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Economic & Housing Outlook

Housing and Interest Rates Continue to Suggest Recession Likely in 2023

September 21, 2022

We project 2022 real gross domestic product (GDP) to be flat at 0.0 percent growth and to decline 0.5 percent in 2023, both on a Q4/Q4 basis. In the near term, we expect modest economic growth over the second half of the year as large swings in net exports that previously dragged in the first half should boost GDP over the latter part of the year. However, in light of expected continuing tightening of monetary policy and global economic weakness, we expect a further slowing in housing activity and sluggish consumer spending and business investment growth. We continue to expect a moderate recession to occur in 2023 along with a weakening of the labor market.

Headline inflation has moderated over the past two months; however, this is largely due to a significant decline in gasoline prices. Core inflation, along with food prices, continue to remain well above the Federal Reserve's target. Following the completion of our forecast, the August release of the Consumer Price Index (CPI) showed core prices rising 0.6 percent over the month and 6.3 percent on an annual basis, an acceleration of four-tenths from July. Given this, we expect the Federal Reserve to continue its course of raising short-term interest rates and anticipate an additional 75 basis point hike at its September meeting, though markets are partially pricing in the possibility of a full 100 basis point increase. Our baseline forecast is for the Fed Funds rate to top out at the 3.50-3.75 percent range in early 2023, but we see upside risk to this terminal rate.

We lowered our 2022 forecast for total home sales slightly to 5.71 million units, a 17.2 percent decline from 2021, down from our previous forecast of a 16.2 percent drop. The change was disproportionally due to a lower expectation for new homes sales, but existing home sales were downgraded as well, in large part due to mortgage rates again moving higher (exceeding 6.0 percent for the first time since 2008, according to the most recent Freddie Mac survey). Our total home sales outlook for 2023 was revised downward from 5.18 million to 4.98 million units. Given changes to our outlook for both home sales and mortgage rates, along with benchmarking to latest Home Mortgage Disclosure Act (HMDA) data, we have slightly lowered our forecast for 2022 mortgage originations to \$2.44 trillion (previously \$2.47 trillion) and our 2023 mortgage originations forecast to \$2.17 trillion (previously \$2.29 trillion).

Inflation Dynamics Are Shifting

Topline inflation drivers continue to shift away from rising goods and commodities prices and toward services. While we believe headline inflation has likely peaked, strong rent growth and a tight labor market are leading to a more persistent inflationary trend, which historically has been difficult to contain without a general economic contraction.

A steep drop in gasoline prices of 10.6 percent kept the August headline CPI modest for the second consecutive month, rising only 0.1 percent, in line with our expectations. On an annual basis, headline CPI decelerated further to 8.3 percent, down from the recent peak of 9.1 percent in June. However, almost all other major categories rose over the month, with the core CPI rising 0.6 percent, reaccelerating to an annual rate of 6.3 percent. The strength in non-energy goods prices was somewhat at odds with other indicators, such as business surveys showing a declining share of firms raising prices. The stronger dollar exchange rate, driven in part by weakening economic growth abroad, is also putting downward pressure on import prices, which fell 1 percent in August. Going forward, we expect softening in goods price inflation, which was supported by the August Producer Price Index (PPI) showing softer goods price inflation.



However, shelter inflation, which rose at a rapid 0.7 percent over the month (the largest monthly increase since 1991) is likely to remain strong at least through mid-2023. As we have discussed previously, there is a considerable time lag between moves in house prices, rents, and changes in the CPI measure of shelter costs. More worrisome, however, is acceleration in non-energy, non-shelter services inflation. While such services only contributed about 1.5 percentage points to annual headline inflation in August, that share has grown from 1.0 percentage points in January and is approximately triple its average share of annual inflation in 2019 of 0.5 percentage points, reflecting the possibility that a tight labor market could lead to a difficult-to-reverse wage-price spiral dynamic.

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Upside Risk on Monetary Policy Tightening

While payroll employment growth decelerated in August, it remained at a robust pace of 315,000 over the month. Continued strong employment gains are supportive of consumer spending and near-term economic growth. However, with a growing share of inflation being driven via labor market tightness, continued strength likely increases the chance of greater or longer-lasting monetary policy tightening. The Fed has previously mentioned explicitly the need for job openings to decline for wage growth to soften to a level consistent with a 2-percent inflation target.



From the Fed's theoretical viewpoint, for labor market inflationary pressures to decelerate, the unemployment rate needs to exceed the level of the Non-Accelerating Inflation Rate of Unemployment (NAIRU), currently estimated by the Congressional Budget Office to be 4.5 percent. The unemployment rate in August was 3.7 percent. Chairman Powell alluded to this in August when he stated that "some pain" would be required to achieve price stability. A further complicating factor is a potential rebound in consumer confidence caused by a pullback in gasoline prices and additional discretionary income. While to date core retail sales have remained relatively subdued, if weaker gasoline prices bolstered consumer demand in other categories, then tighter monetary policy may be required (all else equal) to cool demand sufficiently.

Following the latest CPI report indicating growing service sector inflation and ongoing goods inflation, financial markets responded swiftly, and Treasury yields jumped. Even considering Fed rate hikes to date, the current policy stance is still, arguably, near neutral, meaning a rate that is neither stimulative nor contractionary to economic activity. We believe market expectations are beginning to take further into account the possibility that the Fed will have to raise its short-term rate well above neutral and perhaps maintain it for some time in order to induce sufficient labor market softening to achieve price stability. The ten-year Treasury yield closed at 3.45 percent on September 15, up about 80 basis points since the end of July. Meanwhile, the one-year Treasury yield closed at 4.0 percent, the highest since October 2007.

Home Sales Still Slowing on Higher Mortgage Rates

Existing home sales fell 5.9 percent in July to an annualized pace of 4.81 million, in line with our expectations. On an annual basis, sales were down 20.2 percent. With the exception of the initial COVID shutdowns in early 2020 and hurricane-related disruptions in 2015, this was the slowest pace of sales since 2014. Mortgage application data point to further sales declines in the near term, and with mortgage rates rising again, we have downwardly revised our existing home sales outlook through 2023. We now project 2022 total year existing sales to decline 16.5 percent from 2021, followed by a further decline of 13.3 percent in 2023. We will release our quarterly forecast update of the <u>Fannie Mae Home Price Index</u> in October.

Give Feedback



New home sales and construction continue to come in weaker than anticipated. New home sales fell 12.6 percent in July and were down 32.3 percent from a year prior. The temporary pull back in mortgage rates last month may lead to some stabilization in the August new home sales number, but we expect further softening moving forward. At the current sales pace, the months' supply of new homes on the market was 10.9 in July, up from 9.2 in June. This was the highest level since 2009. To this point, homebuilders do not appear to be offering incentives sufficient to move growing inventories, however, many publicly traded homebuilders continued to report historically elevated gross margins through the second quarter, suggesting room for greater discounting in the future. Homebuilders may have been reluctant to do so until recently as supply chain bottlenecks and labor shortages have resulted in an elevated share of homes for sale still being under construction compared to the historical norm. Currently, comparatively few finished homes are on the market, which may limit the need for builders to price more aggressively. However, over the past couple months, this number has begun to move upward, suggesting homebuilders may soon offer greater price concessions to drive sales.

Give Feedback

Supply of completed homes is rising, possibly leading builders to begin discounting prices 350 New single-family homes for sale 300 250 (EOP, SA, Thous) —Under Construction -Completed Units 200 150 100 50 0 '12 '21 '18 '08 '09 '10 '11 '13 '15 '16 '17 '19 '20 '22 '14

Redfin reports that, for the first time since March 2021, the average sales price of an existing home fell below the average asking price. While housing inventories remain tight, the months' supply of inventory is starting to rise. In August, the months' supply for existing single-family homes was 3.3 at the current sales pace, up from 1.6 at the start of the year. As a ratio of sales, inventories are now approaching pre-COVID levels even if the absolute number of listings remains significantly lower.

Multifamily housing construction continues to be strong. However, we revised downward our forecast for multifamily starts in 2023, due to a higher interest rate outlook. We expect activity will slow in 2023 along with a slowing economy, but we expect demand for rental units to remain comparatively strong. As single-family home purchase affordability reaches lows not seen since 2006, many households will likely remain in a rental unit longer than they otherwise would.

Mortgage Originations

This month, we updated our historical estimate of 2021 single-family mortgage originations as a result of our annual benchmarking to the latest HMDA data. This resulted in minor upward revisions to estimated 2021 total origination volumes, with our 2021 estimate now at \$4.57 trillion, about \$101 billion higher that our prior estimate. Purchase and refinance volumes for 2021 are now estimated to be \$1.9 trillion and \$2.7 trillion, representing upward revisions of \$37 billion and \$64 billion, respectively.

Our forecast for 2022 purchase volumes remains at \$1.7 trillion, essentially unchanged from last month. We now expect purchase volumes to fall about 1.5 percent in 2023 to just under \$1.7 trillion, a downward revision of \$17 billion from last month's forecast, driven by downward revisions to our forecast for home sales.

In the refinance market, higher mortgage rates have significantly lowered the expected market size for 2022 and beyond. We now expect 2022 volumes to total \$731 billion, \$38 billion lower than last month's forecast. We expect refinance volume to decrease further in 2023 to reach \$490 billion, down \$102 billion from last month's forecast.

Economic & Strategic Research (ESR) Group

September15, 2022

For a snapshot of macroeconomic and housing data between the monthly forecasts, please read ESR's Economic and Housing Weekly Notes.

Data sources for charts: Bureau of Labor Statistics, National Association of REALTORS[®], Census Bureau.

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ESR Macroeconomic Forecast Team

- Doug Duncan, SVP and Chief Economist
- Mark Palim, VP and Deputy Chief Economist
- Eric Brescia, Economics Manager
- Nick Embrey, Economist
- Nathaniel Drake, Economic Analyst
- Richard Goyette, Economic Analyst





Housing Forecast: September 2022

	2021				2022				2023						
	21.1	21.2	21.3	21.4	22.1	22.2	22.3	22.4	23.1	23.2	23.3	23.4	2021	2022	2023
SAAR, Thous. Units															
Total Housing Starts	1,581	1,591	1,569	1,679	1,720	1,655	1,394	1,299	1,228	1,205	1,214	1,246	1,601	1,517	1,223
Percent Change: YoY													16.0	-5.2	-19.4
Single-Family (1 Unit)	1,138	1,112	1,104	1,170	1,187	1,088	852	775	761	789	811	847	1,127	976	802
Percent Change: YoY													13.8	-13.5	-17.8
Multifamily (2+ Units)	443	479	465	509	533	567	542	525	468	416	403	399	474	542	421
Percent Change: YoY													21.8	14.3	-22.2
Total Home Sales	7,140	6,704	6,781	6,959	6,833	5,985	5,123	4,863	4,772	4,885	5,061	5,196	6,891	5,707	4,978
Percent Change: YoY													6.6	-17.2	-12.8
New Single-Family	853	754	715	755	776	611	517	491	488	527	579	612	771	599	552
Percent Change: YoY													-6.2	-22.3	-7.9
Existing (Single-Family, Condos/Co-Ops)	6,287	5,950	6,067	6,203	6,057	5,373	4,606	4,372	4,284	4,358	4,482	4,584	6,120	5,109	4,427
Percent Change: YoY													8.4	-16.5	-13.3
Percent Change: Quarterly YoY, Annual Q4/Q	 24														
Fannie Mae HPI	12.9	17.2	19.3	18.9	20.5	19.4	17.4	16.0	11.3	7.8	6.3	4.4	18.9	16.0	4.4
Percent: Quarterly Avg, Annual Avg															
30-Year Fixed Rate Mortgage	2.9	3.0	2.9	3.1	3.8	5.2	5.4	5.7	5.7	5.6	5.6	5.5	3.0	5.0	5.6
5-Year Adjustable Rate Mortgage	2.8	2.7	2.5	2.5	2.9	4.0	4.5	5.1	5.2	5.1	5.1	5.0	3.2	3.8	3.6
NSA, Bil. \$, 1-4 Units															
Single-Family Mortgage Originations	1,297	1,145	1,122	1,007	741	673	506	517	412	599	605	555	4,570	2,437	2,170
Purchase	371	510	529	490	395	510	410	391	300	474	477	430	1,900	1,706	1,681
Refinance	926	635	593	516	345	163	97	126	112	125	128	124	2,670	731	490
Refinance Share (Percent)	71	55	53	51	47	24	19	24	27	21	21	22	58	30	23
/	1 1			51		27	13	21	21	~1	~1		55		23

September 12, 2022

Note: Interest rate forecasts are based on rates from August 31, 2022; all other forecasts are based on the date above.

Note: All mortgage originations data are Fannie Mae estimates as there is no universal source for market-wide originations data.

Note: The Fannie Mae HPI forecast is updated on the first month of every quarter.

Note: Unshaded areas denote actuals. Shaded areas denote forecasts.

Sources: Actuals: Census Bureau, National Association of REALTORS®, Freddie Mac, Federal Reserve Board. Forecasts: Fannie Mae Economic & Strategic Research

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Economic Forecast: September 2022

	2021				2022				2023						
	21.1	21.2	21.3	21.4	22.1	22.2	22.3	22.4	23.1	23.2	23.3	23.4	2021	2022	2023
Percent Change: Quarterly SAAR, Annual Q4/															
Gross Domestic Product	6.3	6.7	2.3	6.9	-1.6	-0.6	1.3	0.7	-0.4	-1.5	-0.7	0.7	5.5	0.0	-0.5
Personal Consumption Expenditures (PCE)	11.4	12.0	2.0	2.5	1.8	1.5	1.5	2.2	0.3	-0.8	-0.1	1.1	6.9	1.7	0.1
Residential Fixed Investment	13.3	-11.7	-7.7	2.2	0.4	-16.2	-31.3	-25.3	-12.4	-0.4	5.7	8.0	-1.5	-18.9	-0.1
Business Fixed Investment	12.9	9.2	1.7	2.9	10.0	0.0	1.9	0.2	-4.0	-7.7	-6.6	-3.7	6.6	2.9	-5.5
Government Consumption & Investment	4.2	-2.0	0.9	-2.6	-2.9	-1.8	-0.7	1.7	3.3	1.4	1.4	1.5	0.1	-0.9	1.9
Billions of Chained 2012\$															
Net Exports	-1218	-1236	-1308	-1342	-1536	-1466	-1339	-1338	-1337	-1306	-1278	-1270	-1276	-1420	-1298
Change in Business Inventories	-88	-169	-67	193	188	84	61	65	59	28	-4	-20	-33	99	16
Percent Change: Quarterly YoY, Annual Q4/Q	4														
Consumer Price Index	1.9	4.8	5.3	6.7	8.0	8.6	8.1	7.2	5.5	3.5	2.6	2.0	6.7	7.2	2.0
Core Consumer Price Index (ex. Food & Energ	1.4	3.7	4.1	5.0	6.3	6.0	6.1	5.9	5.2	4.4	3.6	2.9	5.0	5.9	2.9
PCE Chain Price Index	1.8	3.9	4.3	5.5	6.3	6.5	6.1	5.5	4.4	3.2	2.6	1.9	5.5	5.5	1.9
Core PCE Chain Price Index (ex. Food & Energ	1.7	3.4	3.6	4.6	5.2	4.8	4.6	4.4	3.9	3.5	3.1	2.6	4.6	4.4	2.6
Change: Quarterly Avg Mo. Chg, Thous., Annual Mil.															
Employment, Total Nonfarm	645	422	543	637	539	349	329	87	17	-172	-275	-224	6.7	3.9	-2.0
Percent Change: Q4/Q4													4.3	3.0	-1.1
Percent: Quarterly Avg, Annual Avg															
Unemployment Rate	6.2	5.9	5.1	4.2	3.8	3.6	3.6	3.7	3.8	4.2	4.7	5.2	5.4	3.7	4.5
Federal Funds Rate	0.1	0.1	0.1	0.1	0.1	0.8	2.4	3.5	3.6	3.6	3.5	3.4	0.0	1.7	3.5
1-Year Treasury Note Yield	0.1	0.1	0.1	0.2	1.0	2.2	3.3	3.6	3.6	3.5	3.4	3.4	0.1	2.5	3.5
10-Year Treasury Note Yield	1.3	1.6	1.3	1.5	1.9	2.9	3.0	3.1	3.1	3.1	3.1	3.1	1.4	2.8	3.1

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September 12, 2022

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