



Revised September 2022 Economic Forecast

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We have updated our preliminary September economic forecast, which was released on August 30, 2022. The revised economic forecast reflects a more recent national economic forecast and another month of Washington employment data. This updated economic forecast will form the basis of the September 2022 revenue forecast scheduled for adoption on September 21, 2022.

The following tables compare the revised September economic forecast with the preliminary September forecast as well as with the forecast adopted in June 2022.

U.S. Forecast Comparison

	2022Q2	2022Q3	2022Q4	2023Q1
Real GDP (Billions of 2012 Dollars)				
September Forecast, Final	19,699	19,737	19,751	19,758
Percent Change	-0.6%	0.8%	0.3%	0.1%
September Forecast, Preliminary	19,682	19,724	19,756	19,776
Percent Change	-0.9%	0.9%	0.6%	0.4%
Real Consumption (Billions of 2012 Dollars)				
September Forecast, Final	13,931	13,980	14,008	14,015
Percent Change	1.5%	1.4%	0.8%	0.2%
September Forecast, Preliminary	13,917	13,969	14,005	14,024
Percent Change	1.0%	1.5%	1.0%	0.6%
PCE Price Index (2012=100)				
September Forecast, Final	122.2	123.5	124.7	125.7
Percent Change	7.1%	4.4%	4.0%	3.1%
September Forecast, Preliminary	122.2	123.9	125.2	126.1
Percent Change	7.1%	5.8%	4.2%	3.0%
Real Personal Income (Billions of 2012 Dollars)				
September Forecast, Final	17,687	17,678	17,754	17,839
Percent Change	-0.2%	-0.2%	1.7%	1.9%
September Forecast, Preliminary	17,688	17,699	17,797	17,814
Percent Change	-0.2%	0.3%	2.2%	0.4%
Nonfarm Payroll Employment (Millions)				
September Forecast, Final	151.6	152.7	153.3	153.3
Percent Change	3.3%	3.1%	1.5%	0.0%
September Forecast, Preliminary	151.6	152.8	153.3	153.5
Percent Change	3.4%	3.0%	1.4%	0.5%
Unemployment Rate (Percent of Labor Force)				
September Forecast, Final	3.6	3.6	3.7	3.8
September Forecast, Preliminary	3.6	3.5	3.6	3.9
Oil Price, Refiner's Acquisition				
September Forecast, Final	109.8	95.4	88.3	85.5
September Forecast, Preliminary	109.6	99.4	96.8	92.3
30 Year Fixed Mortgage Rate (Percent, average)				
September Forecast, Final	5.2	5.5	5.7	5.7
September Forecast, Preliminary	5.2	5.3	5.3	5.1
3 Month T-Bill Rate (Percent, average)				
September Forecast, Final	1.1	2.6	3.5	3.8
September Forecast, Preliminary	1.1	2.4	2.8	3.2

	2021	2022	2023	2024	2025	2026	2027
Real GDP (Billions of 2012 Dollars)							
September Forecast, Final	19,427	19,729	19,843	20,260	20,665	21,078	21,479
Percent Change	5.7%	1.6%	0.6%	2.1%	2.0%	2.0%	1.9%
September Forecast, Preliminary	19,427	19,722	19,866	20,283	20,689	21,102	21,503
Percent Change	5.7%	1.5%	0.7%	2.1%	2.0%	2.0%	1.9%
Real Consumption (Billions of 2012 Dollars)							
September Forecast, Final	13,625	13,950	14,089	14,413	14,730	15,039	15,355
Percent Change	7.9%	2.4%	1.0%	2.3%	2.2%	2.1%	2.1%
September Forecast, Preliminary	13,625	13,943	14,093	14,417	14,734	15,043	15,359
Percent Change	7.9%	2.3%	1.1%	2.3%	2.2%	2.1%	2.1%
PCE Price Index (2012=100)							
September Forecast, Final	115.5	122.6	126.6	128.9	131.3	133.8	136.4
Percent Change	3.9%	6.1%	3.2%	1.8%	1.9%	1.9%	2.0%
September Forecast, Preliminary	115.5	122.8	127.0	129.2	131.4	133.8	136.4
Percent Change	3.9%	6.3%	3.4%	1.7%	1.7%	1.8%	1.9%
Real Personal Income (Billions of 2012 Dollars)							
September Forecast, Final	18,266	17,704	17,868	18,277	18,780	19,268	19,841
Percent Change	3.5%	-3.1%	0.9%	2.3%	2.8%	2.6%	3.0%
September Forecast, Preliminary	18,266	17,720	17,930	18,415	18,916	19,393	19,891
Percent Change	3.5%	-3.0%	1.2%	2.7%	2.7%	2.5%	2.6%
Nonfarm Payroll Employment (Millions)							
September Forecast, Final	146.1	152.0	153.0	153.2	153.5	154.0	154.6
Percent Change	2.8%	4.0%	0.7%	0.1%	0.2%	0.3%	0.4%
September Forecast, Preliminary	146.1	152.0	153.4	153.7	153.9	154.4	154.9
Percent Change	2.8%	4.0%	0.9%	0.2%	0.2%	0.3%	0.3%
Unemployment Rate (Percent of Labor Force)							
September Forecast, Final	5.4	3.7	4.0	4.5	4.6	4.4	4.2
September Forecast, Preliminary	5.4	3.6	4.3	4.7	4.7	4.6	4.5
Oil Price, Refiner's Acquisition							
September Forecast, Final	67.5	96.5	82.1	75.7	71.3	68.1	65.8
September Forecast, Preliminary	67.5	99.5	87.9	79.5	73.7	69.3	66.1
30 Year Fixed Mortgage Rate (Percent, average)							
September Forecast, Final	3.0	5.0	5.5	5.1	4.9	4.8	4.8
September Forecast, Preliminary	3.0	4.9	5.0	4.8	4.8	4.8	4.8
3 Month T-Bill Rate (Percent, average)							
September Forecast, Final	0.0	1.9	3.7	3.1	2.5	2.4	2.4
September Forecast, Preliminary	0.0	1.7	3.2	2.8	2.4	2.4	2.4

U.S. Forecast Comparison

	2022Q2	2022Q3	2022Q4	2023Q1
Real GDP (Billions of 2012 Dollars)				
September Forecast	19,699	19,737	19,751	19,758
Percent Change	-0.6%	0.8%	0.3%	0.1%
June Forecast	19,871	19,976	20,067	20,148
Percent Change	2.9%	2.1%	1.8%	1.6%
Real Consumption (Billions of 2012 Dollars)				
September Forecast	13,931	13,980	14,008	14,015
Percent Change	1.5%	1.4%	0.8%	0.2%
June Forecast	14,035	14,106	14,169	14,226
Percent Change	3.2%	2.0%	1.8%	1.6%
PCE Price Index (2012=100)				
September Forecast	122.2	123.5	124.7	125.7
Percent Change	7.1%	4.4%	4.0%	3.1%
June Forecast	122.3	123.5	124.6	125.5
Percent Change	7.4%	4.3%	3.5%	3.0%
Real Personal Income (Billions of 2012 Dollars)				
September Forecast	17,687	17,678	17,754	17,839
Percent Change	-0.2%	-0.2%	1.7%	1.9%
June Forecast	17,635	17,683	17,743	17,783
Percent Change	-1.5%	1.1%	1.4%	0.9%
Nonfarm Payroll Employment (Millions)				
September Forecast	151.6	152.7	153.3	153.3
Percent Change	3.3%	3.1%	1.5%	0.0%
June Forecast	151.7	152.5	152.9	153.1
Percent Change	3.6%	2.1%	1.1%	0.5%
Unemployment Rate (Percent of Labor Force)				
September Forecast	3.6	3.6	3.7	3.8
June Forecast	3.6	3.5	3.6	3.8
Oil Price, Refiner's Acquisition				
September Forecast	109.8	95.4	88.3	85.5
June Forecast	107.7	111.6	105.2	100.1
30 Year Fixed Mortgage Rate (Percent, average)				
September Forecast	5.2	5.5	5.7	5.7
June Forecast	5.1	5.3	5.3	5.2
3 Month T-Bill Rate (Percent, average)				
September Forecast	1.1	2.6	3.5	3.8
June Forecast	1.0	1.7	2.1	2.5

	2021	2022	2023	2024	2025	2026	2027
Real GDP (Billions of 2012 Dollars)							
September Forecast	19,427	19,729	19,843	20,260	20,665	21,078	21,479
Percent Change	5.7%	1.6%	0.6%	2.1%	2.0%	2.0%	1.9%
June Forecast	19,427	19,911	20,283	20,709	21,123	21,545	21,955
Percent Change	5.7%	2.5%	1.9%	2.1%	2.0%	2.0%	1.9%
Real Consumption (Billions of 2012 Dollars)							
September Forecast	13,625	13,950	14,089	14,413	14,730	15,039	15,355
Percent Change	7.9%	2.4%	1.0%	2.3%	2.2%	2.1%	2.1%
June Forecast	13,625	14,059	14,328	14,657	14,980	15,295	15,616
Percent Change	7.9%	3.2%	1.9%	2.3%	2.2%	2.1%	2.1%
PCE Price Index (2012=100)							
September Forecast	115.5	122.6	126.6	128.9	131.3	133.8	136.4
Percent Change	3.9%	6.1%	3.2%	1.8%	1.9%	1.9%	2.0%
June Forecast	115.5	122.6	126.5	128.6	130.8	133.2	135.8
Percent Change	3.9%	6.1%	3.1%	1.6%	1.7%	1.9%	1.9%
Real Personal Income (Billions of 2012 Dollars)							
September Forecast	18,266	17,704	17,868	18,277	18,780	19,268	19,841
Percent Change	3.5%	-3.1%	0.9%	2.3%	2.8%	2.6%	3.0%
June Forecast	18,266	17,691	17,947	18,497	19,040	19,572	20,099
Percent Change	3.5%	-3.2%	1.4%	3.1%	2.9%	2.8%	2.7%
Nonfarm Payroll Employment (Millions)							
September Forecast	146.1	152.0	153.0	153.2	153.5	154.0	154.6
Percent Change	2.8%	4.0%	0.7%	0.1%	0.2%	0.3%	0.4%
June Forecast	146.1	151.9	153.1	153.3	153.4	154.0	154.9
Percent Change	2.8%	4.0%	0.8%	0.1%	0.1%	0.4%	0.6%
Unemployment Rate (Percent of Labor Force)							
September Forecast	5.4	3.7	4.0	4.5	4.6	4.4	4.2
June Forecast	5.4	3.6	4.0	4.4	4.6	4.5	4.3
Oil Price, Refiner's Acquisition							
September Forecast	67.5	96.5	82.1	75.7	71.3	68.1	65.8
June Forecast	67.5	104.2	95.2	85.0	77.5	72.4	69.0
30 Year Fixed Mortgage Rate (Percent, average)							
September Forecast	3.0	5.0	5.5	5.1	4.9	4.8	4.8
June Forecast	3.0	4.9	5.2	5.0	4.9	4.8	4.8
3 Month T-Bill Rate (Percent, average)							
September Forecast	0.0	1.9	3.7	3.1	2.5	2.4	2.4
June Forecast	0.0	1.3	2.7	2.6	2.4	2.4	2.4

Washington Forecast Comparison

2022Q2 2022Q3 2022Q4 2023Q1

Real Personal Income (Billions of 2012 Dollars)

September Forecast, Final	466.9	468.0	469.1	471.3
Percent Change	0.6%	0.9%	0.9%	1.9%
September Forecast, Preliminary	467.1	468.9	470.8	471.8
Percent Change	0.8%	1.5%	1.7%	0.9%

Personal Income (Billions of Dollars)

September Forecast, Final	570.4	578.0	585.1	592.3
Percent Change	7.8%	5.4%	5.0%	5.0%
September Forecast, Preliminary	570.6	580.9	589.4	595.0
Percent Change	7.9%	7.4%	6.0%	3.9%

Disposable Personal Income (Billions of Dollars)

September Forecast, Final	493.4	499.9	507.5	524.3
Percent Change	7.4%	5.4%	6.2%	14.0%
September Forecast, Preliminary	493.7	502.7	511.3	518.0
Percent Change	7.7%	7.5%	7.0%	5.4%

Nonfarm Payroll Employment (Thousands)

September Forecast, Final	3520	3555	3565	3569
Percent Change	3.8%	4.1%	1.2%	0.4%
September Forecast, Preliminary	3520	3558	3570	3579
Percent Change	3.8%	4.4%	1.3%	1.0%

Unemployment Rate (Percent of Labor Force)

September Forecast, Final	3.9	3.7	3.9	4.0
September Forecast, Preliminary	3.9	3.7	3.9	4.2

Manufacturing Employment (Thousands)

September Forecast, Final	270.1	274.6	276.3	273.4
Percent Change	5.7%	6.9%	2.4%	-4.1%
September Forecast, Preliminary	270.1	275.4	277.4	276.0
Percent Change	5.7%	8.0%	2.9%	-2.0%

Construction Employment (Thousands)

September Forecast, Final	234.8	237.0	234.8	229.4
Percent Change	4.0%	3.7%	-3.5%	-9.0%
September Forecast, Preliminary	234.9	236.0	230.5	228.2
Percent Change	4.1%	1.8%	-9.0%	-3.9%

Housing Permits (Thousands)

September Forecast, Final	56.3	50.5	45.5	45.0
Percent Change	-25.2%	-35.2%	-34.1%	-4.3%
September Forecast, Preliminary	56.3	50.5	45.8	45.0
Percent Change	-25.2%	-35.2%	-32.5%	-6.4%

2021 2022 2023 2024 2025 2026 2027

482.1	467.6	473.9	487.8	503.9	519.9	537.7
3.8%	-3.0%	1.3%	2.9%	3.3%	3.2%	3.4%
482.1	468.2	476.3	492.1	508.1	523.4	539.3
3.8%	-2.9%	1.7%	3.3%	3.2%	3.0%	3.0%

556.7	573.3	599.7	628.6	661.7	695.6	733.5
7.8%	3.0%	4.6%	4.8%	5.3%	5.1%	5.4%
556.7	575.2	605.1	635.7	667.6	700.5	735.4
7.8%	3.3%	5.2%	5.0%	5.0%	4.9%	5.0%

494.3	496.4	533.9	566.6	594.8	622.1	653.3
6.2%	0.4%	7.6%	6.1%	5.0%	4.6%	5.0%
494.3	498.1	533.3	568.7	597.1	626.0	656.9
6.2%	0.8%	7.1%	6.6%	5.0%	4.9%	4.9%

3363	3532	3572	3597	3627	3663	3697
2.4%	5.0%	1.1%	0.7%	0.8%	1.0%	0.9%
3363	3534	3585	3614	3641	3673	3705
2.4%	5.1%	1.5%	0.8%	0.8%	0.9%	0.8%

5.3	4.0	4.3	4.8	4.9	4.7	4.5
5.3	3.9	4.5	4.9	5.0	4.9	4.7

259.2	271.8	270.8	266.7	267.5	268.7	270.0
-4.6%	4.9%	-0.4%	-1.5%	0.3%	0.5%	0.5%
259.2	272.3	274.5	270.8	268.7	266.9	266.8
-4.6%	5.1%	0.8%	-1.3%	-0.8%	-0.6%	0.0%

223.4	234.8	226.6	224.6	225.7	229.4	233.1
4.5%	5.1%	-3.5%	-0.9%	0.5%	1.7%	1.6%
223.4	233.5	226.0	225.8	226.3	228.0	230.0
4.5%	4.5%	-3.2%	-0.1%	0.2%	0.8%	0.9%

56.9	53.2	45.2	47.1	47.5	46.6	46.0
29.2%	-6.6%	-15.1%	4.2%	0.9%	-1.9%	-1.2%
56.9	53.3	45.6	47.2	47.3	46.2	45.4
29.2%	-6.5%	-14.4%	3.6%	0.1%	-2.2%	-1.7%

Washington Forecast Comparison

	2022Q2	2022Q3	2022Q4	2023Q1
Real Personal Income (Billions of 2012 Dollars)				
September Forecast	466.9	468.0	469.1	471.3
Percent Change	0.6%	0.9%	0.9%	1.9%
June Forecast	465.9	466.2	467.9	469.6
Percent Change	-1.0%	0.3%	1.5%	1.5%
Personal Income (Billions of Dollars)				
September Forecast	570.4	578.0	585.1	592.3
Percent Change	7.8%	5.4%	5.0%	5.0%
June Forecast	569.6	576.0	583.1	589.5
Percent Change	6.4%	4.6%	5.0%	4.5%
Disposable Personal Income (Billions of Dollars)				
September Forecast	493.4	499.9	507.5	524.3
Percent Change	7.4%	5.4%	6.2%	14.0%
June Forecast	493.5	499.8	506.5	513.4
Percent Change	5.0%	5.2%	5.5%	5.6%
Nonfarm Payroll Employment (Thousands)				
September Forecast	3520	3555	3565	3569
Percent Change	3.8%	4.1%	1.2%	0.4%
June Forecast	3521	3540	3549	3557
Percent Change	4.0%	2.1%	1.1%	0.9%
Unemployment Rate (Percent of Labor Force)				
September Forecast	3.9	3.7	3.9	4.0
June Forecast	4.0	4.0	4.1	4.3
Manufacturing Employment (Thousands)				
September Forecast	270.1	274.6	276.3	273.4
Percent Change	5.7%	6.9%	2.4%	-4.1%
June Forecast	270.1	275.3	277.4	278.1
Percent Change	5.8%	7.8%	3.2%	0.9%
Construction Employment (Thousands)				
September Forecast	234.8	237.0	234.8	229.4
Percent Change	4.0%	3.7%	-3.5%	-9.0%
June Forecast	234.9	232.9	232.1	231.4
Percent Change	4.1%	-3.4%	-1.4%	-1.2%
Housing Permits (Thousands)				
September Forecast	56.3	50.5	45.5	45.0
Percent Change	-25.2%	-35.2%	-34.1%	-4.3%
June Forecast	51.8	48.7	47.8	47.9
Percent Change	-46.4%	-21.9%	-7.1%	1.0%

	2021	2022	2023	2024	2025	2026	2027
Real Personal Income (Billions of 2012 Dollars)							
September Forecast	482.1	467.6	473.9	487.8	503.9	519.9	537.7
Percent Change	3.8%	-3.0%	1.3%	2.9%	3.3%	3.2%	3.4%
June Forecast	481.2	466.8	475.5	493.2	510.6	527.7	544.4
Percent Change	3.6%	-3.0%	1.9%	3.7%	3.5%	3.3%	3.2%
Personal Income (Billions of Dollars)							
September Forecast	556.7	573.3	599.7	628.6	661.7	695.6	733.5
Percent Change	7.8%	3.0%	4.6%	4.8%	5.3%	5.1%	5.4%
June Forecast	555.6	572.4	601.4	634.0	667.8	703.1	739.3
Percent Change	7.6%	3.0%	5.1%	5.4%	5.3%	5.3%	5.1%
Disposable Personal Income (Billions of Dollars)							
September Forecast	494.3	496.4	533.9	566.6	594.8	622.1	653.3
Percent Change	6.2%	0.4%	7.6%	6.1%	5.0%	4.6%	5.0%
June Forecast	493.5	496.8	529.9	566.4	596.2	626.4	658.0
Percent Change	6.1%	0.7%	6.7%	6.9%	5.3%	5.1%	5.0%
Nonfarm Payroll Employment (Thousands)							
September Forecast	3363	3532	3572	3597	3627	3663	3697
Percent Change	2.4%	5.0%	1.1%	0.7%	0.8%	1.0%	0.9%
June Forecast	3363	3524	3566	3592	3618	3653	3690
Percent Change	2.4%	4.8%	1.2%	0.7%	0.7%	0.9%	1.0%
Unemployment Rate (Percent of Labor Force)							
September Forecast	5.3	4.0	4.3	4.8	4.9	4.7	4.5
June Forecast	5.3	4.1	4.5	4.8	5.0	4.9	4.7
Manufacturing Employment (Thousands)							
September Forecast	259.2	271.8	270.8	266.7	267.5	268.7	270.0
Percent Change	-4.6%	4.9%	-0.4%	-1.5%	0.3%	0.5%	0.5%
June Forecast	259.2	272.3	279.4	281.0	280.1	279.7	280.7
Percent Change	-4.6%	5.1%	2.6%	0.6%	-0.3%	-0.1%	0.4%
Construction Employment (Thousands)							
September Forecast	223.4	234.8	226.6	224.6	225.7	229.4	233.1
Percent Change	4.5%	5.1%	-3.5%	-0.9%	0.5%	1.7%	1.6%
June Forecast	223.4	233.1	231.4	233.8	235.7	238.3	240.2
Percent Change	4.5%	4.4%	-0.7%	1.0%	0.8%	1.1%	0.8%
Housing Permits (Thousands)							
September Forecast	56.9	53.2	45.2	47.1	47.5	46.6	46.0
Percent Change	29.2%	-6.6%	-15.1%	4.2%	0.9%	-1.9%	-1.2%
June Forecast	56.2	52.2	48.5	48.9	48.2	47.3	46.3
Percent Change	27.5%	-7.1%	-7.1%	0.9%	-1.5%	-1.9%	-1.9%