Maine Economic Indicators

April 2024



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Office of the State Economist

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Maine Economic Indicators is a monthly report assembled by the Office of the State Economist that provides a synopsis of current economic trends and indicators for the state in comparison to New England and the United States. The intent of this report is to provide the public with a single document containing data aggregated from different sources typically used to track current economic and demographic conditions in the state.

The appendix provides comprehensive information related to the data presented herein. Data included in this report are assembled from various sources, subject to frequent revision, and provided in this report "as is" at the time of publication. Therefore, data presented in this report are subject to change over time.

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1 Snapshot

Indicators in this section provide a summary of Maine's current economic status. Figures for Maine are compared to New England and the United States. Sources are given in the appendix.

Reference			New	United
Period		Maine	England	States
2023	Total population	1,395,722	15,159,777	334,914,895
2022-2023	Annual population percent change	0.5%	0.3%	0.5%
2020-2023	Cumulative population percent change	2.4%	0.3%	1.0%
2022	Average earnings per job	\$61,708	\$80,905	\$71,586
2021-2022	Average earnings per job percent change	4.2%	1.0%	1.7%
March 2024	Unemployment rate	3.3%	3.3%	3.8%
March 2024	Total private nonfarm employment	554,400	6,630,500	134,863,000
March 2024	Labor Force	693,200	8,068,900	167,895,000
March 2024	Labor Force Participation Rate	59.3%	N/A	62.7%

Annualized Percent Change from the previous quarter and Compound Annual Growth Rate (CAGR)

Real GDP	2023:Q1	2023:Q2	2023:Q3	2023:Q4	2023:Q1- 2023:Q4
Maine	-0.9	0.6	4.9	4.4	3.3
New England	-1.4	1.8	4.7	3.2	3.2
United States	2.2	2.1	4.9	3.4	3.4
Total Personal Income	2023:Q1	2023:Q2	2023:Q3	2023:Q4	2023:Q1- 2023:Q4
Maine	11.9	-2.2	3.1	4.7	1.9
New England	3.6	3.0	2.2	4.1	3.1
United States	6.8	4.0	3.9	4.0	4.0
Per Capita Personal Income	2023:Q1	2023:Q2	2023:Q3	2023:Q4	2023:Q1- 2023:Q4
Maine	11.5	-2.6	2.6	4.2	1.3
New England	3.5	2.7	1.9	3.8	2.8
United States	6.3	3.5	3.2	3.4	3.4
Wages & Salaries	2023:Q1	2023:Q2	2023:Q3	2023:Q4	2023:Q1- 2023:Q4
Maine	5.6	6.6	5.3	5.1	5.6
New England	6.0	3.7	3.0	3.9	3.5
United States	9.1	6.0	6.4	4.5	5.6

2 Annual Indicators

Indicators summarized below are updated annually on various release dates and provide a general summary of Maine's demographic and economic status.

Reference Period		Maine	New England	United States
2023	Total population	1,395,722	15,159,777	334,914,895
2022-2023	Annual population percent change	0.5%	0.3%	0.5%
2020-2023	Cumulative population percent change	2.4%	0.3%	1.0%
2023	Births	11,945	142,522	3,653,356
2023	Deaths	16,998	142,818	3,148,861
2023	Net migration	11,425	39,037	1,138,989
2022-2023	Annual rate of total net migration, per thousand (Maine ranks 9 th in the U.S.)	8.2	2.6	3.4
2022	Median age, years (American Community Survey)	45.1	41.2	39.0
2022	Associate degree: percent of population age 25 and above	10.7%	8.1%	8.8%
2022	Bachelor's degree: percent of population age 25 and above	22.3%	24.3%	21.6%
2022	Graduate or professional degree: percent of population age 25 and above	13.8%	19.1%	14.0%
2022	Percent of population below poverty level	10.8%	10.0%	12.6%
2022	Median family income	\$88,063	\$111,960	\$92,148
2022	Median household income	\$69,543	\$87,451	\$74,755
2022	Per capita personal consumption expenditures	\$55,789	\$61,033	\$52,542
2023	Per capita disposable personal income	\$56,489	\$70,349	\$60,299

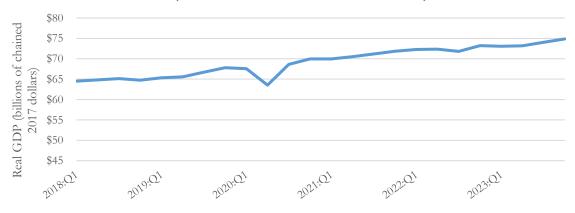
3 Quarterly and Monthly Indicators

3.1 Gross Domestic Product (GDP)

Maine's real GDP grew 4.4% at an annualized rate in the fourth quarter of 2023, ranking 11th in the U.S. (growth of 3.4%) and first in New England (growth of 3.2%). The industry sectors that contributed the most to Maine's fourth quarter growth were retail trade (+0.97 percentage points); agriculture, forestry, fishing, and hunting (+0.75 percentage points); nondurable goods (+0.72 percentage points); and health care and social assistance (+0.61 percentage points). These gains were partially offset by declines in some industries, including wholesale trade (-0.19 percentage points); administrative and support and waste management and remediation (-0.15 percentage points), and arts, entertainment, and recreation (-0.14 percentage points).

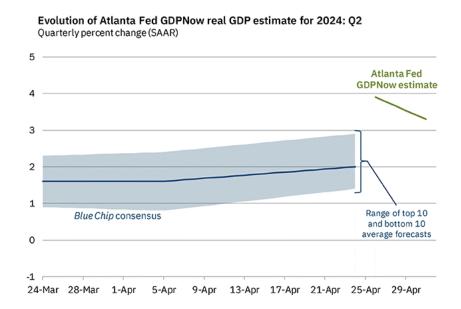
2023:Q4	Maine	United States
Nominal GDP (Current dollars)	\$93.1 billion	\$28.0 trillion
Real GDP (Chained 2017 Dollars)	\$74.9 billion	\$22.7 trillion

Real GDP (billions of chained 2017 dollars) - Maine



3.1.1 GDP Now from the Federal Reserve Bank of Atlanta

GDPNow, which is reported by the Atlanta Fed, is "a running estimate of real GDP growth based on available data for the current quarter." This model uses a similar methodology to the one used by the U.S. Bureau of Economic Analysis in their official GDP estimates and is revised each time the monthly source data is updated. The nowcast estimate for 2024:Q2 as of May 1, is that U.S. real GDP will **increase by 3.3 percent** at an annual rate.

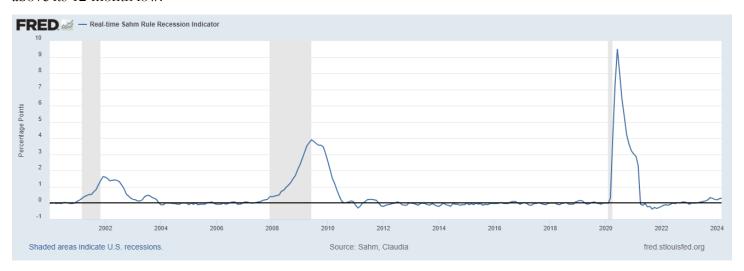


3.2 Recession Indicators

NBER is the primary source in the United States that declares when recessions begin and end and defines a recession as a significant decline in economic activity that is spread across the economy and lasts more than a few months. Other recession indicators are used to estimate business cycles in real time but are not official sources for when recessions begin and end.

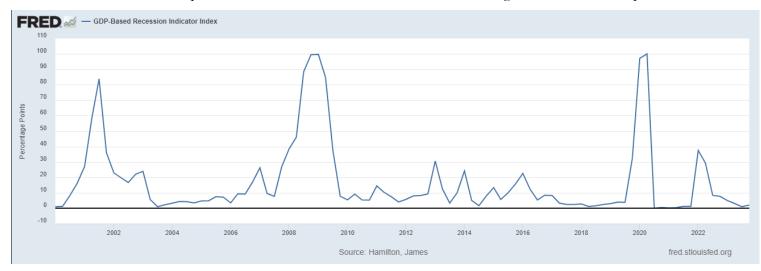
3.2.1 Real-time Sahm Rule Recession Indicator

The Real-time Sahm Rule Recession Indicator¹ signals a recession when the 3-month moving average of the national unemployment rate (U3) rises by at least 0.5 percentage points relative to its low in the previous 12 months. In March 2024, this indicator showed that the three-month average of national U3 was 0.30 percentage points above its 12-month low.



3.2.2 GDP-Based Recession Indicator Index

The GDP-Based Recession Indicator Index² is 2.0 percentage points (2023:Q4), up from 0.9 in the second quarter of 2023. The index ranges from 0 to 100, and values above 67 provide a historically reliable indicator that the economy is in recession. This index is calculated with a one quarter lag, which allows for extra insight and accounts for data revisions to make dependable inference. Therefore, the index does not get revised once it is published.



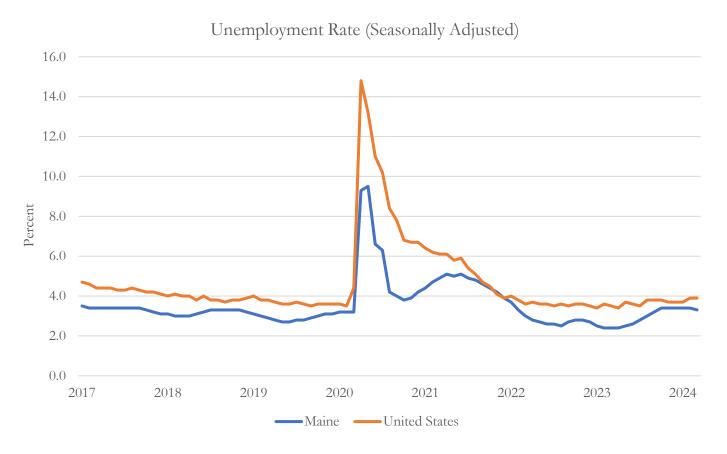
¹ Created by Dr. Claudia Sahm, Federal Reserve Board of Governors

² Created by Dr. James Hamilton, University of California San Diego

3.3 Labor Markets³

3.3.1 Unemployment Rate March 2024: 3.3%

Maine's seasonally adjusted unemployment rate was 3.3% in March, down from 3.4% in February. Maine's 3-month average unemployment rate from January to March was 3.4%, unchanged from the prior three months. Maine's unemployment rate has been trending below the U.S. unemployment rate since early 2022 and is equivalent to the New England rate of 3.3%.



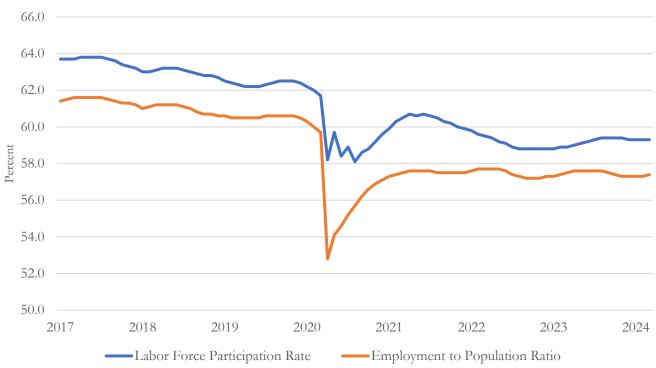
3.3.2 <u>Labor Force Participation Rate March 2024: 59.3%</u>

Labor force participation (LFP) was 59.3% in March, unchanged from February.

The employment to population ratio (EPOP), an alternative measure of labor market activity which measures the total number of employed working-age adults divided by the total working-age population, was 57.4% in March, up from 57.3% in February.

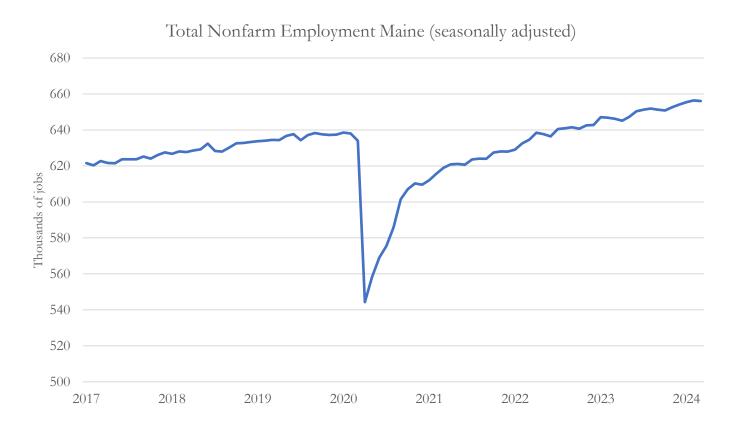
³ The data for unemployment rates and labor force are derived from the Local Area Unemployment Statistics (LAUS) program and data for nonfarm payroll jobs are derived from the Current Employment Statistics (CES) program. The numbers presented below are estimates which vary month to month in either direction and are subject to substantial revision. The Maine Department of Labor cautions users to analyze general trends over several months as opposed to making conclusions based on changes month to month.





3.3.3 Total Nonfarm Payroll Job Estimates March 2024: 656,100

Seasonally adjusted nonfarm jobs decreased by 300 to 656,100 in March. On an annual basis, nonfarm jobs are up 9,900 from March 2023.

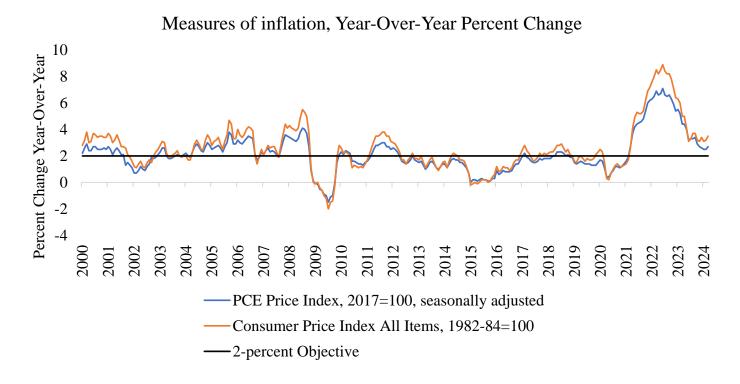


3.4 National inflation measures

3.4.1 Consumer Price Index vs. Personal Consumption Expenditures

There are two measures of inflation in the United States. The Consumer Price Index is released by the Bureau of Labor Statistics and is based on surveys of urban consumers, while Personal Consumption Expenditures price index is calculated by the Bureau of Economic Analysis and based on surveys of what businesses are selling. Both are used officially for various federal purposes, although the Federal Reserve focuses on PCE in monetary policy decisions.

In March the PCE price index grew by 2.7% year-over-year, up from 2.5% year-over-year growth in February. On a monthly basis, it increased by 0.3%. The CPI all-items index grew by 3.5% in March before seasonal adjustment, up from 3.2% in February. Growth in both indexes has decelerated considerably since June 2022 but remains above the 2% Federal Reserve target.



3.4.2 Expenditure categories of the CPI

The CPI for all urban consumers increased 3.5% year-over-year in March and 0.4% from a month prior. Shelter (+0.4%) and gasoline (+1.7%) contributed over half of the monthly all-items increase.

The energy index overall increased 1.1% in March on a monthly basis. Fuel oil declined by 1.3% in March and remains down 3.7% year-over-year.

The food index increased by 0.1% in March and is up 2.2% year-over-year. The core index, which excludes volatile food and energy prices, increased 0.4% from last month and is up 3.8% year-over-year.

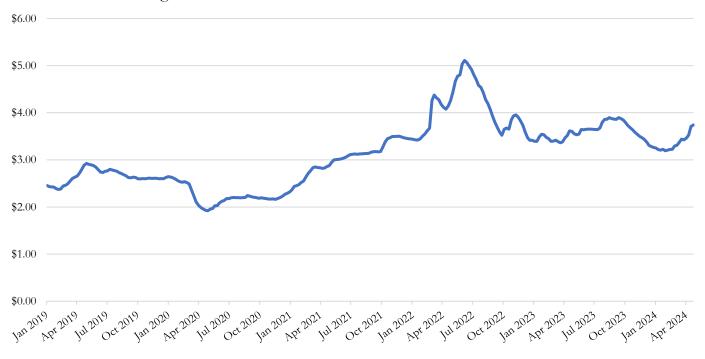
	Year-Ove (not seasonal			ver-Month y adjusted)
Table 1. Percent Change in Consumer Price Index by Expenditure Category	Feb-24	Mar-24	Feb-24	Mar-24
All items	3.2	3.5	0.4	0.4
Food	2.2	2.2	0.0	0.1
Energy	-1.9	2.1	2.3	1.1
All items less food and energy	3.8	3.8	0.4	0.4
Commodities (less food and energy)	-0.3	-0.7	0.1	-0.2
Household furnishings and supplies	-2.3	-2.7	-0.3	-0.1
Apparel	0.1	0.4	0.6	0.7
Transportation commodities (less motor fuel)	-0.3	-0.8	0.1	-0.5
Medical care commodities	2.9	2.5	0.1	0.2
Recreation commodities	-1.3	-1.9	-0.2	-0.5
Education and communication commodities	-5.6	-6.2	0.2	-1.2
Alcoholic beverages	2.4	2.4	0.0	0.1
Other goods	4.4	3.9	0.7	0.2
Services (less energy)	5.2	5.4	0.5	0.5
Shelter	5.7	5.7	0.4	0.4
Water and sewer and trash collection	5.3	5.3	0.5	0.3
Medical care services	1.1	2.1	-0.1	0.6
Transportation services	9.9	10.7	1.4	1.5
Recreation services	4.5	4.5	0.5	0.1
Education and communication services	1.5	1.4	0.5	0.2
Other personal services	5.1	5.4	-0.6	0.8

3.5 Energy

3.5.1 Gasoline

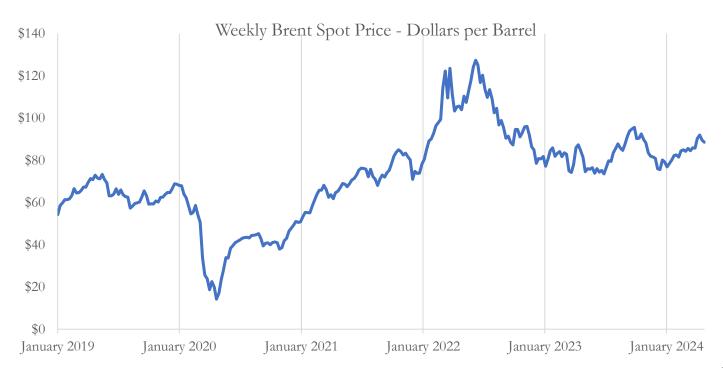
The average price of a gallon of gasoline in New England was \$3.74 on April 29, \$0.30 higher than a month prior and \$0.14 higher than the same week in 2023. The average price of gasoline in the month of April was up \$0.22 from March.

New England - All Grades and Formulations Gasoline Price Per Gallon



3.5.2 Brent Spot Prices

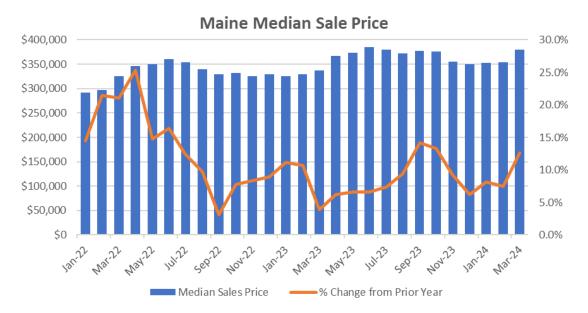
The weekly Brent spot price averaged \$90.12 for the month of April and was at \$89.59 for the week ending April 26, 2024. The Brent spot price has increased by \$2.73 since the week ending March 29, 2024.



3.6 Housing

3.6.1 Sales

Home sales increased statewide by 3.5% in March 2024 compared to March 2023. The median sale price in Maine was \$380,000, an increase of 7.3% from February and an increase of 12.6% year-over-year. When looking at the last three months, nine counties had increases in homes sold compared to a year prior, six had decreases, and one had no change. All counties had increases in the median sale price, ranging from a 1.7% increase in Oxford County to a 43.6% increase in Piscataquis County. There is more volatility in the median price data for small counties since there are fewer home sales, so it is important to also consider longer term trends at the county level.



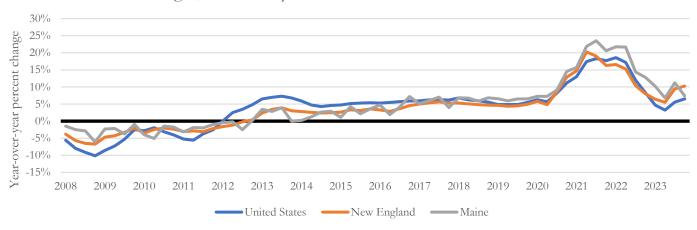
January 1, 2024 – March 31, 2024 Home Sales						
Geography	No. of Units Sold	One Year Change (Units)	Median Sale Price	One Year Change (Price)		
Androscoggin	197	39.7%	\$310,000	3.3%		
Aroostook	112	-5.9%	\$155,000	19.3%		
Cumberland	454	0.0%	\$533,500	13.5%		
Franklin	60	-4.8%	\$294,500	30.9%		
Hancock	114	6.5%	\$372,500	7.2%		
Kennebec	207	-11.9%	\$300,000	15.4%		
Knox	95	4.4%	\$425,000	10.4%		
Lincoln	69	25.5%	\$380,000	3.3%		
Oxford	128	3.2%	\$305,000	1.7%		
Penobscot	261	3.6%	\$250,000	11.1%		
Piscataquis	46	-22.0%	\$237,000	43.6%		
Sagadahoc	62	-1.6%	\$410,000	12.3%		
Somerset	93	6.9%	\$215,000	26.5%		
Waldo	49	-33.8%	\$320,000	9.4%		
Washington	71	6.0%	\$235,900	4.8%		
York	402	20.7%	\$499,250	13.7%		
Maine	2420	4.1%	\$365,000	10.6%		

3.6.2 House Price Index

In the fourth quarter of 2023, Maine's year-over-year growth in the house price index (HPI)⁴ was 7.4% (seasonally adjusted), 18th in the nation for year-over-year growth and lowest in New England. **This was the first quarter since Q4 2017 where Maine saw slower year-over-year growth than the New England region.** By contrast, Maine had the second highest year-over-year growth in the U.S. in Q3 (11.1%) and the highest growth in the U.S. in Q2 (7.6%). On a seasonally adjusted quarterly basis, Maine's HPI decreased 0.7% from the third quarter of 2023 compared to growth of 1.7% in New England and 1.5% in the U.S.

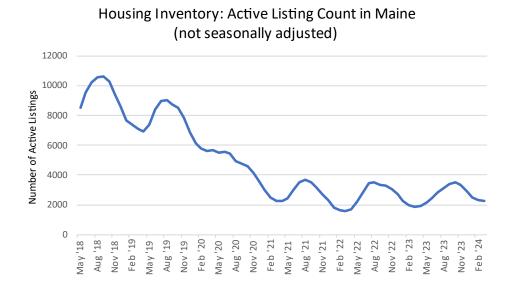
Reference Period		Maine	New England	United States
2022:Q4-2023:Q4	HPI percent change from previous year	7.4%	10.3%	6.5%

Percent Changes, Year-over-year in FHFA House Price Index (Seasonally Adjusted)



3.6.3 Inventory

There were 2,282 active listings of single-family and condo homes in Maine in March. Since inventory levels have a defined seasonal pattern, it is most useful to look at changes year-over-year. Inventory has been at historically low levels since 2020 though there has been some improvement since October 2023. The number of active listings in March 2024 was up 24% from March 2023, but down 68% from March 2019.

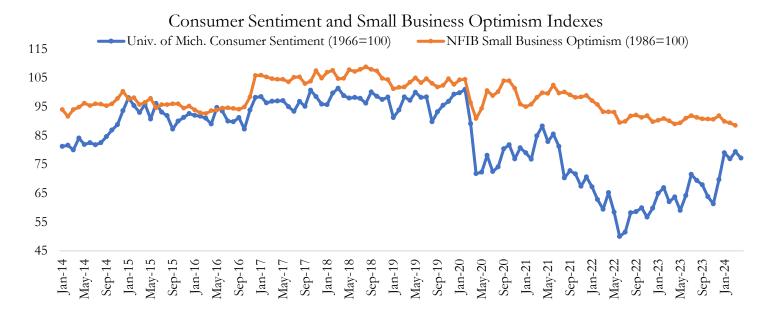


⁴ According to the Federal Housing Finance Agency (FHFA), the HPI "measures average price changes in repeat sales or refinancing on the same properties."

3.7 Sentiment

The **Index of Consumer Sentiment** from the University of Michigan was down 2.8% in April from the prior month and up 21.2% from the prior year. Consumer sentiment overall has remained relatively steady since January, but there were significant differences by age and political party affiliation.

The **Small Business Optimism Index**, as measured by the National Federation of Independent Businesses, reached its lowest level since 2012, declining 1.0% in March and 1.8% over the past 12 months. 25% of business owners identified inflation as their top concern, and there was also a significant drop in sales expectations.



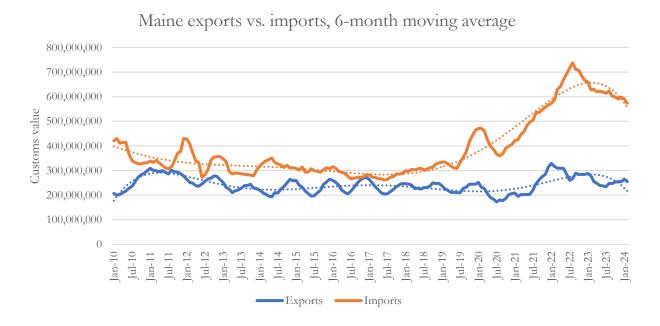
3.8 Trade Outlook

3.8.1 Exports and trade partners

In February 2024, total exports were up 6.3% in Maine, 2.8% in New England, 5.3% nationwide compared to February 2023. Year-over-year exports have been volatile since early 2021. Maine's top trade partner was Canada, which accounted for 76% of imports and 50% of exports. Oil and gas (\$40 million), paper (\$36 million), and transportation equipment (\$32 million) were Maine's top exports.



Similar to the nation, Maine's trade deficit has grown in recent years as the U.S. dollar has strengthened relative to foreign currencies, which makes imports from other countries cheaper and more attractive. Conversely, a strong U.S. dollar can lead to decreasing exports, as goods and services from the U.S. are more expensive for international consumers. These dynamics contribute to a large trade deficit, both in Maine and the U.S. After peaking in August 2022 at -\$471 million, Maine's six-month average trade deficit was -\$318 million as of February 2024.



4 Appendix

4.1.1 Data Sources

Indicator	Source	Reference Period	Release Date
Population: estimates and			
percent change	Census Bureau – Pop. Ests.	2023	December 19, 2023
Net migration: total and percent			
change	Census Bureau – Pop. Ests.	2023	December 19, 2023
Median age	Census Bureau – ACS 1-year	2022	September 14, 2023
Educational attainment	Census Bureau – ACS 1-year	2022	September 14, 2023
Poverty level	Census Bureau – ACS 1-year	2022	September 14, 2023
Income	Census Bureau – ACS 1-year	2022	September 14, 2023
Per capita personal			•
consumption expenditure	U.S. Bureau of Economic Analysis	2022	October 4, 2023
Per capita disposable personal			
income	U.S. Bureau of Economic Analysis	2023	March 29, 2024
Average earnings per job	U.S. Bureau of Economic Analysis	2022	March 29, 2024
Gross domestic product	U.S. Bureau of Economic Analysis	2023:Q4	March 29, 2024
<u>GDPNow</u>	Atlanta Fed	2024:Q2	May 1, 2024
Real-time Sahm Rule Recession			
<u>Indicator</u>	Sahm, Claudia/FRED	Mar. 2024	April 4, 2024
GDP-Based Recession Indicator			
Index	Hamilton, James/FRED	2023:Q4	April 25, 2024
Personal income: total, per			
capita, and wages and salaries	U.S. Bureau of Economic Analysis	2023: Q4	March 29, 2024
<u>Unemployment rate</u>	U.S. Bureau of Labor Statistics	Mar. 2024	April 19, 2024
<u>Labor force participation</u>	U.S. Bureau of Labor Statistics	Mar. 2024	April 19, 2024
Nonfarm payroll job estimates	U.S. Bureau of Labor Statistics	Mar. 2024	April 19, 2024
Consumer Price Index	U.S. Bureau of Labor Statistics	Mar. 2024	April 10, 2024
	U.S. Bureau of Economic		
PCE Price Index	Analysis/FRED	Mar. 2024	April 26, 2024
Brent Spot Prices	Energy Information Administration	Apr. 26, 2024	May 1, 2024
Gasoline	Energy Information Administration	Apr. 29, 2024	April 29, 2024
House price index	Federal Housing Finance Agency	2023:Q4	February 27, 2024
Housing: Units and Median Sale	Maine Association of	Jan. 2024 - Mar.	
Price	REALTORS®	2024	April 18, 2024
<u>Housing Inventory – Active</u>			
Listing Count in Maine	Realtor.com via FRED	Mar. 2024	April 4, 2024
	University of Michigan Survey of		
<u>Index of Consumer Sentiment</u>	Consumers	Apr. 2024	April 26, 2024
	National Federation of		
Small Business Optimism Index	Independent Businesses	Mar. 2024	April 9, 2024
Imports & Exports	USA Trade Online	Feb. 2024	April 4, 2024

5. Glossary

Average earnings per job: Total earnings, which is the sum of wages and salaries, supplements to wages and salaries, and proprietors' income, divided by total full-time and part-time employment.

Compound Annual Growth Rate: =
$$\left(\frac{Final\ Value}{Initial\ Value}\right)^{\frac{1}{No.\ of\ Periods}} - 1$$

Gross Domestic Product: The measure of the market value of all final goods and services produced within a state in a particular period of time. GDP by state differs from national GDP for the following reasons: GDP by state excludes and national GDP includes the compensation of federal civilian and military personnel stationed abroad and government consumption of fixed capital for military structures located abroad and for military equipment, except office equipment. *Real GDP*: Real GDP by state is an inflation-adjusted measure of each state's gross product that is based on national prices for the goods and services produced within the state. The real estimates of gross domestic product (GDP) by state are measured in chained (2017) dollars.

<u>Housing Price Index</u>: A weighted, repeat-sales index, meaning that it measures average price changes in repeat sales or refinancing on the same properties.

<u>Labor Force Participation Rate</u>: The labor force as a percent of the civilian noninstitutional population ages 16 years and older.

<u>Net Migration Rate</u>: The U.S. Census Bureau defines the net migration rate as the difference between the number of migrants entering and those leaving an area in a year, per 1,000 midyear population. May also be expressed in percent. A positive figure is known as a net immigration rate and a negative figure as a net emigration rate.

<u>Personal Consumption Expenditures by State</u>: A measure of spending on goods and services purchased by, and on behalf of, households based on households' state of residence divided by the resident population of the area.

<u>Personal Income</u>: Income that persons residing in the area receive in return for their provision of labor, land, and capital used in current production as well as other income, such as personal current transfer receipts. *Per capita personal income*: The personal income of a given area divided by the resident population of the area. *Per capita disposable personal income*: The income available to persons for spending or saving (personal income less personal current taxes) of a given area divided by the resident population of the area.

<u>Poverty Level</u>: The U.S. Census Bureau uses a set of money income thresholds that vary by family size and composition to determine who is in poverty. If a family's total income is less than the family's threshold, then that family and every individual in it is considered in poverty.

<u>Total merchandise exports</u>: Total exports are calculated by adding domestic exports (goods that are grown, produced, or manufactured in the United States) to foreign exports (foreign-origin goods that have previously entered the United States, Puerto Rico, or the U.S. Virgin Islands for consumption, entry into a CBP bonded warehouse, or a U.S. <u>Foreign Trade Zone (FTZ)</u>, and at the time of exportation, have undergone no change in form or condition or enhancement in value by further manufacturing).

Total Private nonfarm employment: Each month Current Employment Statistics (CES) surveys a sample of about 2,700 nonfarm private employers (plus federal, state, and local government employers) in Maine asking them to report the number of jobs, hours, and earnings of workers on their payroll during the week including the 12th day of each month. The sample accounts for just 7% of employers, but 34% of nonfarm jobs in the state because a high share of large employers are surveyed.

<u>Unemployment Rate</u>: Number of unemployed as a percent of the labor force. To be classified as unemployed, persons must be aged 16 years and older with no employment during the reference week, were available for work, except for temporary illness, and had made specific efforts to find employment sometime during the 4-week period ending with the reference week.

<u>Wages and Salaries</u>: Remuneration receivable by employees (including corporate officers) from employers for the provision of labor services, measured before deductions such as social security contributions, union dues, and voluntary employee contributions to defined contribution pension plans.