

# Appendix B: CBO's Economic Projections for 2023 to 2033

The tables in this appendix show the Congressional Budget Office's economic projections for each year from 2023 to 2033. For the projections by calendar year, see Table B-1; for the projections by fiscal year, see Table B-2.

Table B-1.

## CBO's Economic Projections, by Calendar Year

Percent

	Actual, 2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
		<b>Change From Year to Year</b>										
Gross Domestic Product												
Real <sup>a</sup>	2.1	0.3	1.8	2.7	2.4	2.3	2.0	1.9	1.9	1.8	1.8	1.7
Nominal	9.2	4.0	4.4	4.9	4.5	4.3	4.0	3.9	3.9	3.8	3.8	3.7
Inflation												
PCE price index	6.2	3.8	2.7	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	1.9
Core PCE price index <sup>b</sup>	5.0	3.8	2.9	2.5	2.3	2.1	2.1	2.0	2.0	2.0	2.0	2.0
Consumer price index <sup>c</sup>	8.0	4.8	3.0	2.2	2.1	2.1	2.2	2.3	2.3	2.3	2.3	2.3
Core consumer price index <sup>b</sup>	6.1	4.9	3.3	2.5	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3
GDP price index	7.0	3.7	2.5	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	1.9
Employment Cost Index <sup>d</sup>	5.3	4.9	4.0	3.6	3.4	3.3	3.3	3.2	3.2	3.2	3.2	3.1
		<b>Calendar Year Average</b>										
Unemployment Rate	3.6	4.7	4.9	4.7	4.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Payroll Employment (Monthly change, in thousands) <sup>e</sup>	427	9	66	97	83	77	79	72	64	63	59	63
Interest Rates												
3-month Treasury bills	2.0	4.5	3.2	2.5	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.3
10-year Treasury notes	3.0	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Tax Bases (Percentage of GDP)												
Wages and salaries	43.8	44.3	44.5	44.5	44.4	44.2	44.1	44.1	44.0	44.0	43.9	43.9
Domestic corporate profits <sup>f</sup>	9.7 <sup>g</sup>	7.9	7.5	7.9	8.1	8.2	8.2	8.1	8.0	8.0	7.9	7.9
Tax Bases (Billions of dollars)												
Wages and salaries	11,153	11,719	12,276	12,874	13,432	13,946	14,481	15,039	15,611	16,197	16,791	17,395
Domestic corporate profits <sup>f</sup>	2,466 <sup>g</sup>	2,077	2,063	2,298	2,457	2,599	2,689	2,764	2,846	2,934	3,033	3,131
Nominal GDP (Billions of dollars)	25,461	26,438	27,592	28,947	30,262	31,573	32,843	34,138	35,468	36,832	38,225	39,646

Data source: Congressional Budget Office. See [www.cbo.gov/publication/58848#data](http://www.cbo.gov/publication/58848#data).

Actual values for 2022 reflect data available from the Bureau of Economic Analysis and the Bureau of Labor Statistics in early February 2023. The data contain values for the fourth quarter of 2022, which were not available when CBO developed its current projections.

GDP = gross domestic product; PCE = personal consumption expenditures.

- a. Real values are nominal values that have been adjusted to remove the effects of inflation.
- b. Excludes prices for food and energy.
- c. The consumer price index for all urban consumers.
- d. The employment cost index for wages and salaries of workers in private industry.
- e. The average monthly change is calculated by dividing by 12 the change in nonfarm payrolls from the fourth quarter of one calendar year to the fourth quarter of the next.
- f. Adjusted to remove the effects of tax rules on depreciation allowances and to exclude the effects of changes in prices on the value of inventories.
- g. Estimated value for 2022.

Table B-2.

**CBO's Economic Projections, by Fiscal Year**

Percent

	Actual, 2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
	<b>Change From Year to Year</b>											
Gross Domestic Product												
Real <sup>a</sup>	3.3	0.3	1.2	2.7	2.5	2.3	2.0	1.9	1.9	1.8	1.8	1.8
Nominal	10.4	4.9	3.9	4.9	4.6	4.4	4.1	4.0	3.9	3.9	3.8	3.7
Inflation												
PCE price index	6.3	4.4	2.9	2.3	2.1	2.0	2.0	2.0	2.0	2.0	2.0	1.9
Core PCE price index <sup>b</sup>	5.0	4.2	3.1	2.6	2.4	2.2	2.1	2.0	2.0	2.0	2.0	2.0
Consumer price index <sup>c</sup>	7.9	5.7	3.4	2.3	2.1	2.0	2.2	2.2	2.3	2.3	2.3	2.3
Core consumer price index <sup>b</sup>	5.9	5.4	3.6	2.6	2.3	2.2	2.2	2.3	2.3	2.3	2.3	2.3
GDP price index	6.9	4.6	2.7	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.0	1.9
Employment Cost Index <sup>d</sup>	5.2	5.1	4.2	3.6	3.5	3.4	3.3	3.2	3.2	3.2	3.2	3.2
	<b>Fiscal Year Average</b>											
Unemployment Rate	3.8	4.3	5.0	4.8	4.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Payroll Employment (Monthly change, in thousands) <sup>e</sup>	512	67	52	99	84	78	79	75	65	63	59	63
Interest Rates												
3-month Treasury bills	1.0	4.4	3.6	2.6	2.3	2.2	2.3	2.3	2.3	2.3	2.3	2.3
10-year Treasury notes	2.4	3.8	3.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Tax Bases (Percentage of GDP)												
Wages and salaries	44.0	44.2	44.5	44.5	44.4	44.2	44.1	44.1	44.0	44.0	43.9	43.9
Domestic corporate profits <sup>f</sup>	10.0	8.3	7.4	7.8	8.1	8.2	8.2	8.1	8.0	8.0	7.9	7.9
Tax Bases (Billions of dollars)												
Wages and salaries	10,994	11,593	12,131	12,725	13,299	13,817	14,345	14,898	15,467	16,049	16,641	17,244
Domestic corporate profits <sup>f</sup>	2,492	2,179	2,018	2,244	2,420	2,567	2,670	2,744	2,826	2,910	3,010	3,107
Nominal GDP (Billions of dollars)	25,016	26,238	27,266	28,610	29,932	31,251	32,525	33,811	35,133	36,488	37,874	39,288

Data source: Congressional Budget Office. See [www.cbo.gov/publication/58848#data](http://www.cbo.gov/publication/58848#data).

GDP = gross domestic product; PCE = personal consumption expenditures.

a. Real values are nominal values that have been adjusted to remove the effects of inflation.

b. Excludes prices for food and energy.

c. The consumer price index for all urban consumers.

d. The employment cost index for wages and salaries of workers in private industry.

e. The average monthly change is calculated by dividing by 12 the change in nonfarm payrolls from the fourth quarter of one fiscal year to the fourth quarter of the next.

f. Adjusted to remove the effects of tax rules on depreciation allowances and to exclude the effects of changes in prices on the value of inventories.