

#### 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

- 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.
  - FHIPA

- 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.

In November 2018, 449 refinances were completed through HARP, bringing total refinances through HARP from the inception<sup>1</sup> 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	<u>115</u>	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	<u>13</u> 47	1,090	4,771	596,191
HARP LTV >125%				
Fannie Mae	6	277	1,207	258,757
Freddie Mac	<u>0</u> 6	<u>195</u>	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	<u>615</u>	11,720	40,941	1,492,397
Total	2,194	38,660	110,818	4,048,760



<sup>1</sup> 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.



Source: FHFA (Fannie Mae and Freddie Mac)



From inception<sup>1</sup> 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

Source: FHFA (Fannie Mae and Freddie Mac)



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

<sup>1</sup> 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)



67%

33%

30-year<sup>2</sup>

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.



<sup>1</sup> Includes HARP LTV >105%-125% and HARP LTV >125%. Source: FHFA (Fannie Mae and Freddie Mac)

<sup>2</sup> Includes 25-year and 40-year mortgages. Source: FHFA (Fannie Mae and Freddie Mac)



15- and 20-year

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<sup>1</sup>: Fannie Mae and Freddie Mac

Refinance or Eligibility Month	Category	>80-105%	>105-125%	>125%	Total
June 2009	Loans Refinanced through HARP <sup>2</sup>	8.3%			8.3%
Julie 2009	Loans Eligible for HARP <sup>3</sup>	14.6%			14.6%
June 2010	Loans Refinanced through HARP	9.7%	19.0%		10.3%
June 2010	Loans Eligible for HARP	10.7%	19.0%		12.2%
June 2011	Loans Refinanced through HARP	6.5%	11.6%		7.5%
June 2011	Loans Eligible for HARP	7.5%	12.2%		8.6%
June 2012	Loans Refinanced through HARP	3.3%	4.8%	8.2%	5.6%
June 2012	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%
June 2013	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%
June 2014	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%

Source: FHFA (Fannie Mae and Freddie Mac)

Notes

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

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Other eligibility rules specific to Fannie Mae and Freddie Mac may also apply.



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 <u>www.HARP.gov</u>.



HARP Eligible Loans with a Refinance Incentive\* Top Ten States and Territories

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
Total Refinances									
Fannie Mae	85,174	91,576	81,220	77,403	73,003	60,757	61,628	56,441	52,177
Freddie Mac	62,525	64,334	41,950	39,237	43,188	44,105	42,117	34,412	29,805
Total	147,699	155,910	123,170	116,640	116,191	104,862	103,745	90,853	81,982
Total HARP									
Fannie Mae	1,393	1,231	1,031	814	889	695	734	584	465
Freddie Mac	730	771	526	478	401	322	343	295	231
Total	2,123	2,002	1,557	1,292	1,290	1,017	1,077	879	696
HARP LTV >80% -105%									
Fannie Mae	1,162	1,045	863	730	729	602	626	509	392
Freddie Mac	584	588	453	384	330	270	267	236	169
Total	1,746	1,633	1,316	1,114	1,059	872	893	745	561
HARP LTV >105% -125%									
Fannie Mae	173	139	109	73	108	76	67	59	53
Freddie Mac	104	121	42	69	48	37	49	45	28
Total	277	260	151	142	156	113	116	104	81
HARP LTV >125%									
Fannie Mae	58	47	59	11	52	17	41	16	20
Freddie Mac	42	62	31	25	23	15	27	14	34
Total	100	109	90	36	75	32	68	30	54
All Other Streamlined Refis									
Fannie Mae	4,618	4,721	3,629	3,574	3,160	2,787	3,044	2,189	1,854
Freddie Mac	2,491	2,808	1,884	1,682	1,462	1,285	1,269	906	740
Total	7,109	7,529	5,513	5,256	4,622	4,072	4,313	3,095	2,594

Notes:

Initially HARP Refinance Loans were defined as Fannie Mae to Fannie Mae and Freddie Mac to Freddie Mac first-lien refinance loans with limited and no cash out that have loan-to-value ratios over 80 percent up to 125 percent.

HARP Enhancements: On October 24, 2011, FHFA, Fannie Mae and Freddie Mac announced HARP changes to reach more borrowers. Effective December 1, 2011, existing Enterprise borrowers who are current on their 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.

All Other Streamlined Refis are streamlined refinances that do not qualify as HARP refinances. Fannie Mae implements streamlined refinances through the Refi Plus product for manual underwriting and DU Refi Plus product for loans underwritten through Desktop Underwriter. The product is available for refinances of existing Fannie Mae loans only. Freddie Mac implements streamlined refinances through the Relief Refinance Mortgage product. Loans may be originated by any Freddie Mac approved servicer.



### November 2018

Aug-18	Sep-18	Oct-18	Nov-18
58,237	49,870	52,612	46,173
32,269	30,777	33,864	40,434
90,506	80,647	86,476	86,607
456	367	356	321
195	151	151	128
651	518	507	449
394	306	309	281
154	132	120	115
548	438	429	396
45	41	29	34
28	9	28	13
73	50	57	47
17	20	18	6
13	10	3	-
30	30	21	6
1,868	1,722	1,534	1,579
676	610	591	615
2,544	2,332	2,125	2,194
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#### **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
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
FRM 20	8,955	10,198	8,232	8,472	9,130	6,268	5,928	4,721	4,361
FRM 15	22,602	22,675	17,806	16,203	16,550	15,760	13,157	12,170	9,767
HARP >80-105 LTV									
FRM 30 (incl FRM 25 & 40)	678	619	522	443	428	316	356	304	214
FRM 20	209	198	153	130	156	153	119	92	88
FRM 15	257	218	178	150	141	120	128	103	81
HARP >105-125 LTV									
FRM 30 (incl FRM 25 & 40)	109	98	65	46	61	57	52	36	29
FRM 20	23	27	14	20	15	14	13	7	10
FRM 15	41	14	30	7	32	5	2	16	14
HARP > 125 LTV									
FRM 30 (incl FRM 25 & 40)	49	31	47	4	37	9	33	3	11
FRM 20	1	10	6	2	9	4	4	1	4
FRM 15	8	6	6	5	6	4	4	12	5
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
FRM 20	763	943	673	697	678	502	515	312	363
FRM 15	1,871	1,782	1,379	1,322	1,145	1,112	1,068	803	656



## November 2018

Aug-18	Sep-18	Oct-18	Nov-18
41,634	36,096	37,746	33,373
4,898	3,849	4,045	3,427
10,649	9,021	10,153	8,836
261	190	187	163
57	38	66	54
70	74	52	62
29	27	19	28
8	8	2	4
8	6	8	2
11	12	-	5
1	5	12	1
5	3	6	-
869	793	816	699
308	245	239	276
654	653	463	593

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#### **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
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
FRM 20	3,581	3,893	3,238	2,680	2,767	3,077	3,243	2,982	2,205
FRM 15	17,128	17,692	11,414	11,662	11,160	10,048	9,354	7,240	6,588
HARP >80-105 LTV									
FRM 30 (incl FRM 25 & 40)	360	341	296	223	190	169	173	157	116
FRM 20	82	128	77	65	61	42	40	36	23
FRM 15	139	110	79	96	77	59	54	41	29
HARP >105-125 LTV									
FRM 30 (incl FRM 25 & 40)	73	75	36	52	24	28	44	35	16
FRM 20	6	15	-	6	4	5	3	4	4
FRM 15	25	31	6	11	20	4	2	6	8
HARP > 125 LTV									
FRM 30 (incl FRM 25 & 40)	36	38	21	17	19	7	18	7	21
FRM 20	1	11	6	6	2	5	-	5	2
FRM 15	5	13	4	2	2	3	9	2	11
All Other Streamlined Refis									
FRM 30 (incl FRM 25 & 40)	1,064	1,157	823	649	649	581	560	469	377
FRM 20	255	565	362	294	229	227	191	127	115
FRM 15	1,168	1,075	688	733	581	473	514	307	244



## November 2018

Aug-18	Sep-18	Oct-18	Nov-18
22,975	21,365	24,627	31,140
2,309	2,022	2,003	2,430
6,664	6,972	6,807	6,532
106	94	80	75
24	12	18	15
23	26	22	25
23	7	19	10
5	2	6	3
-	-	3	-
6	7	2	-
3	1	1	-
4	2	-	-
382	334	319	306
81	78	69	80
211	196	201	229
£ ! !	170	201	

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

			Novembe	r 2018			Year-to-Date 2018						Inception to Date <sup>1</sup>					
State	Total Refinances	Other Streamlined Refis	HARP LTV >80% -105%	HARP LTV >105% - 125%	HARP LTV >125%	Total HARP	Total Refinances	Other Streamlined Refis	HARP LTV >80% -105%	HARP LTV >105% - 125%	HARP LTV >125%	Total HARP	Total Refinances	Other Streamlined Refis	HARP LTV >80% - 105%	HARP LTV >105% - 125%	HARP LTV >125%	Total HARP
AK	138	5	-	-	-	-	2,029	61		-	-	3	61,003	9,973			11	2,293
AL	855	27		-	-	11	11,068	551	200	13	3	216	279,516	47,755			902	
AR AZ	622 3,154	13 76		-	-	<u> </u>	6,801 37,146		30 416	1	1 15	32 469	158,636 682,750	29,091 90,371	<u>12,077</u> 84,131		<u>324</u> 43,973	,
CA	14,237	222	20		-	29		4,347		60			4,834,045	545,191	274,324		88,270	
CO	3,138	43		-	-		40,725	717	33		-	35	817,265	123,787	53,126		1,100	59,123
СТ	609	20		1	-	6	7,556	393			13	223	312,014	47,563			2,234	
DC	179	10		-	-	-	2,233		6	-	2	8	72,197	9,155			178	
DE	236	13		-	-	1	3,323					82	95,373	14,584			468	
FL	5,084	154			-	56		2,483	838		54	· · · · · ·	1,154,136	202,247	155,230		100,321	
GA HI	2,680 228	<u>96</u> 13		2	-	21	32,561 3,868	1,733 186	409 10		22	<u>482</u> 10	723,241 116,133	<u>111,925</u> 14,685			<u>26,945</u> 588	
IA	627	13		-			8,257			1	-	40	283,936	41,644			70	13,185
ID	701	12		-	-	1	8,286	207	24	5	-	29	157,940	21,985	19,802		3,536	
IL	3,375	98	45	7	-	52			755	117	47	919	1,391,088	180,687	154,219		31,508	
IN	1,587	42		-	-	5	19,027		134	8	2	144	515,015	80,733			711	48,727
KS	522	18		-	-	2	6,539		32	-	1	33	195,872	31,652			182	
KY LA	872 940	26 23		-	-	<u>1</u>	10,608 11,700	392 520		3	-	42 84	284,588	40,302 42,926			<u>122</u> 243	
MA	1,845	<u> </u>		- 1	-	<u> </u>	24,311			 11	<u> </u>	113	249,480 832,092	76,468			243	
MD	1,409	66		4	1	30			466				655,428	98,217	72,973		10,274	
ME	282	11	-	-	-	-	3,381	132	27		-	28	99,838	14,707	8,916		154	
MI	3,518	122	19	-	2	21	39,791	1,956	433		58	551	909,516	131,406	150,122	47,363	32,866	230,351
MN	1,826	59		1	-	8	22,617	830	130		1	143	656,410	100,767	90,238	· · · · ·	6,674	116,552
MO	1,608	50		2	-	11					7	158	572,657	84,127	49,568		2,239	
MS MT	476 358	18	2	-	-	2	5,299 4,321	242 100	67	/	1	75	<u>119,577</u> 110,619	21,371 16,418	<u>10,493</u> 5,742	· · · · ·	<u>411</u> 137	12,326 6,473
NC	2,132	67	- 9	1	-	10	,	1,448	221	15	- 3	239	784,117	150,316	77,440		1,632	,
ND	123	1	-	-	-	-	2,291	· · · · · · · · · · · · · · · · · · ·	-	-	-	-	51,636	5,563		· · · · ·	3	559
NE	490	15	1	-	-	1	5,729	150	6	-	-	6	169,034	28,079	7,853	303	26	
NH	424	15		-	-	2	5,115	230	33		-	36	149,164	19,153		ţ	863	
NJ	1,935	57	26	7	2	35	,	991	417		44		816,153	131,737	81,966		6,865	· · · · · · · · · · · · · · · · · · ·
NM NV	363 1,508	16 31	4	- 2	-	4 13	5,050	306 502	65 170		1	68 217	142,897 229,872	<u>25,511</u> 25,461	<u>16,433</u> 26,436		<u>268</u> 27,830	
NY	2,768	58		-	-	2	32,380	1,398	225				966,857	193,128	64,796	· · ·	2,435	
OH	2,426	100		1	-	21		1,587	467				818,721	127,058	108,069	,	6,724	
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	22,283	545			1	45	492,831	82,662	56,085	ţ.	4,849	,
PA	2,103	93	19	-	-	19	,	· · · · · · · · · · · · · · · · · · ·	345		19		849,190	150,140	67,331		2,262	,
RI SC	253	4 27	-	-	-	-	3,420	113 671	33 143		- 11	40 167	90,752	9,447	9,915	· · · · ·	1,783	
SC SD	1,053 196		2	-	-		13,825 2,433	41	2	- 13	-	107	329,873 70,700	<u>51,364</u> 11,347	<u>35,043</u> 1,590	6,787 38	<u>2,934</u> 11	44,764
TN	1,536	39	5	-	-	- 5	19,984	672	88	8	3	99	411,596	66,288	33,105		906	· · · · · ·
TX	7,145	130		1	-	5	81,282	2,314	72		1	74	1,466,754	265,360	72,856	ţ	562	
UT	1,512	14		-	-	-	18,876	,	23	2	-	25	368,823	42,325			1,541	43,040
VA	2,006	66	18	2	-	20	· · · · ·				7	437	870,935	134,633			4,403	
VT	130	4	-	-	-	-	1,903				-	23	67,561	7,620			26	/
WA WI	3,073	53 28		-	-	2	40,485	1,019	76 135		- 12	77 167	932,159	143,341	100,528		9,499	
WV	1,466 252	<u>20</u>	0 2	-	-	2	19,344 3,066	547 115	42		12	167 43	786,526 70,983	<u>99,606</u> 10,262			<u>2,349</u> 517	
WY	169	6	1	_		1	2,123				-	-3	55,225	8,377	2,627	1	80	· · · · ·
Other <sup>2</sup>	92	-	1	-	-	1	1,247	18			13	94	62,228	2,035			323	
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



<sup>1</sup> Inception to Date - Since April 1, 2009, the inception of HARP.
<sup>2</sup> Consists of Guam, Puerto Rico, Virgin Islands and other loans for which data are not available.

## November 2018

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

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	November 2018 Year-to-Date 2018 Inception to Date <sup>1</sup>																		
A.         503         21         7         -         7         6.22         300         141         7         1         146         15.54         32.54         17.67         2.08         300         100		Refinances	Streamlined		>105% -				Streamlined		>105% -	HARP LTV >125%	Total HARP		Streamlined Refis	>80% -105%	>105% -	HARP LTV >125%	
AR       317       9       2       2       3.95       1.06       2.06        326       60.067       20.17       7.674       0.062       2.04       4         Co       1.08       2       1.02       2.04       1.02       2.04       1.02       2.04       1.02       2.04       1.02       2.04       1.02       2.04       1.02       2.04       1.02       2.04       1.02       2.04       1.02			3	-	-	-	-				-	-	1					9	1,344
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			21	7	-	-	7	· · · · · · · · · · · · · · · · · · ·				1		,	· · · · · · · · · · · · · · · · · · ·		· · · ·		,
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			9	2	-	-	2			26	-	-							
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					2	-		,						,					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		•		-	-	-		,										· · · · · ·	
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		/		5	1	_	6	· · · · · · · · · · · · · · · · · · ·				8			· · · · · · · · · · · · · · · · · · ·		· · · ·		· · · · · · · · · · · · · · · · · · ·
DE         120         8         1         -         1         2.042         132         62         4         3         69         63.664         9.401         7.412         1.442         3330         99           EA         1.145         C         13         2         -         13         2         13         2         000         06.36         731         711.053         12.168         12.168         12.168         12.168         12.168         12.168         12.168         12.168         12.168         12.168         12.168         12.168         12.168         12.168         13.168         12.168         13.168         13.168         13.168         13.168         14.168 <t< td=""><td></td><td></td><td>9</td><td>-</td><td>-</td><td>-</td><td></td><td></td><td></td><td></td><td>-</td><td>1</td><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>			9	-	-	-					-	1	4						
GA         1.4146         67         13         2         -         15         9.33         1.199         2.07         314         9         7.77         11.199         4.44         7.83         1.899         15.06         133           IA         336         10         -         -         2.277         11.44         9         7.77         11.199         4.44         7.43         320         5.30         5.30         5.30         5.30         5.30         5.30         5.30         5.30         5.30         5.30         5.30         5.30         5.30         5.30         5.30         5.22         13.30         8.30         6.31         8.30         8.30         2.33         5.22         13.30         8.30         2.33         7.18         9.77         13.30         8.30         2.33         7.18         9.77         13.30         8.30         2.33         7.18         9.33         7.18         9.30         2.33         1.14         9.33         1.14         9.33         1.14         9.33         1.14         9.33         1.14         9.33         1.14         9.33         1.14         9.33         1.14         9.33         1.14         9.33         1.14 <th< td=""><td></td><td>120</td><td>8</td><td>1</td><td>-</td><td>-</td><td>1</td><td>2,042</td><td>. 125</td><td>52</td><td>4</td><td>3</td><td>59</td><td>58,684</td><td></td><td></td><td>1,442</td><td>330</td><td></td></th<>		120	8	1	-	-	1	2,042	. 125	52	4	3	59	58,684			1,442	330	
H         144         12         -         -         27771         10759         4,814         748         382         5           ID         4/8         1         -         -         1         5,273         121         24         -         24         177622         23,086         6,771         463         66         77771         16,750         3,770         2,000         17           IB         122         23         30         6         -         1         5,273         144         5         66         62         66         26,264         17,755         2,274         2,00         2         77,771         16,756         2,372         2,00         2         7         22         16         1         25         105,552         17,956         391         164         7         7,950         393         164         7         14,497         66         2         1         66         16         164         16         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164					6	-	37							,	· · · · · ·		· · · ·	,	· · · · · · · · · · · · · · · · · · ·
IA         389         10         -         -         5.727         213         24         -         -         24         178.627         22.986         6.771         463         50         77           L         1.986         53         30         6         -         36         22.918         1.183         521         80         26         553         80.7288         11.9283         22.404         16.545         188           IN         712         23         3         -         -         36         22.418         1.38         521         80.28         530         80.788         11.928         52.08         2.41         59         30.222         82.95         591         1.98         8           MA         1.000         40         3         1         -         4         4.467         607         61         7         1         66         50.301         55.33         35.941         4.422         1.302         8         8         1.322         39         39.577         8.23         5.43         3.44         4.221         1.322         39         1.44         2.24         2.43         1.43         2.44         4.422         1.322				13	2	-	15	,			31	7	305		,		· · · · · · · · · · · · · · · · · · ·	· · · · · ·	
D         428         11         1         -         1         5.288         148         16         4         -         20         98.335         13.304         11.726         3.720         2.2265         17           IN         712         23         3         -         3         0.108         647         98         58.448         74.244         16.852         12.85         2.376         2.376         2.376         2.376         2.376         2.376         2.376         2.378         58.442         74.447         47.298         58.01         2.378         58.01         2.47         7         7         56         2         1         52         16.852         7.88         58.01         7.388         58.01         7.388         58.01         7.388         58.01         7.388         58.01         7.588         58.388         3.3944         4.7.387         59.01         7.0         56.388         3.3944         4.7.387         59.01         7.0         56.388         3.3944         4.4.288         1.138.558         58.391         3.3944         4.4.22         1.138.557         59.040         44.322         1.148.525         122         1.0         68.03.057         59.040         44.422 <td></td> <td></td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td></td> <td>-</td> <td>-</td> <td>9</td> <td></td> <td>· · · · · ·</td> <td></td> <td></td> <td></td> <td></td>				-	-	-	-	· · · · · · · · · · · · · · · · · · ·			-	-	9		· · · · · ·				
IN         1598         651         300         6         -         36         23,18         11,337         99,404         22,2404         16,622         18           IN         712         23         3         -         -         3         10,005         647         96         6         1         103         266,244         47,290         7,357         7,206         7,356         2,366         401         86         7,376         7,368         401         86         7,368         401         86         7,376         301         66         7,396         301         66         7,396         301         66         7,396         301         66         7,396         301         69         7,396         301         66         7,396         301         66         7,397         316         60         22         8,297         8,570         44         53         41,398         43         346         532,770         9,942         5,431         67,98         31         632         302         84,141         4,382         3,272         32,31         62,338         162         31         10,392         56         11,312         32,326         53,170         9,424		369		-	-	-	-		213		-	-				,			,
IN         712         23         3         -         3         10.108         647         96         6         1         103         262.64         47.299         23.376         23.46         401         26           KS         327         16         -         -         -         5.286         24         -         1         25         15.522         13.377         23.056         7.198         391         66         7           KY         357         16.8         -         -         -         5.286         24         -         12         13.357         23.056         7.198         391         66         7           MA         100         55         1         -         -         13.866         677         313         49         25         337         395.074         5.040         45.327         111.118         6.677         313         49         26         337         78.240         85.340         16.83.257         15.73         314         38         34         386         53.251         78.240         89.348         25.371         8.241         45.38         148         37.29         56.43.27         28.454         4.39.3	U II			30	-	-	36	· ·		10 521	4	- 20							
KS       272       13       1       -       -       1       3,755       226       244       -       1       255       105,522       115,523       116,523       116,523       116,523       116,523       116,523       116,523       116,523       116,523       116,523       116,523       116,523       116,523       116,523 </td <td>IN</td> <td></td> <td></td> <td>30</td> <td>-</td> <td>-</td> <td>30</td> <td></td> <td></td> <td></td> <td></td> <td>29</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	IN			30	-	-	30					29							
KY       357       18       -       -       5,266       247       20       2       -       22       133,37       22,066       7,196       391       68       77         MA       1,000       40       3       1       -       4       14,897       687       61       7       1       69       664,390       66,338       33,264       4,708       1,362       39         MD       788       61       168       4       123       11,955       677       31       49       25       387       35,074       56,438       33,264       4,708       1,362       39         MM       1,468       8       6       -       -       1,365       677       31       49       25       387       35,074       56,448       54,431       678       51       53       53       54       388       54       33       42,44       54,431       678       54,431       52,484       44,432       11,616       61       11,61       973       132       8       140       44,5623       69,942       43,743       53,386       89,942       43,743       53,386       89,942       43,743       53,38       11		1		1	-	_	1					1		,	· · · · · · · · · · · · · · · · · · ·				
LA         4483         15         3         -         3         7,147         937         566         2         1         699         168,386         30,222         8,283         581         1,383         83           MD         7788         61         18         4         123         11,995         677         313         49         25         387         356,074         55,040         44,322         11,108         6,779         61         7         1         69         64,17         61         7         1         69         64,374         55,038         33,534         47,08         67,78         67         67,73         31         49         25         387         35,770         69,247         67,71         67,87         67,73         314         49         346         53,270         61,373         314         38         342         386         63,231         67,824         69,346         25,141         18,233         9,424         3,333         9,424         3,333         9,424         3,333         9,424         3,333         9,424         3,333         9,424         3,333         9,424         3,333         9,424         3,333         9,424         3,333				-	-	-	-					-							
MA         1.000         400         3         1         -         4         14.987         667         61         7         1         69         50.404         53.358         33.364         4.708         11.352         33           MD         788         51         18         4         1255         677         313         45         25         395.071         59.040         45.422         11.08         6.479         65           MI         1.740         88         16         -         -         1.9365         652         53.257         78.240         69.348         25.141         16.257         12.21         1.936         58         65         10         1         86         59.457         78.240         69.348         25.141         16.25         13.72         39.576         13.34         36.6         1         86         59.423         32.666         33.257         13.24         39.43         3.44         14.45.83         9.432         3.72         39.57         13.34         14.35         14.35         14.35         14.35         14.35         14.35         14.35         14.35         14.35         14.35         14.35         14.35         14.35         14.				3	-	-	3	,	387	56	2	1					581		8,979
MD         778         51         18         4         1         23         11,965         977         313         49         25         367         395,074         559,040         44,322         11,107         6         677         6           MI         1,740         83         16         -         2         18         23,750         18,23         314         38         34         366         553,251         78,240         89,346         25,141         18,223         182           MO         985         46         4         1         -         51,866         529         86         10         1         96         303,043         48,14         43,330         48,4         44,433         44,433         1,168         34         46         44,44         44,433         1,168         34         46         46         44,433         1,168         44         44         44,433         1,168         44         46         47         43,434         1,168         43,44         44,543         33,56         336         184         48         46         46         43,224         44,44         43,44         43,44         43,44         43,44         43,44 <t< td=""><td>MA</td><td>1,000</td><td>40</td><td>3</td><td>1</td><td>-</td><td>4</td><td>14,987</td><td>697</td><td>61</td><td></td><td>1</td><td>69</td><td></td><td></td><td></td><td></td><td>1,352</td><td></td></t<>	MA	1,000	40	3	1	-	4	14,987	697	61		1	69					1,352	
Image         1740         83         16         2         18         23750         1373         314         38         34         386         53251         78.240         89.346         25.141         18.253         132           MO         901         41         5         13.855         52.9         85         10         1         89         332.566         54.123         94.33         94.32         94.83         94.33         94.43         94.33         94.43         94.33         94.43         94.33         94.43         94.33         94.33         94.33         94.33         94.33         94.33         94.33         94.33         94.33         94.33         94.33         94.33         94.33         94.33         94.33         94	MD	788	51	18	4	1	23			313	49	25	387	395,074	59,040				
IMN         985         45         4         1         -         5         13855         529         85         10         1         986         380,330         44,141         45,333         9,432         33729         588           MS         300         16         2         -         2         3,438         190         54         6         -         60         87,963         16,403         7,221         939         301         84           MT         1186         4         -         2         2,844         76         3         -         -         3         71,277         10,436         3,956         300         104         4           ND         72         1         -         -         6         111,216         10,3076         30,007         319         8         11           NH         220         11         2         2         30,118         66         -         -         6         66,406         12,685         10,049         16,86         503         13           NH         220         11         2         2         11,377         114         6         -         6         61,101,11			8	-	-	-	-	,				-		/	· · · · ·				- /
MO         901         41         5         2         -         7         1213         588         76         12         1         89         332,565         54,123         22,464         4,439         1188         99         501         8           MT         166         4         -         -         2,664         75         3         -         -         3         71,277         10,436         3,566         350         104         4           NC         1,160         52         6         -         6         16,151         973         132         8         -         10         445,623         89,942         43,743         5,386         896         50           NE         306         12         1         -         1         13,775         114         6         -         6         111,216         6,035         20         18         5           NH         229         11         2         -         2         3,013         165         24         2         -         26         86,405         12,655         10,949         1,863         33,016         13,042         10,761         3,467         14         11,		,		16	-	2	18		,								· · · · · · · · · · · · · · · · · · ·		
MS         300         16         2         -         2         3.83         190         54         6         -         600         87.963         116.403         7.221         939         301         8           MC         1.160         52         6         -         2.684         75         3         -         -         37.1277         10.435         359         43.743         55.88         896         50           ND         72         1         -         -         1.158         9         -         -         -         30.765         3.040         445.623         89.942         43.743         55.88         896         50           NH         229         1         -         1         3.775         114         6         -         -         6         1112.16         11.896         50.935         120         18         50         132.17         10.175         44.06         12.855         10.949         18.85         50.01         10.175         42.46         66         12.855         10.949         18.85         50.01         10.175         42.426         14         92.441         17.155         9.901         10.424         12.771				4	1	-	5	,							· · · · ·		· · · · ·		· · · · · · · · · · · · · · · · · · ·
MT         186         4         -         -         2.84         75         3         -         3         71/277         10.436         3.596         300         104         4           NC         1.160         52         6         -         6         16.151         973         132         8         -         140         445.23         89.42         43.743         5.366         896         50           ND         72         1         -         1         3.775         114         6         -         -         6         111/216         16.986         50.35         22.0         18         5           NH         229         11         2         -         2         3.013         185         24         2         -         26         86.405         12.855         10.949         1885         530         135           NM         203         12         4         -         -         4         3.227         12         42         2         -         444         92.655         16.898         360         11.427         5         146         143.474         15.596         15.606         50.707         15.397 <td< td=""><td></td><td></td><td></td><td>5</td><td>2</td><td>-</td><td>7</td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td></td></td<>				5	2	-	7					1					· · · · · · · · · · · · · · · · · · ·		
NC       1.160       52       6       -       6       1151       973       132       8       -       140       445,623       89.942       43.743       5,386       896       500         ND       72       1       -       -       1.168       9       -       -       -       3.076       3.007       319       8       1         NE       306       12       1       -       1       3.775       114       6       -       -       6       111,216       16,896       5.032       200       18       5         NJ       21017       39       20       5       2       27       16,394       716       266       50       29       365       518,059       8.63       5.001       10,176       4.246       66         NV       909       25       7       1       -       8       11,599       3107       144       27       5       146       143,474       15,565       16,648       8.011       16,692       411         NY       1.238       40       1       -       1       12,849       107       13.375       45       20       5       160			16	2	-	-	2				6	-	60	•					, ,
ND         72         1         -			52	-	-	-	6				-	-	3						
NE         306         12         1         -         1         3.775         114         6         -         -         6         111.216         16.986         5.035         2.20         18         55           NU         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           NM         203         12         4         -         4         3.227         212         42         2         -         44         92.437         11.559         3.661         1.4292         177         11           NV         909         25         7         1         -         1         120.466         963         155         20         5         140         606.783         120.666         39.050         5.070         1.537         454           OK         308         19         1         -         1         13.943         33         21         -         33         293.00         48.865         32.610         7.153         3.00         424           OR		,	1	-	-								-				3,300	1	328
NH         229         11         2         .         2         3,013         165         24         2         -         26         86,405         12,655         10,949         1,868         530         13           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           NM         203         12         4         -         4         3,227         212         42         2         -         44         92,443         17,155         9,961         1,422         177         11           NV         909         25         7         1         -         8         11,589         370         114         27         5         146         143,474         15,966         16,649         8,011         16,632         41         1         1         423         119,618         16,844         4930         187         47         5           OR         942         18         1         -         1         13,6462         343         32         1			12	1	-	-	1			6	-	_	6				220	18	
N.         1.017         39         20         5         2         27         16.394         716         286         50         29         365         518.058         83.853         52.001         10.176         4.246         66           NW         203         12         4         -         4         3.227         212         42         2         -         44         92.443         17.155         9.661         1.492         177         11           NV         909         25         7         1         -         1         20.406         983         155         20         5         146         143.474         15.956         16.849         8.011         16.692         411           NY         1.238         40         1         -         1         12.946         943         120.066         39.050         5.070         1.537         45           OR         3942         18         1         -         1         13.945         343         32         1         -         33         29.020         48.845         32.610         7.153         3.000         42           PA         1.176         75         16 <t< td=""><td></td><td></td><td></td><td>2</td><td>_</td><td>-</td><td>2</td><td>· · · · ·</td><td></td><td></td><td>2</td><td>-</td><td>26</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>				2	_	-	2	· · · · ·			2	-	26						
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	NJ		39	20	5	2	27					29	365		,	,	· · · · · · · · · · · · · · · · · · ·		
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	NM	203	12	4	-	-	4	3,227			2	-	44	92,443	17,155	9,961	1,492	177	11,630
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$				7	1	-	8					5		,			· · · ·		
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		,		1	-	-	1										•		
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		,		16	1	-	17	/	/			25			· · · · · ·			,	· · · · · · · · · · · · · · · · · · ·
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           RI         122         3         -         -         -         2,001         84         25         6         -         31         54,640         6,385         6,312         1,843         1,116         9           SC         626         18         -         1         8,438         482         98         11         5         14         202,755         34,305         20,996         1,773         26           SD         104         1         -         -         1,510         30         -         -         -         50,953         6,341         934         27         9           TN         854         29         3         -         -         3         11,823         472         66         6         1         73         257,885         43,984         20,664         2,750         648         23           TX         3,963         108         3         1         -         4 <td></td> <td></td> <td></td> <td>1</td> <td>-</td> <td>-</td> <td>1</td> <td>,</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>,</td> <td>,</td> <td></td> <td></td> <td></td>				1	-	-	1	,				1			,	,			
RI       122       3       -       -       2,001       84       25       6       -       31       54,640       6,385       6,312       1,843       1,116       9         SC       626       18       -       1       -       1       8,438       482       98       11       5       114       202,755       34,305       20,996       3,963       1,773       26         SD       104       1       -       -       1,510       30       -       -       50,953       6,341       934       27       9         TN       854       29       3       -       -       3       11,823       472       66       6       1       73       257,885       43,984       20,564       2,750       648       23         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         UT       782       11       -       -       11,362       176       14       -       14       216,419       26,512       19,769       3,569<				1	-	-						- 12		•	· ·				· · · · · · · · · · · · · · · · · · ·
SC         626         18         -         1         -         1         8,438         482         98         11         5         114         202,755         34,305         20,996         3,963         1,773         26           SD         104         1         -         -         -         1,510         30         -         -         50,953         6,341         934         27         9           TN         854         29         3         -         -         3         11,823         472         66         6         1         73         257,885         43,984         20,564         2,750         648         23           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           UT         782         11         -         -         -         11,362         176         14         -         14         216,419         26,512         19,790         3,669         911         24           VA         1,021         46         1		,		- 10		-	10												
SD       104       1       -       -       -       1,510       30       -       -       -       50,953       6,341       934       27       9         TN       854       29       3       -       -       3       11,823       472       66       6       1       73       257,885       43,984       20,564       2,750       648       23         TX       3,963       108       3       1       -       4       53,457       1,704       53       1       1       55       988,216       172,136       47,882       3,242       369       911       24         UT       782       11       -       -       -       11,362       176       14       -       14       216,419       26,512       19,701       3,569       911       24         VA       1,021       46       15       -       -       15       15,170       797       256       25       6       287       53,887       84,951       50,710       9,591       2,920       63         VT       59       3       -       -       15       11,1647       398       99       1       -				-	1	_	1	· · · · ·				5			· · · · · ·		,	· · · ·	-
TN         854         29         3         -         -         3         11,823         472         66         6         1         73         257,885         43,984         20,564         2,750         648         23           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           UT         782         11         -         -         11,362         176         14         -         -         14         216,419         26,512         19,769         3,569         911         24           VA         1,021         46         15         -         -         15         15,170         797         256         25         6         287         530,887         84,951         50,710         9,591         2,920         63           VT         59         3         -         -         15         15,170         797         256         25         6         287         530,887         84,951         50,710         9,591         2,920         63			1	-	-	-					-	-	-					9	970
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         UT       782       11       -       -       -       11,362       176       14       -       -       14       216,419       26,512       19,769       3,569       911       24         VA       1,021       46       15       -       -       15       15,170       797       256       25       6       287       530,887       84,951       50,710       9,591       2,920       63         VT       59       3       -       -       -       949       68       17       -       -       17       33,577       4,575       1,490       111       13       1         WA       1,701       36       2       -       -       25,706       671       59       1       -       60       579,103       92,733       60,704       13,609       6,025       80         W1       764       19       4       -       1       5       11,647       398       99 <td></td> <td></td> <td>29</td> <td>3</td> <td>-</td> <td>-</td> <td>3</td> <td>,</td> <td></td> <td></td> <td>6</td> <td>1</td> <td>73</td> <td></td> <td></td> <td></td> <td></td> <td>648</td> <td></td>			29	3	-	-	3	,			6	1	73					648	
UT         782         11         -         -         11,362         176         14         -         -         14         216,419         26,512         19,769         3,569         911         24           VA         1,021         46         15         -         -         15         15,170         797         256         25         6         287         530,887         84,951         50,710         9,591         2,920         63           VT         59         3         -         -         -         949         68         17         -         -         17         33,577         4,575         1,490         111         13         1           WA         1,701         36         2         -         -         225,706         671         59         1         -         60         579,103         92,733         60,704         13,609         6,025         80           WI         764         19         4         -         1         5         11,647         398         99         12         7         118         495,294         62,863         29,730         4,059         1,353         35           WV				3	1	-	4					1		,					
VT       59       3       -       -       -       949       68       17       -       -       17       33,577       4,575       1,490       111       13       1         WA       1,701       36       2       -       -       2       25,706       671       59       1       -       60       579,103       92,733       60,704       13,609       6,025       80         WI       764       19       4       -       1       5       11,647       398       99       12       7       118       495,294       62,863       29,730       4,059       1,353       35         WV       125       2       1       -       -       1       1,757       77       22       -       1       23       41,186       6,206       2,837       607       287       3       3         WY       94       3       1       -       -       1       1,382       31       7       -       -       7       38,611       5,683       1,808       164       56       2         Other <sup>2</sup> 78       -       -       -       1,075       9       34       2	UT	· · · · · ·	11	-	-	-	-		176			-					· · · · ·	911	
WA       1,701       36       2       -       -       2       25,706       671       59       1       -       60       579,103       92,733       60,704       13,609       6,025       80         WI       764       19       4       -       1       5       11,647       398       99       12       7       118       495,294       62,863       29,730       4,059       1,353       35         WV       125       2       1       -       -       1       1,757       77       22       -       1       23       41,186       6,206       2,837       607       287       3         WY       94       3       1       -       -       1       1,382       31       7       -       -       7       38,611       5,683       1,808       164       56       2         Other <sup>2</sup> 78       -       -       -       1,075       9       34       22       12       68       50,651       1,060       2,847       800       242       3				15	-	-	15					6							
WI         764         19         4         -         1         5         11,647         398         99         12         7         118         495,294         62,863         29,730         4,059         1,353         35           WV         125         2         1         -         -         1         1,757         77         22         -         1         23         41,186         6,206         2,837         607         287         3           WY         94         3         1         -         -         1         1,382         31         7         -         -         7         38,611         5,683         1,808         164         56         2           Other <sup>2</sup> 78         -         -         -         1,075         9         34         22         12         68         50,651         1,060         2,847         800         242         3				-	-	-	-					-							,
WV       125       2       1       -       -       1       1,757       77       22       -       1       23       41,186       6,206       2,837       607       287       3         WY       94       3       1       -       -       1       1,382       31       7       -       -       7       38,611       5,683       1,808       164       56       2         Other <sup>2</sup> 78       -       -       -       1,075       9       34       22       12       68       50,651       1,060       2,847       800       242       3				2	-	-	2					-		,	· · · · ·				
WY       94       3       1       -       1       1,382       31       7       -       7       38,611       5,683       1,808       164       56       2         Other <sup>2</sup> 78       -       -       -       -       1,075       9       34       22       12       68       50,651       1,060       2,847       800       242       3			19	4	-	1	5					7							
Other <sup>2</sup> 78 1,075 9 34 22 12 68 50,651 1,060 2,847 800 242 3			2	1	-	-	1	· · · · · · · · · · · · · · · · · · ·				1	23						· · · · · · · · · · · · · · · · · · ·
	0		3	1	-	-		Ť.				- 10	02						
	Total	46,173	1,579	281	34	6	321	· · · · ·						, ,	,				,



<sup>1</sup> Inception to Date - Since April 1, 2009, the inception of HARP.
<sup>2</sup> Consists of Guam, Puerto Rico, Virgin Islands and other loans for which data are not available.

## November 2018

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

	November 2018 Year-to-Date 2018 Inception to Date <sup>1</sup>																	
State	Total Refinances	Other Streamlined Refis	HARP LTV >80% -105%	HARP LTV >105% - 125%	HARP LTV >125%	Total HARP	Total Refinances	Other Streamlined Refis	HARP LTV >80% -105%	HARP LTV >105% - 125%	HARP LTV >125%	Total HARP	Total Refinances	Other Streamlined Refis	HARP LTV >80% -105%	HARP LTV >105% - 125%	HARP LTV >125%	Total HARP
AK	68	2	-	-	-	-	- 865			-	-	2	25,074				2	949
AL AR	346 305	6	4	-	-	4	4,144	155 72	59	6	2	67	90,572			· · · ·	<u>336</u> 120	
AR AZ	1,565	32	10	- 2	-	12	2,896 2 13,948		4 164	15		187	58,949 263,663	8,915 35,097			120	
CA	6,525	62	5	2	-	7	65,436		186			218	1,726,871	184,696				· · ·
CO	1,454	14	-	-	-	-	· 14,847				-	18				1,950	434	
СТ	303	7	-	-	-	-	. 3,017	98	55	15	5	75				•		
DC	61	1	-	-	-	-	- 696	28 56	3	-	1	4	25,098					/
DE	116	5	-	-	-		- 1,281				1	23					138	
<u> </u>	2,146	37	17	2	-	19	,						,				38,752	· · · · · ·
GA	1,264	29	6	-	-	6	13,228			20	15	177					11,899	
HI IA	84 258	1	-	-	-	-	- <u>1,293</u> - 2,985		15	-	-	16	<u>38,362</u> 105,314				<u>206</u> 20	· · · · ·
ID	238	2	-	-	-	-	· 2,985 · 3,048		10	1	-	9	61,005					
	1,779	35	15	1	-	16			234	37	18	289	589,800			· · · ·		
IN	875	19	2	-	-	2	8,919	250	38		1	41	248,751				310	
KS	250	5	1	-	-	1	2,784			-	-	8	90,350				58	
KY	515	8	1	-	-	1	5,322	145		1	-	20	151,231	18,236	7,443		54	,
LA	457	8	-	-	-	-	4,553				2	25	81,094				104	
MA	845	19	1	-	-	1	9,324				-	44	- )			,		
MD	621	15	7	-	-	7	7,390	319			20	203				8,116		
ME	128	3	-	-	-	•	1,485	34			-	8	46,068	· · · · · · · · · · · · · · · · · · ·	,	353	57	
MI MN	1,778 841	<u>39</u> 14	3	-	-	 	<b>16,041</b> 8,762	583 301			24	165 47	<u>376,265</u> 295,580	53,166 52,626			<u>14,613</u> 2,945	
MO	707	9	3			3	7,965	250			6	69					1,071	25,772
MS	176	2	-	_	-		1,861	52			1	15	,	4,968		483	110	
MT	172	-	-	-	-	-	1,637	25		-	-	1	39,342		,		33	
NC	972	15	3	1	-	4	11,989			7	3	99					736	
ND	51	-	-	-	-	-	- 1,133			-	-	-	20,871	2,556	226	3	2	2 231
NE	184	3	-	-	-		1,954	36		-	-	-	57,818		· · · · ·		8	2,909
NH	195	4	-	-	-		2,102	65		1	-	10	,			1,505	333	
NJ	918	18	6	2	-	8	9,311	275			15		,			7,315	2,619	
NM NV	160 599	4	-	- 1	-	5	- <u>1,823</u> 6,041	94 132				24 71	/			921 5,543	<u>91</u> 91,138	/
NY	1,530	18	4	-	-	1	11,974			12		87	360,074	73,062			898	
OH	1,300	37	4	-	-	4	12,951	490	120			_	390,325			,	3,057	
OK	297	6	-	-	-	-	. 3,063				-	14		· · · · · ·		147	26	· · · · · ·
OR	799	8	1	-	-	1	8,338	202			1	12	•	33,797	23,475	5,516	1,849	30,840
PA	927	18	3	-	-	3	10,333			12	6	125	320,248			•	838	
RI	131	1	-	-	-		1,419	29		1	-	9	36,112	3,062	· · · · ·	1,388	667	
SC	427	9	2	-	-	2	2 5,387	189			6	53					1,161	
SD TN	92	-	-	-	-		923	11			-	2	19,747			11	2	669
TN TX	682 3,182	10 22	2	-	-	2	8,161 27,825	200 610	<u> </u>		2	26 19		22,304 93,224		1,586 1,399	<u>258</u> 193	
UT	730	22	1	-	-		- 7,514	104	9		-	19	476,536		,	· · · · ·	630	
VA	985	20	3	2	_	5	<b>1</b> 0,072					150						
VT	71	1	-	-	-		954			1	-	6	33,984				13	
WA	1,372	17	-	-	-	-	14,779			-	-	17				10,439	3,474	
WI	702	9	2	-	-	2	2 7,697	149			5	49	291,232	· · · · · · · · · · · · · · · · · · ·	,		996	31,180
WV	127	4	2	-	-	2	1,309			-	-	20	,		· · ·		230	
WY 2	75	3	-	-	-	-	- 741			-	-	1	16,614	· · · · · ·				
Other <sup>2</sup>	14	-	1	-	-	1	172		18		1	26	,		,	350	81	1
Total	40,434	615	115	13	-	128	8 412,158	11,720	2,630	396	195	3,221	10,646,039	1,492,397	983,855	263,597	176,702	2 1,424,154



<sup>1</sup> Inception to Date - Since April 1, 2009, the inception of HARP.
<sup>2</sup> Consists of Guam, Puerto Rico, Virgin Islands and other loans for which data are not available.

## November 2018