Maine Economic Indicators

May 2022



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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.

Please note that changes in economic indicators cannot uniquely be interpreted as the impact of COVID-19.

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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 Period		Maine	New England	United States
2021	Total population	1,372,247	15,092,739	331,893,745
2020-2021	Annual population percent change	0.7%	-0.05%	0.1%
2010-2020	Cumulative population percent change	2.6%	4.7%	7.4%
2020	Average earnings per job	\$56,760	\$78,373	\$69,204
2019-2020	Average earnings per job percent change	8.2%	7.6%	7.1%
April 2022	Unemployment rate	3.3%	3.8%	3.6%
April 2022	Total private nonfarm employment	541,100	6,466,400	129,125,000
April 2022	Labor Force	678,800	8,008,600	164,046,000
April 2022	Labor Force Participation Rate	59.0%	N/A	62.2%

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

Real GDP	2021:Q1	2021:Q2	2021:Q3	2021:Q4	2020:Q4- 2021:Q4
Maine	2.4	4.3	1.8	6.8	3.8
New England	3.4	9.4	2.5	7.6	5.7
United States	6.3	6.7	2.3	6.9	5.5
Total Personal Income	2021:Q1	2021:Q2	2021:Q3	2021:Q4	2020:Q4- 2021:Q4
Maine	60.6	-24.6	1.6	5.1	6.6
New England	40.7	-13.7	2.8	2.0	6.2
United States	56.9	-20.2	3.0	2.4	7.2
Per Capita Personal Income	2021:Q1	2021:Q2	2021:Q3	2021:Q4	2020:Q4- 2021:Q4
Maine	59.7	-25.1	0.6	4.0	5.8
New England	41.0	-13.6	2.6	1.9	6.2
United States	56.9	-20.3	2.7	2.0	7.0
Wages & Salaries	2021:Q1	2021:Q2	2021:Q3	2021:Q4	2020:Q4- 2021:Q4
Maine	-1.6	17.1	10.9	9.2	8.7
New England	-2.8	18.3	14.3	9.7	9.6
United States	4.0	12.8	12.7	10.8	10.0

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
2021	Total population	1,372,247	15,092,739	331,893,745
2020-2021	Annual population percent change	0.7%	-0.05%	0.1%
2010-2020	Cumulative population percent change	2.6%	4.7%	7.4%
2021	Births	11,291	136,347	3,581,986
2021	Deaths	17,635	159,721	3,433,943
2021	Net migration	16,340	13,765	244,622
2020-2021	Annual rate of total net migration, per thousand (Maine ranks 7 th in the U.S.)	1.2%	.1%	0.1%
2016-2020	Median age, years (American Community Survey)	44.8	40.8	38.2
2016-2020	Associate degree: percent of population age 25 and above	10.2%	8.3%	8.6%
2016-2020	Bachelor's degree: percent of population age 25 and above	20.3%	23.1%	20.2%
2016-2020	Graduate or professional degree: percent of population age 25 and above	12.2%	17.6%	12.7%
2016-2020	Percent of population below poverty level	11.1%	9.9%	12.8%
2016-2020	Median family income	\$76,192	\$98,229	\$80,069
2016-2020	Median household income	\$59,489	\$77,376	\$64,994
2020	Per capita personal consumption expenditures	\$45,272	\$50,154	\$42,635
2020	Per capita disposable personal income	\$49,072	\$64,398	\$53,080

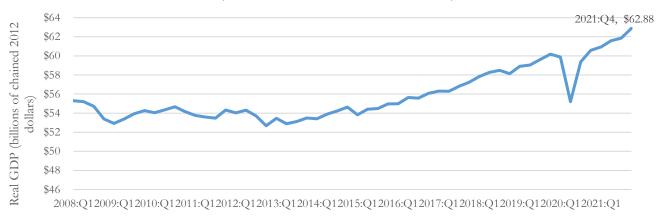
3 Quarterly and Monthly Indicators

3.1 Gross Domestic Product (GDP)

Real GDP in Maine grew by 6.8 percent from the preceding quarter at an annual rate (2021:Q3 to 2021:Q4), ranking 20th in the U.S. and fifth in New England. The industry sectors that contributed the most to Maine's fourth quarter increase in GDP were real estate and rental and leasing; agriculture, forestry, fishing and hunting; and professional, scientific, and technical services, among other sectors. Gains in these sectors were partially offset by losses in construction; utilities; and government & government enterprises.

2021:Q4	Maine	United States
Nominal GDP (Current dollars)	\$79.2 billion	\$24.0 trillion
Real GDP (Chained 2012 Dollars)	\$62.9 billion	\$19.8 trillion

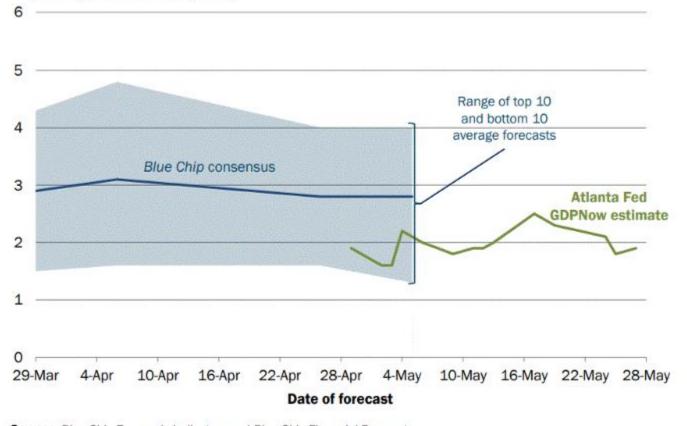
Real GDP (billions of chained 2012 dollars) - Maine



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 2022:Q2 as of May 27th is that U.S. real GDP will **increase by 1.9 percent** at an annual rate.

Evolution of Atlanta Fed GDPNow real GDP estimate for 2022: Q2 Quarterly percent change (SAAR)



Sources: Blue Chip Economic Indicators and Blue Chip Financial Forecasts

Note: The top (bottom) 10 average forecast is an average of the highest (lowest) 10 forecasts in the Blue Chip survey.

3.2 Recession Indicators

The National Bureau of Economic Research (NBER) declared that the United States was officially in recession starting in February and ending in April 2020, as of July 19, 2021. NBER is the primary source in the United States that declares when recessions begin and end. 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 April 2022, this indicator showed that the three-month average of national U3 was .13 points *under* its 12-month low.



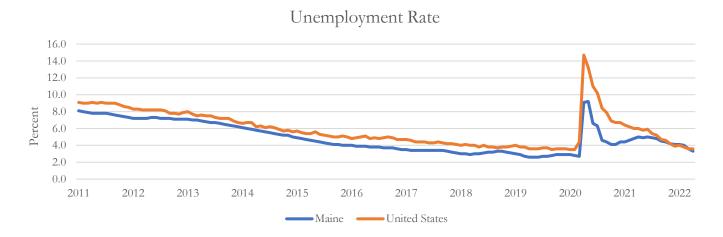
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¹ Created by Dr. Claudia Sahm, Federal Reserve Board of Governors

3.3 Labor Markets²

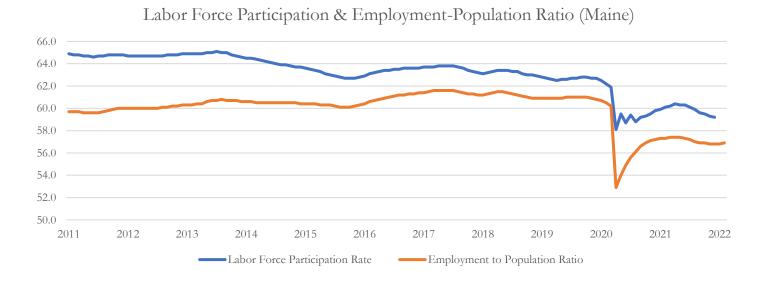
3.3.1 Unemployment Rate April 2022: 3.3%

The unemployment rate dropped to 3.3% in April, lower than the U.S. (3.6%) and New England (3.8%). The number of unemployed individuals has dropped to 22,639. The state of unemployment in Maine resembles late-2018 figures, though slightly higher than pre-pandemic.



3.3.2 <u>Labor Force Participation Rate March 2022: 59.2%</u>

Labor force participation (LFP) was 59.0% in April, dropping 0.2 percentage points from March and 1.4 percentage points from April 2021. 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 at 57.1%, little changed over the month. Both LFP and EPOP down year-over-year and have struggled to recover during the pandemic era.

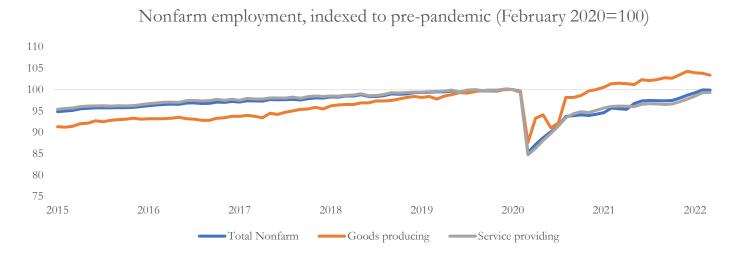


² The data for unemployment rates and labor force are derived from the Local Area Unemployment Statistics (LAUS) program and data for nonfarm payroll jobs are derived from the Current Employment Statistics (CES) program. The numbers presented below are estimates which vary month to month in either direction 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.

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3.3.3 Total Nonfarm Payroll Job Estimates March 2022: 638,700

Seasonally adjusted total nonfarm employment essentially unchanged in Maine in April, as gains in accommodation & food services, health care & social assistance, and some other sectors were offset by losses in retail trade, professional and business services, and goods-producing sectors. Total nonfarm employment in Maine is up 3.1% from a year ago and down 0.1% or 800 jobs from pre-pandemic February 2020. Jobs in the goods-producing sector are 3.4% higher than pre-pandemic, while the service sector lags slightly (-0.7%).

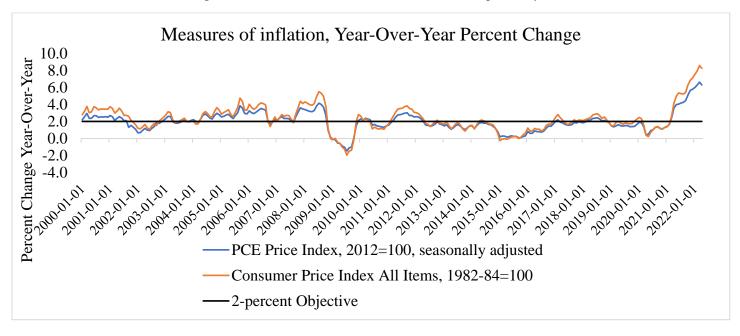


3.4 National inflation measures

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 April, the PCE price index grew by 6.3% year-over-year, while the CPI all-items index grew by 8.3% in April. Both measures moderated in April, down from 6.6% and 8.5% in March, respectively



3.4.2 Expenditure categories of the CPI

The CPI for all urban consumers increased 8.3% year-over-year in April and was 0.3% higher than in March. Meanwhile, core inflation, which excludes volatile food and energy prices, rose by 6.2% year-over-year and 0.6% since March. Moderation of energy prices contributed heavily to the deceleration in the all-items index, while growth in the core index accelerated month-over-month.

The greatest contributors to the seasonally adjusted all-items increase were shelter, food, airline fares, and new vehicles.

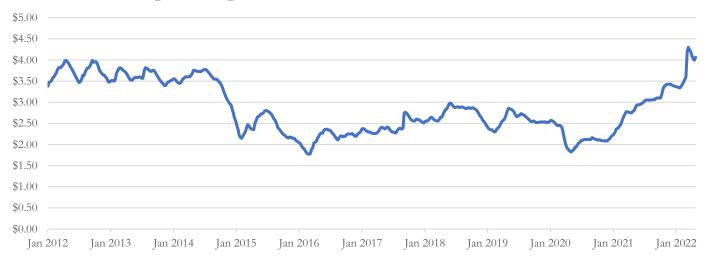
	Year-Over-Year (not seasonally adjusted)		Month-Over-Month (seasonally adjusted)	
Table 1. Percent Change in Consumer Price Index by	March	April	March	April
Expenditure Category	2022	2022	2022	2022
All items	8.5	8.3	1.2	0.3
Food	8.8	9.4	1.0	0.9
Energy	32.0	30.3	11.0	-2.7
All items less food and energy	6.5	6.2	0.3	0.6
Commodities (less food and energy)	11.7	9.7	-0.4	0.2
Household furnishings and supplies	10.8	10.6	1.0	0.5
Apparel	6.8	5.4	0.6	-0.8
Transportation commodities (less motor fuel)	21.8	17.2	-1.7	0.4
Medical care commodities	2.7	2.1	0.2	0.1
Recreation commodities	4.7	4.0	-0.1	0.5
Education and communication commodities	1.3	-4.0	-0.6	-2.6
Alcoholic beverages	3.7	3.9	0.5	0.4
Other goods	5.3	5.2	0.6	0.3
Services (less energy)	4.7	4.9	0.6	0.7
Shelter	5.0	5.1	0.5	0.5
Water and sewer and trash collection	4.0	4.2	0.1	0.3
Household operation		6.4		
Medical care services	2.9	3.5	0.6	0.5
Transportation services	7.7	8.5	2.0	3.1
Recreation services	4.8	4.4	0.4	0.4
Education and communication services	1.6	1.7	-0.1	0.2
Other personal services	5.7	6.2	0.4	0.5

3.5 Energy

3.5.1 Gasoline

The average price of a gallon of regular gasoline in New England was \$4.063 on April 25, 2022, \$0.13 less than a month prior and \$1.27 higher compared to the same week of 2021.

New England - Regular All Formulation Retail Gasoline Price Per Gallon



3.5.2 Brent Spot Prices

The weekly Brent spot price averaged \$110.24 in the first three weeks of May, with prices above \$100 per barrel in all weeks since March 4th. In the week ending 5/20, the Brent spot price was 70.8% or \$46.82 higher than the same week a year ago.



3.6 Housing

3.6.1 Sales

Home sales had a double-digit rate of decline in April amid a tight housing market. The 1,143 single-family units sold were 20.9% fewer than in April 2021 and 9.2% fewer than pre-pandemic in April 2019. Meanwhile the growth rate for median sale price also remains in the double digits, 25.4% in April, reaching \$346,000. Fifteen counties had year-over-year growth in the median sale price, while all sixteen saw year-over-year declines in the number of sales. April marks the first time that a county had a median sale price over \$500,000, with Cumberland reaching \$542,000.

Geography	No. of Units Sold	One Year Change (units)	Median Sale Price	One Year Change (Price)
Androscoggin	60	-31.0%	\$281,165	15.4%
Aroostook	69	-8.0%	\$160,000	73.0%
Cumberland	250	-4.2%	\$542,500	25.4%
Franklin	23	-56.6%	\$193,500	17.3%
Hancock	43	-47.7%	\$382,500	29.7%
Kennebec	109	-6.0%	\$297,200	16.1%
Knox	33	-35.3%	\$420,000	47.4%
Lincoln	35	-2.8%	\$375,000	32.4%
Oxford	61	-16.4%	\$280,000	30.2%
Penobscot	117	-29.9%	\$220,000	7.3%
Piscataquis	22	-8.3%	\$177,500	23.3%
Sagadahoc	26	-27.8%	\$379,750	2.1%
Somerset	37	-31.5%	\$155,000	-4.6%
Waldo	40	-29.8%	\$307,500	23.0%
Washington	41	-18.0%	\$195,000	22.3%
York	174	-19.8%	\$453,500	14.1%
Maine	1,143	-20.9%	\$346,000	25.4%

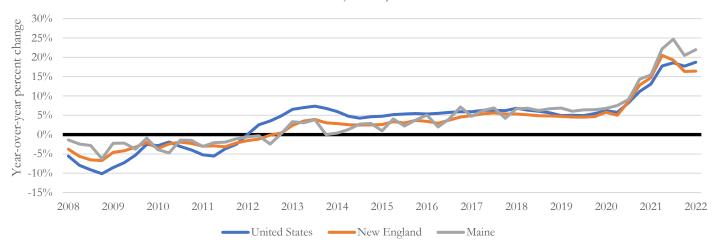
3.6.2 House Price Index

In the first quarter of 2022, year-over-year growth in the house price index (HPI)³ picked back up in Maine, New England and the nation after slowing slightly in the fourth quarter of 2021. Maine's year-over-year HPI growth rate was higher than both the regional growth rate and the national growth rate at 22.0% compared to 16.4% in New England and 18.7% in the U.S. Maine's HPI grew at the 12th-fastest rate in the U.S. and came in 1st in New England in the first quarter.

Reference Period		Maine	New England	United States
2021:Q1-2022:Q1	HPI percent change from previous year	22.0%	16.4%	18.7%

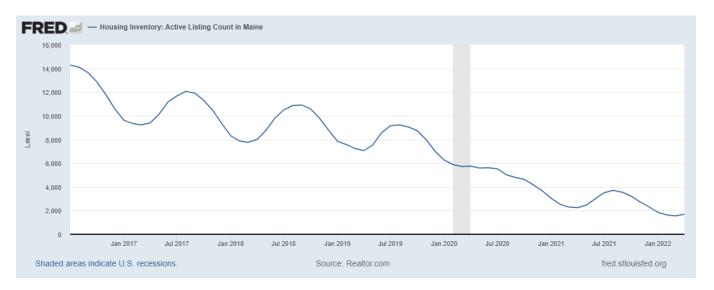
³ According to the Federal Housing Finance Agency (FHFA), the HPI "measures average price changes in repeat sales or refinancing on the same properties."

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



3.6.3 Housing inventory

A primary contributor to Maine's tight housing market is very low inventory. In April 2022, there were 1,686 active listings for single-family homes in Maine on Realtor.com, 556 fewer than 12 months prior. Active listings have fallen year-over-year in every month since recording began, with the gap accelerating though 2020 but easing in recent months.



3.6.4 List-To-Sale ratio

Produced by Zillow, this metric shows the difference between the price at which a home is listed and the price it sells for, a further indicator of demand within the residential housing market. This data is only available for the Portland, ME Metropolitan Statistical Area, which is composed of Cumberland, York, and Sagadahoc counties.

In the first week of May, the median sale-to-list price ratio was 1.083, meaning that the median home in the Portland MSA that is listed on Zillow sells for about 8.3% higher than its asking price. This is up from a median of 1.018 about a year ago. Nationally, the median was 1.016 in the first week of May.

Median sale-to-list price ratio, Portland ME MSA

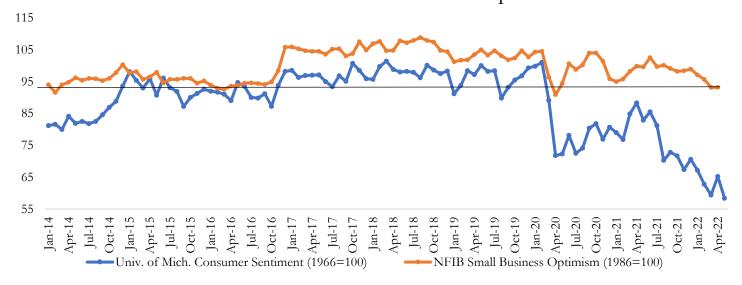


3.7 Sentiment

The Index of Consumer Sentiment from the University of Michigan fell 10.4% in May, returning to May levels. The drop in consumer sentiment reflects negative views for houses, durables and overall inflation. The index is down 30% year-over-year. The Small Business Optimism Index, as measured by the National Federation of Independent Businesses, was unchanged month-over-month in April and down 6.6% over the past 12 months.

Notably, consumer sentiment is more heavily driven by pessimism for business conditions, despite relatively optimistic future prospects for their own personal finances. In the <u>release for the final May Consumer Sentiment reading</u>, less than one quarter of consumers expect to be worse off in one year, and a majority expect their financial situation to improve in the next five years. Positive sentiment for personal finances is a likely contributor to strong consumer spending. However, according to the report, "persistently negative views of the economy may come to dominate personal factors in influencing consumer behavior in the future."

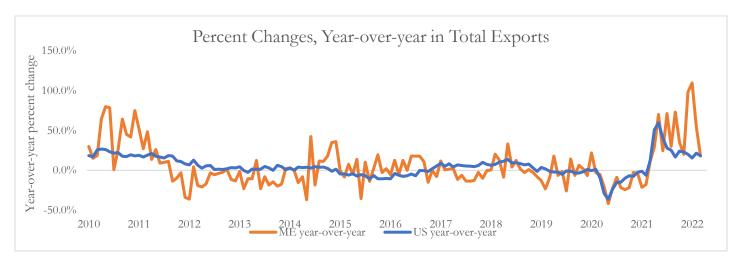
Consumer Sentiment and Small Business Optimism Indexes



Trade Outlook

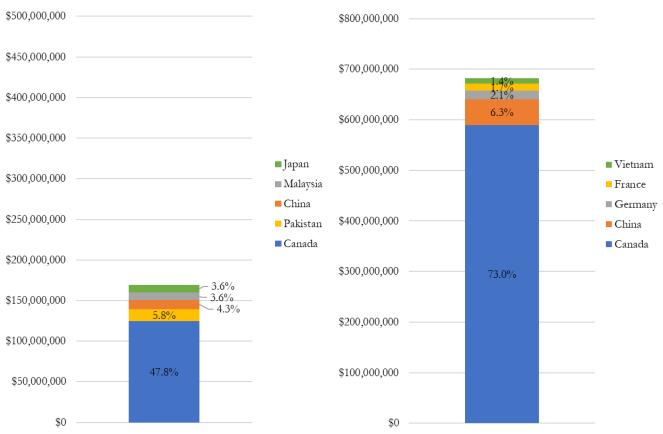
3.7.1 Exports and trade partners

In March 2022, total exports were up 17.9% in Maine and 18.4% nationwide compared to March 2021. Year-over-year exports have been volatile since early 2021. Maine's top trade partner was Canada, which accounted for 69.4% of imports and 51.2% of exports. Total imports to Maine were valued at \$807.2 million while exports totaled \$260.4 million.



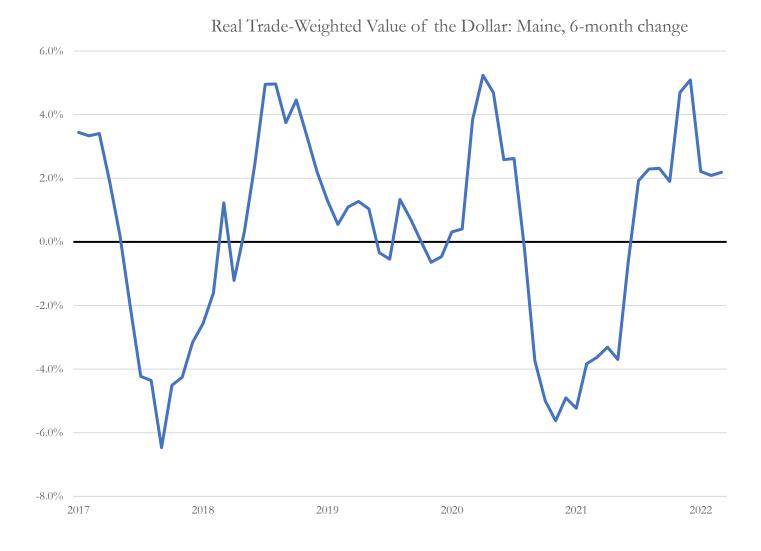
Value of exports to top 5 export partners

Value of imports from top 5 import partners



3.7.2 Real Trade-Weighted Value of the Dollar

The Real Trade-Weighted Value of the Dollar index calculates the inflation-adjusted value of the US Dollar against the currencies of countries with which the state trades, which allows for a more precise analysis of how movements in exchange rates affect demand for states' imports. In March 2022, Maine's RTWVD 6-month change was 2.2%.



4 Appendix

4.1.1 Data Sources

Indicator	Source	Reference Period	Release Date
Population: estimates and	Census Bureau – Pop. Ests. And		
percent change	2020 Decennial Census	2021	December 21, 2021
Net migration: total and			
percent change	Census Bureau – Pop. Ests.	2021	December 21, 2021
Median age	Census Bureau – ACS 5-year	2020	March 17, 2022
Educational attainment	Census Bureau – ACS 5-year	2020	March 17, 2022
Poverty level	Census Bureau – ACS 5-year	2020	March 17, 2022
Income	Census Bureau – ACS 5-year	2020	March 17, 2022
Per capita personal			
consumption expenditure	U.S. Bureau of Economic Analysis	2020	October 8, 2021
Per capita personal income	U.S. Bureau of Economic Analysis	2021:Q4	March 23, 2022
Average earnings per job	U.S. Bureau of Economic Analysis	2020	September 23, 2021
Gross domestic product	U.S. Bureau of Economic Analysis	2021:Q4	March 31, 2022
GDPNow	Atlanta Fed	2022:Q1	May 27, 2022
Real-time Sahm Rule		-	,
Recession Indicator	Sahm, Claudia/FRED	April 2022	May 6, 2022
Personal income: total, per			
capita, and wages and			
<u>salaries</u>	U.S. Bureau of Economic Analysis	2021:Q4	March 23, 2022
<u>Unemployment rate</u>	U.S. Bureau of Labor Statistics	April 2022	May 20, 2022
<u>Labor force participation</u>	U.S. Bureau of Labor Statistics	April 2022	May 20, 2022
Nonfarm payroll job			
estimates	U.S. Bureau of Labor Statistics	April 2022	May 20, 2022
Consumer Price Index	U.S. Bureau of Labor Statistics	April 2022	May 11, 2022
	U.S. Bureau of Economic		
PCE Price Index	Analysis/FRED	April 2022	May 27, 2022
	Energy Information		
Brent Spot Prices	Administration	May 23, 2022	May 25, 2022
	Energy Information		
Gasoline	Administration	May 23, 2022	May 23, 2022
House price index	Federal Housing Finance Agency	2022:Q4	May 31, 2022
Housing: Units and Median	Maine Association of		
Sale Price	REALTORS®	April 2022	May 22, 2022
Housing Inventory: Active			
Listings	Realtor.com via FRED	April 2022	May 10, 2022
<u>List-to-sale price ratio</u>	Zillow Research	May 7, 2022	May 2022
Index of Consumer			
Sentiment	Michigan Survey of Consumers	May 2022	May 2022
Small Business Optimism	National Federation of	,	
Index	Independent Businesses	April 2022	May 2022
Imports & Exports	USA Trade Online	March 2022	May 4, 2022
Real Trade-Weighted Value			
of the Dollar	Federal Reserve Bank of Dallas	March 2022	May 4, 2022

5 Glossary

<u>Average earnings per job:</u> 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 (2012) 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.

Real Trade Weighted Value of the Dollar: An index that calculates the inflation-adjusted value of the U.S. dollar against the currencies of countries with which the state trades.

<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.