

Japanese Economy Monthly Forecast

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Headlines

• Review of latest official data

This forecast reflects data released through the first week of August. Apart from household consumption-related indicators, public works, and balance of payments statistics for June, most basic monthly data needed to estimate 2023 Q2 GDP are now available.

In June, the index of industrial production increased MoM for the first time in two months. As a result, the Q2 index rose by +1.3% QoQ, marking the first QoQ increase in three guarters.

Comparing the April-May averages of household consumption-related indicators with the Q1 averages, the Ministry of Internal Affairs and Communications' real gross consumption trend index remained unchanged (+0.0%). On the other hand, the Bank of Japan's consumption activity index declined -0.3%. Real private consumption remained sluggish in Q2.

In 2023 Q2, planned construction expenditures for dwelling rose by +1.3% relative to the Q1 average, marking the second consecutive quarterly increase. The Q2 index for shipments of capital goods rose by +4.8% QoQ, marking the first increase in three quarters. Public works in April-May average expanded +3.7% over the Q1 average.

In 2023 Q2, real exports increased by +2.7% relative to the Q1 average. On the other hand, real imports decreased by -1.1%. As a result, the contribution of net exports to real GDP growth was positive.

• 2023 Q2 real GDP growth forecast update

APIR's CQM (expenditure side) forecast for real GDP growth in Q2 is +1.2% QoQ, or an annualized +5.0% QoQ. The forecast figure is considerably higher than the market consensus (see Figure 1). Final-demand (GDP excluding changes in inventories and net exports) is forecast to expand by +2.0% QoQ. The QoQ decline in imports made a positive contribution to real GDP growth in Q2.

• 2023 Q2 inflation forecast update

▶ In Q2, the CPI and the core CPI both rose for the seventh consecutive quarter, respectively by +3.4% and +3.2% YoY. The core-core CPI rose by +4.2%, marking the fifth consecutive quarterly increase.

APIR's CQM forecasts for the private final consumption expenditure deflator and the domestic demand deflator are +0.5% and +0.6% QoQ, respectively. Meanwhile, as the terms of trade are expected to improve significantly, we forecast a headline (GDP deflator) inflation rate of +1.6% QoQ in Q2 (see Chart 2).

Fig 1 CQM Forecast: Real GDP Growth Rate Apr-Jun (Q2) 2023 (%, QoQ annualized growth)

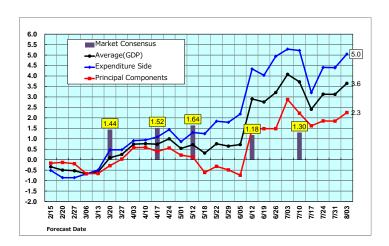
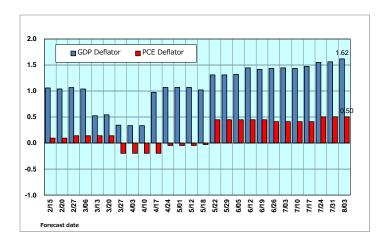


Fig 2 CQM Forecast: Inflation Apr-Jun (Q2) 2023 (%, QoQ growth)



We used the Current Quarter Model (CQM) methodology developed by Professor Emeritus L. R. Klein to create two forecasting models for the Japanese economy: a demand-side model and a production-side (principal component analysis) model. We refer to the forecasts by the former model as the main series, and those by the latter model, as well as the average of both models, as the reference series. Forecasts made using the CQM model are renewed continuously, incorporating the latest weekly data, which makes it possible to determine and trace the impacts of the latest short-term trends on macroeconomic conditions.

Table 1: Main Economic Indicators (latest)

| Re- lease | Data | Economic Indicator | Value/ Index | Change | | |
|--------------|-------|---|-----------------|--------------|----------|--|
| Date | Month | Economic indicator | Score | MoM | YoY | |
| 8/2 | July | Food Buffer Stock (billion JPY) | +12.2 | | +10.7 | |
| 8/1 | July | New Car Sales (vehicles) | 320,997 | | +11.4% | |
| | June | Labor Force Survey | | | | |
| | | Total employment (millions) | 67.55 | +0.19 | | |
| | | Total unemployment (millions) | 1.73 | -0.04 | | |
| | | Unemployment rate (%) | 2.5% | -0.1%pt | | |
| | June | General Job Placement Situation | | | | |
| | | Job offers-to-applicants ratio | 1.30 | - 0.01%pt | | |
| 7/31 | June | Indices of Industrial Production (preliminary figures, 2020=100) | | - | | |
| | | Production | 105.3 | +2.0% | | |
| | | Shipments | 104.8 | +1.5% | | |
| | | Inventories | 105.5 | -0.1% | | |
| | June | Current Survey of Commerce (preliminary figures) | | | | |
| | | Retail trade (billion JPY) | 13,225.0 | -0.4% | +5.9% | |
| | June | New Housing Starts | | | | |
| | | New housing starts (SA, Unit) | 67,600 | -5.9% | -4.8% | |
| | | Planned residential construction expenditure (billon JPY) | 1,418.4 | -3.2% | +11.4% | |
| | May | Construction Costs Deflator (2015=100) | | | | |
| | | Housing construction | 122.9 | | +2.6% | |
| | | Public works | 121.1 | | +3.8% | |
| | | Consumer Confidence Index (SA) | 37.1 | +0.9 | | |
| 7/28 | May | Producer Price Index for Intermediate and Final Demand (2015=100) | | | | |
| | | Capital goods | 105.8 | | +3.7% | |
| | | Consumer goods | 110.8 | | +2.1% | |
| | July | Tokyo Region Consumer Price Index (2020=100) | | | | |
| | | Core | 105.1 | +0.2% | +3.0% | |
| 7/26 | May | Index of Business Conditions (revised, 2015=100) | | | | |
| | | Leading indicators | 109.2 | +1.1 | | |
| | | Coincident indicators | 114.3 | +0.1 | | |
| | | Lagging indicators | 106.9 | +1.3 | | |
| | June | Corporate Services Price Index (2015=100) | | | | |
| | | Overall index | 108.4 | | +1.2% | |
| 7/25 | May | Monthly Labor Statistics (final figures) | | | | |
| | | Gross average salary per worker (JPY) | 284,998 | | +2.9% | |
| | | Total working hours | 133.6 | | +2.0% | |
| 7/21 | June | National Consumer Price Index (2020=100) | | | | |
| | | Core index | 105.0 | +0.4% | +3.3% | |
| 7/20 | June | Trade Statistics (customs clearance level) | | | | |
| | | Trade balance (billion JPY) | 43.0 | -28.2% | +1,418.0 | |
| | | Exports (billion JPY) | 8,744.1 | +3.3% | +1.5% | |
| | | Imports (billion JPY) | 8,701.0 | +0.5% | -12.9% | |
| 7/18 | May | Tertiary Industry Activity Index (2015=100) | 102.0 | +1.2% | | |

| | May | General Construction Statistics | | | |
|------|------|---|---------|--------|---------|
| | | Private non-residential construction (billion JPY) | 895.4 | | +6.2% |
| | | Public works (billion JPY) | 1,427.5 | | +9.6% |
| 7/14 | May | Indices of Industrial Production (final figures, 2020=100) | | | |
| | | Production | 103.2 | -2.2% | |
| | | Shipments | 103.3 | -1.1% | |
| | | Inventory | 105.6 | +1.8% | |
| | | Production capacity index | 98.3 | | 0.0% |
| | | Capacity utilization ratio | 104.1 | -6.3% | |
| | June | Public Works Advanced Securities Statistics | | | |
| | | Contract amount (billion JPY) | 1,815.1 | | +9.9% |
| | | Number of contracts | 25,934 | | +3.7% |
| 7/12 | May | Private Core Machinery Orders (billion JPY) | 831.5 | -7.6% | |
| | June | Domestic Corporate Price Index (2020=100) | | | |
| | | Corporate Price | 119.0 | -0.7% | +5.1% |
| | | Export Price | 130.3 | +1.1% | +0.4% |
| | | Import Price | 157.9 | -1.2% | -11.3% |
| 7/10 | May | Information Services Industry Sales (billion JPY) | 1,155.2 | | +8.3% |
| | June | Economy Watchers Survey | | | |
| | | Current Conditions Diffusion Index | 53.6 | -1.4 | |
| | | Future Conditions Diffusion Index | 52.8 | -1.6 | |
| | May | Balance of Payments | | | |
| | | Current account (billion JPY) | 1,862.4 | -10.4% | +140.8% |
| | | Exports (billion JPY) | 7,241.2 | -6.1% | -2.8% |
| | | Imports (billion JPY) | 8,427.9 | -4.7% | -10.2% |
| 7/7 | May | Monthly Labor Statistics (preliminary figures) | | | |
| | | Gross average salary per worker (JPY) | 283,868 | | +2.5% |
| | | Total working hours | 133.5 | | +1.9% |
| | May | Family Income and Expenditure Survey (households with 2 or more people) | | | |
| | | Nominal consumption expenditure (JPY) | 286,443 | -1.0% | -0.4% |
| | | Real consumption expenditure | | -1.1% | -4.0% |
| | May | Consumption Trend Index (2020=100) | 103.9 | -0.1% | |
| | May | Consumption Activity Index (2015=100) | 97.8 | +0.8% | |
| | May | Index of Business Conditions (preliminary figures, 2015=100) | | | |
| | | Leading indicators | 109.5 | +1.4 | |
| | | Coincident indicators | 113.8 | -0.4 | |
| | | Lagging indicators | 105.5 | +0.6 | |

Table 2: CQM Forecast: GDP Tracking

| | Real GDP Deflator | | | tor | Real GDP | | | Deflator | | Real GDP | | | Deflator | | |
|------------------|-------------------|-----------------------|---------|------------|------------|-------------------|-----------------------|----------|-----|----------|-------------------|--------------------------|----------|-----|-----|
| Forecast date | Expenditur e side | Production side (PCA) | Average | GDP | PCE | Expenditur e side | Production side (PCA) | Average | GDP | PCE | Expenditur e side | Production side (PCA) | Average | GDP | PCE |
| date | | | 2023Q1 | | | | | 2023Q2 | | | | | 2023Q3 | | |
| | | SAAR (%) | | QoQ (| %) | | SAAR (%) | | QoQ | (%) | | SAAR (%) | | QoQ | (%) |
| 2/15 | 0.5 | -2.4 | -1.0 | 2.2 | 0.5 | -0.5 | -0.2 | -0.3 | 1.1 | 0.1 | | | | | |
| 2/20 | -0.4 | -4.0 | -2.2 | 2.2 | 0.5 | -0.9 | -0.1 | -0.5 | 1.0 | 0.1 | | | | | |
| 2/27 | -0.4 | -4.5 | -2.4 | 2.4 | 0.9 | -0.9 | -0.2 | -0.5 | 1.1 | 0.1 | | | | | |
| 3/06 | -1.3 | -5.1 | -3.2 | 2.4 | 0.9 | -0.7 | -0.7 | -0.7 | 1.0 | 0.1 | | | | | |
| 3/09 | | | | | | | | | | | | | | | |
| 3/13 | -3.0 | -5.4 | -4.2 | 2.3 | 0.9 | -0.5 | -0.7 | -0.6 | 0.5 | 0.1 | | | | | |
| 3/20 | -0.4 | -4.3 | -2.3 | 2.4 | 0.9 | 0.5 | -0.3 | 0.1 | 0.5 | 0.1 | | | | | |
| 3/27 | -0.4 | -3.7 | -2.0 | 2.0 | 0.3 | 0.5 | 0.0 | 0.2 | 0.3 | -0.2 | | | | | |
| 4/03 | -0.3 | -1.2 | -0.8 | 2.0 | 0.3 | 0.9 | 0.6 | 0.7 | 0.3 | -0.2 | | | | | |
| 4/10 | -0.5 | -0.4 | -0.5 | 2.0 | 0.3 | 0.9 | 0.6 | 0.8 | 0.3 | -0.2 | | | | | |
| 4/17 | -1.1 | -0.6 | -0.8 | 2.1 | 0.3 | 1.1 | 0.4 | 0.7 | 1.0 | -0.2 | | | | | |
| 4/24 | 0.1 | -0.7 | -0.3 | 2.2 | 0.4 | 1.4 | 0.6 | 1.0 | 1.1 | -0.0 | | | | | |
| 5/01 | 0.5 | -0.2 | 0.1 | 2.2 | 0.4 | 0.9 | 0.2 | 0.5 | 1.1 | -0.0 | | | | | |
| 5/12 | 0.5 | -0.7 | -0.1 | 2.2 | 0.4 | 1.3 | 0.1 | 0.7 | 1.1 | -0.0 | | | | | |
| 5/17 | <u>1.6</u> | | | <u>1.3</u> | <u>1.1</u> | | | | | | | | | | |
| 5/18 | | | | | | 1.2 | | 0.3 | 0.0 | 0.0 | | | 1.3 | 0.4 | 0.0 |
| 5/22 | | | | | | 1.8 | -0.3 | 0.8 | 1.0 | -0.0 | 3.4 | -0.5 | 1.4 | 0.4 | 0.1 |
| 5/29 | | | | | | 1.8 | -0.5 | 0.7 | 1.3 | 0.4 | 3.3 | -0.6 | 1.4 | 0.4 | 0.1 |
| 6/05 | | | | | | 2.2 | -0.7 | 0.7 | 1.3 | 0.4 | 2.7 | -0.2 | 1.2 | 0.4 | 0.1 |
| 6/08 | 2.7* | | | 1.3* | 1.2* | | | | | | | | | | |
| 6/12 | | | | | | 4.3 | 1.5 | 2.9 | 1.4 | 0.4 | 2.1 | -0.0 | 1.0 | 0.4 | 0.1 |
| 6/19 | | | | | | 4.0 | 1.5 | 2.8 | 1.4 | 0.4 | 1.2 | 0.1 | 0.7 | 0.1 | 0.1 |
| 6/26 | | | | | | 4.9 | 1.5 | 3.2 | 1.4 | 0.4 | -0.1 | -0.1 | -0.1 | 0.2 | 0.1 |
| 7/03 | | | | | | 5.3 | 2.9 | 4.1 | 1.4 | 0.4 | 1.7 | 0.1 | 0.9 | 0.1 | 0.1 |
| 7/10 | | | | | | 5.2 | 2.2 | 3.7 | 1.4 | 0.4 | 1.8 | 0.1 | 0.9 | 0.1 | 0.1 |
| 7/17 | 1 | | | | | 3.2 | 1.6 | 2.4 | 1.5 | 0.4 | 1.4 | -0.2 | 0.6 | 0.5 | 0.1 |
| 7/24 | | | | | | 4.4 | 1.9 | 3.1 | 1.6 | 0.5 | 3.8 | -0.0 | 1.9 | 0.6 | 0.3 |
| 7/31 | | | | | | 4.4 | 1.8 | 3.1 | 1.6 | 0.5 | 3.8 | -0.0 | 1.9 | 0.6 | 0.3 |
| 8/03 | | | | | | 5.0 | 2.3 | 3.6 | 1.6 | 0.5 | 2.7 | 0.3 | 1.5 | 0.7 | 0.3 |

Note: Underlined figures are 1st preliminary estimates, and figures marked by * are 2nd preliminary estimates.

Table 3-1: Gross Domestic Product at Chained 2015 Price: Y Billion

| | | | | | 0)/ | | 5 / | | |
|--------------------------------|-----------|-----------|------------|-------------|-----------|-----------|-------------|-------------|---------|
| | Quarterly | | | Forecast | | CY | | FY | |
| 000/005 | 2022Q3 | 2022Q4 | 2023Q1 | 2023Q2 | 2023Q3 | 2022 | 2023 | 2021 | 2022 |
| GDP/GDE | | | | | | | | | |
| Gross Domestic Products | 546,741 | 547,307 | 551,001 | 557,825 | 561,494 | 545,956 | 557,863 | 541,037 | 548,537 |
| Private Consumption | 294,919 | 295,556 | 297,091 | 296,998 | 297,529 | 293,793 | 297,378 | 288,680 | 295,644 |
| Residential Investment | 17,794 | 17,814 | 17,803 | 18,012 | 18,301 | 17,924 | 18,155 | 18,649 | 17,823 |
| Nonresidential Investment | 90,149 | 89,625 | 90,861 | 92,818 | 93,130 | 88,757 | 92,581 | 87,181 | 89,927 |
| Change in Private Inventory | 2,904 | 717 | 2,658 | 3,206 | 2,362 | 2,448 | 2,208 | 1,196 | 2,393 |
| Government Consumption | 118,976 | 119,189 | 119,328 | 119,626 | 120,133 | 118,818 | 119,932 | 117,817 | 119,111 |
| Public Investment | 26,699 | 26,703 | 27,112 | 27,462 | 27,985 | 26,527 | 27,598 | 27,563 | 26,749 |
| Change in Public Inventory | -255 | -35 | -80 | -155 | -133 | -103 | -124 | -67 | -107 |
| Net Exports | -3,774 | -1,501 | -3,647 | -16 | 2,313 | -1,596 | 261 | 499 | -2,327 |
| Exports of Goods & Services | 109,221 | 111,447 | 106,714 | 108,925 | 110,703 | 108,069 | 109,365 | 103,884 | 108,454 |
| Imports of Goods & Services | 112,996 | 112,949 | 110,361 | 108,941 | 108,390 | 109,664 | 109,103 | 103,385 | 110,781 |
| Gross National Income | 561,388 | 566,727 | 566,983 | 575,108 | 581,635 | 563,358 | 576,218 | 562,417 | 565,254 |
| Memo: | | | | | | | | | |
| Total Demand | 659,737 | 660,256 | 661,362 | 666,766 | 669,884 | 655,620 | 666,967 | 644,421 | 659,318 |
| | | | | | | | | | |
| | Upper Row | : % chang | e from the | previous qu | arter Low | er Row: % | change froi | n a year ea | rlier |
| Gross Domestic Products | -0.4 | 0.1 | 0.7 | 1.2 | 0.7 | | | | |
| SAAR | -1.5 | 0.4 | 2.7 | 5.0 | 2.7 | | | | |
| % Change Year Ago | 1.6 | 0.4 | 1.8 | 1.7 | 2.7 | 1.0 | 2.2 | 2.6 | 1.4 |
| Private Consumption | 0.1 | 0.2 | 0.5 | 0.0 | 0.2 | | | | |
| % Change Year Ago | 3.7 | 0.8 | 2.5 | 0.8 | 0.9 | 2.0 | 1.2 | 1.5 | 2.4 |
| Residential Investment | -0.5 | 0.1 | -0.1 | 1.2 | 1.6 | | | | |
| % Change Year Ago | -5.2 | -3.9 | -2.2 | 0.7 | 2.8 | -4.6 | 1.3 | -1.1 | -4.4 |
| Nonresidential Investment | 1.5 | -0.6 | 1.4 | 2.2 | 0.3 | | | | |
| % Change Year Ago | 4.0 | 2.8 | 4.5 | 4.5 | 3.3 | 1.8 | 4.3 | 2.1 | 3.1 |
| Government Consumption | 0.0 | 0.2 | 0.1 | 0.2 | 0.4 | | | | |
| % Change Year Ago | 0.3 | 1.6 | 1.0 | 0.6 | 1.0 | 1.5 | 0.9 | 3.4 | 1.1 |
| Public Investment | 0.9 | 0.0 | 1.5 | 1.3 | 1.9 | | | | |
| % Change Year Ago | -5.2 | -2.2 | 3.2 | 3.8 | 4.8 | -7.0 | 4.0 | -6.4 | -3.0 |
| Exports of Goods & Services | 2.5 | 2.0 | -4.2 | 2.1 | 1.6 | | | 0 | 0.0 |
| % Change Year Ago | 5.8 | 7.4 | 1.6 | 2.2 | 1.4 | 5.1 | 1.2 | 12.4 | 4.4 |
| Imports of Goods & Services | 5.6 | 0.0 | -2.3 | -1.3 | -0.5 | 0.1 | | 12.1 | |
| % Change Year Ago | 10.9 | 10.5 | 4.1 | 1.8 | -4.1 | 8.0 | -0.5 | 7.1 | 7.2 |
| Gross National Income | -0.7 | 1.0 | 0.0 | 1.4 | 1.1 | 0.0 | 0.0 | 7.1 | 7.2 |
| SAAR | -2.7 | 3.9 | 0.2 | 5.9 | 4.6 | | | | |
| % Change Year Ago | 0.4 | 0.6 | 1.0 | 1.8 | 3.6 | 0.2 | 2.3 | 2.2 | 0.5 |
| Total Demand | 0.6 | 0.0 | 0.2 | 0.8 | 0.5 | 0.2 | 2.0 | 2.2 | 0.0 |
| SAAR | 2.5 | 0.1 | 0.7 | 3.3 | 1.9 | | | | |
| % Change Year Ago | 0.0 | 13.5 | 2.2 | 1.7 | 1.5 | 2.1 | 1.7 | 3.3 | 2.3 |
| Contribution to GDP Grow th Ra | | 13.3 | ۷.۷ | 1.7 | 1.5 | ۷.۱ | 1.7 | 3.3 | 2.3 |
| Domestic Demand | 0.3 | -0.3 | 1.0 | 0.6 | 0.2 | 1.6 | 1.8 | 1.8 | 1.9 |
| | | | | | | | | | |
| Private Demand Public demand | 0.2 | -0.4 | 0.9 | 0.5 | 0.1 | 1.7 | 1.4 | 1.4 | 1.9 |
| | 0.0 | 0.1 | 0.1 | 0.1 | 0.2 | -0.1 | 0.4 | 0.4 | 0.1 |
| Net Exports | -0.6 | 0.4 | -0.3 | 0.7 | 0.4 | -0.5 | 0.4 | 0.8 | -0.5 |

Table 3-2: Gross Domestic Product at Current Prices: Y Billion

| | Quarterly | | | Forecast | | CY | | | |
|--|-----------|---------|---------|----------------|---------|-----------|----------------|----------------|----------------|
| | 2022Q3 | 2022Q4 | 2023Q1 | 2023Q2 | 2023Q3 | 2022 | 2023 | FY 2021 | 2022 |
| GDP/GDE | 202200 | 2022Q4 | 2023Q1 | 2023Q2 | 202303 | 2022 | 2023 | 2021 | 2022 |
| Gross Domestic Products | 554,348 | 560,760 | 571,987 | 588,424 | 596,310 | 556,553 | 588,514 | 550,664 | 561,884 |
| Private Consumption | 310,113 | 312,921 | 318,236 | 319,748 | 321,112 | 308,448 | 320,240 | 296,323 | 312,640 |
| Residential Investment | 21,188 | 21,195 | 21,087 | 21,465 | 21,752 | 21,216 | 21,554 | 21,129 | 21,168 |
| Nonresidential Investment | 96,737 | 96,996 | 98,439 | 101,791 | 102,781 | 94,563 | 101,696 | 90,082 | 96,727 |
| | 3,721 | 1,010 | 2,237 | 2,415 | 1,294 | 2,942 | 1,377 | 1,123 | 2,751 |
| Change in Private Inventory Government Consumption | 121,970 | 122,612 | 123,271 | 124,108 | 124,631 | 121,198 | 124,288 | 118,968 | 121,951 |
| Public Investment | | 30,282 | 30,746 | | | | | | |
| | 30,105 | , | | 31,745 -280 | 31,947 | 29,688 | 31,587 -207 | 29,807 | 30,206 -247 |
| Change in Public Inventory | -865 | -11 | -25 | | | -254 | | -90 | |
| Net Exports | -28,620 | -24,245 | -22,005 | -12,568 | -6,945 | -21,249 | -12,021 | -6,679 | -23,312 |
| Exports of Goods & Services | | 128,058 | 119,296 | 122,518 | 124,789 | 120,233 | 122,923 | 103,819 | 122,700 |
| Imports of Goods & Services | | 152,303 | 141,302 | 135,086 | 131,734 | 141,482 | 134,944 | 110,497 | 146,012 |
| Gross National Income | 589,981 | 600,494 | 604,770 | 618,607 | 627,244 | 591,605 | 619,663 | 579,692 | 597,268 |
| Memo: | | | | | | | | | |
| Total Demand | 708,051 | 713,063 | 713,289 | 723,510 | 728,044 | 698,035 | 723,458 | 661,161 | 707,896 |
| Compensation of Employee | 294,880 | 296,164 | 296,550 | 300,343 | 300,580 | 294,492 | 299,585 | 289,508 | 295,376 |
| | | | | | | | | | |
| | | | | previous qu | | er Row: % | change froi | n a year ea | rlier |
| Gross Domestic Products | -0.9 | 1.2 | 2.0 | 2.9 | 1.3 | | | | |
| SAAR | -3.6 | 4.7 | 8.3 | 12.0 | 5.5 | | | | |
| % Change Year Ago | 1.2 | 1.6 | 3.5 | 5.2 | 7.6 | 1.3 | 5.7 | 2.4 | 2.0 |
| Private Consumption | 0.4 | 0.9 | 1.7 | 0.5 | 0.4 | | | | |
| % Change Year Ago | 6.7 | 4.4 | 5.6 | 3.5 | 3.5 | 4.9 | 3.8 | 2.7 | 5.5 |
| Residential Investment | -0.1 | 0.0 | -0.5 | 1.8 | 1.3 | | | | |
| % Change Year Ago | 0.3 | -0.6 | -0.9 | 1.2 | 2.7 | 1.9 | 1.6 | 6.3 | 0.2 |
| Nonresidential Investment | 2.6 | 0.3 | 1.5 | 3.4 | 1.0 | | | | |
| % Change Year Ago | 8.7 | 7.4 | 8.2 | 8.0 | 6.2 | 5.9 | 7.5 | 4.7 | 7.4 |
| Government Consumption | 1.6 | 0.5 | 0.5 | 0.7 | 0.4 | | | | |
| % Change Year Ago | 1.8 | 3.4 | 2.5 | 3.4 | 2.2 | 3.0 | 2.5 | 4.5 | 2.5 |
| Public Investment | 1.9 | 0.6 | 1.5 | 3.2 | 0.6 | | | | |
| % Change Year Ago | -0.5 | 2.1 | 6.7 | 7.4 | 6.1 | -2.7 | 6.4 | -3.3 | 1.3 |
| Exports of Goods & Services | 5.6 | 2.4 | -6.8 | 2.7 | 1.9 | | | | |
| % Change Year Ago | 23.3 | 22.1 | 9.1 | 3.5 | -0.2 | 20.0 | 2.2 | 23.0 | 18.2 |
| Imports of Goods & Services | 12.2 | -0.9 | -7.2 | -4.4 | -2.5 | | | | |
| % Change Year Ago | 45.8 | 34.5 | 15.1 | -1.4 | -14.3 | 37.3 | -4.6 | 30.3 | 32.1 |
| Gross National Income | -0.4 | 1.8 | 0.7 | 2.3 | 1.4 | | | | |
| SAAR | -1.6 | 7.3 | 2.9 | 9.5 | 5.7 | | | | |
| % Change Year Ago | 2.7 | 3.5 | 3.4 | 4.4 | 6.3 | 2.7 | 4.7 | 4.0 | 3.0 |
| Memo: | | | | | | | | | |
| Total Demand | 1.7 | 0.7 | 0.0 | 1.4 | 0.6 | | | | |
| SAAR | 6.9 | 2.9 | 0.1 | 5.9 | 2.5 | | | | |
| % Change Year Ago | 0.0 | 29.7 | 5.6 | 3.9 | 2.8 | 0.0 | 7.0 | 0.0 | 6.2 |
| Compensation of Employee | 0.3 | 0.4 | 0.1 | 1.3 | 0.1 | | | | |
| % Change Year Ago | 2.0 | 2.5 | 1.4 | 2.2 | 1.9 | 2.0 | 1.7 | 2.1 | 2.0 |

Table 3-3: Deflator: 2015=100

| | Quarterly | | | Forecast | | CY | | FY | |
|-----------------------------|-----------|------------|------------|-------------|-----------|-----------|------------|-------------|-------|
| | 2022Q3 | 2022Q4 | 2023Q1 | 2023Q2 | 2023Q3 | 2022 | 2023 | 2021 | 2022 |
| GDP/GDE | | | | | | | | | |
| Gross Domestic Products | 101.4 | 102.5 | 103.8 | 105.5 | 106.2 | 101.9 | 105.5 | 101.8 | 102.4 |
| Private Consumption | 105.2 | 105.9 | 107.1 | 107.7 | 107.9 | 105.0 | 107.7 | 102.6 | 105.7 |
| Residential Investment | 119.1 | 119.0 | 118.5 | 119.2 | 118.9 | 118.4 | 118.7 | 113.3 | 118.8 |
| Nonresidential Investment | 107.3 | 108.2 | 108.3 | 109.7 | 110.4 | 106.6 | 109.8 | 103.3 | 107.5 |
| Government Consumption | 102.5 | 102.9 | 103.3 | 103.8 | 103.7 | 102.0 | 103.6 | 101.0 | 102.4 |
| Public Investment | 112.8 | 113.4 | 113.4 | 115.6 | 114.2 | 111.9 | 114.5 | 108.0 | 112.8 |
| Exports of Goods & Services | 114.5 | 114.9 | 111.8 | 112.5 | 112.7 | 111.2 | 112.4 | 99.9 | 113.1 |
| Imports of Goods & Services | 136.0 | 134.8 | 128.0 | 124.0 | 121.5 | 128.8 | 123.7 | 106.8 | 131.8 |
| Unit Profit | 103.0 | 104.9 | 108.5 | 112.1 | 114.3 | 104.2 | 112.4 | 104.7 | 105.4 |
| Unit Labor Cost | 100.1 | 100.4 | 99.9 | 99.9 | 99.3 | 100.1 | 99.7 | 99.3 | 99.9 |
| | | | | | | | | | |
| | Upper Row | : % change | e from the | previous qu | arter Low | er Row: % | change fro | m a year ea | rlier |
| Gross Domestic Products | -0.5 | 1.1 | 1.3 | 1.6 | 0.7 | | | | |
| | -0.3 | 1.2 | 1.7 | 3.5 | 4.7 | 0.2 | 3.5 | -0.2 | 0.6 |
| Private Consumption | 0.3 | 0.7 | 1.2 | 0.5 | 0.3 | | | | |
| | 2.9 | 3.5 | 3.0 | 2.7 | 2.6 | 2.8 | 2.6 | 1.2 | 3.0 |
| Residential Investment | 0.4 | -0.1 | -0.4 | 0.6 | -0.3 | | | | |
| | 5.8 | 3.4 | 1.4 | 0.5 | -0.2 | 6.9 | 0.3 | 7.5 | 4.8 |
| Nonresidential Investment | 1.1 | 0.9 | 0.1 | 1.2 | 0.6 | | | | |
| | 4.4 | 4.4 | 3.6 | 3.3 | 2.9 | 4.0 | 3.0 | 2.6 | 4.1 |
| Government Consumption | 1.6 | 0.4 | 0.4 | 0.4 | 0.0 | | | | |
| | 1.5 | 1.8 | 1.5 | 2.8 | 1.2 | 1.4 | 1.6 | 1.1 | 1.4 |
| Public Investment | 1.0 | 0.6 | 0.0 | 1.9 | -1.2 | | | | |
| | 4.9 | 4.3 | 3.4 | 3.5 | 1.2 | 4.7 | 2.3 | 3.3 | 4.4 |
| Exports of Goods & Services | 3.1 | 0.3 | -2.7 | 0.6 | 0.2 | | | | |
| | 16.5 | 13.7 | 7.4 | 1.3 | -1.6 | 14.1 | 1.1 | 9.5 | 13.2 |
| Imports of Goods & Services | 6.3 | -0.9 | -5.1 | -3.2 | -2.0 | | | | |
| | 31.4 | 21.7 | 10.5 | -3.1 | -10.7 | 27.1 | -4.0 | 21.6 | 23.4 |
| Unit Profit | 0.0 | 1.9 | 3.4 | 3.3 | 2.0 | | | | |
| | 0.0 | 4.5 | 4.1 | 6.8 | 11.0 | -0.5 | 7.9 | 0.2 | 0.7 |
| Unit Labor Cost | 0.0 | 0.3 | -0.5 | 0.0 | -0.6 | | | | |
| | 0.0 | 14.6 | -0.4 | 0.5 | -0.7 | 0.9 | -0.4 | -0.5 | 0.6 |