollars)</b>				
September Forecast, Final	17,849	17,921	17,926	17,959
Percent Change	0.9%	1.6%	0.1%	0.7%
September Forecast, Preliminary	17,849	17,919	17,971	18,017
Percent Change	0.9%	1.6%	1.2%	1.0%
<b>Nonfarm Payroll Employment (Millions)</b>				
September Forecast, Final	155.2	155.9	156.4	156.4
Percent Change	2.5%	1.7%	1.2%	0.1%
September Forecast, Preliminary	155.2	155.9	156.4	156.5
Percent Change	2.5%	1.8%	1.2%	0.2%
<b>Unemployment Rate (Percent of Labor Force)</b>				
September Forecast, Final	3.5	3.5	3.7	3.8
September Forecast, Preliminary	3.5	3.5	3.6	3.7
<b>Oil Price, Refiner's Acquisition</b>				
September Forecast, Final	74.5	73.9	81.9	89.1
September Forecast, Preliminary	74.5	74.8	78.9	79.2
<b>30 Year Fixed Mortgage Rate (Percent, average)</b>				
September Forecast, Final	6.4	6.5	7.1	7.0
September Forecast, Preliminary	6.4	6.5	7.0	6.9
<b>3 Month T-Bill Rate (Percent, average)</b>				
September Forecast, Final	4.6	5.1	5.3	5.5
September Forecast, Preliminary	4.6	5.1	5.4	5.5

	2021	2022	2023	2024	2025	2026	2027
September Forecast, Final	19,610	20,014	20,442	20,637	21,049	21,470	21,878
Percent Change	5.9%	2.1%	2.1%	1.0%	2.0%	2.0%	1.9%
September Forecast, Preliminary	19,610	20,014	20,414	20,579	20,991	21,411	21,818
Percent Change	5.9%	2.1%	2.0%	0.8%	2.0%	2.0%	1.9%
September Forecast, Final	13,754	14,130	14,458	14,606	14,913	15,226	15,531
Percent Change	8.3%	2.7%	2.3%	1.0%	2.1%	2.1%	2.0%
September Forecast, Preliminary	13,754	14,130	14,430	14,560	14,865	15,177	15,481
Percent Change	8.3%	2.7%	2.1%	0.9%	2.1%	2.1%	2.0%
September Forecast, Final	115.6	122.9	127.5	130.9	133.6	136.2	138.9
Percent Change	4.0%	6.3%	3.8%	2.7%	2.0%	2.0%	1.9%
September Forecast, Preliminary	115.6	122.9	127.5	130.6	133.3	135.8	138.5
Percent Change	4.0%	6.3%	3.7%	2.5%	2.0%	1.9%	2.0%
September Forecast, Final	18,427	17,725	17,914	18,219	18,685	19,156	19,671
Percent Change	3.3%	-3.8%	1.1%	1.7%	2.6%	2.5%	2.7%
September Forecast, Preliminary	18,427	17,725	17,939	18,234	18,735	19,264	19,780
Percent Change	3.3%	-3.8%	1.2%	1.6%	2.7%	2.8%	2.7%
September Forecast, Final	146.3	152.6	156.0	155.9	156.0	156.6	157.3
Percent Change	2.9%	4.3%	2.2%	-0.1%	0.1%	0.4%	0.4%
September Forecast, Preliminary	146.3	152.6	156.0	155.9	156.1	156.8	157.4
Percent Change	2.9%	4.3%	2.2%	-0.1%	0.1%	0.4%	0.4%
September Forecast, Final	5.4	3.6	3.6	4.2	4.3	4.2	4.1
September Forecast, Preliminary	5.4	3.6	3.6	4.2	4.3	4.2	4.1
September Forecast, Final	67.5	95.2	79.8	82.9	76.2	71.6	68.1
September Forecast, Preliminary	67.5	95.2	76.8	76.7	73.0	69.9	67.1
September Forecast, Final	3.0	5.4	6.7	6.3	5.4	5.1	4.9
September Forecast, Preliminary	3.0	5.4	6.7	6.3	5.4	5.0	4.9
September Forecast, Final	0.0	2.0	5.1	4.8	3.2	2.4	2.4
September Forecast, Preliminary	0.0	2.0	5.1	4.8	3.3	2.4	2.4

## U.S. Forecast Comparison

	2023Q1	2023Q2	2023Q3	2023Q4
<b>Real GDP (Billions of 2012 Dollars)</b>				
September Forecast	20,283	20,386	20,538	20,561
Percent Change	2.0%	2.1%	3.0%	0.5%
June Forecast	20,246	20,286	20,266	20,258
Percent Change	1.3%	0.8%	-0.4%	-0.2%
<b>Real Consumption (Billions of 2012 Dollars)</b>				
September Forecast	14,360	14,420	14,515	14,538
Percent Change	4.2%	1.7%	2.7%	0.6%
June Forecast	14,347	14,387	14,386	14,387
Percent Change	3.8%	1.1%	0.0%	0.0%
<b>PCE Price Index (2012=100)</b>				
September Forecast	126.2	127.0	128.0	128.9
Percent Change	4.1%	2.5%	3.4%	3.0%
June Forecast	126.2	127.0	127.8	128.6
Percent Change	4.2%	2.6%	2.5%	2.7%
<b>Real Personal Income (Billions of 2012 Dollars)</b>				
September Forecast	17,849	17,921	17,926	17,959
Percent Change	0.9%	1.6%	0.1%	0.7%
June Forecast	17,825	17,904	17,986	18,016
Percent Change	0.4%	1.8%	1.9%	0.7%
<b>Nonfarm Payroll Employment (Millions)</b>				
September Forecast	155.2	155.9	156.4	156.4
Percent Change	2.5%	1.7%	1.2%	0.1%
June Forecast	155.2	156.1	156.4	156.2
Percent Change	2.5%	2.2%	0.8%	-0.4%
<b>Unemployment Rate (Percent of Labor Force)</b>				
September Forecast	3.5	3.5	3.7	3.8
June Forecast	3.5	3.5	3.6	3.8
<b>Oil Price, Refiner's Acquisition</b>				
September Forecast	74.5	73.9	81.9	89.1
June Forecast	74.3	73.3	68.6	68.3
<b>30 Year Fixed Mortgage Rate (Percent, average)</b>				
September Forecast	6.4	6.5	7.1	7.0
June Forecast	6.4	6.5	6.6	6.3
<b>3 Month T-Bill Rate (Percent, average)</b>				
September Forecast	4.6	5.1	5.3	5.5
June Forecast	4.6	5.0	5.1	5.0

	2021	2022	2023	2024	2025	2026	2027
September Forecast	19,610	20,014	20,442	20,637	21,049	21,470	21,878
Percent Change	5.9%	2.1%	2.1%	1.0%	2.0%	2.0%	1.9%
June Forecast	19,610	20,014	20,264	20,412	20,820	21,237	21,640
Percent Change	5.9%	2.1%	1.2%	0.7%	2.0%	2.0%	1.9%
September Forecast	13,754	14,130	14,458	14,606	14,913	15,226	15,531
Percent Change	8.3%	2.7%	2.3%	1.0%	2.1%	2.1%	2.0%
June Forecast	13,754	14,130	14,377	14,486	14,791	15,101	15,403
Percent Change	8.3%	2.7%	1.7%	0.8%	2.1%	2.1%	2.0%
September Forecast	115.6	122.9	127.5	130.9	133.6	136.2	138.9
Percent Change	4.0%	6.3%	3.8%	2.7%	2.0%	2.0%	1.9%
June Forecast	115.6	122.9	127.4	130.5	133.0	135.6	138.3
Percent Change	4.0%	6.3%	3.7%	2.4%	2.0%	1.9%	2.0%
September Forecast	18,427	17,725	17,914	18,219	18,685	19,156	19,671
Percent Change	3.3%	-3.8%	1.1%	1.7%	2.6%	2.5%	2.7%
June Forecast	18,427	17,725	17,933	18,200	18,666	19,176	19,680
Percent Change	3.3%	-3.8%	1.2%	1.5%	2.6%	2.7%	2.6%
September Forecast	146.3	152.6	156.0	155.9	156.0	156.6	157.3
Percent Change	2.9%	4.3%	2.2%	-0.1%	0.1%	0.4%	0.4%
June Forecast	146.3	152.6	156.0	155.7	156.0	156.6	157.3
Percent Change	2.9%	4.3%	2.2%	-0.2%	0.2%	0.4%	0.4%
September Forecast	5.4	3.6	3.6	4.2	4.3	4.2	4.1
June Forecast	5.4	3.6	3.6	4.3	4.4	4.2	4.1
September Forecast	67.5	95.2	79.8	82.9	76.2	71.6	68.1
June Forecast	67.5	95.1	71.1	66.5	64.3	62.6	61.0
September Forecast	3.0	5.4	6.7	6.3	5.4	5.1	4.9
June Forecast	3.0	5.4	6.4	5.8	5.1	4.9	4.9
September Forecast	0.0	2.0	5.1	4.8	3.2	2.4	2.4
June Forecast	0.0	2.0	4.9	4.1	2.5	1.8	1.8

## Washington Forecast Comparison

	2023Q1	2023Q2	2023Q3	2023Q4
<b>Real Personal Income (Billions of 2012 Dollars)</b>				
September Forecast, Final	485.5	487.7	488.2	489.8
Percent Change	8.8%	1.9%	0.4%	1.3%
September Forecast, Preliminary	485.5	486.0	485.9	486.5
Percent Change	8.9%	0.4%	-0.1%	0.5%
<b>Personal Income (Billions of Dollars)</b>				
September Forecast, Final	612.3	619.0	624.9	631.2
Percent Change	13.3%	4.5%	3.8%	4.1%
September Forecast, Preliminary	612.4	617.0	621.5	626.7
Percent Change	13.3%	3.1%	3.0%	3.4%
<b>Disposable Personal Income (Billions of Dollars)</b>				
September Forecast, Final	532.7	539.2	545.1	552.9
Percent Change	20.2%	5.0%	4.4%	5.9%
September Forecast, Preliminary	532.8	537.7	543.3	549.9
Percent Change	20.2%	3.8%	4.2%	5.0%
<b>Nonfarm Payroll Employment (Thousands)</b>				
September Forecast, Final	3591	3608	3621	3623
Percent Change	3.4%	1.9%	1.5%	0.2%
September Forecast, Preliminary	3588	3604	3615	3620
Percent Change	3.4%	1.9%	1.2%	0.5%
<b>Unemployment Rate (Percent of Labor Force)</b>				
September Forecast, Final	4.5	4.1	3.6	4.0
September Forecast, Preliminary	4.5	4.1	3.7	4.0
<b>Manufacturing Employment (Thousands)</b>				
September Forecast, Final	272.5	273.6	276.1	277.6
Percent Change	0.7%	1.6%	3.8%	2.0%
September Forecast, Preliminary	272.5	273.7	275.4	275.8
Percent Change	0.7%	1.8%	2.5%	0.6%
<b>Construction Employment (Thousands)</b>				
September Forecast, Final	237.4	239.9	242.4	240.3
Percent Change	5.4%	4.3%	4.2%	-3.5%
September Forecast, Preliminary	237.4	239.8	240.4	239.9
Percent Change	5.4%	4.1%	1.0%	-0.9%
<b>Housing Permits (Thousands)</b>				
September Forecast, Final	41.9	39.5	38.3	42.0
Percent Change	48.5%	-21.3%	-11.7%	45.7%
September Forecast, Preliminary	41.9	39.5	40.9	41.9
Percent Change	48.5%	-21.3%	15.5%	9.9%

	2021	2022	2023	2024	2025	2026	2027
September Forecast, Final	494.1	475.4	487.8	498.3	513.7	529.5	546.5
Percent Change	4.1%	-3.8%	2.6%	2.1%	3.1%	3.1%	3.2%
September Forecast, Preliminary	494.1	475.4	486.0	493.9	510.2	527.5	544.6
Percent Change	4.1%	-3.8%	2.2%	1.6%	3.3%	3.4%	3.2%
September Forecast, Final	570.9	583.9	621.9	652.2	686.1	721.1	758.9
Percent Change	8.2%	2.3%	6.5%	4.9%	5.2%	5.1%	5.2%
September Forecast, Preliminary	570.9	583.9	619.4	645.5	680.3	716.6	754.6
Percent Change	8.2%	2.3%	6.1%	4.2%	5.4%	5.3%	5.3%
September Forecast, Final	504.4	499.2	542.5	576.4	607.5	636.0	666.8
Percent Change	6.5%	-1.0%	8.7%	6.2%	5.4%	4.7%	4.8%
September Forecast, Preliminary	504.4	499.2	540.9	571.3	603.1	632.7	664.1
Percent Change	6.5%	-1.0%	8.3%	5.6%	5.6%	4.9%	4.9%
September Forecast, Final	3370	3528	3611	3620	3643	3679	3716
Percent Change	2.6%	4.7%	2.3%	0.3%	0.6%	1.0%	1.0%
September Forecast, Preliminary	3370	3527	3607	3616	3640	3678	3713
Percent Change	2.6%	4.7%	2.3%	0.3%	0.7%	1.0%	1.0%
September Forecast, Final	5.2	4.2	4.0	4.5	4.7	4.6	4.5
September Forecast, Preliminary	5.2	4.2	4.1	4.6	4.7	4.6	4.5
September Forecast, Final	260.0	268.9	274.9	274.3	270.3	272.1	273.6
Percent Change	-4.4%	3.4%	2.3%	-0.2%	-1.5%	0.7%	0.6%
September Forecast, Preliminary	260.0	268.9	274.4	272.8	270.9	273.4	274.6
Percent Change	-4.4%	3.4%	2.0%	-0.6%	-0.7%	0.9%	0.4%
September Forecast, Final	223.9	232.5	240.0	237.7	238.1	243.1	248.6
Percent Change	4.7%	3.8%	3.2%	-1.0%	0.1%	2.1%	2.3%
September Forecast, Preliminary	223.9	232.5	239.4	238.2	238.3	243.1	248.2
Percent Change	4.7%	3.8%	3.0%	-0.5%	0.0%	2.0%	2.1%
September Forecast, Final	56.9	49.0	40.4	42.4	44.2	45.2	45.3
Percent Change	29.8%	-13.9%	-17.6%	5.0%	4.1%	2.2%	0.3%
September Forecast, Preliminary	56.9	49.0	41.1	42.5	43.9	45.1	45.3
Percent Change	29.8%	-13.9%	-16.3%	3.4%	3.5%	2.6%	0.4%

### Washington Forecast Comparison

	2023Q1	2023Q2	2023Q3	2023Q4
<b>Real Personal Income (Billions of 2012 Dollars)</b>				
September Forecast	485.5	487.7	488.2	489.8
Percent Change	8.8%	1.9%	0.4%	1.3%
June Forecast	476.2	479.6	482.1	483.7
Percent Change	1.2%	2.8%	2.1%	1.4%
<b>Personal Income (Billions of Dollars)</b>				
September Forecast	612.3	619.0	624.9	631.2
Percent Change	13.3%	4.5%	3.8%	4.1%
June Forecast	600.8	609.0	616.0	622.3
Percent Change	5.4%	5.6%	4.6%	4.1%
<b>Disposable Personal Income (Billions of Dollars)</b>				
September Forecast	532.7	539.2	545.1	552.9
Percent Change	20.2%	5.0%	4.4%	5.9%
June Forecast	524.2	534.9	542.7	549.2
Percent Change	13.0%	8.4%	6.0%	4.9%
<b>Nonfarm Payroll Employment (Thousands)</b>				
September Forecast	3591	3608	3621	3623
Percent Change	3.4%	1.9%	1.5%	0.2%
June Forecast	3588	3602	3608	3611
Percent Change	2.5%	1.6%	0.6%	0.3%
<b>Unemployment Rate (Percent of Labor Force)</b>				
September Forecast	4.5	4.1	3.6	4.0
June Forecast	4.5	4.1	4.3	4.4
<b>Manufacturing Employment (Thousands)</b>				
September Forecast	272.5	273.6	276.1	277.6
Percent Change	0.7%	1.6%	3.8%	2.0%
June Forecast	275.0	276.9	276.2	274.0
Percent Change	4.1%	2.8%	-1.1%	-3.1%
<b>Construction Employment (Thousands)</b>				
September Forecast	237.4	239.9	242.4	240.3
Percent Change	5.4%	4.3%	4.2%	-3.5%
June Forecast	236.4	238.5	235.4	235.9
Percent Change	3.0%	3.7%	-5.2%	0.9%
<b>Housing Permits (Thousands)</b>				
September Forecast	41.9	39.5	38.3	42.0
Percent Change	48.5%	-21.3%	-11.7%	45.7%
June Forecast	41.9	37.3	40.7	41.6
Percent Change	48.5%	-37.1%	41.2%	9.5%

	2021	2022	2023	2024	2025	2026	2027
September Forecast	494.1	475.4	487.8	498.3	513.7	529.5	546.5
Percent Change	4.1%	-3.8%	2.6%	2.1%	3.1%	3.1%	3.2%
June Forecast	494.1	475.3	480.4	490.3	505.0	521.4	537.8
Percent Change	4.1%	-3.8%	1.1%	2.1%	3.0%	3.2%	3.2%
September Forecast	570.9	583.9	621.9	652.2	686.1	721.1	758.9
Percent Change	8.2%	2.3%	6.5%	4.9%	5.2%	5.1%	5.2%
June Forecast	570.9	583.8	612.0	639.6	671.9	707.0	744.1
Percent Change	8.2%	2.3%	4.8%	4.5%	5.0%	5.2%	5.3%
September Forecast	504.4	499.2	542.5	576.4	607.5	636.0	666.8
Percent Change	6.5%	-1.0%	8.7%	6.2%	5.4%	4.7%	4.8%
June Forecast	504.4	499.2	537.7	567.4	597.2	626.8	657.8
Percent Change	6.5%	-1.0%	7.7%	5.5%	5.3%	5.0%	5.0%
September Forecast	3370	3528	3611	3620	3643	3679	3716
Percent Change	2.6%	4.7%	2.3%	0.3%	0.6%	1.0%	1.0%
June Forecast	3370	3529	3602	3610	3636	3672	3709
Percent Change	2.6%	4.7%	2.1%	0.2%	0.7%	1.0%	1.0%
September Forecast	5.2	4.2	4.0	4.5	4.7	4.6	4.5
June Forecast	5.2	4.2	4.3	4.9	4.8	4.7	4.5
September Forecast	260.0	268.9	274.9	274.3	270.3	272.1	273.6
Percent Change	-4.4%	3.4%	2.3%	-0.2%	-1.5%	0.7%	0.6%
June Forecast	260.0	268.9	275.5	269.1	267.3	269.1	270.6
Percent Change	-4.4%	3.4%	2.5%	-2.3%	-0.7%	0.7%	0.5%
September Forecast	223.9	232.5	240.0	237.7	238.1	243.1	248.6
Percent Change	4.7%	3.8%	3.2%	-1.0%	0.1%	2.1%	2.3%
June Forecast	223.9	232.6	236.5	234.6	234.7	239.1	243.3
Percent Change	4.7%	3.9%	1.7%	-0.8%	0.1%	1.8%	1.8%
September Forecast	56.9	49.0	40.4	42.4	44.2	45.2	45.3
Percent Change	29.8%	-13.9%	-17.6%	5.0%	4.1%	2.2%	0.3%
June Forecast	56.9	49.0	40.4	42.3	44.1	44.8	45.2
Percent Change	29.8%	-13.9%	-17.6%	4.8%	4.0%	1.7%	0.7%