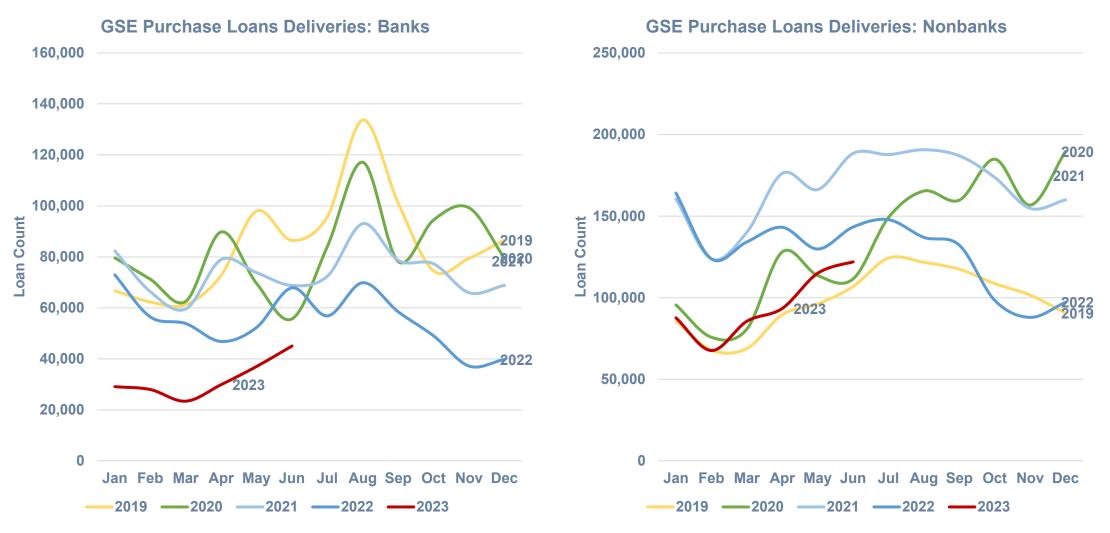
# **Recursion Macro Housing Analytics**

July 2023



## Bank purchase mortgage deliveries to the GSEs recover after the Q1 shock, but trail the prior four year's levels, while nonbank activity is more "normal"



Source: Fannie Mae, Freddie Mac, Recursion Co.

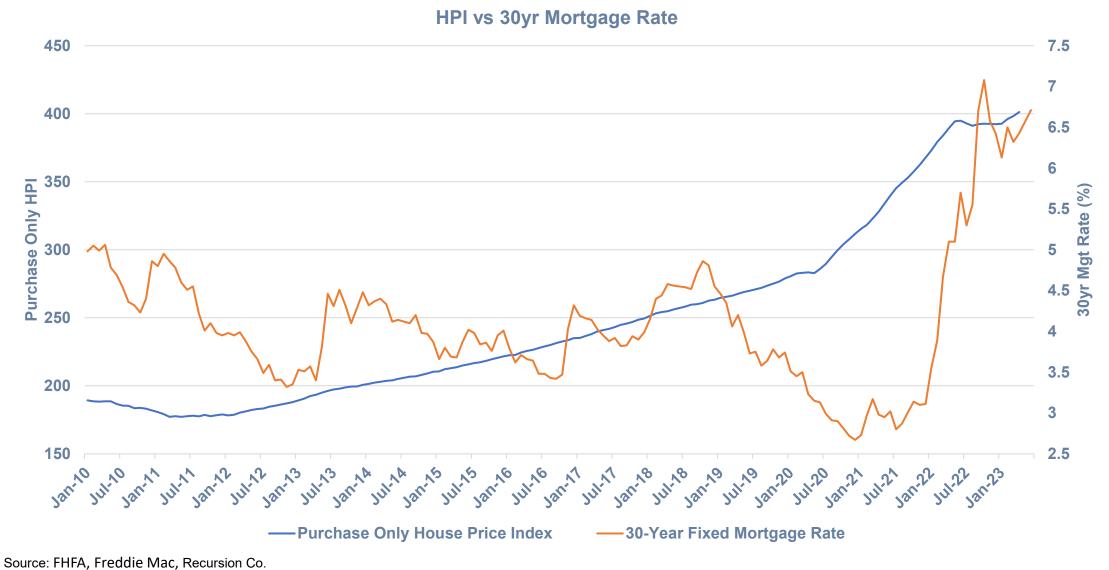


## **Q2** Recursion Macro Report

- o Overall mortgage deliveries remained subdued in Q2, particularly for refinance loans
- Purchase mortgage deliveries posted modest increases, boosted by seasonal factors and Agency fee cuts
- Deliveries are weighed down by the combination of elevated HPI and high borrowing costs near 7%
- $\circ$  A significant "thaw" in mortgage winter is unlikely until rates return close to 5%
- The Federal Reserve paused in its latest interest rate setting meeting following 10 consecutive hikes
- Dallas Fed President Logan indicated that the Fed would continue its "QT" policy of reducing its balance sheet even if the central bank commences a program of rate hikes
- Lending standards for conventional and Government loans can be characterized as "cautious"
- Evidence of borrower distress has faded
- A nearly simultaneous but highly differentiated pattern of fee changes demonstrates that borrowers have a preference for conventional over FHA loans when these are financially within reach



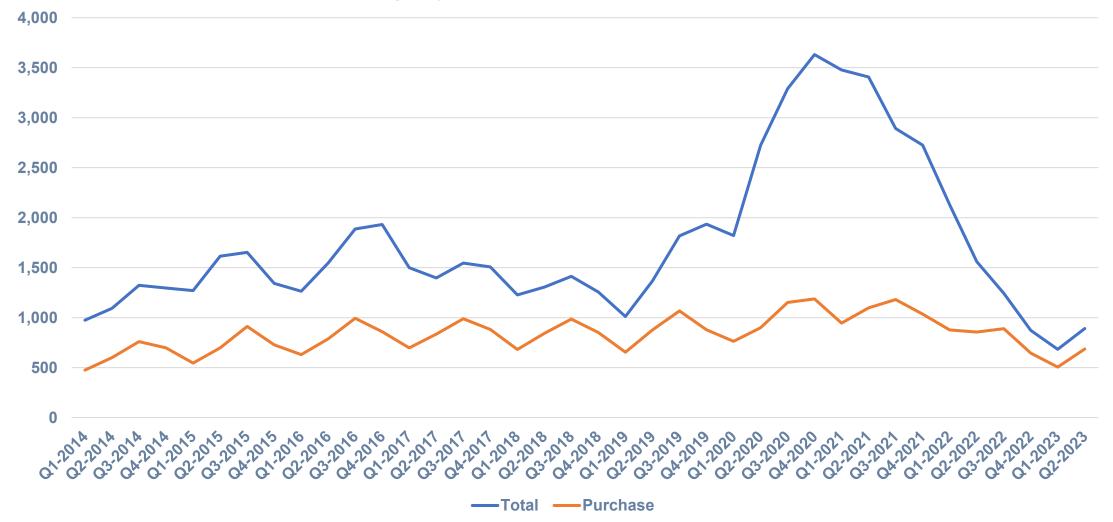
## The Covid shock and fiscal impulse continues to keep rates and HPI elevated



4 Macro Report July 2023

## Agency issuance rose in Q2 2023 after 9 consecutive quarterly declines. Too soon to call for a thaw in "Mortgage Winter".

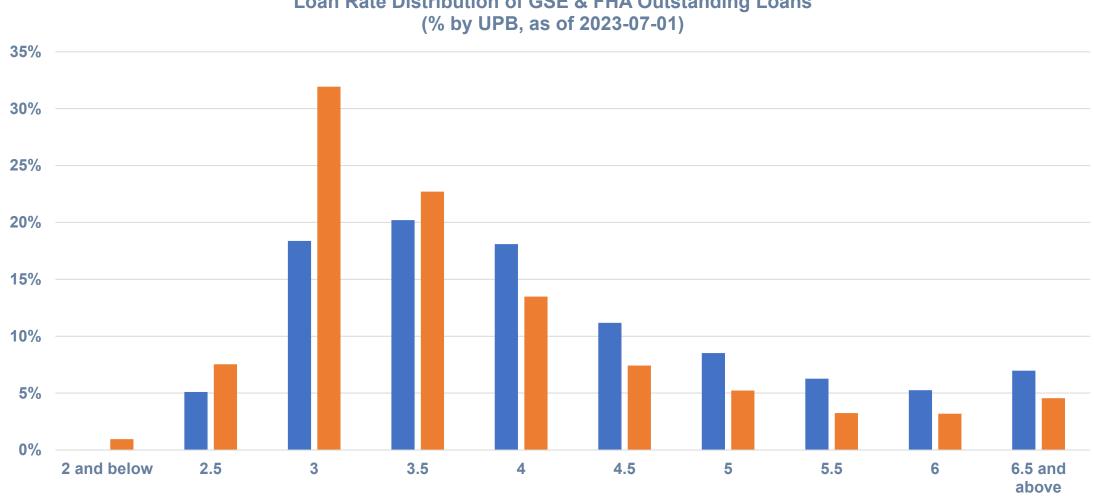
### Agency SF Issuance Loan Count ('000s)



Source: Fannie Mae, Freddie Mac, Ginnie Mae, Recursion Co.

#### 5

## A significant thaw requires mortgage rates at 5% or lower.



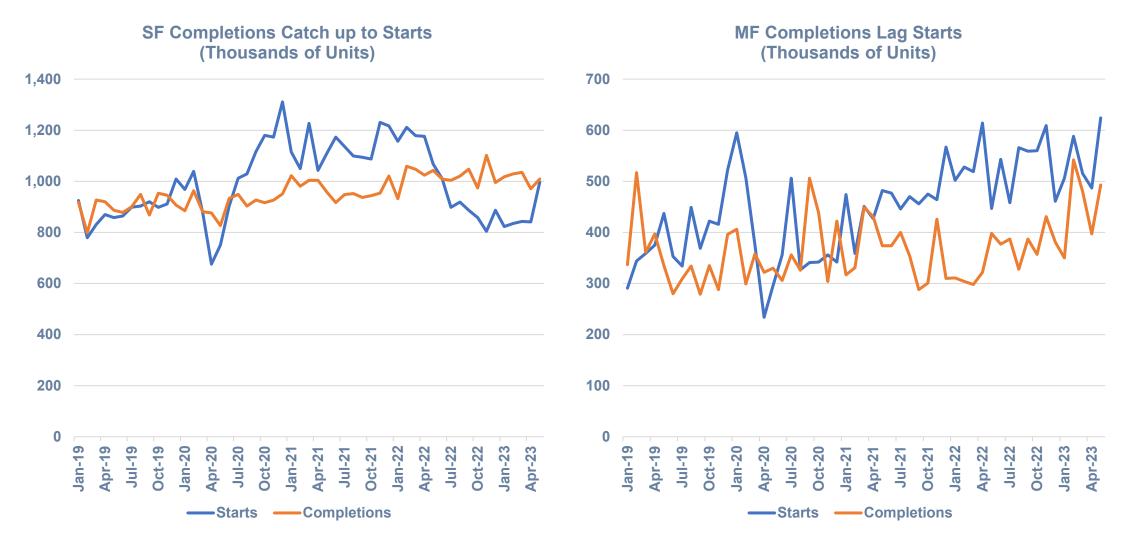
Loan Rate Distribution of GSE & FHA Outstanding Loans

■FHA ■GSE

Source: Fannie Mae, Freddie Mac, Ginnie Mae, Recursion Co.

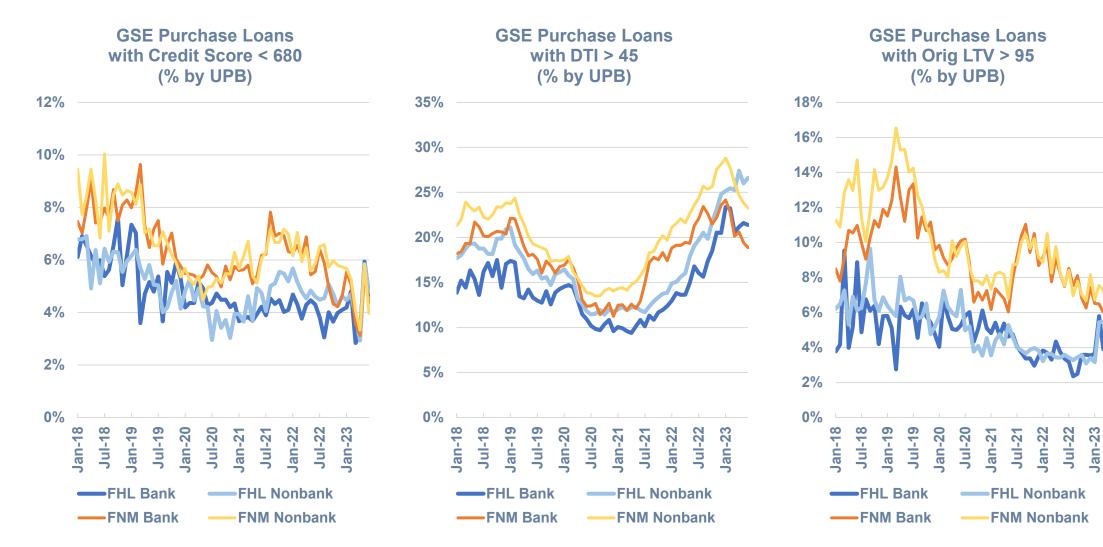
6

## Single family starts are in balance with completions while multifamily starts lag



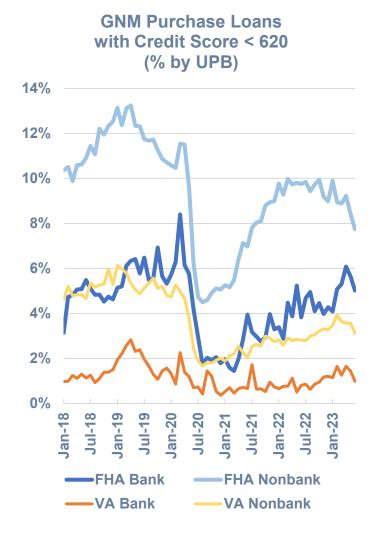
Source: Census Bureau, HUD, Recursion Co.

## Signs of caution in underwriting standards for GSE loans by banks and nonbanks, although a significant share of loans is going to highly indebted borrowers



Source: Fannie Mae, Freddie Mac, Recursion Co.

### In comparison, caution is more pronounced in FHA/VA lending standards



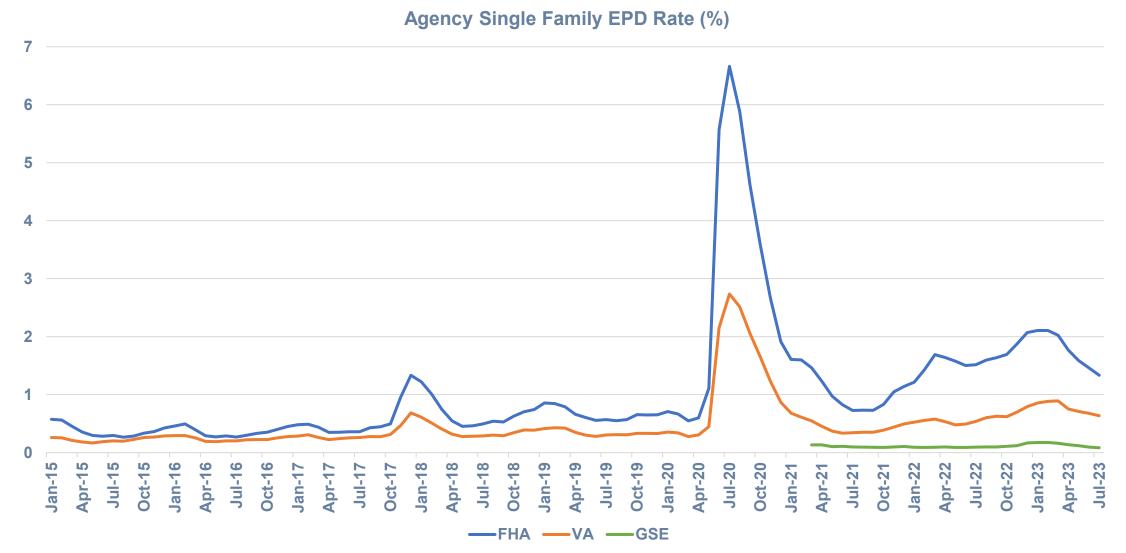


#### **GNM** Purchase Loans with Orig LTV > 95 (% by UPB) 95% 90% 85% 80% 75% 70% Jan-18 Jul-19 Jan-20 Jan-23 Jul-18 Jan-19 Jul-20 Jan-22 Jul-22 Jan-21 Jul-21 -FHA Bank -FHA Nonbank -VA Bank -VA Nonbank

Source: Ginnie Mae, Recursion Co.

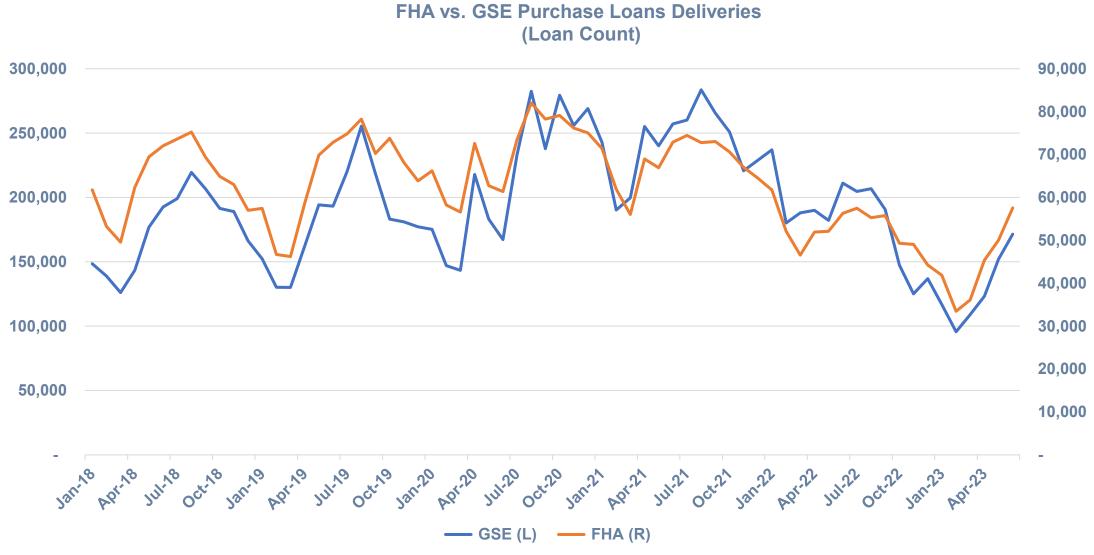
9

## **Early Payment Defaults declined across Agencies**



Source: Fannie Mae, Freddie Mac, Ginnie Mae, Recursion Co.

### Purchase loan deliveries have rebounded this year, boosted in part by fee reductions



Source: Fannie Mae, Freddie Mac, Ginnie Mae, Recursion Co.

## FHA cut its MIP by 30 bps in March, while the GSE's implemented complex changes in the structure of its upfront fees

	(Applicable for purchase loans with terms greater than 15 years)								
	LTV Range								
Credit Score	<u>&lt;</u> 30.00%	30.01 – 60.00%	60.01 – 70.00%	70.01 – 75.00%	75.01 – 80.00%	80.01 – 85.00%	85.01 – 90.00%	90.01 – 95.00%	>95.00%
≥ = 780	0.000%	0.000%	-0.250%	-0.250%	-0.125%	0.125%	0.000%	0.000%	-0.625%
760 – 779	0.000%	0.000%	-0.250%	0.000%	0.125%	0.375%	0.250%	0.250%	-0.500%
740 – 759	0.000%	0.000%	-0.125%	0.125%	0.375%	0.750%	0.500%	0.375%	-0.250%
720 – 739	0.000%	0.000%	0.000%	0.250%	0.500%	0.750%	0.500%	0.375%	-0.250%
700 – 719	0.000%	0.000%	-0.125%	-0.125%	0.125%	0.500%	0.250%	0.125%	-0.625%
680 – 699	0.000%	0.000%	0.125%	-0.125%	0.000%	0.375%	0.250%	0.125%	-0.375%
660 – 679	0.000%	0.000%	-0.250%	-0.875%	-0.875%	-0.625%	-0.500%	-0.625%	-1.000%
640 - 659	-0.500%	-0.500%	-0.125%	-1.250%	-0.750%	-0.750%	-0.750%	-0.875%	-1.250%
≤ 639	-0.500%	-0.375%	0.000%	-0.875%	-0.375%	-0.375%	-0.625%	-1.000%	-1.750%

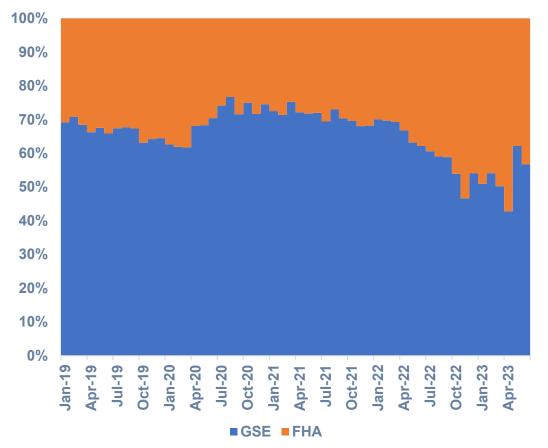
#### **Changes in GSE LLPAs Matrix**

(Applicable for purchase loans with terms greater than 15 years)

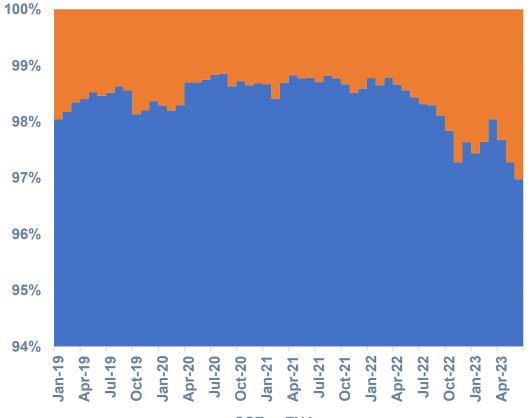
Source: Fannie Mae, Recursion Co.

## FHA gained market share in the cohort where the GSEs raised fees, but lost share otherwise

#### Cohort I: Agency Share of Purchase: Credit Score <680 LTV >75% and <=95%



#### Cohort II: Agency Share of Purchase: Credit Score >=680 LTV >75% and <=95%



GSE FHA

Source: Fannie Mae, Freddie Mac, Ginnie Mae, Recursion Co.

What's the outlook for mortgage market developments?

Subscribe today to Recursion Reports.

For more information, please reach out to inquiry@recursionco.com

www.recursionco.com



## Disclaimer

Recursion Co policy is to produce research reports as appropriate, based on developments within the market that are subject to change and may have a material impact on the research views or opinions stated herein. This document provides general information only, and has been prepared for, and is intended for general distribution to, Recursion Co clients. Neither the information nor any opinion expressed constitutes an offer or an invitation to make an offer, to buy or sell any securities or other financial instrument or any derivative related to such securities or instruments (e.g., options, futures and warrants).

Recursion Co is not acting as an investment advisor and the opinions or views contained herein are not intended to be, and do not constitute investment advice.



© 2022 Recursion, Co. All rights reserved.