

## November 2018 Highlights

- Total refinance volume increased in November 2018 after falling throughout most of the year in response to rising mortgage rates. Mortgage rates increased in November: the average interest rate on a 30 -year fixed rate mortgage rose to 4.87 percent from 4.83 percent in October.
In November 2018:
- Borrowers completed 449 refinances through HARP, bringing total refinances from the inception of the program to 3,493,961.
- HARP volume represented less than 1 percent of total refinance volume.
- One percent of the loans refinanced through HARP had a loan-to-value ratio greater than 125 percent.
Year to date through November 2018:
- Borrowers with loan-to-value ratios greater than 105 percent accounted for 16 percent of the volume of HARP loans.
- Thirty-three percent of HARP refinances for underwater borrowers were for shorter-term 15-and 20-year mortgages, which build equity faster than traditional 30-year mortgages.
- HARP refinances represented 2 percent of total refinances in Florida and Illinois compared to 1 percent of total refinances nationwide over the same period.
- Borrowers who refinanced through HARP had a lower delinquency rate compared to borrowers eligible for HARP who did not refinance through the program.
- Nine states and one territory accounted for over 70 percent of the nation's HARP eligible loans with a refinance incentive as of June 30, 2018.


## Overview and Eligibility of the Home Affordable Refinance Program (HARP)

## HARP Overview

HARP was established in 2009 to assist homeowners unable to access a refinance due to a decline in their home value. The inception date of the program was April 1, 2009.
The program is designed to provide these borrowers with an opportunity to refinance by permitting the transfer of existing mortgage insurance to their newly refinanced loan, or by allowing those without mortgage insurance on their previous loan to refinance without obtaining new coverage.

HARP enhancements took effect in 2012 to increase access to the program for responsible borrowers. The program was scheduled to expire on December 31, 2013, and was extended to expire on December 31, 2015. On May 8, 2015, HARP was extended again to expire on December 31, 2016. On August 25,2016 , HARP was extended once more to expire on September 30, 2017. On August 17, 2017, HARP was extended once more to expire on December 31, 2018.

## HARP Eligibility

Below are the basic HARP eligibility criteria:

- Loan must be owned or guaranteed by Fannie Mae or Freddie Mac.
- Loan must have been originated on or before May 31, 2009.
- Current loan-to-value ratio -- LTV -- (outstanding mortgage balance/home value) must be greater than 80 percent. There is no LTV ceiling.
- Borrower must be current on their mortgage payments at the time of the refinance.
- Payment history - borrower is allowed one late payment in the past 12 months, as long as it did not occur in the 6 months prior to the refinance.

Total refinance volume increased in November 2018 after falling throughout most of the year in response to rising mortgage rates. Mortgage rates increased in November: the average interest rate on a 30 -year fixed rate mortgage rose to 4.87 percent from 4.83 percent in October.

Mortgage Rates vs Refinance Volume


Source: FHFA (Fannie Mae and Freddie Mac)
A - Highest rate in 2008 for a 30-year mortgage.
B - GSEs placed into conservatorship on 09/06/08.
C - Fed announces MBS purchase program on 11/25/08.
D - Treasury rates sharply rose and reached a 2009 high on a better than expected June unemployment report.
E-30-year mortgage rates reached 4.17 percent in early November, marking the lowest level observed since Freddie Mac began tracking rates in 1971.
F - Treasury rates fell amid ongoing concerns of a growing debt crisis in Europe.

G - 30-year mortgage rates reached new historic lows in November 2012.
H - Mortgage rates rose after Federal Reserve Chairman Bernanke stated in late May that the central bank was considering slowing its $\$ 85$ billion per month bond buying program known as quantitative easing.
I - Highest rate for a 30-year mortgage since July 2011.
J - 30-year mortgage rates reached a monthly average of 3.67 percent in January, the lowest level seen since mid 2013.
K-30-year mortgage rates reached a monthly average of 4.05 percent in July 2015, the highest level observed since September 2014, amid expectations of a rate hike by the Federal Reserve.

L - The Federal Reserve raised the target federal funds rate from a range of $0 \%-0.25 \%$ to a range of $0.25 \%-0.5 \%$ on $12 / 16 / 15$ in response to a strengthening economy.
M - Treasury rates fell, amid a global flight to the safety of government debt, in response to uncertainty in the financial markets driven by the U.K. Brexit vote to leave the European Union.
N - The Federal Reserve raised the target federal funds rate from a range of $0.25 \%-0.5 \%$ to a range of $0.5 \%-0.75 \%$ on $12 / 14 / 16$ in response to a strengthening economy.

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In November 2018, 449 refinances were completed through HARP, bringing total refinances through HARP from the inception ${ }^{1}$ of the program to $3,493,961$.

## Refinances Through November 2018

| Total Refinances | November 2018 | Year to Date 2018 | 2017 | Inception to Date |
| :---: | :---: | :---: | :---: | :---: |
| Fannie Mae | 46,173 | 669,521 | 1,015,002 | 16,931,298 |
| Freddie Mac | 40,434 | 412,158 | 661,011 | 10,646,039 |
| Total | 86,607 | 1,081,679 | 1,676,013 | 27,577,337 |
| Total HARP |  |  |  |  |
| Fannie Mae | 321 | 6,712 | 22,485 | 2,069,807 |
| Freddie Mac | 128 | 3,221 | 13,870 | 1,424,154 |
| Total | 449 | 9,933 | 36,355 | 3,493,961 |
| HARP LTV > 80\% -105\% |  |  |  |  |
| Fannie Mae | 281 | 5,741 | 18,559 | 1,478,456 |
| Freddie Mac | 115 | 2,630 | 10,882 | 983,855 |
| Total | 396 | 8,371 | 29,441 | 2,462,311 |
| HARP LTV >105\%-125\% |  |  |  |  |
| Fannie Mae | 34 | 694 | 2,719 | 332,594 |
| Freddie Mac | 13 | 396 | 2,052 | 263,597 |
| Total | 47 | 1,090 | 4,771 | 596,191 |
| HARP LTV > $125 \%$ |  |  |  |  |
| Fannie Mae | 6 | 277 | 1,207 | 258,757 |
| Freddie Mac | 0 | $\underline{195}$ | 936 | 176,702 |
| Total | 6 | 472 | 2,143 | 435,459 |
| All Other Streamlined Refis |  |  |  |  |
| Fannie Mae | 1,579 | 26,940 | 69,877 | 2,556,363 |
| Freddie Mac | 615 | 11,720 | 40,941 | 1,492,397 |
| Total | 2,194 | 38,660 | 110,818 | 4,048,760 |

${ }^{1}$ Inception - April 1, 2009
Source: FHFA (Fannie Mae and Freddie Mac)

In November 2018, 507 loans were refinanced through HARP, representing less than 1 percent of total refinance volume during the month.

## HARP Refinance, Quarterly Volume

(Number of loans in thousands)


Source: FHFA (Fannie Mae and Freddie Mac)

From inception ${ }^{1}$ through November 2018, 2,918,652 loans refinanced through HARP were for primary residences, 110,870 were for second homes and 464,439 were for investment properties.

## HARP Loans by Property Type Inception through November 2018

|  | Total | Primary Residence | Second Home | Investment Property |
| :---: | :---: | :---: | :---: | :---: |
| Total HARP |  |  |  |  |
| Fannie Mae | 2,069,807 | 1,706,510 | 62,330 | 300,967 |
| Freddie Mac | 1,424,154 | 1,212.142 | 48.540 | 163,472 |
| Total | 3,493,961 | 2,918,652 | 110,870 | 464,439 |
| HARP LTV >80\% -105\% |  |  |  |  |
| Fannie Mae | 1,478,456 | 1,243,858 | 45,385 | 189,213 |
| Freddie Mac | 983,855 | 855,632 | 31,732 | 96,491 |
| Total | 2,462,311 | 2,099,490 | 77,117 | 285,704 |
| HARP LTV >105\% -125\% |  |  |  |  |
| Fannie Mae | 332,594 | 267,163 | 8,917 | 56,514 |
| Freddie Mac | 263,597 | 218,799 | 9,154 | 35,644 |
| Total | 596,191 | 485,962 | 18,071 | 92,158 |
| HARP LTV > $125 \%$ |  |  |  |  |
| Fannie Mae | 258,757 | 195,489 | 8,028 | 55,240 |
| Freddie Mac | 176,702 | 137,711 | 7,654 | 31,337 |
| Total | 435,459 | 333,200 | 15,682 | 86,577 |

[^0]In November 2018, 1 percent of the loans refinanced through HARP had a loan-to-value ratio greater than 125 percent.

Monthly HARP Volume by Loan-to-Value Ratio

${ }^{1}$ The number of completed HARP refinances reported for deeply underwater borrowers increased sharply in June 2012 as further enhancements to HARP went into effect. Starting June 1, 2012, lenders became able to deliver loans with loan-to-value ratios greater than 125 percent refinanced through HARP to the Enterprises to be securitized.

Source: FHFA (Fannie Mae and Freddie Mac)

Year to date through November 2018, borrowers with loan-to-value ratios greater than 105 percent accounted for 16 percent of the volume of HARP loans. Refinancing to shorter term mortgages accounted for 33 percent of HARP refinances for underwater borrowers (LTV greater than 105 percent). Shorter term 15and 20-year mortgages build equity faster than traditional 30-year mortgages.

## Percentage of HARP Refinances <br> by Loan-to-Value Ratio



[^1]Mortgage Term of HARP Refinances
of Underwater Borrowers (LTV Greater than 105\%)
${ }^{2}$ Includes 25-year and 40-year mortgages. Source: FHFA (Fannie Mae and Freddie Mac)

Borrowers who refinanced through HARP had a lower delinquency rate compared to borrowers eligible for HARP who did not refinance through the program.

Ever 90 Days Delinquency Rate ${ }^{1}$ : Fannie Mae and Freddie Mac

| Refinance or <br> Eligibility Month | Category | $>80-105 \%$ | $>105-125 \%$ | $>125 \%$ | Total |
| :---: | :--- | :---: | :---: | :---: | :---: |
| June 2009 | Loans Refinanced through HARP $^{2}$ | $8.3 \%$ |  |  | $8.3 \%$ |
|  | Loans Eligible for HARP $^{3}$ | $14.6 \%$ |  |  | $14.6 \%$ |
| June 2010 | Loans Refinanced through HARP | $9.7 \%$ | $19.0 \%$ |  | $10.3 \%$ |
|  | Loans Eligible for HARP | $10.7 \%$ | $19.0 \%$ |  | $12.2 \%$ |
| June 2011 | Loans Refinanced through HARP | $6.5 \%$ | $11.6 \%$ |  | $7.5 \%$ |
|  | Loans Eligible for HARP | $7.5 \%$ | $12.2 \%$ |  | $8.6 \%$ |
| June 2012 | Loans Refinanced through HARP | $3.3 \%$ | $4.8 \%$ | $8.2 \%$ | $5.6 \%$ |
|  | Loans Eligible for HARP | $6.1 \%$ | $8.8 \%$ | $13.1 \%$ | $8.0 \%$ |
| June 2013 | Loans Refinanced through HARP | $3.1 \%$ | $5.0 \%$ | $7.4 \%$ | $4.3 \%$ |
|  | Loans Eligible for HARP | $6.7 \%$ | $10.2 \%$ | $14.3 \%$ | $8.4 \%$ |
| June 2014 | Loans Refinanced through HARP | $4.9 \%$ | $7.0 \%$ | $9.3 \%$ | $5.6 \%$ |
|  | Loans Eligible for HARP | $6.7 \%$ | $10.6 \%$ | $14.2 \%$ | $8.1 \%$ |
| June 2015 | Loans Refinanced through HARP | $3.2 \%$ | $5.2 \%$ | $7.0 \%$ | $3.8 \%$ |
|  | Loans Eligible for HARP | $6.1 \%$ | $9.5 \%$ | $12.9 \%$ | $7.2 \%$ |
| June 2016 | Loans Refinanced through HARP | $2.7 \%$ | $3.7 \%$ | $4.9 \%$ | $3.1 \%$ |
|  | Loans Eligible for HARP | $4.8 \%$ | $7.3 \%$ | $10.0 \%$ | $5.5 \%$ |
| June 2017 | Loans Refinanced through HARP | $2.1 \%$ | $2.2 \%$ | $3.0 \%$ | $2.4 \%$ |
|  | Loans Eligible for HARP | $2.9 \%$ | $4.3 \%$ | $6.1 \%$ | $3.2 \%$ |

Notes
Source: FHFA (Fannie Mae and Freddie Mac)

1. This measures the cumulative percentage of loans that have become 90 or more days delinquent in any of the months after June 2009, 2010, 2011, 2012, 2013, $2014,2015,2016$ or 2017 (the refinance or eligibility date) through June 2018 for loans refinanced through HARP or eligible for HARP
2. This measures the ever $90+$ day delinquency percentage for loans refinanced through HARP during the month of June 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016 or 2017 .
3. This measures the ever $90+$ day delinquency percentage for loans that were eligible for refinancing through HARP but were not refinanced through the program as of the end of the reporting month of June 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016 or 2017. LTVs as of the eligibility date for loans are estimated using internal Fannie Mae and Freddie Mac house price indices at a zip code level. This measure may be understated because some loans may have later been paid off or refinanced through HARP
Fannie Mae defines a HARP eligible loan as being current on payments for the last 6 months with at most a single missed payment in the last 12 months for both HARP 1 and HARP 2 eligibility; Freddie Mac defines a HARP eligible loan as being current on payments for the last 12 months for HARP 1 (2009-2011) eligibility, or current on payments for the last 6 months with at most a single missed payment in the last 12 months for HARP 2 (2012 onward) eligibility.
Other eligibility rules specific to Fannie Mae and Freddie Mac may also apply.

Borrowers who refinanced through HARP had a lower delinquency rate compared to borrowers eligible for HARP who did not refinance through the program.


## Notes

 eligibility date) through June 2018 for loans refinanced through HARP or eligible for HARP.
 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016 or 2017. LTVs as of the eligibility date for loans are estimated using internal Fannie Mae and Freddie Mac house price indices at a zip code level. This measure may be understated because some loans may have later been paid off or refinanced through HARP
3. This measures the ever 90+ day delinquency percentage for loans refinanced through HARP during the month of June 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016 or 2017

 the last 12 months for HARP 2 (2012 onward) eligibility
Other eligibility rules specific to Fannie Mae and Freddie Mac may also apply.

## FHFA Refinance Report

Year to date through November 2018, HARP refinances represented 2 percent of total refinances in Florida and Illinois compared to 1 percent of total refinances nationwide over the same period.
Underwater borrowers accounted for a large portion of HARP refinances in a number of states. Year to date through November 2018, underwater borrowers represented 20 percent or more of HARP volume in Nevada, Florida and Michigan.



Nine states and one territory accounted for over 70 percent of the Nation's HARP eligible loans with a refinance incentive. The national total of HARP eligible loans with a refinance incentive was 38,818 as of June 30, 2018. Additional information can be found in an interactive map at www.HARP.gov.

HARP Eligible Loans with a Refinance Incentive*
Top Ten States and Territories
as of June 30, 2018


Source: FHFA (Fannie Mae and Freddie Mac)

* FHFA uses the following criteria to identify HARP eligible loans: Conventional loans originated before 6/1/2009; unpaid principal balance greater than 80 percent of current property value; and meet the payment history requirement of no delinquencies in the prior six months and at most one delinquency in the prior 12 months. To estimate the HARP-eligible with a refinance incentive population, FHFA applies the following filters to the HARP-eligible loans: Remaining balance greater than $\$ 50,000$; remaining term greater than ten years, and note rate 150 basis points ( $1.5 \%$ ) above the market rate.

Appendix: Data Tables
Fannie Mae and Freddie Mac - Monthly Refinance Volume (\# of loans)

|  | Nov-17 | Dec-17 | Jan-18 | Feb-18 | Mar-18 | Apr-18 | May-18 | Jun-18 | Jul-18 | Aug-18 | Sep-18 | Oct-18 | Nov-18 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total Refinances |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fannie Mae | 85,174 | 91,576 | 81,220 | 77,403 | 73,003 | 60,757 | 61,628 | 56,441 | 52,177 | 58,237 | 49,870 | 52,612 | 46,173 |
| Freddie Mac | 62,525 | 64,334 | 41,950 | 39,237 | 43,188 | 44,105 | 42,117 | 34,412 | 29,805 | 32,269 | 30,777 | 33,864 | 40,434 |
| Total | 147,699 | 155,910 | 123,170 | 116,640 | 116,191 | 104,862 | 103,745 | 90,853 | 81,982 | 90,506 | 80,647 | 86,476 | 86,607 |
| Total HARP |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fannie Mae | 1,393 | 1,231 | 1,031 | 814 | 889 | 695 | 734 | 584 | 465 | 456 | 367 | 356 | 321 |
| Freddie Mac | 730 | 771 | 526 | 478 | 401 | 322 | 343 | 295 | 231 | 195 | 151 | 151 | 128 |
| Total | 2,123 | 2,002 | 1,557 | 1,292 | 1,290 | 1,017 | 1,077 | 879 | 696 | 651 | 518 | 507 | 449 |
| HARP LTV >80\%-105\% |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fannie Mae | 1,162 | 1,045 | 863 | 730 | 729 | 602 | 626 | 509 | 392 | 394 | 306 | 309 | 281 |
| Freddie Mac | 584 | 588 | 453 | 384 | 330 | 270 | 267 | 236 | 169 | 154 | 132 | 120 | 115 |
| Total | 1,746 | 1,633 | 1,316 | 1,114 | 1,059 | 872 | 893 | 745 | 561 | 548 | 438 | 429 | 396 |
| HARP LTV > $105 \%$-125\% |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fannie Mae | 173 | 139 | 109 | 73 | 108 | 76 | 67 | 59 | 53 | 45 | 41 | 29 | 34 |
| Freddie Mac | 104 | 121 | 42 | 69 | 48 | 37 | 49 | 45 | 28 | 28 | 9 | 28 | 13 |
| Total | 277 | 260 | 151 | 142 | 156 | 113 | 116 | 104 | 81 | 73 | 50 | 57 | 47 |
| HARP LTV >125\% |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fannie Mae | 58 | 47 | 59 | 11 | 52 | 17 | 41 | 16 | 20 | 17 | 20 | 18 | 6 |
| Freddie Mac | 42 | 62 | 31 | 25 | 23 | 15 | 27 | 14 | 34 | 13 | 10 | 3 | - |
| Total | 100 | 109 | 90 | 36 | 75 | 32 | 68 | 30 | 54 | 30 | 30 | 21 | 6 |
| All Other Streamlined Refis |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fannie Mae | 4,618 | 4,721 | 3,629 | 3,574 | 3,160 | 2,787 | 3,044 | 2,189 | 1,854 | 1,868 | 1,722 | 1,534 | 1,579 |
| Freddie Mac | 2,491 | 2,808 | 1,884 | 1,682 | 1,462 | 1,285 | 1,269 | 906 | 740 | 676 | 610 | 591 | 615 |
| Total | 7,109 | 7,529 | 5,513 | 5,256 | 4,622 | 4,072 | 4,313 | 3,095 | 2,594 | 2,544 | 2,332 | 2,125 | 2,194 |

 percent.
 mortgage payments can refinance and reduce their monthly mortgage payments at loan-to-value ratios above 80 percent without any maximum loan-to-value limit.
Starting with the November 2012 Refinance Report, the definition of HARP for Fannie Mae has been expanded to include second home and investment property refinances with LTVs greater than 80 percent, which is consistent with the definition of HARP for Freddie Mac since the inception of the program.

 Loans may be originated by any Freddie Mac approved servicer.

Appendix: Data Tables
Fannie Mae - Loan Count by LTV and Product (Mortgage Term)

|  | Nov-17 | Dec-17 | Jan-18 | Feb-18 | Mar-18 | Apr-18 | May-18 | Jun-18 | Jul-18 | Aug-18 | Sep-18 | Oct-18 | Nov-18 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total Refinances |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FRM 30 (incl FRM 25 \& 40) | 52,083 | 57,249 | 53,665 | 51,460 | 46,450 | 37,342 | 41,023 | 38,482 | 37,202 | 41,634 | 36,096 | 37,746 | 33,373 |
| FRM 20 | 8,955 | 10,198 | 8,232 | 8,472 | 9,130 | 6,268 | 5,928 | 4,721 | 4,361 | 4,898 | 3,849 | 4,045 | 3,427 |
| FRM 15 | 22,602 | 22,675 | 17,806 | 16,203 | 16,550 | 15,760 | 13,157 | 12,170 | 9,767 | 10,649 | 9,021 | 10,153 | 8,836 |
| HARP > 80-105 LTV |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FRM 30 (incl FRM 25 \& 40) | 678 | 619 | 522 | 443 | 428 | 316 | 356 | 304 | 214 | 261 | 190 | 187 | 163 |
| FRM 20 | 209 | 198 | 153 | 130 | 156 | 153 | 119 | 92 | 88 | 57 | 38 | 66 | 54 |
| FRM 15 | 257 | 218 | 178 | 150 | 141 | 120 | 128 | 103 | 81 | 70 | 74 | 52 | 62 |
| HARP > 105-125 LTV |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FRM 30 (incl FRM 25 \& 40) | 109 | 98 | 65 | 46 | 61 | 57 | 52 | 36 | 29 | 29 | 27 | 19 | 28 |
| FRM 20 | 23 | 27 | 14 | 20 | 15 | 14 | 13 | 7 | 10 | 8 | 8 | 2 | 4 |
| FRM 15 | 41 | 14 | 30 | 7 | 32 | 5 | 2 | 16 | 14 | 8 | 6 | 8 | 2 |
| HARP > 125 LTV |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FRM 30 (incl FRM 25 \& 40) | 49 | 31 | 47 | 4 | 37 | 9 | 33 | 3 | 11 | 11 | 12 | - | 5 |
| FRM 20 | 1 | 10 | 6 | 2 | 9 | 4 | 4 | 1 | 4 | 1 | 5 | 12 | 1 |
| FRM 15 | 8 | 6 | 6 | 5 | 6 | 4 | 4 | 12 | 5 | 5 | 3 | 6 | - |
| All Other Streamlined Refis |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FRM 30 (incl FRM 25 \& 40) | 1,930 | 1,972 | 1,543 | 1,526 | 1,314 | 1,120 | 1,402 | 1,022 | 799 | 869 | 793 | 816 | 699 |
| FRM 20 | 763 | 943 | 673 | 697 | 678 | 502 | 515 | 312 | 363 | 308 | 245 | 239 | 276 |
| FRM 15 | 1,871 | 1,782 | 1,379 | 1,322 | 1,145 | 1,112 | 1,068 | 803 | 656 | 654 | 653 | 463 | 593 |

## Appendix: Data Tables

Freddie Mac - Loan Count by LTV and Product (Mortgage Term)

|  | Nov-17 | Dec-17 | Jan-18 | Feb-18 | Mar-18 | Apr-18 | May-18 | Jun-18 | Jul-18 | Aug-18 | Sep-18 | Oct-18 | Nov-18 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total Refinances |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FRM 30 (incl FRM 25 \& 40) | 40,530 | 41,806 | 26,612 | 24,440 | 28,728 | 30,211 | 28,902 | 23,783 | 20,636 | 22,975 | 21,365 | 24,627 | 31,140 |
| FRM 20 | 3,581 | 3,893 | 3,238 | 2,680 | 2,767 | 3,077 | 3,243 | 2,982 | 2,205 | 2,309 | 2,022 | 2,003 | 2,430 |
| FRM 15 | 17,128 | 17,692 | 11,414 | 11,662 | 11,160 | 10,048 | 9,354 | 7,240 | 6,588 | 6,664 | 6,972 | 6,807 | 6,532 |
| HARP > 80-105 LTV |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FRM 30 (incl FRM 25 \& 40) | 360 | 341 | 296 | 223 | 190 | 169 | 173 | 157 | 116 | 106 | 94 | 80 | 75 |
| FRM 20 | 82 | 128 | 77 | 65 | 61 | 42 | 40 | 36 | 23 | 24 | 12 | 18 | 15 |
| FRM 15 | 139 | 110 | 79 | 96 | 77 | 59 | 54 | 41 | 29 | 23 | 26 | 22 | 25 |
| HARP > 105-125 LTV |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FRM 30 (incl FRM 25 \& 40) | 73 | 75 | 36 | 52 | 24 | 28 | 44 | 35 | 16 | 23 | 7 | 19 | 10 |
| FRM 20 | 6 | 15 | - | 6 | 4 | 5 | 3 | 4 | 4 | 5 | 2 | 6 | 3 |
| FRM 15 | 25 | 31 | 6 | 11 | 20 | 4 | 2 | 6 | 8 | - | - | 3 | - |
| HARP > 125 LTV |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FRM 30 (incl FRM 25 \& 40) | 36 | 38 | 21 | 17 | 19 | 7 | 18 | 7 | 21 | 6 | 7 | 2 | - |
| FRM 20 | 1 | 11 | 6 | 6 | 2 | 5 | - | 5 | 2 | 3 | 1 | 1 | - |
| FRM 15 | 5 | 13 | 4 | 2 | 2 | 3 | 9 | 2 | 11 | 4 | 2 | - | - |
| All Other Streamlined Refis |  |  |  |  |  |  |  |  |  |  |  |  |  |
| FRM 30 (incl FRM 25 \& 40) | 1,064 | 1,157 | 823 | 649 | 649 | 581 | 560 | 469 | 377 | 382 | 334 | 319 | 306 |
| FRM 20 | 255 | 565 | 362 | 294 | 229 | 227 | 191 | 127 | 115 | 81 | 78 | 69 | 80 |
| FRM 15 | 1,168 | 1,075 | 688 | 733 | 581 | 473 | 514 | 307 | 244 | 211 | 196 | 201 | 229 |

Appendix: State Level Data
Enterprises Refinance Activity by State - November 30, 2018

|  | November 2018 |  |  |  |  |  | Year-to-Date 2018 |  |  |  |  |  | Inception to Date ${ }^{1}$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| State | Total Refinances | Other Streamlined Refis | $\begin{array}{\|c\|} \hline \text { HARP LTV } \\ >80 \%-105 \% \end{array}$ | $\begin{gathered} \text { HARP LTV } \\ >105 \%- \\ 125 \% \end{gathered}$ | HARP LTV $>125 \%$ | Total HARP | Total Refinances | Other Streamlined Refis | $\begin{aligned} & \text { HARP LTV } \\ & >80 \%-105 \% \end{aligned}$ | $\begin{gathered} \text { HARP LTV } \\ >105 \%- \\ 125 \% \end{gathered}$ | HARP LTV $>125 \%$ | Total HARP | Total Refinances | Other Streamlined Refis | $\begin{array}{\|c\|} \hline \text { HARP LTV } \\ >80 \%-105 \% \end{array}$ | $\begin{gathered} \hline \text { HARP LTV } \\ >105 \% \text { - } \\ 125 \% \end{gathered}$ | HARP LTV $>125 \%$ | Total HARP |
| AK | 138 | 5 |  |  |  |  | 2,029 | 61 | 3 |  |  | 3 | 61,003 | 9,973 | 2,250 | 32 | 11 | 2,293 |
| AL | 855 | 27 | 11 |  |  | 11 | 11,068 | 551 | 200 | 13 | 3 | 216 | 279,516 | 47,755 | 26,901 | 4,088 | 902 | 31,891 |
| AR | 622 | 13 | 3 |  |  | 3 | 6,801 | 271 | 30 | 1 | 1 | 32 | 158,636 | 29,091 | 12,077 | 1,705 | 324 | 14,106 |
| AZ | 3,154 | 76 | 20 | 4 |  | 24 | 37,146 | 1,172 | 416 | 38 | 15 | 469 | 682,750 | 90,371 | 84,131 | 38,813 | 43,973 | 166,917 |
| CA | 14,237 | 222 | 27 | 2 |  | 29 | 186,774 | 4,347 | 617 | 60 | 15 | 692 | 4,834,045 | 545,191 | 274,324 | 89,131 | 88,270 | 451,725 |
| CO | 3,138 | 43 |  |  |  |  | 40,725 | 717 | 33 | 2 |  | 35 | 817,265 | 123,787 | 53,126 | 4,897 | 1,100 | 59,123 |
| CT | 609 | 20 | 5 | 1 |  | 6 | 7,556 | 393 | 168 | 42 | 13 | 223 | 312,014 | 47,563 | 31,105 | 6,345 | 2,234 | 39,684 |
| DC | 179 | 10 |  |  |  |  | 2,233 | 104 | 6 |  | 2 | 8 | 72,197 | 9,155 | 3,082 | 351 | 178 | 3,611 |
| DE | 236 | 13 | 1 |  |  | 1 | 3,323 | 181 | 68 | 10 | 4 | 82 | 95,373 | 14,584 | 12,054 | 2,337 | 468 | 14,859 |
| FL | 5,084 | 154 | 48 | 8 |  | 56 | 63,329 | 2,483 | 838 | 154 | 54 | 1,046 | 1,154,136 | 202,247 | 155,230 | 73,062 | 100,321 | 328,613 |
| GA | 2,680 | 96 | 19 | 2 |  | 21 | 32,561 | 1,733 | 409 | 51 | 22 | 482 | 723,241 | 111,925 | 112,687 | 34,746 | 26,945 | 174,378 |
| HI | 228 | 13 |  |  |  |  | 3,868 | 186 | 10 |  |  | 10 | 116,133 | 14,685 | 7,504 | 1,300 | 588 | 9,392 |
| IA | 627 | 12 |  |  |  |  | 8,257 | 278 | 39 | 1 |  | 40 | 283,936 | 41,644 | 12,323 | 792 | 70 | 13,185 |
| ID | 701 | 12 | 1 |  |  | 1 | 8,286 | 207 | 24 | 5 |  | 29 | 157,940 | 21,985 | 19,802 | 6,738 | 3,536 | 30,076 |
| IL | 3,375 | 98 | 45 | 7 |  | 52 | 39,425 | 1,778 | 755 | 117 | 47 | 919 | 1,391,088 | 180,687 | 154,219 | 44,002 | 31,508 | 229,729 |
| IN | 1,587 | 42 | 5 |  |  | 5 | 19,027 | 897 | 134 | 8 | 2 | 144 | 515,015 | 80,733 | 43,698 | 4,318 | 711 | 48,727 |
| KS | 522 | 18 | 2 |  |  | 2 | 6,539 | 290 | 32 |  | 1 | 33 | 195,872 | 31,652 | 12,188 | 876 | 182 | 13,246 |
| KY | 872 | 26 | 1 | - |  | 1 | 10,608 | 392 | 39 | 3 |  | 42 | 284,588 | 40,302 | 14,639 | 833 | 122 | 15,594 |
| LA | 940 | 23 | 3 |  |  | 3 | 11,700 | 520 | 79 | 2 | 3 | 84 | 249,480 | 42,926 | 13,504 | 1,146 | 243 | 14,893 |
| MA | 1,845 | 59 | 4 | 1 |  | 5 | 24,311 | 1,023 | 101 | 11 | 1 | 113 | 832,092 | 76,468 | 54,356 | 8,592 | 2,254 | 65,202 |
| MD | 1,409 | 66 | 25 | 4 | 1 | 30 | 19,345 | 996 | 466 | 79 | 45 | 590 | 655,428 | 98,217 | 72,973 | 19,224 | 10,274 | 102,471 |
| ME | 282 | 11 |  |  |  |  | 3,381 | 132 | 27 | 1 |  | 28 | 99,838 | 14,707 | 8,916 | 1,031 | 154 | 10,101 |
| MI | 3,518 | 122 | 19 |  | 2 | 21 | 39,791 | 1,956 | 433 | 60 | 58 | 551 | 909,516 | 131,406 | 150,122 | 47,363 | 32,866 | 230,351 |
| MN | 1,826 | 59 | 7 | 1 |  | 8 | 22,617 | 830 | 130 | 12 | 1 | 143 | 656,410 | 100,767 | 90,238 | 19,640 | 6,674 | 116,552 |
| MO | 1,608 | 50 | 9 | 2 |  | 11 | 20,158 | 839 | 130 | 21 | 7 | 158 | 572,657 | 84,127 | 49,568 | 8,036 | 2,239 | 59,843 |
| MS | 476 | 18 | 2 |  |  | 2 | 5,299 | 242 | 67 | 7 | 1 | 75 | 119,577 | 21,371 | 10,493 | 1,422 | 411 | 12,326 |
| MT | 358 | 4 |  |  |  |  | 4,321 | 100 | 4 |  |  | 4 | 110,619 | 16,418 | 5,742 | 594 | 137 | 6,473 |
| NC | 2,132 | 67 | 9 | 1 |  | 10 | 28,140 | 1,448 | 221 | 15 | 3 | 239 | 784,117 | 150,316 | 77,440 | 9,986 | 1,632 | 89,058 |
| ND | 123 | 1 |  | - |  |  | 2,291 | 14 |  |  |  |  | 51,636 | 5,563 | 545 | 11 | 3 | 559 |
| NE | 490 | 15 | 1 |  |  | 1 | 5,729 | 150 | 6 |  |  | 6 | 169,034 | 28,079 | 7,853 | 303 | 26 | 8,182 |
| NH | 424 | 15 | 2 |  |  | 2 | 5,115 | 230 | 33 | 3 |  | 36 | 149,164 | 19,153 | 18,410 | 3,373 | 863 | 22,646 |
| NJ | 1,935 | 57 | 26 | 7 | 2 | 35 | 25,705 | 991 | 417 | 77 | 44 | 538 | 816,153 | 131,737 | 81,966 | 17,491 | 6,865 | 106,322 |
| NM | 363 | 16 | 4 |  |  | 4 | 5,050 | 306 | 65 | 2 | 1 | 68 | 142,897 | 25,511 | 16,433 | 2,413 | 268 | 19,114 |
| NV | 1,508 | 31 | 11 | 2 |  | 13 | 17,630 | 502 | 170 | 39 | 8 | 217 | 229,872 | 25,461 | 26,436 | 13,554 | 27,830 | 67,820 |
| NY | 2,768 | 58 | 2 |  |  | 2 | 32,380 | 1,398 | 225 | 32 | 10 | 267 | 966,857 | 193,128 | 64,796 | 8,696 | 2,435 | 75,927 |
| OH | 2,426 | 100 | 20 | 1 |  | 21 | 28,790 | 1,587 | 467 | 66 | 42 | 575 | 818,721 | 127,058 | 108,069 | 20,557 | 6,724 | 135,350 |
| OK | 605 | 25 | 1 |  |  | 1 | 7,725 | 293 | 35 | 1 | 1 | 37 | 182,385 | 28,210 | 8,955 | 334 | 73 | 9,362 |
| OR | 1,741 | 26 | 2 |  |  | 2 | 22,283 | 545 | 41 | 3 | 1 | 45 | 492,831 | 82,662 | 56,085 | 12,669 | 4,849 | 73,603 |
| PA | 2,103 | 93 | 19 |  |  | 19 | 27,133 | 1,419 | 345 | 34 | 19 | 398 | 849,190 | 150,140 | 67,331 | 8,497 | 2,262 | 78,090 |
| RI | 253 | 4 |  |  |  |  | 3,420 | 113 | 33 | 7 |  | 40 | 90,752 | 9,447 | 9,915 | 3,231 | 1,783 | 14,929 |
| SC | 1,053 | 27 | 2 | 1 |  | 3 | 13,825 | 671 | 143 | 13 | 11 | 167 | 329,873 | 51,364 | 35,043 | 6,787 | 2,934 | 44,764 |
| SD | 196 | 1 |  |  |  |  | 2,433 | 41 | 2 |  |  | 2 | 70,700 | 11,347 | 1,590 | 38 | 11 | 1,639 |
| TN | 1,536 | 39 | 5 |  |  | 5 | 19,984 | 672 | 88 | 8 | 3 | 99 | 411,596 | 66,288 | 33,105 | 4,336 | 906 | 38,347 |
| TX | 7,145 | 130 | 4 | 1 |  | 5 | 81,282 | 2,314 | 72 | 1 | 1 | 74 | 1,466,754 | 265,360 | 72,856 | 4,641 | 562 | 78,059 |
| UT | 1,512 | 14 |  |  |  |  | 18,876 | 280 | 23 | 2 |  | 25 | 368,823 | 42,325 | 34,803 | 6,696 | 1,541 | 43,040 |
| VA | 2,006 | 66 | 18 | 2 |  | 20 | 25,242 | 1,162 | 392 | 38 | 7 | 437 | 870,935 | 134,633 | 82,389 | 16,284 | 4,403 | 103,076 |
| VT | 130 | 4 |  |  |  |  | 1,903 | 91 | 22 | 1 |  | 23 | 67,561 | 7,620 | 2,829 | 206 | 26 | 3,061 |
| WA | 3,073 | 53 | 2 |  |  | 2 | 40,485 | 1,019 | 76 | 1 |  | 77 | 932,159 | 143,341 | 100,528 | 24,048 | 9,499 | 134,075 |
| WI | 1,466 | 28 | 6 |  | 1 | 7 | 19,344 | 547 | 135 | 20 | 12 | 167 | 786,526 | 99,606 | 56,038 | 7,935 | 2,349 | 66,322 |
| WV | 252 | 6 | 3 | - |  | 3 | 3,066 | 115 | 42 |  |  | 43 | 70,983 | 10,262 | 4,935 | 1,278 | 517 | 6,730 |
| WY | 169 | 6 | , |  |  |  | 2,123 | 55 | 8 |  |  | 8 | 55,225 | 8,377 | 2,627 | 263 | 80 | 2,970 |
| Other ${ }^{2}$ | 92 |  |  |  |  | 1 | 1,247 | 18 | 52 | 29 | 13 | 94 | 62,228 | 2,035 | 4,082 | 1,150 | 323 | 5,555 |
| Total | 86,607 | 2,194 | 396 | 47 | 6 | 449 | 1,081,679 | 38,660 | 8,371 | 1,090 | 472 | 9,933 | 27,577,337 | 4,048,760 | 2,462,311 | 596,191 | 435,459 | 3,493,961 |

${ }^{1}$ Inception to Date - Since April 1, 2009, the inception of HARP
${ }^{2}$ Consists of Guam, Puerto Rico, Virgin Islands and other loans for which data are not available.

## FHFA Refinance Report

Appendix: State Level Data
Fannie Mae Refinance Activity by State - November 30, 2018

|  | November 2018 |  |  |  |  |  | Year-to-Date 2018 |  |  |  |  |  | Inception to Date ${ }^{1}$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| State | Total Refinances | Other Streamlined Refis | $\begin{array}{\|c\|} \hline \text { HARP LTV } \\ >80 \%-105 \% \end{array}$ | $\begin{gathered} \text { HARP LTV } \\ >105 \% \text { - } \\ 125 \% \end{gathered}$ | HARP LTV >125\% | Total HARP | Total Refinances | Other Streamlined Refis | $\left.\begin{array}{\|c\|} \hline \text { HARP LTV } \\ >80 \%-105 \% \end{array} \right\rvert\,$ | $\begin{array}{\|c} \text { HARP LTV } \\ >105 \%- \\ 125 \% \end{array}$ | $\begin{gathered} \text { HARP LTV } \\ >125 \% \end{gathered}$ | Total HARP | Total Refinances | Other Streamlined Refis | $\begin{aligned} & \text { HARP LTV } \\ & >80 \%-105 \% \end{aligned}$ | $\begin{gathered} \text { HARP LTV } \\ >105 \%- \\ 125 \% \end{gathered}$ | HARP LTV >125\% | Total HARP |
| AK | 70 | 3 |  |  |  |  | 1,164 | 32 | 1 |  |  | 1 | 35,929 | 5,574 | 1,314 | 21 | 9 | 1,344 |
| AL | 509 | 21 | 7 |  |  | 7 | 6,924 | 396 | 141 | 7 | 1 | 149 | 188,944 | 32,804 | 17,767 | 2,589 | 566 | 20,922 |
| AR | 317 | 9 | 2 |  |  | 2 | 3,905 | 199 | 26 |  |  | 26 | 99,687 | 20,176 | 7,624 | 962 | 204 | 8,790 |
| AZ | 1,589 | 44 | 10 | 2 |  | 12 | 23,198 | 783 | 252 | 23 | 7 | 282 | 419,087 | 55,274 | 51,144 | 21,513 | 27,487 | 100,144 |
| CA | 7,712 | 160 | 22 |  |  | 22 | 121,338 | 2,926 | 431 | 33 | 10 | 474 | 3,107,174 | 360,495 | 174,605 | 50,191 | 52,100 | 276,896 |
| CO | 1,684 | 29 |  |  |  |  | 25,878 | 491 | 17 |  |  | 17 | 520,137 | 79,990 | 32,609 | 2,947 | 666 | 36,222 |
| CT | 306 | 13 | 5 | 1 |  | 6 | 4,539 | 295 | 113 | 27 | 8 | 148 | 191,949 | 31,759 | 19,799 | 3,826 | 1,424 | 25,049 |
| DC | 118 | 9 |  |  |  |  | 1,537 | 76 | 3 |  | 1 | 4 | 47,099 | 6,422 | 1,974 | 213 | 95 | 2,282 |
| DE | 120 | 8 | 1 |  |  | 1 | 2,042 | 125 | 52 | 4 | 3 | 59 | 58,684 | 9,491 | 7,412 | 1,442 | 330 | 9,184 |
| FL | 2,938 | 117 | 31 | 6 |  | 37 | 39,370 | 1,822 | 600 | 96 | 35 | 731 | 711,683 | 127,164 | 96,739 | 42,121 | 61,569 | 200,429 |
| GA | 1,416 | 67 | 13 | 2 |  | 15 | 19,333 | 1,199 | 267 | 31 | 7 | 305 | 438,225 | 71,881 | 69,493 | 18,999 | 15,046 | 103,538 |
| HI | 144 | 12 |  |  |  |  | 2,575 | 134 | 9 |  |  | 9 | 77,771 | 10,759 | 4,814 | 748 | 382 | 5,944 |
| IA | 369 | 10 |  |  |  |  | 5,272 | 213 | 24 |  |  | 24 | 178,622 | 23,996 | 6,771 | 463 | 50 | 7,284 |
| ID | 428 | 11 | 1 |  |  | 1 | 5,238 | 148 | 16 | 4 |  | 20 | 96,935 | 13,004 | 11,726 | 3,720 | 2,205 | 17,651 |
| IL | 1,596 | 63 | 30 | 6 |  | 36 | 22,918 | 1,183 | 521 | 80 | 29 | 630 | 801,288 | 113,837 | 89,540 | 22,404 | 16,452 | 128,396 |
| IN | 712 | 23 | 3 |  |  | 3 | 10,108 | 647 | 96 | 6 | , | 103 | 266,264 | 47,299 | 23,376 | 2,346 | 401 | 26,123 |
| KS | 272 | 13 | 1 |  |  | 1 | 3,755 | 205 | 24 |  | 1 | 25 | 105,522 | 18,978 | 7,280 | 536 | 124 | 7,940 |
| KY | 357 | 18 |  |  |  |  | 5,286 | 247 | 20 | 2 |  | 22 | 133,357 | 22,066 | 7,196 | 391 | 68 | 7,655 |
| LA | 483 | 15 | 3 |  |  | 3 | 7,147 | 387 | 56 | 2 | 1 | 59 | 168,386 | 30,222 | 8,259 | 581 | 139 | 8,979 |
| MA | 1,000 | 40 | 3 | 1 |  | 4 | 14,987 | 697 | 61 | 7 | 1 | 69 | 504,904 | 56,358 | 33,594 | 4,708 | 1,352 | 39,654 |
| MD | 788 | 51 | 18 | 4 | 1 | 23 | 11,955 | 677 | 313 | 49 | 25 | 387 | 395,074 | 59,040 | 44,322 | 11,108 | 6,479 | 61,909 |
| ME | 154 | 8 |  |  |  |  | 1,896 | 98 | 19 | 1 |  | 20 | 53,770 | 9,624 | 5,431 | 678 | 97 | 6,206 |
| MI | 1,740 | 83 | 16 |  | 2 | 18 | 23,750 | 1,373 | 314 | 38 | 34 | 386 | 533,251 | 78,240 | 89,346 | 25,141 | 18,253 | 132,740 |
| MN | 985 | 45 | 4 | 1 |  | 5 | 13,855 | 529 | 85 | 10 | 1 | 96 | 360,830 | 48,141 | 45,383 | 9,432 | 3,729 | 58,544 |
| MO | 901 | 41 | 5 | 2 |  | 7 | 12,193 | 589 | 76 | 12 | 1 | 89 | 332,565 | 54,123 | 28,464 | 4,439 | 1,168 | 34,071 |
| MS | 300 | 16 | 2 |  |  | 2 | 3,438 | 190 | 54 | 6 |  | 60 | 87,963 | 16,403 | 7,221 | 939 | 301 | 8,461 |
| MT | 186 | 4 |  |  |  |  | 2,684 | 75 | 3 |  |  | 3 | 71,277 | 10,436 | 3,596 | 350 | 104 | 4,050 |
| NC | 1,160 | 52 | 6 |  |  | 6 | 16,151 | 973 | 132 | 8 |  | 140 | 445,623 | 89,942 | 43,743 | 5,386 | 896 | 50,025 |
| ND | 72 | 1 |  |  |  |  | 1,158 | 9 |  | - | - |  | 30,765 | 3,007 | 319 | 8 | 1 | 328 |
| NE | 306 | 12 | 1 |  |  | 1 | 3,775 | 114 | 6 |  |  | 6 | 111,216 | 16,986 | 5,035 | 220 | 18 | 5,273 |
| NH | 229 | 11 | 2 |  |  | 2 | 3,013 | 165 | 24 | 2 |  | 26 | 86,405 | 12,655 | 10,949 | 1,868 | 530 | 13,347 |
| NJ | 1,017 | 39 | 20 | 5 | 2 | 27 | 16,394 | 716 | 286 | 50 | 29 | 365 | 518,059 | 83,853 | 52,001 | 10,176 | 4,246 | 66,423 |
| NM | 203 | 12 | 4 |  |  | 4 | 3,227 | 212 | 42 | 2 |  | 44 | 92,443 | 17,155 | 9,961 | 1,492 | 177 | 11,630 |
| NV | 909 | 25 | 7 | 1 |  | 8 | 11,589 | 370 | 114 | 27 | 5 | 146 | 143,474 | 15,956 | 16,849 | 8,011 | 16,692 | 41,552 |
| NY | 1,238 | 40 | 1 |  |  | 1 | 20,406 | 963 | 155 | 20 | 5 | 180 | 606,783 | 120,066 | 39,050 | 5,070 | 1,537 | 45,657 |
| OH | 1,126 | 63 | 16 | 1 |  | 17 | 15,839 | 1,097 | 347 | 39 | 25 | 411 | 428,396 | 76,093 | 59,644 | 10,761 | 3,667 | 74,072 |
| OK | 308 | 19 | 1 | - | - | 1 | 4,662 | 214 | 21 | 1 | 1 | 23 | 119,618 | 18,844 | 4,930 | 187 | 47 | 5,164 |
| OR | 942 | 18 | 1 |  |  | 1 | 13,945 | 343 | 32 | 1 |  | 33 | 293,020 | 48,865 | 32,610 | 7,153 | 3,000 | 42,763 |
| PA | 1,176 | 75 | 16 | - |  | 16 | 16,800 | 1,029 | 238 | 22 | 13 | 273 | 528,942 | 91,651 | 39,983 | 5,119 | 1,424 | 46,526 |
| RI | 122 | 3 |  |  |  |  | 2,001 | 84 | 25 | 6 |  | 31 | 54,640 | 6,385 | 6,312 | 1,843 | 1,116 | 9,271 |
| SC | 626 | 18 |  | 1 |  | 1 | 8,438 | 482 | 98 | 11 | 5 | 114 | 202,755 | 34,305 | 20,996 | 3,963 | 1,773 | 26,732 |
| SD | 104 | 1 |  |  |  |  | 1,510 | 30 |  |  |  |  | 50,953 | 6,341 | 934 | 27 | 9 | 970 |
| TN | 854 | 29 | 3 |  |  | 3 | 11,823 | 472 | 66 | 6 | 1 | 73 | 257,885 | 43,984 | 20,564 | 2,750 | 648 | 23,962 |
| TX | 3,963 | 108 | 3 | 1 |  | 4 | 53,457 | 1,704 | 53 | 1 | 1 | 55 | 988,216 | 172,136 | 47,882 | 3,242 | 369 | 51,493 |
| UT | 782 | 11 |  | - | - | - | 11,362 | 176 | 14 | - | - | 14 | 216,419 | 26,512 | 19,769 | 3,569 | 911 | 24,249 |
| VA | 1,021 | 46 | 15 |  |  | 15 | 15,170 | 797 | 256 | 25 | 6 | 287 | 530,887 | 84,951 | 50,710 | 9,591 | 2,920 | 63,221 |
| VT | 59 | 3 |  |  |  |  | 949 | 68 | 17 |  |  | 17 | 33,577 | 4,575 | 1,490 | 111 | 13 | 1,614 |
| WA | 1,701 | 36 | 2 |  |  | 2 | 25,706 | 671 | 59 | 1 |  | 60 | 579,103 | 92,733 | 60,704 | 13,609 | 6,025 | 80,338 |
| WI | 764 | 19 | 4 |  | 1 | 5 | 11,647 | 398 | 99 | 12 | 7 | 118 | 495,294 | 62,863 | 29,730 | 4,059 | 1,353 | 35,142 |
| WV | 125 | 2 | , |  |  | 1 | 1,757 | 77 | 22 |  | 1 | 23 | 41,186 | 6,206 | 2,837 | 607 | 287 | 3,731 |
| WY | 94 | 3 | 1 |  |  | 1 | 1,382 | 31 | 7 |  |  | 7 | 38,611 | 5,683 | 1,808 | 164 | 56 | 2,028 |
| Other ${ }^{2}$ | 78 |  |  |  |  |  | 1,075 | 9 | 34 | 22 | 12 | 68 | 50,651 | 1,060 | 2,847 | 800 | 242 | 3,889 |
| Total | 46,173 | 1,579 | 281 | 34 | 6 | 321 | 669,521 | 26,940 | 5,741 | 694 | 277 | 6,712 | 16,931,298 | 2,556,363 | 1,478,456 | 332,594 | 258,757 | 2,069,807 |

## FHFA Refinance Report

Appendix: State Level Data
Freddie Mac Refinance Activity by State - November 30, 2018

|  | November 2018 |  |  |  |  |  | Year-to-Date 2018 |  |  |  |  |  | Inception to Date ${ }^{1}$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| State | Total Refinances | Other Streamlined Refis | $\begin{aligned} & \text { HARP LTV } \\ & >80 \%-105 \% \end{aligned}$ | HARP LTV $>105 \%-$ $125 \%$ | $\begin{gathered} \text { HARP LTV } \\ >125 \% \end{gathered}$ | Total HARP | Total Refinances | Other Streamlined Refis | $\left.\begin{array}{\|c\|} \hline \text { HARP LTV } \\ >80 \%-105 \% \end{array} \right\rvert\,$ | $\begin{gathered} \hline \text { HARP LTV } \\ >105 \%- \\ 125 \% \end{gathered}$ | HARP LTV $>125 \%$ | Total HARP | Total Refinances | $\qquad$ | $\begin{aligned} & \text { HARP LTV } \\ & >80 \%-105 \% \end{aligned}$ | $\begin{gathered} \hline \text { HARP LTV } \\ >105 \%- \\ 125 \% \end{gathered}$ | HARP LTV $>125 \%$ | Total HARP |
| AK | 68 | 2 |  |  |  |  | 865 | 29 | 2 |  |  | 2 | 25,074 | 4,399 | 936 | 11 | 2 | 949 |
| AL | 346 | 6 | 4 |  |  | 4 | 4,144 | 155 | 59 | 6 | 2 | 67 | 90,572 | 14,951 | 9,134 | 1,499 | 336 | 10,969 |
| AR | 305 | 4 | 1 |  |  | 1 | 2,896 | 72 | 4 | 1 | 1 | 6 | 58,949 | 8,915 | 4,453 | 743 | 120 | 5,316 |
| AZ | 1,565 | 32 | 10 | 2 |  | 12 | 13,948 | 389 | 164 | 15 | 8 | 187 | 263,663 | 35,097 | 32,987 | 17,300 | 16,486 | 66,773 |
| CA | 6,525 | 62 | 5 | 2 |  | 7 | 65,436 | 1,421 | 186 | 27 | 5 | 218 | 1,726,871 | 184,696 | 99,719 | 38,940 | 36,170 | 174,829 |
| CO | 1,454 | 14 |  |  |  |  | 14,847 | 226 | 16 | 2 |  | 18 | 297,128 | 43,797 | 20,517 | 1,950 | 434 | 22,901 |
| CT | 303 | 7 |  |  |  |  | 3,017 | 98 | 55 | 15 | 5 | 75 | 120,065 | 15,804 | 11,306 | 2,519 | 810 | 14,635 |
| DC | 61 | 1 |  |  |  |  | 696 | 28 | 3 |  | 1 | 4 | 25,098 | 2,733 | 1,108 | 138 | 83 | 1,329 |
| DE | 116 | 5 |  |  |  |  | 1,281 | 56 | 16 | 6 | 1 | 23 | 36,689 | 5,093 | 4,642 | 895 | 138 | 5,675 |
| FL | 2,146 | 37 | 17 | 2 |  | 19 | 23,959 | 661 | 238 | 58 | 19 | 315 | 442,453 | 75,083 | 58,491 | 30,941 | 38,752 | 128,184 |
| GA | 1,264 | 29 | 6 |  |  | 6 | 13,228 | 534 | 142 | 20 | 15 | 177 | 285,016 | 40,044 | 43,194 | 15,747 | 11,899 | 70,840 |
| HI | 84 | 1 |  |  |  |  | 1,293 | 52 | 1 |  |  | 1 | 38,362 | 3,926 | 2,690 | 552 | 206 | 3,448 |
| IA | 258 | 2 |  |  |  |  | 2,985 | 65 | 15 | 1 |  | 16 | 105,314 | 17,648 | 5,552 | 329 | 20 | 5,901 |
| ID | 273 | 1 |  |  |  |  | 3,048 | 59 | 8 | 1 |  | 9 | 61,005 | 8,981 | 8,076 | 3,018 | 1,331 | 12,425 |
| IL | 1,779 | 35 | 15 | 1 |  | 16 | 16,507 | 595 | 234 | 37 | 18 | 289 | 589,800 | 66,850 | 64,679 | 21,598 | 15,056 | 101,333 |
| IN | 875 | 19 | 2 |  |  | 2 | 8,919 | 250 | 38 | 2 | 1 | 41 | 248,751 | 33,434 | 20,322 | 1,972 | 310 | 22,604 |
| KS | 250 | 5 | 1 |  |  | 1 | 2,784 | 85 | 8 |  | - | 8 | 90,350 | 12,674 | 4,908 | 340 | 58 | 5,306 |
| KY | 515 | 8 | 1 |  |  | 1 | 5,322 | 145 | 19 | 1 |  | 20 | 151,231 | 18,236 | 7,443 | 442 | 54 | 7,939 |
| LA | 457 | 8 |  |  |  |  | 4,553 | 133 | 23 |  | 2 | 25 | 81,094 | 12,704 | 5,245 | 565 | 104 | 5,914 |
| MA | 845 | 19 | 1 |  |  | 1 | 9,324 | 326 | 40 | 4 |  | 44 | 327,188 | 20,110 | 20,762 | 3,884 | 902 | 25,548 |
| MD | 621 | 15 | 7 |  |  | 7 | 7,390 | 319 | 153 | 30 | 20 | 203 | 260,354 | 39,177 | 28,651 | 8,116 | 3,795 | 40,562 |
| ME | 128 | 3 | - |  |  | - | 1,485 | 34 | 8 |  |  | 8 | 46,068 | 5,083 | 3,485 | 353 | 57 | 3,895 |
| MI | 1,778 | 39 | 3 |  |  | 3 | 16,041 | 583 | 119 | 22 | 24 | 165 | 376,265 | 53,166 | 60,776 | 22,222 | 14,613 | 97,611 |
| MN | 841 | 14 | 3 |  |  | 3 | 8,762 | 301 | 45 | 2 |  | 47 | 295,580 | 52,626 | 44,855 | 10,208 | 2,945 | 58,008 |
| MO | 707 | 9 | 4 |  |  | 4 | 7,965 | 250 | 54 | 9 | 6 | 69 | 240,092 | 30,004 | 21,104 | 3,597 | 1,071 | 25,772 |
| MS | 176 | 2 |  |  |  |  | 1,861 | 52 | 13 | 1 | 1 | 15 | 31,614 | 4,968 | 3,272 | 483 | 110 | 3,865 |
| MT | 172 |  |  |  |  |  | 1,637 | 25 | 1 |  |  | 1 | 39,342 | 5,982 | 2,146 | 244 | 33 | 2,423 |
| NC | 972 | 15 | 3 | 1 |  | 4 | 11,989 | 475 | 89 | 7 | 3 | 99 | 338,494 | 60,374 | 33,697 | 4,600 | 736 | 39,033 |
| ND | 51 |  |  |  |  | - | 1,133 | 5 |  | - |  |  | 20,871 | 2,556 | 226 | 3 | 2 | 231 |
| NE | 184 | 3 | - | - |  | - | 1,954 | 36 |  | - | - |  | 57,818 | 11,093 | 2,818 | 83 | 8 | 2,909 |
| NH | 195 | 4 |  |  |  |  | 2,102 | 65 | 9 | 1 |  | 10 | 62,759 | 6,498 | 7,461 | 1,505 | 333 | 9,299 |
| NJ | 918 | 18 | 6 | 2 |  | 8 | 9,311 | 275 | 131 | 27 | 15 | 173 | 298,094 | 47,884 | 29,965 | 7,315 | 2,619 | 39,899 |
| NM | 160 | 4 |  |  |  |  | 1,823 | 94 | 23 |  | , | 24 | 50,454 | 8,356 | 6,472 | 921 | 91 | 7,484 |
| NV | 599 | 6 | 4 | 1 |  | 5 | 6,041 | 132 | 56 | 12 | 3 | 71 | 86,398 | 9,505 | 9,587 | 5,543 | 11,138 | 26,268 |
| NY | 1,530 | 18 | 1 |  |  | 1 | 11,974 | 435 | 70 | 12 | 5 | 87 | 360,074 | 73,062 | 25,746 | 3,626 | 898 | 30,270 |
| OH | 1,300 | 37 | 4 |  |  | 4 | 12,951 | 490 | 120 | 27 | 17 | 164 | 390,325 | 50,965 | 48,425 | 9,796 | 3,057 | 61,278 |
| OK | 297 | 6 |  |  |  |  | 3,063 | 79 | 14 |  |  | 14 | 62,767 | 9,366 | 4,025 | 147 | 26 | 4,198 |
| OR | 799 | 8 | 1 |  |  | 1 | 8,338 | 202 | 9 | 2 | 1 | 12 | 199,811 | 33,797 | 23,475 | 5,516 | 1,849 | 30,840 |
| PA | 927 | 18 | 3 |  |  | 3 | 10,333 | 390 | 107 | 12 | 6 | 125 | 320,248 | 58,489 | 27,348 | 3,378 | 838 | 31,564 |
| RI | 131 | 1 |  |  |  |  | 1,419 | 29 | 8 | 1 |  | 9 | 36,112 | 3,062 | 3,603 | 1,388 | 667 | 5,658 |
| SC | 427 | 9 | 2 |  |  | 2 | 5,387 | 189 | 45 | 2 | 6 | 53 | 127,118 | 17,059 | 14,047 | 2,824 | 1,161 | 18,032 |
| SD | 92 |  |  | - |  |  | 923 | 11 | 2 |  |  | 2 | 19,747 | 5,006 | 656 | 11 | 2 | 669 |
| TN | 682 | 10 | 2 |  |  | 2 | 8,161 | 200 | 22 | 2 | 2 | 26 | 153,711 | 22,304 | 12,541 | 1,586 | 258 | 14,385 |
| TX | 3,182 | 22 | 1 |  |  | 1 | 27,825 | 610 | 19 |  |  | 19 | 478,538 | 93,224 | 24,974 | 1,399 | 193 | 26,566 |
| UT | 730 | 3 |  |  |  |  | 7,514 | 104 | 9 | 2 |  | 11 | 152,404 | 15,813 | 15,034 | 3,127 | 630 | 18,791 |
| VA | 985 | 20 | 3 | 2 |  | 5 | 10,072 | 365 | 136 | 13 | 1 | 150 | 340,048 | 49,682 | 31,679 | 6,693 | 1,483 | 39,855 |
| VT | 71 | 1 |  |  |  |  | 954 | 23 | 5 | 1 |  | 6 | 33,984 | 3,045 | 1,339 | 95 | 13 | 1,447 |
| WA | 1,372 | 17 |  |  |  |  | 14,779 | 348 | 17 |  |  | 17 | 353,056 | 50,608 | 39,824 | 10,439 | 3,474 | 53,737 |
| WI | 702 | 9 | 2 |  |  | 2 | 7,697 | 149 | 36 | 8 | 5 | 49 | 291,232 | 36,743 | 26,308 | 3,876 | 996 | 31,180 |
| WV | 127 | 4 | 2 |  |  | 2 | 1,309 | 38 | 20 |  |  | 20 | 29,797 | 4,056 | 2,098 | 671 | 230 | 2,999 |
| WY | 75 | 3 |  |  |  |  | 741 | 24 | 1 |  |  | 1 | 16,614 | 2,694 | 819 | 99 | 24 | 942 |
| Other ${ }^{2}$ | 14 |  | 1 |  |  | 1 | 172 | 9 | 18 | 7 | 1 | 26 | 11,577 | 975 | 1,235 | 350 | 81 | 1,666 |
| Total | 40,434 | 615 | 115 | 13 | - | 128 | 412,158 | 11,720 | 2,630 | 396 | 195 | 3,221 | 10,646,039 | 1,492,397 | 983,855 | 263,597 | 176,702 | 1,424,154 |


[^0]:    Source: FHFA (Fannie Mae and Freddie Mac)

[^1]:    ${ }^{1}$ Includes HARP LTV $>105 \%-125 \%$ and HARP LTV $>125 \%$.
    Source: FHFA (Fannie Mae and Freddie Mac)

