



Residential Housing Finance Bond Resolution

Quarterly Disclosure Report
Information as of December 31, 2019
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This Disclosure Report provides additional information not required by any undertaking entered into by Minnesota Housing pursuant to Securities and Exchange Commission Rule 15c2-12. Minnesota Housing will separately file annual reports as required in the undertakings which it has entered into under Rule 15c2-12.

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This publication is available upon request in alternative formats.*

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Residential Housing Finance Bonds Disclaimer

All information contained herein has been furnished or obtained by the Minnesota Housing Finance Agency (the “Agency” or “Minnesota Housing”) from sources believed to be accurate and reliable. The information contained in this Disclosure Report speaks only as of December 31, 2019 (except as expressly stated otherwise), is subject to change without notice and delivery of this information shall not, under any circumstances, create any implication that there has been no change in the affairs of the Agency since December 31, 2019. In particular, information provided herein relating to redemption provisions and call priorities is only a partial summary of the complete terms contained in the Official Statement or Private Placement Memorandum and operative documents for each series of Bonds. Reference should be made to the Official Statement or Private Placement Memorandum and the operative documents for each series of Bonds for a complete statement of the terms of such series. Under no circumstances shall the Agency have any liability to any person or entity for (1) any loss or damage in whole or part caused by, resulting from or relating to any error (occasioned by neglect or otherwise) or other circumstances involved in procuring, collecting, compiling, interpreting, analyzing, editing, transcribing, communicating or delivering any such information, or (2) any direct, indirect, special, consequential or incidental damages whatsoever, even if the Agency is advised in advance of the possibility of such damages, resulting from the use of, or inability to use, any such information.

THIS IS NOT AN OFFERING DOCUMENT.

The following information relates to bond issues of Minnesota Housing issued under the Residential Housing Finance Bond Resolution that have been sold and distributed in underwritten public offerings described in the related Official Statements or in private placements described in the related Private Placement Memoranda. Each viewer of the following information acknowledges that (i) Minnesota Housing is not now by this document offering any bonds or other securities nor soliciting an offer to buy any securities, (ii) this information is not to be construed as a description of Minnesota Housing or its programs in conjunction with any offering of bonds or securities of Minnesota Housing – such offerings are made only pursuant to the appropriate offering documents of Minnesota Housing – nor shall anyone assume from the availability of the following information that the affairs of Minnesota Housing (or its programs) have not changed since the date of this information, (iii) no representation is made as to the propriety or legality of any secondary market trading of the bonds or other securities of Minnesota Housing by anyone in any jurisdiction, and (iv) Minnesota Housing does not hereby obligate itself in any manner to update this information periodically or otherwise.

**Residential Housing Finance Bond Resolution
Overview
Information as of December 31, 2019**

The Residential Housing Finance Bond Resolution was adopted on August 24, 1995 by the amendment and restatement of the State Assisted Home Improvement Bond Resolution and has since been amended and supplemented from time to time. Pursuant to the Bond Resolution, the Agency issues its Residential Housing Finance Bonds and has established bond funds relating to the Bonds. The Agency also established under the Bond Resolution, the Endowment Fund (including the three subfunds therein entitled the Home Improvement Endowment Fund, the Homeownership Endowment Fund and the Multifamily Housing Endowment Fund) and the Alternative Loan Fund. Pursuant to an amendment to the Bond Resolution, the Endowment Fund (and its three subfunds) was closed effective July 1, 2007, and all funds and assets therein were transferred to the Alternative Loan Fund.

The Alternative Loan Fund is not pledged to the payment of the Residential Housing Finance Bonds. Rather, any funds that may be on deposit therein are generally available to pay any debt obligations of the Agency. This disclosure report includes information only about the Residential Housing Finance Bonds. It does not include information about the Alternative Loan Fund.

For further information please refer to the audited financial statements of the Agency for the fiscal year ended June 30, 2019. You can retrieve a copy from Minnesota Housing's website at www.mnhousing.gov or contact the Agency to request a copy.

The Agency has traditionally purchased "whole loans" (i.e., the Agency directly purchased single family mortgage loans from lenders) and financed such purchases with proceeds of Bonds. In 2009, the Agency changed its program to acquire mortgage-backed securities guaranteed as to timely payment of principal and interest by GNMA, Fannie Mae or Freddie Mac (as defined in the Bond Resolution, "Program Securities") instead of acquiring mortgage loans. The Agency has entered into a Servicing Agreement, dated as of October 15, 2013, with U.S. Bank, National Association as servicer (the Servicer), for an indefinite term (subject to termination rights). Pursuant to the servicing agreement, the Servicer is to acquire single family mortgage loans meeting Program requirements and pool such loans into Program Securities to be purchased by the Trustee on behalf of the Agency.

The Agency has adopted another bond resolution (the Homeownership Finance Bond Resolution) under which the Agency has financed single family mortgage loans through the acquisition of mortgage-backed securities under the New Issue Bond Program offered by the United States Department of the Treasury, Fannie Mae and Freddie Mac. As of December 31, 2011, the Agency had used all its authority under the New Issue Bond Program and has since issued bonds under the Bond Resolution and the Homeownership Finance Bond Resolution.

**Residential Housing Finance Bond Resolution
Whole Loan Mortgages
Information as of December 31, 2019**



MORTGAGE LOANS BY AMOUNT

Funding Source	Loans Purchased	Less Scheduled Payments	Less Prepayments and Curtailments	Less Loans Transferred to REO, FHA/VA Assigned, PMI Claims	Loans Outstanding	Weighted Average Mortgage Rate (based on Loans Outstanding)
Retired	\$ 1,533,438,525	\$ 232,887,667	\$ 883,107,035	\$ 415,204,152	\$ 2,239,671	4.37 %
06LMN	20,334,227	3,505,084	9,847,948	6,511,329	469,866	5.45
07M	51,601,162	1,527,803	29,399,840	12,693,341	7,980,178	5.22
07M-40 Year	13,786,495	728,921	4,209,386	5,506,959	3,341,229	5.11
12ABCD	96,047,766	14,895,803	46,049,810	8,222,086	26,880,067	5.58
13ABC	42,482,583	7,302,995	17,567,344	3,549,654	14,062,590	5.20
14A	15,938,679	3,587,821	6,642,220	176,926	5,531,712	6.07
14B	15,978,942	4,341,025	4,921,761	302,517	6,413,639	5.85
14CDE	147,424,535	15,647,517	57,471,956	8,236,931	66,068,131	5.01
15ABCD	52,474,015	4,203,452	23,158,287	3,648,838	21,463,438	5.10
15ABCD-40 Year	3,064,439	90,732	1,433,858	356,538	1,183,311	5.06
15EFG	80,106,833	6,911,676	29,323,186	3,900,047	39,971,924	5.42
15EFG-40 year	15,680,365	544,263	6,296,680	1,863,967	6,975,455	4.97
16ABC	59,751,015	3,781,650	26,770,522	3,777,861	25,420,982	5.36
16ABC-40 Year	22,027,528	788,189	8,276,735	1,382,882	11,579,722	4.88
16DEF	27,242,103	2,293,027	9,079,293	950,074	14,919,709	5.47
16DEF-40 Year	8,084,772	261,522	2,496,507	349,835	4,976,908	5.11
17ABC	45,579,077	2,334,687	13,867,690	1,412,623	27,964,077	5.36
17ABC-40 Year	12,928,653	374,202	3,360,868	331,720	8,861,863	5.39
17DEF	20,736,955	970,085	4,149,041	654,368	14,963,461	5.37
17DEF-40 Year	5,841,813	173,294	864,610	-	4,803,909	5.21
18ABCD	19,253,174	1,291,151	2,829,549	98,016	15,034,458	5.00
19ABCD	31,227,433	881,726	2,754,805	316,590	27,274,312	5.54
Total	\$ 2,341,031,089	\$ 309,324,292	\$ 1,193,878,931	\$ 479,447,254	\$ 358,380,612	5.2791 %

**Residential Housing Finance Bond Resolution
Whole Loan Mortgages
Information as of December 31, 2019**



MORTGAGE LOANS BY NUMBER

Funding Source	Number of Loans Purchased	Number of Loans Paid Off	Less Number of Loans Transferred to REO,FHA/VA Assigned, PMI Claims	Number of Loans Outstanding
Retired	14,004.7	10,473.4	3,483.3	48.0
06LMN	157.0	96.0	56.0	5.0
07M	435.3	244.0	101.6	89.7
07M-40 Year	87.6	29.8	34.4	23.4
12ABCD	1,411.0	722.5	117.5	571.0
13ABC	641.0	293.0	49.5	298.5
14A	381.0	183.0	3.0	195.0
14B	419.0	201.0	5.0	213.0
14CDE	1,554.0	635.5	85.0	833.5
15ABCD	538.0	251.5	37.5	249.0
15ABCD-40 Year	20.0	10.0	2.0	8.0
15EFG	886.0	332.0	40.5	513.5
15EFG-40 year	105.0	44.0	13.0	48.0
16ABC	567.0	242.0	34.5	290.5
16ABC-40 Year	151.0	59.0	9.0	83.0
16DEF	392.3	130.7	13.3	248.3
16DEF-40 Year	55.6	18.6	2.4	34.6
17ABC	518.0	147.0	16.0	355.0
17ABC-40 Yr	102.0	24.0	3.0	75.0
17DEF	226.0	41.0	7.0	178.0
17DEF-40 Yr	48.0	9.0	-	39.0
18ABCD	307.5	40.0	2.0	265.5
19ABCD	556.0	40.5	3.0	512.5
Total	23,563.0	14,267.5	4,118.5	5,177.0

If the number of loans allocated to a series of Bonds in the table is expressed in an increment of 0.5, the allocation reflects the fact that proceeds of Bonds of the series were used, with an equal amount of funds from another source (which may be another series of Bonds) to purchase the mortgage loan. In such cases, while principal repayments and prepayments are allocated equally to each funding source, interest payments on the mortgage loan are not allocated pro rata.

Residential Housing Finance Bond Resolution
Bonds, Loans, and Mortgage-Backed Securities Outstanding; Remaining Acquisition Fund
Information as of December 31, 2019



Series	Bonds Outstanding	Mortgages Outstanding	Mortgage-Backed Securities Outstanding	Remaining Acquisition Fund Balance	Outstanding Commitments	Uncommitted Lendable Funds	Weighted Average Rate for Mortgages or Mortgage-Backed Securities (based on \$ Amount Outstanding)
Retired	\$ -	\$2,239,671	\$ -	\$ -	\$ -	\$ -	4.37 %
06LMN	345,000	469,866	-	-	-	-	5.45
07M	15,820,000	11,321,407	-	-	-	-	5.19
12ABCD	39,840,000	26,880,067	22,435,869	-	-	-	5.58 (12ABCD mortgages) 3.52 (12ABCD mortgage-backed securities)
13ABC	33,195,000	14,062,590	18,611,729	-	-	-	5.20 (13ABC mortgages) 2.63 (13ABC mortgage-backed securities)
14A	11,540,000	5,531,712	23,864,044	-	-	-	6.07 (14A mortgages) 3.21 (14A mortgage-backed securities)
14B	10,530,000	6,413,639	22,162,514	-	-	-	5.85 (14B mortgages) 3.34 (14B mortgage-backed securities)
14CDE	105,925,000	66,068,131	38,043,867	-	-	-	5.01 (14CDE mortgages) 3.51 (14CDE mortgage-backed securities)
15ABCD	67,095,000	22,646,749	35,867,262	-	-	-	5.10 (15ABCD mortgages) 3.27 (15ABCD mortgage-backed securities)
15EFG	97,390,000	46,947,379	46,389,781	-	-	-	5.35 (15EFG mortgages) 3.54 (15EFG mortgage-backed securities)
16ABC	87,815,000	37,000,705	54,116,084	-	-	-	5.19 (16ABC mortgages) 3.42 (16ABC mortgage-backed securities)
16DEF	102,255,000	19,896,617	77,504,619	-	-	-	5.38 (16DEF mortgages) 3.08 (16DEF mortgage-backed securities)
17ABC	91,140,000	36,825,939	50,399,747	-	-	-	5.37 (17ABC mortgages) 3.72 (17ABC mortgage-backed securities)
17DEF	125,090,000	19,767,370	103,781,018	-	-	-	5.33 (17DEF mortgages) 3.56 (17DEF mortgage-backed securities)
18ABCD	117,205,000	15,034,458	110,204,555	-	-	-	5.00 (18ABCD mortgages) 4.07 (18ABCD mortgage-backed securities)
18EFGH	145,875,000		140,920,651	-	-	-	4.36
19ABCD	183,760,000	27,274,312	153,169,000	-	-	-	5.54 (19ABCD mortgages) 4.52 (19ABCD mortgage-backed securities)
19EFGH	200,000,000		199,732,869	-	-	-	3.52
	<u>\$ 1,434,820,000</u>	<u>\$358,380,612</u>	<u>\$ 1,097,203,609</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>4.14 %</u>

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2012 ABCD

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AA0402	GNMA II	3.625 %	\$ 2,815,431	\$ 680,704
AO1087	FNMA	3.275	118,225	43,412
AO2408	FNMA	3.275	302,503	-
AO2409	FNMA	3.275	110,037	-
AO3786	FNMA	3.275	460,486	121,991
AO5861	FNMA	3.275	73,491	61,758
AO5869	FNMA	3.275	155,770	-
AO0387	FNMA	3.400	215,938	75,860
AO1088	FNMA	3.400	102,252	-
AO2413	FNMA	3.650	97,465	-
AO2414	FNMA	3.650	218,860	185,653
AO3787	FNMA	3.650	230,530	68,757
AO5862	FNMA	3.650	226,837	93,115
AO1089	FNMA	3.775	306,942	163,372
AO1090	FNMA	3.775	102,861	87,673
AO1099	FNMA	3.775	103,790	-
AO3779	FNMA	3.775	88,880	73,713
Subtotal			5,730,298	1,656,009

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2012 ABCD, continued

12ABCD Participation Interest in the following Mortgage-Backed Securities
(50.0031% of the principal payments and 100% of the interest payments paid
to 12ABCD)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
799858	GNMA II	3.250 %	\$ 55,750	\$ -
AA0282	GNMA II	3.375	88,231	74,436
AA0342	GNMA II	3.375	177,369	-
AA0401	GNMA II	3.375	88,982	75,102
793301	GNMA II	3.750	2,811,748	1,079,927
799957	GNMA II	3.750	2,722,740	1,092,900
799958	GNMA II	3.875	169,926	-
AO3773	FNMA	3.650	51,642	44,288
AO5870	FNMA	3.650	180,482	78,206
AB1497	GNMA II	3.000	212,877	123,569
AB1556	GNMA II	3.000	214,752	180,720
AB1724	GNMA II	3.000	413,923	156,272
AB1919	GNMA II	3.000	488,124	181,342
AB1725	GNMA II	3.125	304,729	102,558
AB1880	GNMA II	3.125	248,035	-
AB1904	GNMA II	3.125	84,033	-
AB1920	GNMA II	3.125	320,009	166,405

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2012 ABCD, continued

12ABCD Participation Interest in the following Mortgage-Backed Securities
(50.0031% of the principal payments and 100% of the interest payments paid
to 12ABCD), continued

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AB1921	GNMA II	3.250 %	\$ 445,324	\$ 184,030
AB1446	GNMA II	3.375	278,876	98,434
AB1618	GNMA II	3.500	421,599	-
AB1883	GNMA II	3.500	234,985	112,082
AB1923	GNMA II	3.500	385,053	117,587
AB1503	GNMA II	3.625	308,974	80,566
AB1561	GNMA II	3.625	258,242	87,464
AB1619	GNMA II	3.625	136,854	116,891
AB1646	GNMA II	3.625	378,903	46,961
AB1729	GNMA II	3.625	397,359	-
AB1767	GNMA II	3.625	158,319	-
AB1908	GNMA II	3.625	407,184	104,560
AB1924	GNMA II	3.625	62,523	-
AB2030	GNMA II	3.625	185,414	157,442
Subtotal			12,692,962	4,461,740
MBS Participation Interest (50.0031%)			6,346,874	2,231,009

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2012 ABCD, continued

12ABCD Participation Interest in the following Mortgage-Backed Securities
(50.0021% of the principal payments and 100% of the interest payments paid
to 12ABCD)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AA0104	GNMA II	3.250 %	\$ 1,569,180	\$ 303,467
AA0163	GNMA II	3.250	1,662,807	416,255
AA0281	GNMA II	3.250	2,286,836	945,072
AA0164	GNMA II	3.375	629,700	279,618
AA0198	GNMA II	3.375	88,309	-
AB1466	GNMA II	3.375	500,702	227,340
AA0076	GNMA II	3.625	2,059,751	540,464
AA0105	GNMA II	3.625	2,128,674	454,578
AA0165	GNMA II	3.625	2,775,509	1,082,902
AA0199	GNMA II	3.625	1,624,843	660,159
AA0077	GNMA II	3.750	591,767	207,489
AA0106	GNMA II	3.750	787,881	229,084
AA0166	GNMA II	3.750	630,630	210,939
AA0200	GNMA II	3.750	200,358	170,046
AA0284	GNMA II	3.750	95,198	-
AA0344	GNMA II	3.750	142,779	-
799890	GNMA II	4.000	79,297	66,218
799891	GNMA II	4.250	105,121	-
775568	GNMA II	3.375	860,742	514,808
775591	GNMA II	3.375	245,129	92,619
775599	GNMA II	3.375	581,951	63,586
775660	GNMA II	3.375	694,558	320,970
775708	GNMA II	3.375	391,681	214,998
775724	GNMA II	3.375	620,960	280,533
792333	GNMA II	3.375	137,417	115,108

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019**



2012 ABCD, continued

12ABCD Participation Interest in the following Mortgage-Backed Securities
(50.0021% of the principal payments and 100% of the interest payments paid
to 12ABCD), continued

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
792369	GNMA II	3.375 %	\$ 758,203	\$ 326,167
792402	GNMA II	3.375	338,061	187,660
792437	GNMA II	3.375	179,393	-
792474	GNMA II	3.375	118,586	99,919
775569	GNMA II	3.500	302,172	134,258
775592	GNMA II	3.500	57,308	48,391
775661	GNMA II	3.500	544,072	192,658
775709	GNMA II	3.500	221,472	74,857
775725	GNMA II	3.500	70,112	-
792334	GNMA II	3.500	165,019	139,346
792370	GNMA II	3.500	147,233	117,724
792403	GNMA II	3.500	130,749	110,365
775472	GNMA II	3.750	339,576	202,967
775570	GNMA II	3.750	406,357	104,003
775593	GNMA II	3.750	819,660	275,860
775600	GNMA II	3.750	432,456	136,312
775662	GNMA II	3.750	1,130,068	409,428
775710	GNMA II	3.750	481,146	164,401
775726	GNMA II	3.750	469,492	347,554
792335	GNMA II	3.750	559,141	214,170
792371	GNMA II	3.750	640,200	126,616
775571	GNMA II	3.875	213,634	103,891
775594	GNMA II	3.875	1,086,404	440,882
775663	GNMA II	3.875	658,054	251,180
775711	GNMA II	3.875	271,899	-
775727	GNMA II	3.875	292,380	125,119

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2012 ABCD, continued

12ABCD Participation Interest in the following Mortgage-Backed Securities
(50.0021% of the principal payments and 100% of the interest payments paid
to 12ABCD), continued

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
792336	GNMA II	3.875 %	\$ 172,151	\$ 40,293
792372	GNMA II	3.875	124,372	58,639
792405	GNMA II	3.875	133,109	-
775595	GNMA II	4.000	150,911	-
775601	GNMA II	4.000	81,462	-
775664	GNMA II	4.000	173,887	98,322
775712	GNMA II	4.000	112,806	-
775676	GNMA II	4.125	153,278	131,153
775713	GNMA II	4.125	84,659	-
774854	GNMA II	4.250	581,713	232,275
774888	GNMA II	4.250	207,383	56,596
775596	GNMA II	4.250	366,413	-
775677	GNMA II	4.250	415,662	-
775714	GNMA II	4.250	199,022	107,685
775728	GNMA II	4.250	175,605	-
792373	GNMA II	4.250	112,194	-
775678	GNMA II	4.375	116,417	-
775513	GNMA II	4.500	231,520	67,733
Subtotal			35,917,191	12,522,676
MBS Participation Interest (50.0021%)			17,959,350	6,261,601

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019**



2012 ABCD, continued

12ABCD Participation Interest in the following Mortgage-Backed Securities
(50.0019% of the principal payments and none of the interest payments paid
to 12ABCD)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AB1464	GNMA II	3.125 %	\$ 1,493,291	\$ 664,658
AA0469	GNMA II	3.625	1,650,089	791,968
799861	GNMA II	3.750	1,863,656	438,932
AC8104	GNMA II	2.875	4,097,610	1,862,317
AB2093	GNMA II	3.125	271,185	-
AC7756	GNMA II	3.125	637,851	175,143
Subtotal			10,013,682	3,933,019
MBS Participation Interest (50.0019%)			5,007,031	1,966,584

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2012 ABCD, continued

12ABCD Participation Interest in the following Mortgage-Backed Securities
(65.556% of the principal payments and none of the interest payments paid
to 12ABCD)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AB1463	GNMA II	3.000 %	\$ 49,221	\$ 41,883
799886	GNMA II	3.250	495,166	117,824
799954	GNMA II	3.250	931,842	446,959
AA0003	GNMA II	3.250	202,922	73,175
AA0074	GNMA II	3.250	1,667,721	504,474
AA0341	GNMA II	3.250	1,943,418	955,136
AA0400	GNMA II	3.250	1,699,366	417,622
AA0467	GNMA II	3.250	1,166,842	527,413
AB1465	GNMA II	3.250	492,658	268,053
793298	GNMA II	3.375	1,284,543	685,823
799859	GNMA II	3.375	1,311,886	656,377
799887	GNMA II	3.375	930,061	270,620
AA0004	GNMA II	3.375	790,402	546,596
AA0075	GNMA II	3.375	591,125	156,860
AA0508	GNMA II	3.375	106,710	-
AB1500	GNMA II	3.375	96,759	-
799860	GNMA II	3.625	500,928	116,267
799888	GNMA II	3.625	709,598	295,868
799956	GNMA II	3.625	981,586	205,988
AA0005	GNMA II	3.625	1,000,098	587,634
AA0283	GNMA II	3.625	2,151,221	476,664
AA0343	GNMA II	3.625	2,509,161	1,256,218
799889	GNMA II	3.750	1,010,556	254,796
AA0014	GNMA II	3.750	886,095	509,664
AA0403	GNMA II	3.750	281,417	-

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2012 ABCD, continued

12ABCD Participation Interest in the following Mortgage-Backed Securities
(65.556% of the principal payments and none of the interest payments paid
to 12ABCD), continued

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AR0865	FNMA	2.525 %	\$ 47,821	\$ -
AR2963	FNMA	2.525	98,798	72,803
AR5611	FNMA	2.525	94,711	80,326
AR5614	FNMA	2.525	925,382	795,263
AR5616	FNMA	2.525	1,159,097	212,979
AR5617	FNMA	2.525	1,331,635	723,888
AR5619	FNMA	2.525	144,826	-
AR5620	FNMA	2.525	451,925	192,428
AR8764	FNMA	2.525	267,323	66,655
AR8770	FNMA	2.525	84,793	72,440
AR8772	FNMA	2.525	82,508	-
AT1907	FNMA	2.525	224,485	52,435
AT1917	FNMA	2.525	109,673	93,764
AT1921	FNMA	2.525	186,999	134,601
AT4624	FNMA	2.525	2,331,268	1,149,604
AT4628	FNMA	2.525	655,444	201,115
AT4633	FNMA	2.525	641,811	411,004
AT4742	FNMA	2.525	248,978	151,700
AT6228	FNMA	2.525	59,752	51,019
AQ9144	FNMA	2.530	80,418	63,743
AR5615	FNMA	2.650	134,553	110,104
AT1922	FNMA	2.650	128,883	-
AT3840	FNMA	2.650	76,105	-
AT4625	FNMA	2.650	324,103	280,279

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2012 ABCD, continued

12ABCD Participation Interest in the following Mortgage-Backed Securities
(65.556% of the principal payments and none of the interest payments paid
to 12ABCD), continued

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AT6229	FNMA	2.650 %	\$ 293,053	\$ 247,278
AR8778	FNMA	2.775	75,520	64,938
AT1918	FNMA	2.775	142,319	-
AT1923	FNMA	2.775	103,253	86,171
AT4758	FNMA	2.775	214,584	75,154
AR5605	FNMA	2.900	73,328	-
AR8765	FNMA	2.900	37,442	-
AR8771	FNMA	2.900	226,641	67,134
AR8776	FNMA	2.900	99,476	84,891
AR8779	FNMA	2.900	139,561	-
AT1045	FNMA	2.900	218,574	162,036
AT1908	FNMA	2.900	83,511	70,055
AT1924	FNMA	2.900	170,815	144,020
AT4743	FNMA	2.900	178,897	154,489
AT4759	FNMA	2.900	68,189	-
AQ9145	FNMA	2.905	98,755	-
AQ7530	FNMA	3.025	38,770	-
AR0866	FNMA	3.025	94,978	81,948

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2012 ABCD, continued

12ABCD Participation Interest in the following Mortgage-Backed Securities
(65.556% of the principal payments and none of the interest payments paid
to 12ABCD), continued

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AR5597	FNMA	3.025 %	\$ 86,505	\$ 74,692
AR1324	FNMA	3.030	74,217	64,385
AR8766	FNMA	3.275	90,618	78,027
Subtotal			36,291,598	15,743,284
MBS Participation Interest (65.556%)			23,791,320	10,320,667
2012 ABCD Total			\$ 58,834,874	\$ 22,435,869

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2013 ABC

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AC7842	GNMA II	2.500 %	\$ 72,845	\$ -
AC8149	GNMA II	2.500	84,823	68,728
AC8185	GNMA II	2.500	351,176	175,355
AC8306	GNMA II	2.500	1,234,130	469,715
AC8346	GNMA II	2.500	1,377,119	463,918
AC8371	GNMA II	2.500	536,055	276,779
AC8375	GNMA II	2.500	409,690	209,303
AD7480	GNMA II	2.500	490,678	237,957
AT4629	FNMA	2.650	788,890	226,873
AT7528	FNMA	2.650	1,633,992	827,175
AR5612	FNMA	2.775	86,370	-
AR5621	FNMA	2.775	168,901	146,557
AT4626	FNMA	2.775	285,628	93,870
AT7529	FNMA	2.775	343,062	-
AT4627	FNMA	2.900	149,529	130,169
AT4631	FNMA	2.900	169,550	-
AR0869	FNMA	3.150	75,992	64,930
AR2964	FNMA	3.150	129,684	112,282
AR5596	FNMA	3.150	59,464	-
AT1046	FNMA	3.275	134,213	115,233
AR8780	FNMA	3.400	74,302	64,570
AQ6038	FNMA	3.650	98,340	-
Subtotal			8,754,430	3,683,411

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2013 ABC, continued

13ABC Participation Interest in the following Mortgage-Backed Securities
(34.444% of the principal payments and 100% of the interest payments paid
to 13ABC)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AB1463	GNMA II	3.000 %	\$ 49,221	\$ 41,883
799886	GNMA II	3.250	495,166	117,824
799954	GNMA II	3.250	931,842	446,959
AA0003	GNMA II	3.250	202,922	73,175
AA0074	GNMA II	3.250	1,667,721	504,474
AA0341	GNMA II	3.250	1,943,418	955,136
AA0400	GNMA II	3.250	1,699,366	417,622
AA0467	GNMA II	3.250	1,166,842	527,413
AB1465	GNMA II	3.250	492,658	268,053
793298	GNMA II	3.375	1,284,543	685,823
799859	GNMA II	3.375	1,311,886	656,377
799887	GNMA II	3.375	930,061	270,620
AA0004	GNMA II	3.375	790,402	546,596
AA0075	GNMA II	3.375	591,125	156,860
AA0508	GNMA II	3.375	106,710	-
AB1500	GNMA II	3.375	96,759	-
799860	GNMA II	3.625	500,928	116,267
799888	GNMA II	3.625	709,598	295,868
799956	GNMA II	3.625	981,586	205,988
AA0005	GNMA II	3.625	1,000,098	587,634
AA0283	GNMA II	3.625	2,151,221	476,664
AA0343	GNMA II	3.625	2,509,161	1,256,218
799889	GNMA II	3.750	1,010,556	254,796
AA0014	GNMA II	3.750	886,095	509,664
AA0403	GNMA II	3.750	281,417	-

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2013 ABC, continued

13ABC Participation Interest in the following Mortgage-Backed Securities
(34.444% of the principal payments and 100% of the interest payments paid
to 13ABC), continued

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AR0865	FNMA	2.525 %	\$ 47,821	\$ -
AR2963	FNMA	2.525	98,798	72,803
AR5611	FNMA	2.525	94,711	80,326
AR5614	FNMA	2.525	925,382	795,263
AR5616	FNMA	2.525	1,159,097	212,979
AR5617	FNMA	2.525	1,331,635	723,888
AR5619	FNMA	2.525	144,826	-
AR5620	FNMA	2.525	451,925	192,428
AR8764	FNMA	2.525	267,323	66,655
AR8770	FNMA	2.525	84,793	72,440
AR8772	FNMA	2.525	82,508	-
AT1907	FNMA	2.525	224,485	52,435
AT1917	FNMA	2.525	109,673	93,764
AT1921	FNMA	2.525	186,999	134,601
AT4624	FNMA	2.525	2,331,268	1,149,604
AT4628	FNMA	2.525	655,444	201,115
AT4633	FNMA	2.525	641,811	411,004
AT4742	FNMA	2.525	248,978	151,700
AT6228	FNMA	2.525	59,752	51,019
AQ9144	FNMA	2.530	80,418	63,743
AR5615	FNMA	2.650	134,553	110,104
AT1922	FNMA	2.650	128,883	-
AT3840	FNMA	2.650	76,105	-
AT4625	FNMA	2.650	324,103	280,279

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2013 ABC, continued

13ABC Participation Interest in the following Mortgage-Backed Securities
(34.444% of the principal payments and 100% of the interest payments paid
to 13ABC), continued

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AT6229	FNMA	2.650 %	\$ 293,053	\$ 247,278
AR8778	FNMA	2.775	75,520	64,938
AT1918	FNMA	2.775	142,319	-
AT1923	FNMA	2.775	103,253	86,171
AT4758	FNMA	2.775	214,584	75,154
AR5605	FNMA	2.900	73,328	-
AR8765	FNMA	2.900	37,442	-
AR8771	FNMA	2.900	226,641	67,134
AR8776	FNMA	2.900	99,476	84,891
AR8779	FNMA	2.900	139,561	-
AT1045	FNMA	2.900	218,574	162,036
AT1908	FNMA	2.900	83,511	70,055
AT1924	FNMA	2.900	170,815	144,020
AT4743	FNMA	2.900	178,897	154,489
AT4759	FNMA	2.900	68,189	-
AQ9145	FNMA	2.905	98,755	-
AQ7530	FNMA	3.025	38,770	-
AR0866	FNMA	3.025	94,978	81,948
AR5597	FNMA	3.025	86,505	74,692
AR1324	FNMA	3.030	74,217	64,385
AR8766	FNMA	3.275	90,618	78,027
Subtotal			36,291,598	15,743,284
MBS Participation Interest (34.444%)			12,500,278	5,422,617

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2013 ABC, continued

13ABC Participation Interest in the following Mortgage-Backed Securities
(49.9991% of the principal payments and none of the interest payments paid
to 13ABC)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AC8396	GNMA II	2.500 %	\$ 1,509,787	\$ 605,285
AC8401	GNMA II	2.500	48,506	-
AC8517	GNMA II	2.500	705,460	478,407
AC8521	GNMA II	2.500	281,308	101,025
AD7201	GNMA II	2.500	1,146,241	566,389
AD7306	GNMA II	2.500	528,762	287,869
AD7309	GNMA II	2.500	110,433	-
AD7322	GNMA II	2.500	884,732	455,813
AD7328	GNMA II	2.500	94,607	-
AD7411	GNMA II	2.500	1,324,919	705,585
AD7520	GNMA II	2.500	144,206	-
AD7323	GNMA II	2.625	152,254	-
AD7412	GNMA II	2.625	487,240	207,393
AD7481	GNMA II	2.625	1,315,697	629,716
AD7521	GNMA II	2.625	973,807	616,712
AD7525	GNMA II	2.625	199,960	164,492
AD7549	GNMA II	2.625	1,253,675	623,506
AC8103	GNMA II	2.750	54,282	46,180
AC8347	GNMA II	2.750	465,500	325,597
AC8397	GNMA II	2.750	533,047	114,973
AC7907	GNMA II	2.875	333,360	85,241
AC8150	GNMA II	2.875	261,715	223,139
AB2123	GNMA II	3.125	45,546	-
AE9846	GNMA II	2.750	1,378,784	274,116

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019**



2013 ABC, continued

13ABC Participation Interest in the following Mortgage-Backed Securities
(49.9991% of the principal payments and none of the interest payments paid
to 13ABC), continued

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AC8233	GNMA II	2.875 %	\$ 301,279	\$ 251,896
AC8307	GNMA II	2.875	1,846,536	529,758
AC8402	GNMA II	2.875	173,194	-
AC8519	GNMA II	2.875	810,878	183,239
AD7203	GNMA II	2.875	782,422	334,166
AD7206	GNMA II	2.875	164,941	55,865
AD7308	GNMA II	2.875	624,792	211,271
AD7325	GNMA II	2.875	740,110	403,897
AD7330	GNMA II	2.875	171,991	146,697
AD7414	GNMA II	2.875	1,175,447	502,779
AD7483	GNMA II	2.875	1,515,476	818,471
AD7523	GNMA II	2.875	1,693,438	904,000
AB2189	GNMA II	3.000	309,432	179,671
AC8308	GNMA II	3.000	123,199	-
AD7204	GNMA II	3.000	129,612	110,667
AD7331	GNMA II	3.000	107,285	91,531
AC8232	GNMA II	3.125	120,991	-
AD7205	GNMA II	3.125	110,891	94,811
AC8520	GNMA II	3.250	162,886	-
AD7326	GNMA II	3.250	132,431	113,480

**Residential Housing Finance Bond Resolution
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2013 ABC, continued

13ABC Participation Interest in the following Mortgage-Backed Securities
(49.9991% of the principal payments and none of the interest payments paid
to 13ABC), continued

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AC8309	GNMA II	3.375 %	\$ 106,989	\$ -
AD7327	GNMA II	3.375	135,753	-
AC7759	GNMA II	3.500	36,729	-
Subtotal			25,710,531	11,443,639
MBS Participation Interest (49.9991%)			12,855,034	5,721,717

Residential Housing Finance Bond Resolution
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2013 ABC, continued

13ABC Participation Interest in the following Mortgage-Backed Securities
(50.0749% of the principal payments and none of the interest payments paid
to 13ABC)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AC8372	GNMA II	2.750 %	\$ 190,286	\$ 100,991
AC8518	GNMA II	2.750	845,766	193,798
AD7202	GNMA II	2.750	869,613	302,095
AD7307	GNMA II	2.750	1,250,082	657,470
AD7310	GNMA II	2.750	193,849	107,518
AD7324	GNMA II	2.750	1,244,417	669,665
AD7329	GNMA II	2.750	271,710	234,740
AD7413	GNMA II	2.750	1,437,921	678,466
AD7482	GNMA II	2.750	485,833	150,789
AD7522	GNMA II	2.750	421,289	129,970
AD7550	GNMA II	2.750	410,972	352,696
AC8231	GNMA II	2.875	132,608	114,439
AD7524	GNMA II	2.500	366,796	214,139
AH1961	GNMA II	3.500	7,364,353	3,649,875
Subtotal			15,485,495	7,556,649
MBS Participation Interest (50.0749%)			7,754,346	3,783,984
2013 ABC Total			\$ 41,864,089	\$ 18,611,729

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2014 A

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AF0608	GNMA II	2.50000 %	\$ 9,647,008	\$ 4,659,927
AG5765	GNMA II	2.50000	316,604	150,737
AG5963	GNMA II	2.50000	1,262,580	769,687
AH1875	GNMA II	2.50000	191,709	162,239
AH1963	GNMA II	2.50000	104,423	-
AD7552	GNMA II	2.62500	144,570	-
AE9848	GNMA II	2.62500	295,162	138,679
AF0094	GNMA II	2.62500	1,830,376	933,309
AD7484	GNMA II	2.75000	128,043	-
AE9849	GNMA II	2.75000	422,789	251,805
AF0095	GNMA II	2.75000	4,016,907	2,169,972
AB2188	GNMA II	2.87500	187,304	159,286
AC7869	GNMA II	2.87500	110,020	-
AC8522	GNMA II	2.87500	160,866	138,156
AF0096	GNMA II	2.87500	4,793,493	2,432,389
AF0100	GNMA II	2.87500	290,236	100,651
AH2036	GNMA II	3.00000	188,565	163,878
AC8400	GNMA II	3.37500	75,093	64,991
AD7527	GNMA II	3.50000	126,205	-
AH2038	GNMA II	4.00000	7,708,814	3,506,417
AU2989	FNMA	2.50000	235,065	206,442
AR5613	FNMA	2.52500	1,826,086	954,894
AT7533	FNMA	2.52500	294,640	100,316
AT7537	FNMA	2.52500	198,067	166,590
AT6230	FNMA	2.65000	129,631	112,982
AT9859	FNMA	2.65000	314,356	133,243
AU3003	FNMA	2.65000	310,784	121,926
AT9857	FNMA	2.77500	273,807	-

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2014 A, continued

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AU3004	FNMA	2.77500 %	\$ 459,566	\$ 235,027
AT7530	FNMA	2.90000	1,384,135	727,826
AT7536	FNMA	2.90000	208,793	44,016
AU2995	FNMA	3.00000	230,170	-
AU2998	FNMA	3.50000	505,749	136,225
AV8366	FNMA	3.50000	346,325	305,764
AV8369	FNMA	3.50000	169,107	-
AU2999	FNMA	4.00000	3,020,694	983,305
AV7824	FNMA	4.00000	1,452,376	643,171
AV8367	FNMA	4.00000	2,573,110	1,462,679
AV9663	FNMA	4.00000	1,665,715	757,407
AU3000	FNMA	4.50000	539,304	77,425
AV8368	FNMA	4.50000	881,800	304,322
AV8371	FNMA	4.50000	509,016	355,284
AV9664	FNMA	4.50000	474,456	233,080
2014 A Total			\$ 50,003,520	\$ 23,864,044

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2014 B

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AE9844	GNMA II	2.50000 %	\$ 77,426	\$ -
AD7526	GNMA II	2.87500	351,259	115,881
AD7553	GNMA II	2.87500	147,810	-
AE9850	GNMA II	2.87500	1,181,296	415,859
AH1962	GNMA II	4.00000	4,733,247	2,216,679
AH2597	GNMA II	4.00000	6,274,669	2,202,418
AT7534	FNMA	2.65000	5,463,918	2,530,037
AT7538	FNMA	2.65000	2,494,989	992,496
AU3007	FNMA	2.65000	62,017	-
AT9860	FNMA	2.90000	140,050	122,952
AU2982	FNMA	3.00000	9,469,151	4,588,691
AU3006	FNMA	3.02500	389,185	157,405
AV7823	FNMA	3.50000	64,250	57,450
AW1961	FNMA	4.50000	580,247	292,788
Subtotal			31,429,514	13,692,657

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2014 B, continued

14B Participation Interest in the following Mortgage-Backed Securities
(49.9251% of the principal payments and 100% of the interest payments paid
to 14B)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AD7524	GNMA II	2.500 %	\$ 366,796	\$ 214,139
AH1961	GNMA II	3.500	7,364,353	3,649,875
AC8372	GNMA II	2.750	190,286	100,991
AC8518	GNMA II	2.750	845,766	193,798
AD7202	GNMA II	2.750	869,613	302,095
AD7307	GNMA II	2.750	1,250,082	657,470
AD7310	GNMA II	2.750	193,849	107,518
AD7324	GNMA II	2.750	1,244,417	669,665
AD7329	GNMA II	2.750	271,710	234,740
AD7413	GNMA II	2.750	1,437,921	678,466
AD7482	GNMA II	2.750	485,833	150,789
AD7522	GNMA II	2.750	421,289	129,970
AD7550	GNMA II	2.750	410,972	352,696
AC8231	GNMA II	2.875	132,608	114,439
Subtotal			15,485,495	7,556,649
MBS Participation Interest (49.9251%)			7,731,149	3,772,665

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2014 B, continued

14B Participation Interest in the following Mortgage-Backed Securities
(32.7876% of the principal payments and none of the interest payments paid
to 14B)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AF0093	GNMA II	2.500 %	\$ 224,137	\$ 196,008
AF0097	GNMA II	2.500	121,249	-
AF0098	GNMA II	2.625	742,958	572,571
AF0099	GNMA II	2.750	197,808	110,900
AH1960	GNMA II	3.000	101,458	90,289
AH1964	GNMA II	3.500	640,759	319,457
AH2037	GNMA II	3.500	7,775,339	2,789,181
AH2592	GNMA II	3.500	709,704	383,814
AV7825	FNMA	4.500	201,546	183,555
AI4176	GNMA II	3.500	21,964,999	9,680,347
Subtotal			32,679,957	14,326,124
MBS Participation Interest (32.7876%)			10,714,974	4,697,192
2014 B Total			<u>\$ 49,875,636</u>	<u>\$ 22,162,514</u>

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2014 CDE

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AI4923	GNMA II	3.000 %	\$ 265,792	\$ 98,039
AH2644	GNMA II	3.500	291,681	58,761
AI4077	GNMA II	4.000	611,359	416,625
AI4768	GNMA II	4.000	454,754	-
AI4925	GNMA II	4.000	155,571	140,331
AW3995	FNMA	4.500	138,928	-
Subtotal			1,918,085	713,756

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2014 CDE, continued

14CDE Participation Interest in the following Mortgage-Backed Securities
(67.2124% of the principal payments and 100% of the interest payments paid
to 14CDE)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AI4176	GNMA II	3.500 %	\$ 21,964,999	\$ 9,680,347
AF0093	GNMA II	2.500	224,137	196,008
AF0097	GNMA II	2.500	121,249	-
AF0098	GNMA II	2.625	742,958	572,571
AF0099	GNMA II	2.750	197,808	110,900
AH1960	GNMA II	3.000	101,458	90,289
AH1964	GNMA II	3.500	640,759	319,457
AH2037	GNMA II	3.500	7,775,339	2,789,181
AH2592	GNMA II	3.500	709,704	383,814
AV7825	FNMA	4.500	201,546	183,555
Subtotal			32,679,957	14,326,124
MBS Participation Interest (67.2124%)			21,964,983	9,628,932

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019**



2014 CDE, continued

14CDE Participation Interest in the following Mortgage-Backed Securities
(50.115% of the principal payments and none of the interest payments paid
to 14CDE)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AI4766	GNMA II	3.000 %	\$ 226,721	\$ -
AH2598	GNMA II	3.500	178,836	-
AH2684	GNMA II	3.500	129,781	-
AI4076	GNMA II	3.500	438,494	274,645
AI4125	GNMA II	3.500	133,278	-
AH1965	GNMA II	4.000	621,071	302,668
AH2599	GNMA II	4.000	372,689	104,363
AX8552	FNMA	4.500	115,889	-
AX8124	FNMA	3.500	2,206,586	1,165,102
Subtotal			4,423,344	1,846,778
MBS Participation Interest (50.115%)			2,216,759	925,513

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2014 CDE, continued

14CDE Participation Interest in the following Mortgage-Backed Securities
(92.0199% of the principal payments and 81.75% of the interest payments paid
to 14CDE)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AI4924	GNMA II	3.500 %	\$ 25,651,238	\$ 12,899,987
AX3836	FNMA	3.500	2,224,511	1,113,544
Subtotal			27,875,749	14,013,531
MBS Participation Interest (92.0199%)			25,651,236	12,895,237

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2014 CDE, continued

14CDE Participation Interest in the following Mortgage-Backed Securities
(49.8093% of the principal payments and 10% of the interest payments paid
to 14CDE)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AI4767	GNMA II	3.500 %	\$ 24,803,293	\$ 11,983,934
AM8612	GNMA I	3.000	9,358,396	5,624,916
AM8937	GNMA I	3.000	5,807,044	3,522,795
AM8938	GNMA I	3.000	4,951,378	3,195,423
AM8939	GNMA I	3.000	4,876,401	3,540,076
Subtotal			49,796,511	27,867,144
MBS Participation Interest (49.8093%)			24,803,294	13,880,429
2014 CDE Total			\$ 76,554,357	\$ 38,043,867

Residential Housing Finance Bond Resolution
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2015 ABCD

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AK6400	GNMA II	3.000 %	\$ 330,846	\$ 100,242
AM8941	GNMA II	3.500	2,915,549	851,672
AM8943	GNMA II	3.500	205,216	187,540
AI4179	GNMA II	4.000	242,654	-
AM8942	GNMA II	4.000	39,872	-
AY5082	FNMA	3.500	1,743,318	1,059,589
AY5083	FNMA	3.500	499,627	165,266
AY5085	FNMA	3.500	2,322,111	1,408,384
AZ1657	FNMA	3.500	5,349,068	2,748,107
AZ1658	FNMA	4.000	248,181	69,049
Subtotal			13,896,443	6,589,848

**Residential Housing Finance Bond Resolution
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2015 ABCD, continued

15ABCD Participation Interest in the following Mortgage-Backed Securities
(50.1907% of the principal payments and 90% of the interest payments paid
to 15ABCD)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AM8612	GNMA I	3.000 %	\$ 9,358,396	\$ 5,624,916
AM8937	GNMA I	3.000	5,807,044	3,522,795
AM8938	GNMA I	3.000	4,951,378	3,195,423
AM8939	GNMA I	3.000	4,876,401	3,540,076
AI4767	GNMA II	3.500	24,803,293	11,983,934
Subtotal			49,796,511	27,867,144
MBS Participation Interest (50.1907%)			24,993,218	13,986,715

**Residential Housing Finance Bond Resolution
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2015 ABCD, continued

15ABCD Participation Interest in the following Mortgage-Backed Securities
(65.9973% of the principal payments and none of the interest payments paid
to 15ABCD)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AM8940	GNMA I	3.000 %	\$ 4,520,297	\$ 3,538,390
AM8555	GNMA II	3.500	3,739,824	2,245,815
AM8613	GNMA II	3.500	5,921,770	3,333,280
AZ5831	FNMA	3.500	6,715,036	4,568,458
AO8779	GNMA I	3.500	8,562,123	5,288,911
AY5078	FNMA	3.500	361,049	113,637
BA0621	FNMA	3.500	273,743	107,989
BA0623	FNMA	3.500	1,569,485	979,538
Subtotal			31,663,327	20,176,019
MBS Participation Interest (65.9973%)			20,896,941	13,315,628

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2015 ABCD, continued

15ABCD Participation Interest in the following Mortgage-Backed Securities
(49.9968% of the principal payments and none of the interest payments paid
to 15ABCD)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AM8554	GNMA II	3.500 %	\$ 3,794,512	\$ 1,494,884
AM8556	GNMA II	3.500	306,712	281,096
AY5084	FNMA	3.500	362,410	-
AY5086	FNMA	3.500	3,739,337	2,174,416
Subtotal			8,202,970	3,950,396
MBS Participation Interest (49.9968%)			4,101,222	1,975,072
2015 ABCD Total			<u>\$ 63,887,824</u>	<u>\$ 35,867,262</u>

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2015 EFG

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
BA0468	FNMA	3.000 %	\$ 175,224	\$ 161,486
AY5095	FNMA	3.500	476,397	-
AZ5833	FNMA	3.500	352,966	209,189
BA0469	FNMA	3.500	5,231,315	3,065,238
BA0470	FNMA	4.000	3,729,896	2,017,405
BA2501	FNMA	4.000	4,118,053	2,598,915
Subtotal			14,083,852	8,052,233

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2015 EFG, continued

15EFG Participation Interest in the following Mortgage-Backed Securities
(34.0027% of the principal payments and 100% of the interest payments paid
to 15EFG)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>		<u>Principal Amount At Acquisition</u>		<u>Principal Amount Outstanding</u>
AO8779	GNMA I	3.500	% \$	8,562,123	\$	5,288,911
AY5078	FNMA	3.500		361,049		113,637
BA0621	FNMA	3.500		273,743		107,989
BA0623	FNMA	3.500		1,569,485		979,538
AM8940	GNMA I	3.000		4,520,297		3,538,390
AM8555	GNMA II	3.500		3,739,824		2,245,815
AM8613	GNMA II	3.500		5,921,770		3,333,280
AZ5831	FNMA	3.500		6,715,036		4,568,458
Subtotal				31,663,327		20,176,019
MBS Participation Interest (34.0027%)				10,766,386		6,860,391

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2015 EFG, continued

15EFG Participation Interest in the following Mortgage-Backed Securities
(50.0481% of the principal payments and none of the interest payments paid
to 15EFG)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AM8978	GNMA II	3.500 %	\$ 362,644	\$ 192,382
AO8641	GNMA II	3.500	7,879,767	4,212,603
AI4769	GNMA II	3.500	2,575,665	1,279,798
A08783	GNMA II	3.500	485,760	354,182
AO9369	GNMA I	3.500	5,165,142	2,592,064
Subtotal			16,468,978	8,631,029
MBS Participation Interest (50.0481%)			8,242,411	4,319,666

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2015 EFG, continued

15EFG Participation Interest in the following Mortgage-Backed Securities
(49.8383% of the principal payments and none of the interest payments paid
to 15EFG)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through</u> <u>Interest Rate</u>	<u>Principal Amount At</u> <u>Acquisition</u>	<u>Principal Amount</u> <u>Outstanding</u>
BA0624	FNMA	4.000 %	\$ 1,136,701	\$ 864,000
BA0640	FNMA	3.500	848,267	612,250
BA0638	FNMA	4.000	105,339	96,720
BA6223	FNMA	4.000	190,469	177,591
Subtotal			2,280,776	1,750,560
MBS Participation Interest (49.8383%)			1,136,700	872,450

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2015 EFG, continued

15EFG Participation Interest in the following Mortgage-Backed Securities
(49.9919% of the principal payments and none of the interest payments paid
to 15EFG)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AO8778	GNMA I	3.500 %	\$ 2,433,041	\$ 1,546,496
Subtotal			2,433,041	1,546,496
MBS Participation Interest (49.9919%)			1,216,323	773,123

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2015 EFG, continued

15EFG Participation Interest in the following Mortgage-Backed Securities
(24.996% of the principal payments and none of the interest payments paid
to 15EFG)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
BC4092	FNMA	3.000 %	\$ 296,775	\$ 275,954
BC9423	FNMA	3.000	276,525	93,339
BC4085	FNMA	3.500	1,473,617	876,739
BC4097	FNMA	3.500	2,820,746	2,140,557
Subtotal			4,867,662	3,386,590
MBS Participation Interest (24.996%)			1,216,721	846,512

Residential Housing Finance Bond Resolution
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2015 EFG, continued

15EFG Participation Interest in the following Mortgage-Backed Securities
(66.6012% of the principal payments and none of the interest payments paid
to 15EFG)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through</u> <u>Interest Rate</u>	<u>Principal Amount At</u> <u>Acquisition</u>	<u>Principal Amount</u> <u>Outstanding</u>
AM9028	GNMA I	3.000 %	\$ 1,580,780	\$ 986,624
AO8774	GNMA I	3.000	2,049,815	1,066,690
AM8976	GNMA II	3.500	486,464	269,018
AM9030	GNMA II	3.500	459,995	279,791
AO8775	GNMA II	3.500	4,172,145	2,511,293
AO8776	GNMA II	3.500	4,878,678	3,185,390
AO8777	GNMA II	3.500	4,710,655	2,871,120
AO8780	GNMA I	3.500	5,472,547	3,448,660
AO8781	GNMA I	3.500	10,554,848	7,325,118
AR0752	GNMA II	3.500	7,079,482	5,146,665
AR0753	GNMA II	3.500	7,442,958	5,148,530
BC4088	FNMA	3.500	2,244,234	1,509,536
BC4086	FNMA	4.000	466,950	438,979
Subtotal			51,599,551	34,187,415
MBS Participation Interest (66.6012%)			34,365,920	22,769,229

Residential Housing Finance Bond Resolution
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2015 EFG, continued

15EFG Participation Interest in the following Mortgage-Backed Securities
(50.0166% of the principal payments and none of the interest payments paid
to 15EFG)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through</u> <u>Interest Rate</u>	<u>Principal Amount At</u> <u>Acquisition</u>	<u>Principal Amount</u> <u>Outstanding</u>
BA2500	FNMA	3.500 %	\$ 2,212,034	\$ 1,705,440
BA0622	FNMA	4.000	375,062	162,693
Subtotal			2,587,096	1,868,133
MBS Participation Interest (50.0166%)			1,293,977	934,377

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2015 EFG, continued

15EFG Participation Interest in the following Mortgage-Backed Securities
(17.5% of the principal payments and none of the interest payments paid
to 15EFG)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AT7604	GNMA I	3.000 %	\$ 6,702,989	\$ 4,850,408
BD2362	FNMA	3.000	220,994	207,002
BD5918	FNMA	3.500	265,962	251,436
BC4100	FNMA	4.000	199,298	187,159
Subtotal			7,389,244	5,496,004
MBS Participation Interest (17.5%)			1,293,118	961,801
2015 EFG Total			\$ 73,615,407	\$ 46,389,781

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Mortgage-Backed Securities Purchased with Bond Proceeds
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2016 ABC

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
BC4087	FNMA	3.500 %	\$ 148,237	\$ 139,639
BC6964	FNMA	3.500	6,593,541	5,017,716
BC4091	FNMA	4.000	110,858	102,534
Subtotal			6,852,636	5,259,889

Residential Housing Finance Bond Resolution
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2016 ABC, continued

16ABC Participation Interest in the following Mortgage-Backed Securities
(33.3988% of the principal payments and 100% of the interest payments paid
to 16ABC)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AR0752	GNMA II	3.500 %	\$ 7,079,482	\$ 5,146,665
AR0753	GNMA II	3.500	7,442,958	5,148,530
BC4088	FNMA	3.500	2,244,234	1,509,536
BC4086	FNMA	4.000	466,950	438,979
AM9028	GNMA I	3.000	1,580,780	986,624
AO8774	GNMA I	3.000	2,049,815	1,066,690
AM8976	GNMA II	3.500	486,464	269,018
AM9030	GNMA II	3.500	459,995	279,791
AO8775	GNMA II	3.500	4,172,145	2,511,293
AO8776	GNMA II	3.500	4,878,678	3,185,390
AO8777	GNMA II	3.500	4,710,655	2,871,120
AO8780	GNMA I	3.500	5,472,547	3,448,660
AO8781	GNMA I	3.500	10,554,848	7,325,118
Subtotal			51,599,551	34,187,415
MBS Participation Interest (33.3988%)			17,233,626	11,418,183

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2016 ABC, continued

16ABC Participation Interest in the following Mortgage-Backed Securities
(50.0010% of the principal payments and none of the interest payments paid
to 16ABC)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AR0746	GNMA I	3.000 %	\$ 3,272,028	\$ 2,066,611
BC5191	FNMA	3.500	2,048,514	1,462,837
BC5179	FNMA	4.000	323,883	305,168
Subtotal			5,644,425	3,834,615
MBS Participation Interest (50.0010%)			2,822,269	1,917,346

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2016 ABC, continued

16ABC Participation Interest in the following Mortgage-Backed Securities
(17.5% of the principal payments and none of the interest payments paid
to 16ABC)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
BD5921	FNMA	3.000 %	\$ 935,394	\$ 735,087
BD7768	FNMA	3.000	3,350,804	3,064,596
BC4099	FNMA	3.500	3,002,514	2,072,206
BC5180	FNMA	3.500	137,186	129,141
BC9426	FNMA	3.500	182,077	171,170
BD5216	FNMA	3.500	3,670,214	3,439,685
BD7770	FNMA	3.500	3,826,556	2,838,879
BD2361	FNMA	4.000	1,021,873	782,286
Subtotal			16,126,618	13,233,051
MBS Participation Interest (17.5%)			2,822,158	2,315,784

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2016 ABC, continued

16ABC Participation Interest in the following Mortgage-Backed Securities
(20.055% of the principal payments and none of the interest payments paid
to 16ABC)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AT8143	GNMA I	3.000 %	\$ 5,334,500	\$ 4,105,523
B32197	FHLMC	3.000	282,833	265,098
BE0291	FNMA	3.000	5,134,247	4,000,895
BD5924	FNMA	3.500	363,030	185,675
Subtotal			11,114,610	8,557,191
MBS Participation Interest (20.055%)			2,229,035	1,716,145

Residential Housing Finance Bond Resolution
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2016 ABC, continued

16ABC Participation Interest in the following Mortgage-Backed Securities
(49.9914% of the principal payments and none of the interest payments paid
to 16ABC)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AR0748	GNMA II	3.000 %	\$ 3,630,340	\$ 2,814,866
BC6965	FNMA	4.000	826,966	304,349
Subtotal			4,457,306	3,119,215
MBS Participation Interest (49.9914%)			2,228,270	1,559,339

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2016 ABC, continued

16ABC Participation Interest in the following Mortgage-Backed Securities
(50.0018% of the principal payments and none of the interest payments paid
to 16ABC)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AR0747	GNMA I	3.000 %	\$ 3,877,322	\$ 3,145,205
AR0749	GNMA II	3.000	3,953,558	3,148,602
AR0650	GNMA II	3.500	4,534,923	3,373,629
AR0651	GNMA II	3.500	4,522,700	3,372,454
AR0652	GNMA I	3.500	1,242,123	812,378
AR0750	GNMA II	3.500	6,913,842	3,775,648
AR0751	GNMA II	3.500	6,741,319	4,930,361
AX5784	GNMA II	2.500	259,963.00	243,263
AT8392	GNMA II	3.000	14,213,412	10,956,031
AT8393	GNMA I	3.000	12,562,961	10,355,816
AT8285	GNMA II	3.500	137,602	129,463
BD5933	FNMA	3.500	1,759,859	1,660,076
BE1718	FNMA	3.500	2,575,271	2,135,407
BA0636	FNMA	4.000	274,452	-
Subtotal			63,569,307	48,038,332
MBS Participation Interest (50.0018%)			31,785,798	24,020,031

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2016 ABC, continued

16ABC Participation Interest in the following Mortgage-Backed Securities
(50.005% of the principal payments and none of the interest payments paid
to 16ABC)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through</u> <u>Interest Rate</u>	<u>Principal Amount At</u> <u>Acquisition</u>	<u>Principal Amount</u> <u>Outstanding</u>
AR0649	GNMA II	3.500 %	\$ 4,640,734	\$ 3,462,308
AR0754	GNMA I	3.500	1,654,732	1,054,576
BC4089	FNMA	4.000	1,338,492	1,178,634
Subtotal			7,633,958	5,695,519
MBS Participation Interest (50.005%)			3,817,361	2,848,044

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2016 ABC, continued

16ABC Participation Interest in the following Mortgage-Backed Securities
(17.3082% of the principal payments and none of the interest payments paid
to 16ABC)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AX5910	GNMA I	3.000 %	\$ 7,603,441	\$ 5,612,419
BD5941	FNMA	3.000	1,656,405	1,567,934
BE6508	FNMA	3.000	8,329,390	7,298,498
BE6509	FNMA	3.500	4,266,225	3,208,276
BA0626	FNMA	4.000	195,342	-
Subtotal			22,050,803	17,687,126
MBS Participation Interest (17.3082%)			3,816,597	3,061,323
2016 ABC Total			\$ 73,607,749	\$ 54,116,084

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2016 DEF

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AT8282	GNMA II	2.500 %	\$ 468,571	\$ 437,128
AT8391	GNMA II	2.500	496,079	267,430
AT7716	GNMA I	3.000	1,623,547	1,266,299
AX5785	GNMA II	3.000	4,466,933	3,095,592
AT8394	GNMA II	3.500	159,514	127,808
B32215	FHLMC	3.000	939,625	776,537
B32217	FHLMC	3.000	410,812	386,918
B32218	FHLMC	3.500	296,567	165,745
BD5932	FNMA	3.000	1,379,466	857,556
BE1717	FNMA	3.000	5,428,580	5,041,151
BE4461	FNMA	3.000	4,411,237	3,450,670
BA0630	FNMA	3.500	451,951	428,532
BA0633	FNMA	3.500	1,483,230	942,787
BD5219	FNMA	3.500	914,423	592,060
BA0634	FNMA	4.000	1,796,880	1,164,853
Subtotal			24,727,415	19,001,066

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2016 DEF, continued

16DEF Participation Interest in the following Mortgage-Backed Securities
(49.9982% of the principal payments and 100% of the interest payments paid
to 16DEF)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AX5784	GNMA II	2.500 %	\$ 259,963	\$ 243,263
AT8392	GNMA II	3.000	14,213,412	10,956,031
AT8393	GNMA I	3.000	12,562,961	10,355,816
AT8285	GNMA II	3.500	137,602	129,463
BD5933	FNMA	3.500	1,759,859	1,660,076
BE1718	FNMA	3.500	2,575,271	2,135,407
BA0636	FNMA	4.000	274,452	-
AR0747	GNMA I	3.000	3,877,322	3,145,205
AR0749	GNMA II	3.000	3,953,558	3,148,602
AR0650	GNMA II	3.500	4,534,923	3,373,629
AR0651	GNMA II	3.500	4,522,700	3,372,454
AR0652	GNMA I	3.500	1,242,123	812,378
AR0750	GNMA II	3.500	6,913,842	3,775,648
AR0751	GNMA II	3.500	6,741,319	4,930,361
Subtotal			63,569,307	48,038,332
MBS Participation Interest (49.9982%)			31,783,509	24,018,302

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019**



2016 DEF, continued

16DEF Participation Interest in the following Mortgage-Backed Securities
(50.005% of the principal payments and none of the interest payments paid
to 16DEF)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
BE4463	FNMA	3.500 %	\$ 3,392,549	\$ 2,540,106
Subtotal			3,392,549	2,540,106
MBS Participation Interest (50.005%)			1,696,444	1,270,180

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019**



2016 DEF, continued

16DEF Participation Interest in the following Mortgage-Backed Securities
(7.6918% of the principal payments and none of the interest payments paid
to 16DEF)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AX5910	GNMA I	3.000 %	\$ 7,603,441	\$ 5,612,419
BD5941	FNMA	3.000	1,656,405	1,567,934
BE6508	FNMA	3.000	8,329,390	7,298,498
BE6509	FNMA	3.500	4,266,225	3,208,276
BA0626	FNMA	4.000	195,342	-
Subtotal			22,050,803	17,687,126
MBS Participation Interest (7.6918%)			1,696,104	1,360,458

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019**



2016 DEF, continued

16DEF Participation Interest in the following Mortgage-Backed Securities
(50% of the principal payments and none of the interest payments paid
to 16DEF)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AT8283	GNMA II	3.000 %	\$ 9,887,532	\$ 8,191,951
B32216	FHLMC	3.500	458,940	428,868
Subtotal			10,346,472	8,620,819
MBS Participation Interest (50%)			5,173,236	4,310,409

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2016 DEF, continued

16DEF Participation Interest in the following Mortgage-Backed Securities
(25% of the principal payments and none of the interest payments paid
to 16DEF)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through</u> <u>Interest Rate</u>	<u>Principal Amount At</u> <u>Acquisition</u>	<u>Principal Amount</u> <u>Outstanding</u>
AX5908	GNMA II	2.500 %	\$ 122,023	\$ 114,638
AT8149	GNMA II	3.000	322,685	304,093
AX5793	GNMA II	3.000	465,572	305,999
AX5986	GNMA I	3.000	3,732,410	3,164,917
AO9501	GNMA II	3.500	448,599	423,564
AT7498	GNMA II	3.500	92,943	87,807
AX5915	GNMA II	3.500	520,800	493,962
AX5989	GNMA II	3.500	4,873,647	4,157,886
AX5990	GNMA II	4.000	1,364,441	1,125,615
B32222	FHLMC	4.000	113,706	108,513
BE4720	FNMA	3.000	649,691	505,062
BE6512	FNMA	3.000	395,064	374,502
BE7856	FNMA	3.000	958,379	903,318
BE7857	FNMA	3.500	6,632,991	5,587,527
Subtotal			20,692,948	17,657,402
MBS Participation Interest (25.0%)			5,173,237	4,414,351

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2016 DEF, continued

16DEF Participation Interest in the following Mortgage-Backed Securities
(50% of the principal payments and none of the interest payments paid
to 16DEF)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AX5789	GNMA I	3.000 %	\$ 5,041,826	\$ 3,836,494
Subtotal			5,041,826	3,836,494
MBS Participation Interest (50.0%)			2,520,913	1,918,247

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2016 DEF, continued

16DEF Participation Interest in the following Mortgage-Backed Securities
(33.5% of the principal payments and none of the interest payments paid
to 16DEF)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through</u> <u>Interest Rate</u>	<u>Principal Amount At</u> <u>Acquisition</u>	<u>Principal Amount</u> <u>Outstanding</u>
AX5794	GNMA II	3.000 %	\$ 655,497	\$ 490,162
AX6116	GNMA II	3.000	1,707,090	1,263,745
AX6120	GNMA II	3.000	112,066	106,158
AX6206	GNMA II	3.000	212,943	201,566
AO9439	GNMA II	3.500	529,841	330,444
AX6119	GNMA II	4.000	892,247	452,195
AX6124	GNMA II	4.000	196,802	187,845
BE6511	FNMA	3.000	324,596	303,061
BH0318	FNMA	3.500	1,335,630	965,205
BE4726	FNMA	4.000	1,382,950	1,156,300
BE9284	FNMA	4.000	175,450	-
Subtotal			7,525,112	5,456,681
MBS Participation Interest (33.5%)			2,520,912	1,827,988

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2016 DEF, continued

16DEF Participation Interest in the following Mortgage-Backed Securities
(66.665% of the principal payments and none of the interest payments paid
to 16DEF)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through</u> <u>Interest Rate</u>	<u>Principal Amount At</u> <u>Acquisition</u>	<u>Principal Amount</u> <u>Outstanding</u>
BE4462	FNMA	3.000 %	\$ 6,198,005	\$ 5,556,149
BD5937	FNMA	3.500	2,044,924	1,643,376
AX5786	GNMA II	3.000	4,961,391	4,008,839
AX5787	GNMA II	3.000	4,961,764	3,700,807
AX5788	GNMA I	3.000	6,156,959	4,414,877
BE4732	FNMA	3.000	98,583	94,080
BH2912	FNMA	4.000	2,974,665	2,862,294
AT8286	GNMA II	3.000	457,633	431,249
AX6515	GNMA II	3.500	5,492,465	4,391,915
AX6516	GNMA II	4.000	3,139,100	1,972,569
Subtotal			36,485,488	29,076,154
MBS Participation Interest (66.665%)			24,323,051	19,383,618
2016 DEF Total			\$ 99,614,822	\$ 77,504,619

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2017 ABC

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BD7772	FNMA	3.000 %	\$ 196,706	\$ 187,441
BE0294	FNMA	3.000	179,604	171,160
BE4734	FNMA	3.000	148,729	142,239
BE7859	FNMA	3.000	468,577	442,288
BH2729	FNMA	3.000	383,724	364,616
BH4648	FNMA	3.000	126,200	-
BC4095	FNMA	3.500	438,704	403,130
BD5939	FNMA	3.500	159,402	152,474
BE0295	FNMA	3.500	119,348	113,860
BE4733	FNMA	3.500	328,824	315,375
BE4735	FNMA	3.500	537,739	516,969
BH2730	FNMA	3.500	1,254,329	1,016,945
BH4649	FNMA	3.500	1,004,240	954,307
BH2737	FNMA	4.000	456,858	287,811
BH2734	FNMA	4.500	174,246	167,480
BH4654	FNMA	4.500	516,158	496,998
AT8152	GNMA II	3.000	270,196	256,244
AX5912	GNMA II	3.000	682,872	458,027
AR0758	GNMA II	3.500	638,048	604,513
AR0759	GNMA II	3.500	584,144	555,587
AT7611	GNMA II	3.500	152,881	145,324
AX5916	GNMA II	3.500	376,517	325,650
AX5993	GNMA II	3.500	468,901	444,941
AX6123	GNMA II	3.500	526,494	120,238
AX6518	GNMA II	3.500	640,271	452,531
Subtotal			10,833,711	9,096,148

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2017 ABC, continued

17ABC Participation Interest in the following Mortgage-Backed Securities
(33.335% of the principal payments and 100% of the interest payments paid
to 17ABC)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through</u> <u>Interest Rate</u>	<u>Principal Amount At</u> <u>Acquisition</u>	<u>Principal Amount</u> <u>Outstanding</u>
BE4732	FNMA	3.000	% \$ 98,583	\$ 94,080
BH2912	FNMA	4.000	2,974,665	2,862,294
AT8286	GNMA II	3.000	457,633	431,249
AX6515	GNMA II	3.500	5,492,465	4,391,915
AX6516	GNMA II	4.000	3,139,100	1,972,569
BE4462	FNMA	3.000	6,198,005	5,556,149
BD5937	FNMA	3.500	2,044,924	1,643,376
AX5786	GNMA II	3.000	4,961,391	4,008,839
AX5787	GNMA II	3.000	4,961,764	3,700,807
AX5788	GNMA I	3.000	6,156,959	4,414,877
Subtotal			<u>36,485,488</u>	<u>29,076,154</u>
MBS Participation Interest (33.335%)			12,162,438	9,692,536

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019**



2017 ABC, continued

17ABC Participation Interest in the following Mortgage-Backed Securities
(50.00% of the principal payments and none of the interest payments paid
to 17ABC)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
BH2914	FNMA	4.000 %	\$ 2,290,805	\$ 1,823,231
Subtotal			<u>2,290,805</u>	<u>1,823,231</u>
MBS Participation Interest (50.0%)			1,145,402	911,615

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2017 ABC, continued

17ABC Participation Interest in the following Mortgage-Backed Securities
(30.00% of the principal payments and none of the interest payments paid
to 17ABC)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
BH6206	FNMA	3.500 %	\$ 213,059	\$ 203,941
BJ1725	FNMA	4.000	1,937,075	1,497,799
AX6604	GNMA II	3.500	494,913	475,843
BB3327	GNMA I	3.500	307,537	295,497
AX6520	GNMA II	4.000	150,638	-
AX6606	GNMA II	4.000	296,337	284,325
BB3326	GNMA II	4.000	249,619	240,422
BB3453	GNMA II	4.000	168,827	162,360
Subtotal			3,818,006	3,160,188
MBS Participation Interest (30.0%)			1,145,402	948,056

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2017 ABC, continued

17ABC Participation Interest in the following Mortgage-Backed Securities
(50.000% of the principal payments and 0% of the interest payments paid
to 17ABC)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
Q48789	FHLMC	4.000 %	\$ 1,206,720	\$ 788,474
BH2735	FNMA	3.500	162,620	156,912
BH2910	FNMA	3.500	1,192,918	1,152,648
BE4736	FNMA	4.000	1,280,154	1,066,099
BH2731	FNMA	4.000	2,206,844	1,718,399
BH2732	FNMA	4.000	1,747,479	1,687,003
BH2733	FNMA	4.000	2,772,975	2,399,381
BH4650	FNMA	4.000	1,113,794	972,224
BH4651	FNMA	4.000	2,228,404	2,006,472
BH4652	FNMA	4.000	2,104,727	1,977,166
BH4653	FNMA	4.000	2,290,937	1,691,698
AX6514	GNMA I	3.500	6,265,164	4,810,857
AX6602	GNMA I	3.500	8,203,751	6,455,182
AX6513	GNMA II	4.000	2,562,616	2,119,054
B32270	FHLMC	3.500	786,874	612,696
BJ2867	FNMA	3.500	5,875,027	5,257,951
BJ5391	FNMA	3.500	4,028,730	3,510,760
BJ2871	FNMA	4.000	2,285,270	2,081,280
BJ5218	FNMA	4.000	163,639	158,239
BJ5393	FNMA	4.000	2,890,359	2,215,679
BJ5395	FNMA	4.000	3,265,054	3,155,943

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2017 ABC, continued

17ABC Participation Interest in the following Mortgage-Backed Securities
(50.000% of the principal payments and 0% of the interest payments paid
to 17ABC), continued

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AX6212	GNMA II	3.500 %	\$ 585,625	\$ 563,943
BB3794	GNMA II	3.500	3,071,434	2,575,893
BB3795	GNMA II	3.500	5,412,470	4,554,251
BB3796	GNMA II	3.500	4,094,272	3,396,219
BB3798	GNMA II	3.500	2,880,351	2,418,358
Subtotal			70,678,208	59,502,781
MBS Participation Interest (50.000%)			35,339,104	29,751,391
2017 ABC Total			\$ 60,626,057	\$ 50,399,747

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2017 DEF					
<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through</u>	<u>Interest Rate</u>	<u>Principal Amount At</u>	<u>Principal Amount</u>
				<u>Acquisition</u>	<u>Outstanding</u>
B32253	FHLMC	3.500	%	\$ 164,103	\$ 158,324
B32261	FHLMC	3.500		375,301	362,466
BJ0401	FNMA	3.500		548,771	531,186
BJ5388	FNMA	3.500		1,098,490	1,013,409
BB3874	GNMA II	3.500		5,030,356	4,438,471
BB3875	GNMA II	3.500		4,783,103	3,883,108
BB3876	GNMA II	3.500		5,004,487	4,227,459
BB3877	GNMA II	3.500		4,889,444	3,716,057
BB3878	GNMA II	3.500		4,983,334	4,792,804
BB3880	GNMA II	3.500		5,393,045	4,451,729
BB3879	GNMA II	3.500		4,962,312	4,307,817
Subtotal				37,232,746	31,882,828

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2017 DEF, continued

17DEF Participation Interest in the following Mortgage-Backed Securities
(50.000% of the principal payments and 100% of the interest payments paid
to 17DEF)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
B32270	FHLMC	3.500 %	\$ 786,874	\$ 612,696
BJ2867	FNMA	3.500	5,875,027	5,257,951
BJ5391	FNMA	3.500	4,028,730	3,510,760
BJ2871	FNMA	4.000	2,285,270	2,081,280
BJ5218	FNMA	4.000	163,639	158,239
BJ5393	FNMA	4.000	2,890,359	2,215,679
BJ5395	FNMA	4.000	3,265,054	3,155,943
AX6212	GNMA II	3.500	585,625	563,943
BB3794	GNMA II	3.500	3,071,434	2,575,893
BB3795	GNMA II	3.500	5,412,470	4,554,251
BB3796	GNMA II	3.500	4,094,272	3,396,219
BB3798	GNMA II	3.500	2,880,351	2,418,358
Q48789	FHLMC	4.000	1,206,720	788,474
BH2735	FNMA	3.500	162,620	156,912
BH2910	FNMA	3.500	1,192,918	1,152,648
BE4736	FNMA	4.000	1,280,154	1,066,099
BH2731	FNMA	4.000	2,206,844	1,718,399
BH2732	FNMA	4.000	1,747,479	1,687,003
BH2733	FNMA	4.000	2,772,975	2,399,381
BH4650	FNMA	4.000	1,113,794	972,224
BH4651	FNMA	4.000	2,228,404	2,006,472
BH4652	FNMA	4.000	2,104,727	1,977,166
BH4653	FNMA	4.000	2,290,937	1,691,698

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2017 DEF, continued

17DEF Participation Interest in the following Mortgage-Backed Securities
(50.000% of the principal payments and 100% of the interest payments paid
to 17DEF), continued

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through</u> <u>Interest Rate</u>	<u>Principal Amount At</u> <u>Acquisition</u>	<u>Principal Amount</u> <u>Outstanding</u>
AX6514	GNMA I	3.500 %	\$ 6,265,164	\$ 4,810,857
AX6602	GNMA I	3.500	8,203,751	6,455,182
AX6513	GNMA II	4.000	2,562,616	2,119,054
Subtotal			70,678,208	59,502,781
MBS Participation Interest (50.000%)			35,339,104	29,751,391

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2017 DEF, continued

17DEF Participation Interest in the following Mortgage-Backed Securities
(25.000% of the principal payments and none of the interest payments paid
to 17DEF)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
BB4116	GNMA II	3.500 %	\$ 4,179,316	\$ 3,785,057
BB4114	GNMA I	3.500	4,430,199	4,019,849
BB4115	GNMA I	3.500	1,285,872	1,243,002
B32294	FHLMC	3.500	889,653	799,650
B32295	FHLMC	4.000	72,364	70,142
BH8427	FNMA	3.500	610,540	585,161
BJ5221	FNMA	3.500	1,988,298	1,930,362
BJ5399	FNMA	3.500	456,440	441,782
BJ8207	FNMA	3.500	1,044,791	1,008,723
BK0989	FNMA	3.500	3,778,347	3,546,118
BK0990	FNMA	3.500	2,084,193	2,016,054
BK0991	FNMA	3.500	3,567,149	3,258,928
Subtotal			24,387,161	22,704,827
MBS Participation Interest (25.0%)			6,096,790	5,676,207

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2017 DEF, continued

17DEF Participation Interest in the following Mortgage-Backed Securities
(50.000% of the principal payments and none of the interest payments paid
to 17DEF)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
BJ0412	FNMA	3.500 %	\$ 2,101,228	\$ 1,843,919
BJ2869	FNMA	3.500	2,726,869	1,870,250
BJ2873	FNMA	4.000	2,391,919	1,791,260
BJ5214	FNMA	3.500	1,105,052	761,340
BB3797	GNMA II	3.500	3,868,517	3,470,996
Subtotal			12,193,585	9,737,765
MBS Participation Interest (50.000%)			6,096,793	4,868,883

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019**



2017 DEF, continued

17DEF Participation Interest in the following Mortgage-Backed Securities
(30.000% of the principal payments and none of the interest payments paid
to 17DEF)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
B32303	FHLMC	4.000 %	\$ 460,421	\$ 446,282
BH8343	FNMA	4.000	534,213	319,896
BJ5401	FNMA	4.000	150,788	-
BF2379	GNMA II	3.500	3,368,038	2,664,724
BF2380	GNMA II	4.000	2,882,352	2,504,246
BF2172	GNMA I	3.500	2,167,549	2,100,353
BF2377	GNMA I	3.500	1,338,753	1,289,501
Subtotal			10,902,114	9,325,002
MBS Participation Interest (30.000%)			3,270,634	2,797,501

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2017 DEF, continued

17DEF Participation Interest in the following Mortgage-Backed Securities
(50.000% of the principal payments and none of the interest payments paid
to 17DEF)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through</u> <u>Interest Rate</u>	<u>Principal Amount At</u> <u>Acquisition</u>	<u>Principal Amount</u> <u>Outstanding</u>
BJ0414	FNMA	3.500 %	\$ 2,277,814	\$ 2,201,976
BJ5216	FNMA	3.500	2,318,723	2,048,509
BJ5389	FNMA	3.500	1,982,976	1,761,986
Subtotal			6,579,513	6,012,471
MBS Participation Interest (50.000%)			3,289,756	3,006,235

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2017 DEF, continued

17DEF Participation Interest in the following Mortgage-Backed Securities
(40.000% of the principal payments and none of the interest payments paid
to 17DEF)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BJ0410	FNMA	3.500 %	\$ 550,689	\$ 537,317
BK3342	FNMA	4.000	308,085	301,371
BK1671	FNMA	4.000	291,810	68,227
BK3337	FNMA	4.000	1,305,698	1,121,621
BK3338	FNMA	4.000	2,205,603	2,155,630
BK3339	FNMA	4.000	1,055,529	805,654
BK4075	FNMA	4.000	1,272,248	1,093,697
BK4077	FNMA	4.000	1,089,471	866,423
BK5110	FNMA	4.000	2,136,660	2,083,818
BK6996	FNMA	4.000	1,260,717	1,230,371
BK6997	FNMA	4.000	2,301,801	2,241,656
BK7000	FNMA	4.500	2,319,415	2,265,828
BK7001	FNMA	4.500	2,408,804	2,355,790
B32321	FHLMC	4.000	154,310	150,657
B32316	FHLMC	4.000	597,634	583,253
Q56821	FHLMC	4.500	1,257,783	864,453
BB3331	GNMA II	3.500	535,471	520,467
BB3803	GNMA II	3.500	625,020	413,861
BB4033	GNMA II	3.500	304,304	294,893
BB4119	GNMA II	3.500	575,626	560,173

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2017 DEF, continued

17DEF Participation Interest in the following Mortgage-Backed Securities
(40.000% of the principal payments and none of the interest payments paid
to 17DEF), continued

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BF2384	GNMA II	3.500 %	\$ 547,416	\$ 307,242
BF2612	GNMA II	3.500	162,282	157,104
BF2614	GNMA II	4.000	4,711,173	4,413,058
BF2621	GNMA II	4.000	561,626	548,038
BF2491	GNMA II	4.500	2,569,139	2,151,078
BF2616	GNMA II	4.500	2,348,038	2,133,624
BF2618	GNMA II	4.500	2,087,298	1,788,151
Subtotal			35,543,650	32,013,454
MBS Participation Interest (40.000%)			14,217,460	12,805,382

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2017 DEF, continued

17DEF Participation Interest in the following Mortgage-Backed Securities
(50.000% of the principal payments and none of the interest payments paid
to 17DEF)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BJ0413	FNMA	3.500 %	\$ 1,668,585	\$ 1,612,780
BJ0415	FNMA	3.500	1,364,693	1,321,391
BJ2868	FNMA	3.500	2,138,695	1,734,234
BJ2870	FNMA	3.500	1,241,724	1,197,922
BJ2874	FNMA	4.000	1,172,230	1,133,743
BJ5215	FNMA	3.500	1,139,105	942,100
BJ5217	FNMA	3.500	1,195,322	1,157,357
BJ5390	FNMA	3.500	2,607,621	2,514,773
BJ5392	FNMA	3.500	1,378,345	1,115,602
BJ5394	FNMA	4.000	1,943,975	1,878,678
BB3791	GNMA I	3.500	3,586,872	3,171,121
BB3792	GNMA I	3.500	4,373,543	4,206,429
BB3793	GNMA I	3.500	4,874,109	3,999,057
Subtotal			28,684,820	25,985,185
MBS Participation Interest (50.000%)			14,342,410	12,992,592
2017 DEF Total			\$ 119,885,693	\$ 103,781,018

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2018 ABCD

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
B32314	FHLMC	3.500 %	\$ 163,459	\$ 159,246
B32315	FHLMC	4.500	142,087	138,386
B32320	FHLMC	4.000	116,088	113,400
B32322	FHLMC	4.500	248,252	147,694
B32328	FHLMC	4.000	554,503	425,839
BE4728	FNMA	4.000	369,322	158,653
BJ0400	FNMA	3.500	459,057	302,552
BJ0402	FNMA	3.500	434,785	223,213
BJ2876	FNMA	3.500	339,985	331,091
BJ8219	FNMA	4.000	448,968	437,626
BK0996	FNMA	3.500	446,957	435,245
BK0997	FNMA	3.500	525,586	511,218
BK0998	FNMA	3.500	699,765	506,149
BK1670	FNMA	3.500	413,986	400,677
BK3333	FNMA	3.500	895,167	873,605
BK3335	FNMA	3.500	1,020,628	996,411
BK3336	FNMA	4.000	1,034,111	1,010,142
BK3340	FNMA	4.500	355,128	347,745
BK3341	FNMA	3.500	207,161	202,153
BK4073	FNMA	3.500	480,683	466,685
BK4074	FNMA	4.000	2,014,715	1,691,975
BK4076	FNMA	4.000	1,974,594	1,926,010
BK4078	FNMA	4.500	1,394,390	1,362,025
BK4079	FNMA	4.500	2,074,399	1,600,566
BK5108	FNMA	4.000	1,855,353	1,651,824
BK5109	FNMA	4.000	1,313,057	963,954

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2018 ABCD, continued

Pool Number	Pool Type	Pass-Through		Principal Amount At		Principal Amount	
		Interest Rate		Acquisition		Outstanding	
BK5111	FNMA	4.000	%	\$	665,874	\$	650,364
BK5112	FNMA	4.500			2,664,598		2,292,904
BK5113	FNMA	4.500			3,026,982		2,613,927
BK5114	FNMA	4.500			1,010,895		988,120
BK5117	FNMA	4.500			120,772		118,029
BK6998	FNMA	4.000			824,373		804,965
BK6999	FNMA	4.500			2,960,454		2,556,217
BK7002	FNMA	4.500			1,564,581		1,140,478
AX6211	GNMA II	3.500			443,193		430,375
BB3332	GNMA II	4.000			324,852		177,788
BB3459	GNMA II	3.500			527,574		505,976
BB3594	GNMA II	3.500			472,914		344,148
BB3595	GNMA II	3.500			395,486		384,207
BB3690	GNMA II	3.500			471,395		457,974
BB3800	GNMA II	3.500			361,608		216,886
BB4034	GNMA II	3.500			461,262		114,976
BB4035	GNMA II	3.500			550,625		535,071
BB4120	GNMA II	3.500			427,259		316,872
BB4121	GNMA II	3.500			514,224		500,190
BB4122	GNMA II	3.500			404,126		393,043
BF2178	GNMA II	3.500			437,746		328,339
BF2179	GNMA II	3.500			492,962		479,120
BF2182	GNMA II	3.500			175,760		171,178
BF2487	GNMA II	3.500			1,599,788		1,407,312
BF2490	GNMA II	4.000			1,726,633		1,471,619

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2018 ABCD, continued

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BF2495	GNMA II	4.500 %	\$ 195,365	\$ 190,789
BF2933	GNMA II	3.500	102,949	100,189
BF2938	GNMA II	4.500	3,553,501	3,015,739
BF2170	GNMA I	3.500	3,185,013	2,728,610
Subtotal			49,644,950	42,819,492

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2018 ABCD, continued

18ABCD Participation Interest in the following Mortgage-Backed Securities
(60.000% of the principal payments and 100% of the interest payments paid
to 18ABCD)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
B32316	FHLMC	4.000 %	\$ 597,634	\$ 583,253
B32321	FHLMC	4.000	154,310	150,657
Q56821	FHLMC	4.500	1,257,783	864,453
BJ0410	FNMA	3.500	550,689	537,317
BK1671	FNMA	4.000	291,810	68,227
BK3337	FNMA	4.000	1,305,698	1,121,621
BK3338	FNMA	4.000	2,205,603	2,155,630
BK3339	FNMA	4.000	1,055,529	805,654
BK3342	FNMA	4.000	308,085	301,371
BK4075	FNMA	4.000	1,272,248	1,093,697
BK4077	FNMA	4.000	1,089,471	866,423
BK5110	FNMA	4.000	2,136,660	2,083,818
BK6996	FNMA	4.000	1,260,717	1,230,371
BK6997	FNMA	4.000	2,301,801	2,241,656
BK7000	FNMA	4.500	2,319,415	2,265,828
BK7001	FNMA	4.500	2,408,804	2,355,790
BB3331	GNMA II	3.500	535,471	520,467
BB3803	GNMA II	3.500	625,020	413,861
BB4033	GNMA II	3.500	304,304	294,893
BB4119	GNMA II	3.500	575,626	560,173
BF2384	GNMA II	3.500	547,416	307,242
BF2491	GNMA II	4.500	2,569,139	2,151,078
BF2612	GNMA II	3.500	162,282	157,104

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2018 ABCD, continued

18ABCD Participation Interest in the following Mortgage-Backed Securities
(60.000% of the principal payments and 100% of the interest payments paid
to 18ABCD)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BF2616	GNMA II	4.500 %	\$ 2,348,038	\$ 2,133,624
BF2618	GNMA II	4.500	2,087,298	1,788,151
BF2614	GNMA II	4.000	4,711,173	4,413,058
BF2621	GNMA II	4.000	561,626	548,038
Subtotal			35,543,650	32,013,454
MBS Participation Interest (60.000%)			21,326,190	19,208,073

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2018 ABCD, continued

18ABCD Participation Interest in the following Mortgage-Backed Securities
(50.000% of the principal payments and 100% of the interest payments paid
to 18ABCD)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BJ0413	FNMA	3.500 %	\$ 1,654,698	\$ 1,612,780
BJ0415	FNMA	3.500	1,354,162	1,321,391
BJ2868	FNMA	3.500	2,119,623	1,734,234
BJ2870	FNMA	3.500	1,231,254	1,197,922
BJ2874	FNMA	4.000	1,162,942	1,133,743
BJ5215	FNMA	3.500	1,129,624	942,100
BJ5217	FNMA	3.500	1,186,168	1,157,357
BJ5390	FNMA	3.500	2,584,435	2,514,773
BJ5392	FNMA	3.500	1,366,560	1,115,602
BJ5394	FNMA	4.000	1,927,501	1,878,678
BB3791	GNMA I	3.500	3,554,670	3,171,121
BB3792	GNMA I	3.500	4,333,087	4,206,429
BB3793	GNMA I	3.500	4,830,196	3,999,057
Subtotal			28,434,918	25,985,185
MBS Participation Interest (50.000%)			14,217,459	12,992,592

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019**



2018 ABCD, continued

18ABCD Participation Interest in the following Mortgage-Backed Securities
(23.8% of the principal payments and 0% of the interest payments paid
to 18ABCD)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BK8043	FNMA	5.000 %	\$ 420,043	\$ 179,524
BK8048	FNMA	5.000	154,823	151,906
BK8980	FNMA	4.500	1,466,705	1,230,779
BF2622	GNMA II	4.000	452,287	441,964
BF2624	GNMA II	4.500	534,479	523,365
BF2939	GNMA II	4.000	491,314	480,549
BF3050	GNMA II	4.500	1,341,407	1,188,195
Subtotal			4,861,057	4,196,281
MBS Participation Interest (23.8%)			1,156,932	998,715

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019**



2018 ABCD, continued

18ABCD Participation Interest in the following Mortgage-Backed Securities
(60.000% of the principal payments and 26.6428% of the interest payments
paid to 18ABCD)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
BF2488	GNMA II	4.000 %	\$ 2,892,334	\$ 2,528,183
Subtotal			2,892,334	2,528,183
MBS Participation Interest (60.000%)			1,735,400	1,516,910

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019**



2018 ABCD, continued

18ABCD Participation Interest in the following Mortgage-Backed Securities
(24.9962% of the principal payments and 0% of the interest payments paid
to 18ABCD)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
B32327	FHLMC	4.500 %	\$ 221,504	\$ 217,483
B32350	FHLMC	5.000	336,447	330,988
B32362	FHLMC	5.000	203,253	200,007
BK8971	FNMA	4.500	420,812	412,702
BK8972	FNMA	4.500	527,447	518,214
BK9342	FNMA	4.500	507,214	498,801
BN0265	FNMA	5.000	930,657	915,592
Subtotal			3,147,332	3,093,787
MBS Participation Interest (24.9962%)			786,713	773,329

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019**



2018 ABCD, continued

18ABCD Participation Interest in the following Mortgage-Backed Securities
(60.000% of the principal payments and 25.5425% of the interest payments
paid to 18ABCD)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
BF2613	GNMA II	4.000 %	\$ 1,966,784	\$ 1,647,318
Subtotal			1,966,784	1,647,318
MBS Participation Interest (60.000%)			1,180,070	988,391

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019**



2018 ABCD, continued

18ABCD Participation Interest in the following Mortgage-Backed Securities
(39.9976% of the principal payments and 0% of the interest payments paid
to 18ABCD)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BB3882	GNMA	3.500 %	\$ 2,433,820	\$ 2,108,117
BF3126	GNMA II	4.000	1,969,609	1,936,894
BI5933	GNMA II	4.000	5,053,923	4,971,038
BI6182	GNMA II	4.000	3,449,985	3,257,918
BI6183	GNMA II	4.000	3,382,053	3,327,977
BI6070	GNMA II	4.500	5,213,371	4,919,713
BI6184	GNMA II	4.500	3,474,491	3,236,892
BI6185	GNMA II	4.500	4,381,919	3,990,314
BI6186	GNMA II	4.500	5,013,250	4,753,776
Subtotal			34,372,422	32,502,641
MBS Participation Interest (39.9976%)			13,748,144	13,000,276

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2018 ABCD, continued

18ABCD Participation Interest in the following Mortgage-Backed Securities
(60.000% of the principal payments and the percentage of the interest payments shown
for each MBS in the table below paid to 18ABCD)

Pool Number	Pool Type	Pass-Through Interest	Interest Participation	Principal Amount At Acquisition	Principal Amount Outstanding
BF2177	GNMA	3.500	% 29.5335 %	\$ 1,004,344	\$ 984,648
BF2171	GNMA	3.500	29.5335	1,788,664	1,713,347
BF2378	GNMA	3.500	29.5335	4,114,255	3,843,332
BF2493	GNMA II	4.000	25.5425	616,883	606,740
BF2615	GNMA II	4.000	25.5425	3,662,418	3,159,606
BF2934	GNMA II	4.000	25.5425	4,891,882	4,410,416
BF2935	GNMA II	4.000	25.5425	6,042,297	5,163,374
BF2617	GNMA II	4.500	24.2974	3,369,519	2,443,722
BF2936	GNMA II	4.500	24.2227	4,492,876	3,596,961
BF2937	GNMA II	4.500	24.5703	4,387,315	3,922,482
Subtotal				34,370,453	29,844,628
MBS Participation Interest (60.000%)				20,622,272	17,906,777
2018 ABCD Total				<u>\$ 124,418,130</u>	<u>\$ 110,204,555</u>

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2018 EFGH

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BJ1726	FNMA	3.500 %	\$ 315,572	\$ 309,852
BJ5397	FNMA	3.500	433,588	421,755
BJ5398	FNMA	3.500	445,687	437,376
BJ8217	FNMA	3.500	506,477	483,148
BJ5233	FNMA	3.500	149,889	147,479
BK4081	FNMA	4.000	256,835	106,427
BK4080	FNMA	4.000	381,469	375,087
BK7003	FNMA	4.000	505,809	496,951
BK8963	FNMA	4.000	4,291,720	4,053,041
BK8037	FNMA	4.000	1,000,675	984,509
BK9990	FNMA	4.000	149,776	147,639
BK9992	FNMA	4.000	154,145	151,948
BN0259	FNMA	4.000	245,655	241,829
BK8044	FNMA	4.500	457,447	450,506
BK7005	FNMA	4.500	204,837	201,664
BK8046	FNMA	4.500	565,390	556,926
BK9339	FNMA	4.500	437,996	431,339
BK9341	FNMA	4.500	502,441	495,121
BK9994	FNMA	4.500	1,646,268	1,621,347
BK9997	FNMA	4.500	127,747	126,027
BN0264	FNMA	4.500	5,484,630	5,166,762
Q58620	FHLMC	4.500	1,178,359	1,156,473
Q58602	FHLMC	4.500	1,111,370	1,094,839
Q58603	FHLMC	4.500	1,063,623	1,047,767
BN0268	FNMA	4.500	398,255	392,628
BN0269	FNMA	4.500	347,438	342,528

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2018 EFGH, continued

Pool Number	Pool Type	Pass-Through		Principal Amount At		Principal Amount	
		Interest Rate		Acquisition		Outstanding	
BK9999	FNMA	4.500	%	\$	1,381,013	\$	1,362,467
BN0000	FNMA	4.500			1,953,327		1,924,496
BN0001	FNMA	4.500			4,323,173		4,261,734
BN1399	FNMA	4.500			1,484,027		1,398,235
BN1817	FNMA	4.500			3,769,726		3,214,330
BN1818	FNMA	4.500			3,545,557		3,179,212
BN1819	FNMA	4.500			4,488,989		4,052,445
BN1820	FNMA	4.500			6,659,459		6,130,866
BN1822	FNMA	4.500			487,649		377,716
BN2708	FNMA	4.500			3,782,211		3,270,561
Q59693	FHLMC	4.500			1,055,496		1,039,696
Q59698	FHLMC	4.500			1,623,029		1,597,776
BN0270	FNMA	5.000			152,724		150,619
BN1821	FNMA	5.000			858,456		845,382
B32379	FHLMC	5.000			499,974		492,962
BN2709	FNMA	5.000			1,116,372		1,100,996
BN2710	FNMA	5.000			1,550,673		1,265,168
B32393	FHLMC	5.000			180,589		178,052
B32364	FHLMC	4.500			460,803		453,539
BB3454	GNMA II	3.500			335,283		328,952
BB3460	GNMA II	3.500			505,269		495,768
BB3801	GNMA II	3.500			451,312		442,519

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2018 EFGH, continued

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BB3802	GNMA II	3.500 %	\$ 429,691	\$ 421,457
BF2383	GNMA II	3.500	466,053	411,177
BF2385	GNMA II	4.000	563,784	553,760
BI6065	GNMA II	4.000	2,544,854	2,501,508
BI6066	GNMA II	4.000	5,879,906	5,781,156
BF2623	GNMA II	4.500	463,185	455,518
BF3057	GNMA II	4.500	420,914	414,197
BF3059	GNMA II	4.500	479,902	470,719
BI6069	GNMA II	4.500	4,157,487	3,480,889
BI6293	GNMA II	4.000	3,463,322	3,106,544
Subtotal			81,897,311	76,601,383

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019**



2018 EFGH, continued

18EFGH Participation Interest in the following Mortgage-Backed Securities
(60.0024% of the principal payments and 100% of the interest payments paid
to 18EFGH)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BB3882	GNMA	3.500 %	\$ 2,433,820	\$ 2,108,117
BF3126	GNMA II	4.000	1,969,609	1,936,894
BI5933	GNMA II	4.000	5,053,923	4,971,038
BI6182	GNMA II	4.000	3,449,985	3,257,918
BI6183	GNMA II	4.000	3,382,053	3,327,977
BI6070	GNMA II	4.500	5,213,371	4,919,713
BI6184	GNMA II	4.500	3,474,491	3,236,892
BI6185	GNMA II	4.500	4,381,919	3,990,314
BI6186	GNMA II	4.500	5,013,250	4,753,776
Subtotal			34,372,422	32,502,641
MBS Participation Interest (60.0024%)			20,624,278	19,502,364

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2018 EFGH, continued

18EFGH Participation Interest in the following Mortgage-Backed Securities
(40.000% of the principal payments and the percentage of the interest payments shown
for each MBS in the table below paid to 18EFGH)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass- Through</u>	<u>Interest Participation</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
BF2177	GNMA	3.500	% 70.4665 %	\$ 1,004,344	\$ 984,648
BF2171	GNMA	3.500	70.4665	1,788,664	1,713,347
BF2378	GNMA	3.500	70.4665	4,114,255	3,843,332
BF2493	GNMA II	4.000	74.4575	616,883	606,740
BF2615	GNMA II	4.000	74.4575	3,662,418	3,159,606
BF2934	GNMA II	4.000	74.4575	4,891,882	4,410,416
BF2935	GNMA II	4.000	74.4575	6,042,297	5,163,374
BF2617	GNMA II	4.500	75.7026	3,369,519	2,443,722
BF2936	GNMA II	4.500	75.7773	4,492,876	3,596,961
BF2937	GNMA II	4.500	75.4297	4,387,315	3,922,482
Subtotal				34,370,453	29,844,628
MBS Participation Interest (40.000%)				13,748,181	11,937,851

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2018 EFGH, continued

18EFGH Participation Interest in the following Mortgage-Backed Securities
(37.5225% of the principal payments and 0% of the interest payments paid
to 18EFGH)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BN3059	FNMA	4.500 %	\$ 3,011,057	\$ 2,984,282
BN6774	FNMA	4.500	5,494,643	4,870,783
BN6775	FNMA	5.000	1,631,285	1,616,469
BN6776	FNMA	5.000	2,366,006	2,344,291
BN7977	FNMA	4.500	2,510,326	2,479,235
BN7978	FNMA	4.500	4,831,213	4,556,039
BN7979	FNMA	5.000	1,470,746	1,456,627
BI6439	GNMA II	5.500	204,132	202,166
BI6444	GNMA II	4.500	733,471	472,798
BI6679	GNMA II	5.000	642,179	408,648
BI6808	GNMA II	4.500	3,689,956	3,536,914
BI6814	GNMA II	5.000	3,025,576	2,993,159
BI6916	GNMA II	4.000	5,454,249	5,394,385
Subtotal			35,064,841	33,315,796
MBS Participation Interest (37.5225%)			13,157,205	12,500,919

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2018 EFGH, continued

18EFGH Participation Interest in the following Mortgage-Backed Securities
(61.6491% of the principal payments and the percentage of the interest payments shown
for each MBS in the table below paid to 18EFGH)

Pool Number	Pool Type	Pass-Through			Principal Amount At	Principal Amount
		Interest Rate	Interest Participation		Acquisition	Outstanding
BN0005	FNMA	4.500 %	26.0429	%	\$ 1,780,150	\$ 1,764,074
BN0006	FNMA	4.500	26.1354		3,398,242	3,367,436
BN0007	FNMA	4.500	25.9282		1,831,086	1,813,763
BN0008	FNMA	4.500	26.0567		5,305,274	5,255,193
BN2703	FNMA	4.500	28.3402		1,632,556	1,552,834
BN2704	FNMA	4.500	28.2477		5,479,448	5,276,587
BN2705	FNMA	4.500	28.3949		5,171,051	4,804,520
BN2706	FNMA	4.500	28.6269		5,773,544	5,530,999
BN2707	FNMA	4.500	28.4498		3,936,068	3,689,631
Subtotal					34,307,418	33,055,037
MBS Participation Interest (61.6491%)					21,150,214	20,378,133
2018 EFGH Total					<u>\$ 149,920,904</u>	<u>\$ 140,920,651</u>

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2019 ABCD

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
B32380	FHLMC	5.000 %	\$ 133,578	\$ 132,313
B32409	FHLMC	5.000	167,768	166,232
B32429	FHLMC	5.000	633,910	628,146
B32430	FHLMC	5.500	120,678	119,571
B32431	FHLMC	4.500	166,861	165,299
B32457	FHLMC	5.000	439,982	433,864
B32478	FHLMC	5.000	461,486	256,507
Q60966	FHLMC	4.500	1,434,087	1,090,085
Q61626	FHLMC	4.500	1,868,626	1,849,929
Q62157	FHLMC	4.500	1,082,490	1,071,184
Q63201	FHLMC	4.500	1,316,385	1,164,844
BK0999	FNMA	4.000	742,290	730,497
BN0266	FNMA	4.500	514,281	508,694
BN1827	FNMA	4.500	588,005	582,404
BN2696	FNMA	4.500	581,292	575,600
BN2697	FNMA	4.500	432,672	428,478
BN2698	FNMA	4.500	298,817	294,518
BN3053	FNMA	4.500	3,788,834	3,754,101
BN3054	FNMA	5.000	1,619,709	1,606,354
BN3055	FNMA	4.500	170,906	169,450
BN3058	FNMA	4.500	1,206,008	1,195,628
BN3060	FNMA	5.000	199,234	197,628
BN3595	FNMA	4.500	493,748	399,711

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2019 ABCD, continued

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BN4198	FNMA	4.500 %	\$ 559,929	\$ 553,867
BN4200	FNMA	5.000	465,131	460,891
BN4201	FNMA	5.000	398,151	394,711
BN4973	FNMA	5.500	183,545	182,021
BN4974	FNMA	4.500	552,714	547,508
BN4977	FNMA	4.500	407,639	403,780
BN6772	FNMA	4.500	3,442,305	3,408,338
BN6773	FNMA	4.500	1,954,207	1,760,795
BN6777	FNMA	5.500	226,272	224,405
BN7980	FNMA	4.500	511,672	506,615
BN8515	FNMA	5.000	279,489	277,182
BF3055	GNMA II	4.500	587,952	581,528
BI5941	GNMA II	4.500	250,111	246,312
BI6074	GNMA II	4.500	577,359	349,551
BI6192	GNMA II	4.500	422,666	418,053
BI6193	GNMA II	4.500	555,730	549,977
BI6194	GNMA II	4.500	754,141	746,358
BI6302	GNMA II	4.500	499,728	493,920
BI6303	GNMA II	4.500	691,814	684,252
BI6304	GNMA II	4.500	517,836	512,487
BI6305	GNMA II	4.500	614,940	608,603
BI6306	GNMA II	4.500	525,368	518,801
BI6441	GNMA II	4.500	563,518	557,102
BI6443	GNMA II	4.500	403,109	399,017
BI6675	GNMA II	4.500	577,661	571,520
BI6677	GNMA II	4.500	471,754	467,065

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2019 ABCD, continued

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BI6678	GNMA II	4.500 %	\$ 441,433	\$ 437,141
BI6680	GNMA II	5.000	571,010	565,517
BI6809	GNMA II	4.500	4,067,041	3,875,226
BI6811	GNMA II	4.500	4,044,999	4,003,402
BI6812	GNMA II	4.500	3,993,114	3,952,757
BI6813	GNMA II	5.000	2,031,474	2,012,230
BI6815	GNMA II	4.500	518,736	372,848
BI6816	GNMA II	4.500	542,022	536,641
BI6817	GNMA II	4.500	422,645	418,259
BI6818	GNMA II	4.500	339,077	335,791
BI6917	GNMA II	4.500	3,213,631	2,866,120
BM1599	GNMA II	4.500	4,725,842	4,674,055
BM1600	GNMA II	5.000	329,825	326,530
BM1603	GNMA II	4.500	575,067	569,127
BM1808	GNMA II	4.500	3,695,417	3,381,963
728666	GNMA II	4.250	60,135	58,816
743566	GNMA II	4.250	75,740	74,272
728516	GNMA II	4.625	2,558,611	2,186,474
728614	GNMA II	4.625	324,354	318,110
728262	GNMA II	4.875	185,487	133,404
728517	GNMA II	4.875	514,979	427,957
AC9191	FNMA	4.562	51,868	50,895
AC6444	FNMA	5.187	157,269	154,275
Subtotal			68,896,165	65,677,509

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2019 ABCD, continued

19ABCD Participation Interest in the following Mortgage-Backed Securities
(50% of the principal payments and 0% of the interest payments paid to 19ABCD)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
728515	GNMA II	4.500 %	\$ 1,683,220	\$ 1,483,495
728534	GNMA II	4.500	717,724	703,408
728613	GNMA II	4.500	973,189	833,149
728261	GNMA II	4.625	286,413	187,925
728535	GNMA II	4.625	405,656	397,769
728536	GNMA II	4.875	138,186	135,625
728519	GNMA II	5.125	309,561	225,100
735236	GNMA II	5.125	23,903	20,256
AC9166	FNMA	4.562	204,243	199,321
AC9177	FNMA	4.562	75,177	-
735540	GNMA II	4.500	1,458,394	1,434,136
743212	GNMA II	4.500	113,830	112,138
747576	GNMA II	4.500	190,437	187,774
747684	GNMA II	4.500	741,626	729,808
751069	GNMA II	4.500	399,623	394,052
751083	GNMA II	4.500	471,443	464,738
735284	GNMA II	4.625	295,041	290,779

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2019 ABCD, continued

19ABCD Participation Interest in the following Mortgage-Backed Securities
(50% of the principal payments and 0% of the interest payments paid to 19ABCD)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
735439	GNMA II	4.625 %	\$ 244,080	\$ 239,569
747509	GNMA II	4.625	804,212	720,545
747822	GNMA II	4.625	430,039	424,022
735542	GNMA II	4.750	308,884	304,485
AD6803	FNMA	4.500	738	-
AD2660	FNMA	4.562	102,758	-
AD3417	FNMA	4.562	251,072	246,994
AD3424	FNMA	4.562	84,505	83,303
AD4234	FNMA	4.562	150,011	147,552
AD4246	FNMA	4.562	186,775	183,106
AD5863	FNMA	4.750	75,273	74,137
Subtotal			11,126,015	10,223,184
MBS Participation Interest (50%)			5,563,007	5,111,592

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2019 ABCD, continued

19ABCD Participation Interest in the following Mortgage-Backed Securities
(62.4775% of the principal payments and 100% of the interest payments paid
to 19ABCD)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BN3059	FNMA	4.500 %	\$ 3,011,057	\$ 2,984,282
BN6774	FNMA	4.500	5,494,643	4,870,783
BN6775	FNMA	5.000	1,631,285	1,616,469
BN6776	FNMA	5.000	2,366,006	2,344,291
BN7977	FNMA	4.500	2,510,326	2,479,235
BN7978	FNMA	4.500	4,831,213	4,556,039
BN7979	FNMA	5.000	1,470,746	1,456,627
BI6439	GNMA II	5.500	204,132	202,166
BI6444	GNMA II	4.500	733,471	472,798
BI6679	GNMA II	5.000	642,179	408,648
BI6808	GNMA II	4.500	3,689,956	3,536,914
BI6814	GNMA II	5.000	3,025,576	2,993,159
BI6916	GNMA II	4.000	5,454,249	5,394,385
Subtotal			35,064,841	33,315,796
MBS Participation Interest (62.4775%)			21,907,636	20,814,876

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2019 ABCD, continued

19ABCD Participation Interest in the following Mortgage-Backed Securities
(38.3509% of the principal payments and the percentage of the interest payments shown
for each MBS in the table below paid to 19ABCD)

Pool Number	Pool Type	Pass-Through			Principal Amount At Acquisition	Principal Amount Outstanding
		Interest Rate	Interest Participation			
BN0005	FNMA	4.500	% 73.9571	% \$	1,780,150	\$ 1,764,074
BN0006	FNMA	4.500	73.8646		3,398,242	3,367,436
BN0007	FNMA	4.500	74.0718		1,831,086	1,813,763
BN0008	FNMA	4.500	73.9433		5,305,274	5,255,193
BN2703	FNMA	4.500	71.6598		1,632,556	1,552,834
BN2704	FNMA	4.500	71.7523		5,479,448	5,276,587
BN2705	FNMA	4.500	71.6051		5,171,051	4,804,520
BN2706	FNMA	4.500	71.3731		5,773,544	5,530,999
BN2707	FNMA	4.500	71.5502		3,936,068	3,689,631
Subtotal					34,307,418	33,055,037
MBS Participation Interest (38.3509%)					13,157,203	12,676,904

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2019 ABCD, continued

19ABCD Participation Interest in the following Mortgage-Backed Securities
(81.2333% of the principal payments and the percentage of the interest payments shown
for each MBS in the table below paid to 19ABCD)

Pool Number	Pool Type	Pass-Through		Principal Amount At		Principal Amount
		Interest Rate	Interest Participation	Acquisition		Outstanding
Q63202	FHLMC	5.000	% 25.9163	%	\$ 999,220	\$ 995,734
BN3056	FNMA	5.000	23.5406		199,272	198,493
BN4976	FNMA	4.500	26.2779		472,983	471,042
BN4978	FNMA	5.000	24.9371		301,296	300,225
BN8514	FNMA	4.500	24.3146		506,779	504,957
BN8517	FNMA	4.500	24.5941		3,208,270	3,197,360
BN8518	FNMA	4.500	24.5641		193,770	193,138
BN9777	FNMA	4.500	28.0301		3,866,449	3,851,222
BN9778	FNMA	4.500	28.0859		4,476,785	4,278,297
BN9779	FNMA	5.000	26.4402		2,065,363	2,056,825
BN9780	FNMA	5.000	26.1853		2,873,237	2,862,997
BF3054	GNMA II	4.000	30.5392		608,816	606,175
BI6072	GNMA II	4.000	30.5392		732,396	729,342
BI6189	GNMA II	4.000	30.5392		294,896	293,667
BI6301	GNMA II	4.000	30.5392		615,954	613,415
BI6433	GNMA II	4.000	30.5392		111,135	110,677
BI6436	GNMA II	4.500	28.1138		7,475,930	7,054,025
BI6634	GNMA II	4.000	30.5392		139,898	139,319
BI6671	GNMA II	4.500	28.0691		5,451,323	5,430,341
BI6674	GNMA II	4.000	30.5392		405,411	403,742
BI6676	GNMA II	4.500	27.8148		490,345	328,877

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2019 ABCD, continued

19ABCD Participation Interest in the following Mortgage-Backed Securities
(81.2333% of the principal payments and the percentage of the interest payments shown
for each MBS in the table below paid to 19ABCD)

Pool Number	Pool Type	Pass-Through			Principal Amount At Acquisition	Principal Amount Outstanding
		Interest Rate	Interest Participation			
BI6807	GNMA II	4.000 %	30.5392 %	\$	2,181,367	\$ 1,991,520
BI6810	GNMA II	4.500	28.5976		3,661,437	3,470,152
BM1602	GNMA II	4.000	30.5392		622,567	620,022
BM1804	GNMA II	4.000	30.8729		3,915,099	3,898,755
BM1805	GNMA II	4.000	30.6652		4,103,922	4,087,388
Subtotal					49,973,919	48,687,707
MBS Participation Interest (81.2333%)					40,595,464	39,550,631

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2019 ABCD, continued

19ABCD Participation Interest in the following Mortgage-Backed Securities
(27.5% of the principal payments and 0% of the interest payments paid to 19ABCD)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BM1901	GNMA II	4.500 %	\$ 358,838	\$ 357,427
BM2252	GNMA II	4.000	568,544	565,689
BM2255	GNMA II	4.000	525,577	523,488
BM2402	GNMA II	3.500	5,258,785	5,233,714
BM2403	GNMA II	3.500	5,777,875	5,751,436
BM2404	GNMA II	4.000	8,058,509	8,023,933
BM2406	GNMA II	4.000	6,307,005	6,280,543
BM2407	GNMA II	4.000	7,248,350	7,218,273
Subtotal			34,103,484	33,954,502
MBS Participation Interest (27.5%)			9,378,458	9,337,488
2019 ABCD Total			\$ 159,497,934	\$ 153,169,000

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
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2019 EFGH

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
QA1910	FHLMC	4.000 %	\$ 303,133	\$ 301,949
QA2735	FHLMC	4.000	1,968,857	1,960,667
BN3047	FNMA	4.000	74,782	74,425
BO3438	FNMA	4.000	5,703,888	5,680,872
BO3443	FNMA	4.000	253,655	252,662
BO4852	FNMA	4.000	4,430,240	4,411,317
BO4853	FNMA	4.000	6,927,718	6,897,028
BM2401	GNMA II	3.500	4,182,373	4,163,091
BP7170	GNMA II	3.500	5,270,857	5,244,779
BP7171	GNMA II	3.500	6,647,366	6,616,453
BP7172	GNMA II	3.500	4,363,354	4,338,632
BP7173	GNMA II	3.500	4,263,395	4,244,407
BP7174	GNMA II	3.500	2,828,291	2,815,805
BP7175	GNMA II	3.500	5,245,806	5,222,098
BP7176	GNMA II	3.500	4,027,584	4,009,627
BM2114	GNMA II	4.000	484,043	482,115
BP7177	GNMA II	4.000	4,599,444	4,577,799
QA1913	FHLMC	4.500	268,895	268,895
BK8969	FNMA	4.000	670,471	670,471
BN1825	FNMA	4.500	478,100	478,100
BN4975	FNMA	4.500	487,241	487,241
BN6958	FNMA	5.000	679,474	679,474
BN8521	FNMA	5.500	315,053	315,053
BN9782	FNMA	4.500	528,919	528,919
BO0886	FNMA	4.500	404,429	404,429

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2019 EFGH, continued

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BO0887	FNMA	4.500 %	\$ 371,825	\$ 371,825
BO1727	FNMA	5.000	601,050	601,050
BO4858	FNMA	4.000	381,454	381,454
BO4859	FNMA	4.000	304,880	304,880
BO5818	FNMA	3.500	2,349,877	2,349,877
BO5819	FNMA	3.500	4,402,763	4,402,763
BO5820	FNMA	3.500	6,430,890	6,430,890
BO6569	FNMA	3.000	2,211,197	2,211,197
BO6570	FNMA	3.500	4,792,382	4,792,382
BO6571	FNMA	3.500	2,358,562	2,358,562
BO6573	FNMA	3.500	4,118,982	4,118,982
BO7189	FNMA	4.000	1,971,556	1,971,556
BM1810	GNMA II	4.000	422,609	422,609
BM2408	GNMA II	3.500	514,529	514,529
BP7484	GNMA II	3.000	1,342,876	1,342,876
BP7485	GNMA II	3.000	5,074,176	5,074,176
BP7486	GNMA II	3.000	4,414,542	4,414,542
BP7487	GNMA II	3.000	4,990,603	4,990,603
BP7488	GNMA II	3.000	3,940,658	3,940,658
BP7489	GNMA II	3.000	5,734,482	5,734,482
BP7490	GNMA II	3.000	5,221,824	5,221,824
BP7611	GNMA II	3.000	4,883,130	4,883,130
BP7612	GNMA II	3.000	5,817,549	5,817,549
BP7613	GNMA II	3.000	3,916,502	3,916,502
BP7614	GNMA II	3.000	3,276,256	3,276,256
BP7615	GNMA II	3.000	4,944,419	4,944,419
BP7616	GNMA II	3.000	3,505,323	3,505,323
BP7617	GNMA II	3.000	3,667,630	3,667,630
Subtotal			\$ 157,369,896	\$ 157,088,833

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2019 EFGH, continued

19EFGH Participation Interest in the following Mortgage-Backed Securities
(72.5% of the principal payments and 100% of the interest payments paid to 19EFGH)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BM1901	GNMA II	4.500 %	\$ 358,838	\$ 357,427
BM2252	GNMA II	4.000	568,544	565,689
BM2255	GNMA II	4.000	525,577	523,488
BM2402	GNMA II	3.500	5,258,785	5,233,714
BM2403	GNMA II	3.500	5,777,875	5,751,436
BM2404	GNMA II	4.000	8,058,509	8,023,933
BM2406	GNMA II	4.000	6,307,005	6,280,543
BM2407	GNMA II	4.000	7,248,350	7,218,273
Subtotal			34,103,484	33,954,502
MBS Participation Interest (72.5%)			24,725,026	24,617,014

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2019 EFGH, continued

19EFGH Participation Interest in the following Mortgage-Backed Securities
(18.7667% of the principal payments and the percentage of the interest payments shown
for each MBS in the table below paid to 19EFGH)

Pool Number	Pool Type	Pass-Through		Principal Amount At		Principal Amount
		Interest Rate	Interest Participation	Acquisition		Outstanding
Q63202	FHLMC	5.000	% 74.0837	%	\$ 999,220	\$ 995,734
BN3056	FNMA	5.000	76.4594		199,272	198,493
BN4976	FNMA	4.500	73.7221		472,983	471,042
BN4978	FNMA	5.000	75.0629		301,296	300,225
BN8514	FNMA	4.500	75.6854		506,779	504,957
BN8517	FNMA	4.500	75.4059		3,208,270	3,197,360
BN8518	FNMA	4.500	75.4359		193,770	193,138
BN9777	FNMA	4.500	71.9699		3,866,449	3,851,222
BN9778	FNMA	4.500	71.9141		4,476,785	4,278,297
BN9779	FNMA	5.000	73.5598		2,065,363	2,056,825
BN9780	FNMA	5.000	73.8147		2,873,237	2,862,997
BF3054	GNMA II	4.000	69.4608		608,816	606,175
BI6072	GNMA II	4.000	69.4608		732,396	729,342
BI6189	GNMA II	4.000	69.4608		294,896	293,667
BI6301	GNMA II	4.000	69.4608		615,954	613,415
BI6433	GNMA II	4.000	69.4608		111,135	110,677
BI6436	GNMA II	4.500	71.8862		7,475,930	7,054,025
BI6634	GNMA II	4.000	69.4608		139,898	139,319
BI6671	GNMA II	4.500	71.9309		5,451,323	5,430,341
BI6674	GNMA II	4.000	69.4608		405,411	403,742
BI6676	GNMA II	4.500	72.1852		490,345	328,877

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2019 EFGH, continued

19EFGH Participation Interest in the following Mortgage-Backed Securities
(18.7667% of the principal payments and the percentage of the interest payments shown
for each MBS in the table below paid to 19EFGH)

Pool Number	Pool Type	Pass-Through		Principal Amount At		Principal Amount
		Interest Rate	Interest Participation	Acquisition		Outstanding
BI6807	GNMA II	4.000 %	69.4608 %	\$	2,181,367	\$ 1,991,520
BI6810	GNMA II	4.500	71.4024		3,661,437	3,470,152
BM1602	GNMA II	4.000	69.4608		622,567	620,022
BM1804	GNMA II	4.000	69.1271		3,915,099	3,898,755
BM1805	GNMA II	4.000	69.3348		4,103,922	4,087,388
Subtotal					49,973,919	48,687,707
MBS Participation Interest (18.7667%)					9,378,456	9,137,076

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019**



2019 EFGH, continued

19EFGH Participation Interest in the following Mortgage-Backed Securities
(49.5838% of the principal payments and 100% of the interest payments paid to 19EFGH)

<u>Pool Number</u>	<u>Pool Type</u>	<u>Pass-Through Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
BP7495	GNMA II	3.500 %	\$ 4,930,513	\$ 4,930,513
Subtotal			4,930,513	4,930,513
MBS Participation Interest (49.5838%)			2,444,736	2,444,736

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2019



2019 EFGH, continued

19EFGH Participation Interest in the following Mortgage-Backed Securities
(72.5% of the principal payments and 100% of the interest payments paid to 19EFGH)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BP7169	GNMA II	3.000 %	\$ 658,663	\$ 658,663
BM2112	GNMA II	4.000	543,398	543,398
BM2405	GNMA II	4.000	7,687,885	7,687,885
Subtotal			<u>8,889,945</u>	<u>8,889,945</u>
MBS Participation Interest (72.5%)			6,445,210	6,445,210
2019 EFGH Total			<u><u>\$ 200,363,323</u></u>	<u><u>\$ 199,732,869</u></u>

**Residential Housing Finance Bond Resolution
Whole Loan Mortgage Insurance
Information as of December 31, 2019**



Series	FHA	VA	Rural Development	MGIC	Genworth	Other Private Mortgage Insurers*	Uninsured	Total
Retired	\$ 1,643,934	\$ 25,061	\$ 342,915	\$ -	\$ -	\$ -	\$ 227,761	\$ 2,239,671
06LMN	43,317	-	-	-	-	-	426,549	469,866
07M	998,194	88,794	1,322,672	1,808,739	1,375,806	777,913	1,608,060	7,980,178
07M-40 Year	-	-	-	2,009,840	349,137	724,211	258,041	3,341,229
12ABCD	13,651,643	502,667	6,486,974	124,115	219,136	119,360	5,776,172	26,880,067
13ABC	4,825,869	234,016	3,366,542	229,357	88,553	230,277	5,087,976	14,062,590
14A	2,665,795	199,162	1,159,468	11,011	45,999	46,290	1,403,987	5,531,712
14B	3,910,929	119,607	1,139,669	112,409	18,643	33,738	1,078,644	6,413,639
14CDE	16,046,229	1,038,706	14,611,252	3,871,724	197,794	1,411,160	28,891,266	66,068,131
15ABCD	4,396,944	194,868	3,809,947	914,615	673,940	556,432	10,916,692	21,463,438
15ABCD-40 Year	-	-	-	123,738	-	885,129	174,444	1,183,311
15EFG	6,989,860	387,274	10,181,666	1,936,063	422,159	1,249,515	18,805,387	39,971,924
15EFG-40 Year	-	-	-	2,511,917	732,734	2,191,857	1,538,947	6,975,455
16ABC	2,049,179	448,521	4,484,193	2,714,907	2,239,214	1,653,827	11,831,141	25,420,982
16ABC-40 Year	-	-	-	5,431,290	1,486,879	2,800,405	1,861,148	11,579,722
16DEF	3,379,896	315,952	2,522,443	2,754,833	2,114,508	1,158,842	2,673,235	14,919,709
16DEF-40 Year	-	-	-	2,993,745	520,055	1,078,744	384,364	4,976,908
17ABC	11,673,137	152,101	5,767,124	2,600,354	768,533	1,332,335	5,670,493	27,964,077
17ABC-40 Year	-	-	-	3,306,363	1,555,869	1,719,037	2,280,594	8,861,863
17DEF	6,724,691	-	3,810,814	-	37,123	304,245	4,086,588	14,963,461
17DEF-40 Year	-	-	-	2,173,861	300,683	999,276	1,330,089	4,803,909
18ABCD	6,226,471	114,191	4,233,405	-	13,057	-	4,447,334	15,034,458
19ABCD	19,589,273	258,490	3,289,451	129,113	25,118	62,164	3,920,703	27,274,312
Total Bond Financed	\$ 104,815,361	\$ 4,079,410	\$ 66,528,535	\$ 35,757,994	\$ 13,184,940	\$ 19,334,757	\$ 114,679,615	\$ 358,380,612
	29.25%	1.14%	18.56%	9.98%	3.67%	5.40%	32.00%	100.00%

Republic 2.751%, United 1.310%, PMI 0.757%, Radian Guarantee Fund 0.294%, Commonwealth 0.194%, Triad 0.090%, Amerin 0.000%

Residential Housing Finance Bond Resolution
Whole Loan Mortgages Delinquency and Foreclosure Statistics
Information as of December 31, 2019



Payments Past Due as a Percentage of the Number of Loans Outstanding

Bond Financed:	Number of Loans	Balance Outstanding	30-59 Days		60-89 Days		90-119 Days		120 Days and Greater and Foreclosures ⁽¹⁾		Total ⁽²⁾
			#	%	#	%	#	%	#	%	%
Retired	48.0	\$2,239,671	10.0	20.83	2.0	4.17	2.0	4.17	5.0	10.42	18.75
06LMN	5.0	469,866	-	-	-	-	-	-	1.0	20.00	20.00
07M	89.7	7,980,178	5.2	5.80	1.6	1.78	-	-	3.8	4.24	6.02
07M-40 Yr	23.4	3,341,229	0.8	3.42	-	-	0.4	1.71	1.2	5.13	6.84
12ABCD	571.0	26,880,067	36.0	6.30	8.0	1.40	1.0	0.18	16.0	2.80	4.38
13ABC	298.5	14,062,590	15.0	5.03	6.0	2.01	3.0	1.01	4.0	1.34	4.36
14A	195.0	5,531,712	1.0	0.51	3.0	1.54	1.0	0.51	-	-	2.05
14B	213.0	6,413,639	10.0	4.69	3.0	1.41	-	-	4.0	1.88	3.29
14CDE	833.5	66,068,131	38.5	4.62	18.0	2.16	4.0	0.48	18.0	2.16	4.80
15ABCD	249.0	21,463,438	10.0	4.02	2.0	0.80	5.0	2.01	9.0	3.61	6.43
15ABCD-40 Year	8.0	1,183,311	-	-	1.0	12.50	-	-	1.0	12.50	25.00
15EFG	513.5	39,971,924	24.5	4.77	9.5	1.85	1.5	0.29	13.5	2.63	4.77
15EFG-40 Year	48.0	6,975,455	2.0	4.17	-	-	2.0	4.17	2.0	4.17	8.33
16ABC	290.5	25,420,982	15.5	5.34	4.5	1.55	4.5	1.55	13.5	4.65	7.75
16ABC-40 Year	83.0	11,579,722	2.0	2.41	-	-	1.0	1.20	4.0	4.82	6.02
16DEF	248.3	14,919,709	12.8	5.16	6.4	2.58	-	-	6.7	2.70	5.28
16DEF-40 Year	34.6	4,976,908	1.2	3.47	-	-	0.6	1.73	1.8	5.20	6.94
17ABC	355.0	27,964,077	30.0	8.45	3.0	0.85	2.0	0.56	13.5	3.80	5.21
17ABC-40 Year	75.0	8,861,863	4.0	5.33	1.0	1.33	2.0	2.67	2.0	2.67	6.67
17DEF	178.0	14,963,461	5.0	2.81	5.0	2.81	2.0	1.12	8.0	4.49	8.43
17DEF-40 Year	39.0	4,803,909	2.0	5.13	1.0	2.56	-	-	-	-	2.56
18ABCD	265.5	15,034,458	11.0	4.14	2.0	0.75	3.0	1.13	5.0	1.88	3.77
19ABCD	512.5	27,274,312	35.5	6.93	13.0	2.54	2.0	0.39	17.0	3.32	6.24
Total Bond Financed	5,177.0	\$ 358,380,612	272.0	5.25	90.0	1.74	37.0	0.71	150.0	2.90	5.35

All Loans are serviced by US Bank Home Mortgage.

If the number of loans allocated to a series of Bonds in the table is expressed in an increment of 0.5, the allocation reflects the fact that proceeds of Bonds of the series were used, with an equal amount of funds from another source (which may be another series of Bonds) to purchase the mortgage loan. In such cases, while principal repayments and prepayments are allocated equally to each funding source, interest payments on the mortgage loan are not allocated pro rata.

(1) Included in "Foreclosures" are loans for which the sheriff's sale has been held and the redemption period (generally six months) has not yet elapsed in addition to those customarily included in delinquency statistics.

(2) 30-59 days not included in total.

See page G-2 for comparative delinquency and foreclosure statistics.

**Residential Housing Finance Bond Resolution
Whole Loan Mortgages Delinquency and Foreclosure Statistics
Information as of December 31, 2019**



continued from page G-1.

Comparative 60+ Day Delinquency Statistics⁽¹⁾	At 9/30/2019	At 12/31/2019
Residential Housing Finance Bond Resolution Loan Portfolio	4.17%	3.85%
Mortgage Bankers Association of America, Minnesota ⁽²⁾	1.03%	not yet available
Mortgage Bankers Association of America, National ⁽²⁾	1.77%	not yet available
Comparative Foreclosure Statistics⁽³⁾	At 9/30/2019	At 12/31/2019
Residential Housing Finance Bond Resolution Loan Portfolio	0.97%	1.20%
Mortgage Bankers Association of America, Minnesota ⁽²⁾	0.41%	not yet available
Mortgage Bankers Association of America, National ⁽²⁾	0.81%	not yet available

(1) This table compares 60+ day delinquency statistics. The delinquency rates do not include those delinquent loans referred to an attorney, where the first legal documents have been filed, or where any further foreclosure proceedings have occurred. Thus, the percentage for the Residential Housing Finance Bond Resolution loan portfolio differs from that in the table on page G-1.

(2) Mortgage Bankers Association of America average of 60+ days delinquency and foreclosure statistics adjusted by the Agency to reflect the proportions of insurance types in the Residential Housing Finance Bond Resolution loan portfolio. The unadjusted 9/30/2019 Mortgage Bankers Association of America average 60+ days delinquency rate is 1.01% Minnesota and 2.08% national. The unadjusted 9/30/2019 Mortgage Bankers Association of America foreclosure rate is 0.26% Minnesota and 0.67% national. None of the delinquency and foreclosure rates presented are seasonally adjusted. Reprinted by permission of the Mortgage Bankers Association. For more information, contact the Mortgage Bankers Association, 1331 L Street NW, Washington D.C. 20005, (202) 557-2700 <http://www.mortgagebankers.org>

(3) This table compares foreclosure statistics, where "foreclosures" include only those loans referred to an attorney and with the first legal documents filed, but not loans for which a foreclosure sale has been held. Thus, the percentage for the Residential Housing Finance Bond Resolution loan portfolio is not directly comparable to the table on page G-1.

Residential Housing Finance Bond Resolution
Whole Loan Mortgages Real Estate Owned Activity on Uninsured Loans
Information as of December 31, 2019



Series	Real Estate Owned*				
	No. of Prop.	Loan Balance	Average Balance	Net Amount Due	Average Net Due
13ABC	2.0	117,900	58,950	17,784	8,892
15ABCD	2.0	246,120	123,060	133,935	66,968
15EFG	1.0	72,418	72,418	(2,871)	(2,871)
17ABC	1.0	98,377	98,377	158	158
19ABCD	1.0	105,046	105,046	117,980	117,980
Total	7.0	\$ 639,861	\$ 91,409	\$ 266,986	\$ 38,141

*MHFA holds title - property is not sold.

**Residential Housing Finance Bond Resolution
Whole Loan Mortgages Insurance Claims Activity
Information as of December 31, 2019**



REO Pending Claims* PMI						
Bond Financed	No. of Prop.	Loan Balance	Average Balance	Net Amount Due	Average Net Due	
06LMN	1.0	\$ 172,402	\$ 172,402	\$ 24,845	\$ 24,845	
07M	1.0	\$ 65,437	\$ 65,437	\$ 39,399	\$ 39,399	
12ABCD	3.0	155,539	51,846	62,312	20,771	
14CDE	6.0	501,009	83,502	300,711	50,119	
15EFG	3.0	233,285	77,762	32,864	10,955	
15EFG-40 Year	1.0	143,017	143,017	161,197	161,197	
16ABC	2.5	210,759	84,304	101,349	40,540	
16ABC-40 Year	1.0	205,562	205,562	215,250	215,250	
16DEF	1.5	97,907	65,271	66,502	44,335	
17ABC	2.0	106,651	53,326	44,013	22,007	
17ABC-40 Year	1.0	124,312	124,312	132,476	132,476	
18ABCD	1.0	50,661	50,661	25,935	25,935	
Total	<u>24.0</u>	<u>\$ 2,066,541</u>	\$ 86,106	<u>\$ 1,206,853</u>	\$ 50,286	

*MHFA has not received all proceeds/cost of sale.

If the number of properties allocated to a series of Bonds in the table is expressed in an increment of 0.5, the allocation reflects the fact that proceeds of Bonds of the series were used, with an equal amount of funds from another source (which may be another series of Bonds) to purchase the mortgage loan that financed the property. In such cases, while principal repayments and prepayments are allocated equally to each funding source, interest payments on the mortgage loan are not allocated pro rata.

Residential Housing Finance Bond Resolution
Whole Loan Mortgages FHA Mortgage Insurance/VA Guaranty Pending Claims
Information as of December 31, 2019



Series	FHA/VA Mortgage Insurance/VA Guaranty Pending Claims *				
	No. of Prop.	Loan Balance	Average Balance	Net Amount Due	Average Net Due
Retired	3.0	\$ 242,863	\$ 80,954	\$ (14,234)	\$ (4,745)
12ABCD	7.0	418,064	59,723	56,420	8,060
14A	1.0	47,891	47,891	52,449	52,449
14CDE	2.0	147,626	73,813	84,115	42,058
15ABCD	3.0	205,942	68,647	170,790	56,930
15EFG	1.0	67,793	67,793	18,447	18,447
16ABC	1.0	98,211	98,211	107,170	107,170
16DEF	1.0	81,268	81,268	277	277
17ABC	3.0	343,461	114,487	87,946	29,315
17DEF	1.0	18,553	18,553	20,215	20,215
19ABCD	1.0	151,082	151,082	24,614	24,614
Total	<u>24.0</u>	<u>\$ 1,822,754</u>	\$ 75,948	<u>\$ 608,209</u>	\$ 25,342

*The Agency has not received all proceeds/cost of sale - property has been sold.

If the number of loans allocated to a series of Bonds in the table is expressed in an increment of 0.5, the allocation reflects the fact that proceeds of Bonds of the series were used, with an equal amount of funds from another source (which may be another series of Bonds) to purchase the mortgage loan. In such cases, while principal repayments and prepayments are allocated equally to each funding source, interest payments on the mortgage loan are not allocated pro rata.

Residential Housing Finance Bond Resolution
Whole Loan Mortgages Real Estate Owned/Completed Insurance Claims Activity
Cumulative Information as of December 31, 2019

Series	Completed Claims (1)				
	No. of Prop.	Loan Balance (2)	Average Balance	Gain (Loss)	Average Gain (Loss)
Bond Financed:					
RHFB Retired	3,480.3	\$ 414,961,288	\$ 119,231	\$(80,496,129)	\$ (23,129)
RHFB 06LMN	55.0	6,338,927	115,253	(1,649,566)	(29,992)
RHFB 07M	100.6	12,627,903	125,526	(3,014,664)	(29,967)
RHFB 07M-40 Year	34.4	5,506,959	160,086	(1,520,980)	(44,215)
RHFB 2012ABCD	115.0	8,070,773	70,181	(1,021,549)	(8,883)
RHFB 2013ABC	47.5	3,431,754	72,247	(418,908)	(8,819)
RHFB 2014A	2.0	129,035	64,518	(84)	(42)
RHFB 2014B	5.0	302,517	60,503	(1,396)	(279)
RHFB 2014CDE	77.0	7,588,296	98,549	(1,017,092)	(13,209)
RHFB 2015ABCD	32.5	3,196,775	98,362	(389,390)	(11,981)
RHFB 2015ABCD-40 YR	2.0	356,538	178,269	(56,669)	(28,335)
RHFB 2015EFG	35.5	3,526,552	99,339	(514,467)	(14,492)
RHFB 2015EFG-40 Year	12.0	1,720,950	143,413	(193,078)	(16,090)
RHFB 2016ABC	31.0	3,468,891	111,900	(268,755)	(8,670)
RHFB 2016ABC-40 Year	8.0	1,177,321	147,165	(117,387)	(14,673)
RHFB 2016DEF	10.8	770,899	71,380	(74,603)	(6,908)
RHFB 2016DEF-40 Year	2.4	349,835	145,765	(46,028)	(19,178)
RHFB 2017ABC	10.0	864,134	86,413	(92,641)	(9,264)
RHFB 2017ABC-40 Year	2.0	207,407	103,704	(9,410)	(4,705)
RHFB 2017DEF	6.0	635,815	105,969	(42,246)	(7,041)
RHFB 2018ABCD	1.0	47,355	47,355	(1,765)	(1,765)
RHFB 2019ABCD	1.0	60,461	60,461	(708)	(708)
Total	4,071.0	\$ 475,340,385	\$ 116,763	\$(90,947,515)	\$ (22,340)

(1) The Agency has received all proceeds - loans written off.

(2) Real Estate Owned is carried at the unpaid principal and interest amount as of the date title is transferred to the Agency plus improvements and maintenance costs less any insurance or sale proceeds received. The carrying value is reduced by any expected loss on disposition of the property. The Agency stops accruing interest on loans as of the date title to the underlying property is transferred to the Agency, because it is impossible to accurately predict the date of receipt and amount of final insurance proceeds. In some instances, a portion or all of the unrecorded interest income is paid by the insurer. An accounting gain for an individual loan results when the interest paid by the insurer exceeds the unreimbursed expenses of foreclosure.

If the number of properties allocated to a series of Bonds in the table is expressed in an increment of 0.5, the allocation reflects the fact that proceeds of Bonds of the series were used, with an equal amount of funds from another source (which may be another series of Bonds) to purchase the mortgage loan that financed the property. In such cases, while principal repayments and prepayments are allocated equally to each funding source, interest payments on the mortgage loan are not allocated pro rata.

**Residential Housing Finance Bond Resolution
Whole Loan Mortgages Prepayment Report
Information as of December 31, 2019**



Bond Financed	Weighted Average Interest Rate Based on Total Loans Purchased		Total Loan Purchases		Prepayments/REO 12 Months Ended 12/31/2019		Curtailments 12 Months Ended 12/31/2019	Prepayments/ REO Total # to Date	Curtailments and Prepayments/ REO Total To Date
			# of Loans	Amount	# of Loans	Amount			
RHFB Retired	5.88	%	14,004.7	\$ 1,533,438,525	22.5	\$ 1,266,136	\$ 40,824	13,953.0	\$ 1,234,479,241
RHFB 06LMN	5.77		157.0	20,334,227	1.0	179,240	0	151.0	14,976,527
RHFB 2007M	5.96		435.3	51,601,162	14.2	1,390,150	30,371	344.6	39,995,380
RHFB 2007M-40 Yr	6.09		87.6	13,786,495	4.0	486,765	6,607	64.4	8,470,982
RHFB 2012ABCD	6.10		1,411.0	96,047,766	63.0	2,882,605	259,082	837.5	53,552,604
RHFB 2013ABC	5.96		641.0	42,482,583	34.5	1,701,766	97,902	340.5	20,753,905
RHFB 2014A	6.13		381.0	15,938,679	27.0	622,564	73,343	185.0	6,771,170
RHFB 2014B	6.13		419.0	15,978,942	22.0	424,709	48,782	206.0	5,224,172
RHFB 2014CDE	5.15		1,554.0	147,424,535	98.5	7,631,700	310,178	712.5	64,501,808
RHFB 2015ABCD	5.56		538.0	52,474,015	43.0	3,421,884	122,477	284.0	26,127,681
RHFB 2015ABCD-40 Yr	5.56		20.0	3,064,439	2.0	297,028	18	12.0	1,785,184
RHFB 2015EFG	5.68		886.0	80,106,833	68.5	5,466,478	230,465	367.5	32,497,914
RHFB 2015EFG-40yr	5.47		105.0	15,680,365	8.0	946,567	11,739	56.0	7,926,164
RHFB 2016ABC	5.93		567.0	59,751,015	48.5	5,054,181	129,702	273.0	30,083,772
RHFB 2016ABC-40 Yr	5.93		151.0	22,027,528	14.0	1,735,896	55,772	67.0	9,381,379
RHFB 2016DEF	5.68		392.3	27,242,103	37.3	2,417,827	80,674	141.5	9,821,316
RHFB 2016DEF-40 Yr	5.38		55.6	8,084,772	6.0	720,686	9,071	21.0	2,816,327
RHFB 2017ABC	5.82		518.0	45,579,077	52.5	4,510,935	205,365	157.5	14,658,758
RHFB 2017ABC-40 Yr	5.79		102.0	12,928,653	7.0	764,547	26,634	26.0	3,567,436
RHFB 2017DEF	5.73		226.0	20,736,955	12.0	919,154	62,462	47.0	4,773,798
RHFB 2017DEF-40 Yr	5.54		48.0	5,841,813	3.0	272,015	-	9.0	864,610
RHFB 2018ABCD	5.17		307.5	19,253,174	23.0	1,365,119	290,795	41.0	2,876,904
RHFB 2019ABCD	5.85		556.0	31,227,433	41.5	2,694,488	120,778	41.5	2,815,266
Total Bond Financed	5.82	%	23,563.0	\$ 2,341,031,089	653.0	\$ 47,172,440	\$ 2,213,041	18,338.5	\$ 1,598,722,298

If the number of properties allocated to a series of Bonds in the table is expressed in an increment of 0.5, the allocation reflects the fact that proceeds of Bonds of the series were used, with an equal amount of funds from another source (which may be another series of Bonds) to purchase the mortgage loan that financed the property. In such cases, while principal repayments and prepayments are allocated equally to each funding source, interest payments on the mortgage loan are not allocated pro rata.

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Prepayment Report
Information as of December 31, 2019**



Series	Weighted Average Pass- Through Rate (Based on Total Pools Purchased)	Total MBS Purchased*	Prepayments 12 Months Ended 12/31/2019	Curtailements 12 Months Ended 12/31/2019	Prepayments to Date	Curtailements to Date	Total Curtailements and Prepayments to Date
12ABCD	3.516%	\$ 60,697,067	\$ 3,045,065	\$ 85,982	\$ 30,275,684	\$ 716,459	\$ 30,992,143
13ABC	2.633%	42,301,165	2,575,233	82,479	18,406,224	408,388	18,814,612
14A	3.207%	50,003,520	3,877,833	190,057	20,729,288	556,063	21,285,351
14B	3.335%	50,015,523	3,739,213	44,609	22,986,222	308,676	23,294,898
14CDE	3.514%	78,421,289	7,837,889	70,031	33,841,376	388,274	34,229,650
15ABCD	3.271%	64,030,055	7,300,914	52,097	23,382,664	206,010	23,588,674
15EFG	3.537%	74,399,612	8,182,039	57,936	22,837,964	223,024	23,060,988
16ABC	3.423%	74,982,792	6,618,117	50,725	16,020,836	188,233	16,209,069
16DEF	3.083%	100,005,295	8,219,041	115,570	16,605,294	372,910	16,978,204
17ABC	3.721%	60,900,313	5,000,542	71,604	7,771,909	198,509	7,970,418
17DEF	3.559%	120,065,774	9,185,455	107,606	11,980,687	249,909	12,230,596
18ABCD	4.070%	125,038,008	10,361,330	114,446	11,721,496	172,807	11,894,303
18EFGH	4.361%	150,754,397	7,455,372	144,446	7,455,372	144,446	7,599,818
19ABCD	4.521%	159,203,906	5,132,127	90,691	5,132,127	90,691	5,222,818
19EFGH	3.517%	200,401,109	204,986	24,154	204,986	24,154	229,140
Total		\$ 1,411,219,825	\$ 88,735,156	\$ 1,302,433	\$ 249,352,129	\$ 4,248,554	\$ 253,600,683

*Total MBS Purchased in this Schedule M does not equal the aggregate Principal Amount at Acquisition in Schedule E. The Total MBS Purchased includes the outstanding principal amount of mortgage-backed securities when originally acquired by the Agency with proceeds of bonds, but before the subsequent granting of participation interests in certain mortgage-backed securities as described in Schedule E. Some principal of the mortgage-backed securities subject to subsequently formed participation interests was paid prior to the establishment of the participation interests and that amount represents the difference between Total MBS Purchased in this Schedule M and the aggregate of Principal Amount at Acquisition in Schedule E. In addition, the aggregate Principal Amount at Acquisition in Schedule E does not include the principal of mortgage-backed securities that had no principal amount outstanding when the bonds issued to acquire those mortgage-backed securities were retired.

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2019**



Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2006 N	1/1/2008	\$ -	\$ 315,000	\$ 10,000	\$ -	\$ 325,000	2013, 2016 & 2037
	7/1/2008	-	90,000	25,000	-	115,000	2011, 2014, 2016 & 2037
	1/1/2009	-	165,000	5,000	-	170,000	2016 & 2037
	7/1/2009	-	150,000	15,000	-	165,000	2012, 2014, 2016 & 2037
	1/1/2010	-	1,765,000	15,000	-	1,780,000	2037
	7/1/2010	-	785,000	35,000	-	820,000	2037
	1/1/2011	-	1,780,000	55,000	-	1,835,000	2037
	7/1/2011	-	1,740,000	80,000	-	1,820,000	2037
	1/1/2012	-	1,175,000	10,000	-	1,185,000	2037
	7/1/2012	-	960,000	50,000	-	1,010,000	2013-2016 & 2037
	1/1/2013	-	868,745	26,255	-	895,000	2015-2016 & 2037
	7/1/2013	-	788,696	21,304	-	810,000	2014-2016 & 2037
	1/1/2014	-	624,225	135,775	-	760,000	2036
	7/1/2014	-	709,729	45,271	-	755,000	2037
	8/1/2014	-	20,000	-	-	20,000	2015-2016
	12/1/2014	-	4,889	111	-	5,000	2015
	1/1/2015	-	460,773	14,227	-	475,000	2015-2016 & 2037
	5/1/2015	-	9,481	519	-	10,000	2015-2016
	6/1/2015	-	4,801	199	-	5,000	2016
	7/1/2015	-	375,122	24,878	-	400,000	2016 & 2037
9/1/2015	-	4,874	126	-	5,000	2016	
11/1/2015	-	4,850	150	-	5,000	2016	
1/1/2016	-	295,850	9,150	-	305,000	2037	
1/7/2016	-	-	-	-	310,000	310,000	2016
7/1/2016	-	-	257,050	7,950	-	265,000	2037
1/1/2017	-	-	198,250	6,750	-	205,000	2037
7/1/2017	-	-	174,150	5,850	-	180,000	2037
1/1/2018	-	-	154,900	5,100	-	160,000	2037
7/1/2018	-	-	130,650	4,350	-	135,000	2037
1/1/2019	-	-	116,100	3,900	-	120,000	2037
7/1/2019	-	-	101,700	3,300	-	105,000	2037
Total 2006 N		-	14,229,835	615,165	310,000	15,155,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2019



Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2007 M*	1/1/2008	\$ -	\$ 35,000	\$ -	\$ -	\$ 35,000	2038
	7/1/2008	-	405,000	-	-	405,000	2038
	1/1/2009	-	630,000	-	-	630,000	2038
	7/1/2009	-	1,285,000	-	-	1,285,000	2038
	1/1/2010	-	1,695,000	-	-	1,695,000	2038
	7/1/2010	-	2,080,000	-	-	2,080,000	2038
	1/1/2011	-	2,735,000	-	-	2,735,000	2038
	7/1/2011	-	3,705,000	-	-	3,705,000	2038
	1/1/2012	-	2,515,000	-	-	2,515,000	2038
	7/1/2012	-	3,680,000	-	-	3,680,000	2038
	1/1/2013	-	3,330,000	-	-	3,330,000	2038
	7/1/2013	-	3,765,000	-	-	3,765,000	2038
	1/1/2014	-	3,565,000	-	-	3,565,000	2038
	7/1/2014	-	2,705,000	-	-	2,705,000	2038
	1/1/2015	-	1,987,446	-	1,132,554	3,120,000	2038
	7/1/2015	-	1,673,605	-	706,395	2,380,000	2038
	1/1/2016	-	1,567,886	-	752,114	2,320,000	2038
	7/1/2016	-	2,570,000	-	-	2,570,000	2038
	1/1/2017	-	2,550,847	-	514,153	3,065,000	2038
	7/1/2017	-	2,206,750	-	68,250	2,275,000	2038
	1/1/2018	-	2,279,500	-	70,500	2,350,000	2038
	7/1/2018	-	1,527,750	-	47,250	1,575,000	2038
	1/1/2019	-	1,391,950	-	43,050	1,435,000	2038
7/1/2019	-	931,200	-	28,800	960,000	2038	
Total 2007 M		-	50,816,934	257,850	3,105,216	54,180,000	

* Prepayments for 2007M include repayments.

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2019



Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2012 A	9/1/2012	\$ -	\$ 255,000	\$ 10,000	\$ -	\$ 265,000	2013-2023
	10/1/2012	-	620,000	20,000	-	640,000	2013-2023
	11/1/2012	-	1,000,000	30,000	-	1,030,000	2013-2023
	12/1/2012	-	411,930	13,070	-	425,000	2013-2023
	1/1/2013	-	1,734,330	55,670	-	1,790,000	2013-2023
	5/1/2013	-	941,792	28,208	-	970,000	2014-2023
	6/1/2013	-	301,010	8,990	-	310,000	2014-2023
	7/1/2013	-	1,216,241	33,759	-	1,250,000	2014-2023
	10/1/2013	-	553,437	16,563	-	570,000	2014-2023
	11/1/2013	-	519,248	15,752	-	535,000	2014-2023
	12/1/2013	-	504,865	15,135	-	520,000	2014-2023
	1/1/2014	-	273,379	6,621	-	280,000	2014-2023
	4/1/2014	-	43,789	1,211	-	45,000	2019-2023
	5/1/2014	-	238,142	6,858	-	245,000	2014-2023
	6/1/2014	-	562,934	17,066	-	580,000	2014-2023
	7/1/2014	-	206,516	18,484	-	225,000	2015-2023
	10/1/2014	-	92,393	2,607	-	95,000	2015-2023
	11/1/2014	-	291,000	9,000	-	300,000	2015-2023
	12/1/2014	-	829,195	25,805	-	855,000	2015-2023
	1/1/2015	-	178,666	16,334	-	195,000	2015-2023
	5/1/2015	-	252,103	7,897	-	260,000	2015-2023
	6/1/2015	-	402,684	12,316	-	415,000	2015-2023
	7/1/2015	-	316,690	23,310	-	340,000	2016-2023
	11/1/2015	-	106,700	3,300	-	110,000	2016-2023
	12/1/2015	-	591,700	18,300	-	610,000	2016-2023
	1/1/2016	-	485,195	29,805	-	515,000	2016-2023
	5/1/2016	-	121,250	3,750	-	125,000	2016-2023
	6/1/2016	-	198,850	6,150	-	205,000	2016-2023
	7/1/2016	-	818,609	41,391	-	860,000	2017-2023
	10/1/2016	-	213,400	6,600	-	220,000	2017-2023
	11/1/2016	-	465,600	14,400	-	480,000	2017-2023
	12/1/2016	-	431,650	13,350	-	445,000	2017-2023
	1/1/2017	-	535,183	29,817	-	565,000	2017-2023
	5/1/2017	-	266,750	8,250	-	275,000	2017-2023
	6/1/2017	-	266,750	8,250	-	275,000	2017-2023
	7/1/2017	-	256,803	18,197	-	275,000	2018-2023
	10/1/2017	-	19,400	600	-	20,000	2021-2022
	11/1/2017	-	480,150	14,850	-	495,000	2018-2023
	12/1/2017	-	324,950	10,050	-	335,000	2018-2023
	1/1/2018	-	257,457	17,543	-	275,000	2018-2023
5/1/2018	-	257,050	7,950	-	265,000	2018-2023	
6/1/2018	-	106,700	3,300	-	110,000	2018-2023	
7/1/2018	-	229,101	15,899	-	245,000	2019-2023	

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2019**



Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
	10/1/2018	-	58,200	1,800	-	60,000	2019-2023
	11/1/2018	-	130,950	4,050	-	135,000	2019-2023
	12/1/2018	-	189,150	5,850	-	195,000	2019-2023
	1/1/2019	-	664,202	30,798	-	695,000	2019-2023
	7/1/2019	-	110,676	9,324	-	120,000	2020-2023
	11/1/2019	-	29,100	900	-	30,000	2020-2022
	12/1/2019	-	271,600	8,400	-	280,000	2020-2023
Total 2012 A		-	19,632,470	727,530	-	20,360,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2019



Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2012 B	9/1/2012	\$ -	\$ 45,000	\$ -	\$ -	\$ 45,000	2024
	10/1/2012	-	105,000	5,000	-	110,000	2024
	11/1/2012	-	180,000	-	-	180,000	2024
	12/1/2012	-	73,000	2,000	-	75,000	2023-2024
	1/1/2013	-	305,731	9,269	-	315,000	2023-2024
	5/1/2013	-	165,058	4,942	-	170,000	2023-2024
	6/1/2013	-	53,412	1,588	-	55,000	2023-2024
	7/1/2013	-	225,800	4,200	-	230,000	2023-2024
	10/1/2013	-	101,953	3,047	-	105,000	2023-2024
	11/1/2013	-	96,866	3,134	-	100,000	2023-2024
	12/1/2013	-	92,234	2,766	-	95,000	2023-2024
	1/1/2014	-	50,000	-	-	50,000	2023-2024
	4/1/2014	-	9,697	303	-	10,000	2023-2024
	5/1/2014	-	43,924	1,076	-	45,000	2023-2024
	6/1/2014	-	106,007	3,993	-	110,000	2023-2024
	7/1/2014	-	40,931	4,069	-	45,000	2023-2024
	10/1/2014	-	19,641	359	-	20,000	2023-2024
	11/1/2014	-	58,200	1,800	-	60,000	2023-2024
	12/1/2014	-	168,732	6,268	-	175,000	2023-2024
	1/1/2015	-	36,617	3,383	-	40,000	2023-2024
	5/1/2015	-	53,544	1,456	-	55,000	2023-2024
	6/1/2015	-	88,173	1,827	-	90,000	2023-2024
	7/1/2015	-	69,952	5,048	-	75,000	2023-2024
	11/1/2015	-	24,250	750	-	25,000	2023-2024
	12/1/2015	-	130,950	4,050	-	135,000	2023-2024
	1/1/2016	-	117,766	7,234	-	125,000	2023-2024
	5/1/2016	-	29,100	900	-	30,000	2023-2024
	6/1/2016	-	48,500	1,500	-	50,000	2023-2024
	7/1/2016	-	209,412	10,588	-	220,000	2023-2024
	10/1/2016	-	53,350	1,650	-	55,000	2023-2024
	11/1/2016	-	121,250	3,750	-	125,000	2023-2024
	12/1/2016	-	111,550	3,450	-	115,000	2023-2024
1/1/2017	-	146,820	8,180	-	155,000	2023-2024	
5/1/2017	-	72,750	2,250	-	75,000	2023-2024	
6/1/2017	-	72,750	2,250	-	75,000	2023-2024	
7/1/2017	-	74,706	5,294	-	80,000	2023-2024	
10/1/2017	-	4,850	150	-	5,000	2024	
11/1/2017	-	145,500	4,500	-	150,000	2023-2024	
12/1/2017	-	97,000	3,000	-	100,000	2023-2024	
1/1/2018	-	84,258	5,742	-	90,000	2023-2024	
5/1/2018	-	87,300	2,700	-	90,000	2023-2024	
6/1/2018	-	33,950	1,050	-	35,000	2023-2024	
7/1/2018	-	84,159	5,841	-	90,000	2023-2024	
10/1/2018	-	24,250	750	-	25,000	2023-2024	
11/1/2018	-	48,500	1,500	-	50,000	2023-2024	

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2019**



Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
	12/1/2018	-	67,900	2,100	-	70,000	2023-2024
	1/1/2019	-	267,592	12,408	-	280,000	2023-2024
	7/1/2019	-	50,726	4,274	-	55,000	2023-2024
	11/1/2019	-	14,550	450	-	15,000	2023-2024
	12/1/2019	-	121,250	3,750	-	125,000	2023-2024
Total 2012 B		-	4,534,411	165,589	-	4,700,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2012 C	9/1/2012	\$ -	\$ 160,000	\$ 5,000	\$ -	\$ 165,000	2025 & 2029
	10/1/2012	-	380,000	10,000	-	390,000	2025 & 2029
	11/1/2012	-	605,000	20,000	-	625,000	2025 & 2029
	12/1/2012	-	252,893	7,107	-	260,000	2025 & 2029
	1/1/2013	-	1,072,839	32,161	-	1,105,000	2025 & 2029
	5/1/2013	-	577,700	17,300	-	595,000	2025 & 2029
	6/1/2013	-	184,491	5,509	-	190,000	2025 & 2029
	7/1/2013	-	790,300	19,700	-	810,000	2025 & 2029
	10/1/2013	-	354,388	10,612	-	365,000	2025 & 2029
	11/1/2013	-	330,021	9,979	-	340,000	2025 & 2029
	12/1/2013	-	325,249	9,751	-	335,000	2025 & 2029
	1/1/2014	-	170,028	4,972	-	175,000	2025 & 2029
	4/1/2014	-	29,192	808	-	30,000	2025 & 2029
	5/1/2014	-	160,349	4,651	-	165,000	2025 & 2029
	6/1/2014	-	380,163	9,837	-	390,000	2025 & 2029
	7/1/2014	-	146,980	13,020	-	160,000	2025 & 2029
	10/1/2014	-	67,658	2,342	-	70,000	2025 & 2029
	11/1/2014	-	203,700	6,300	-	210,000	2025 & 2029
	12/1/2014	-	585,739	19,261	-	605,000	2025 & 2029
	1/1/2015	-	132,872	12,128	-	145,000	2025 & 2029
	5/1/2015	-	184,058	5,942	-	190,000	2025 & 2029
	6/1/2015	-	295,380	9,620	-	305,000	2025 & 2029
	7/1/2015	-	246,739	18,261	-	265,000	2025 & 2029
	11/1/2015	-	87,300	2,700	-	90,000	2025 & 2029
	12/1/2015	-	470,450	14,550	-	485,000	2025 & 2029
	1/1/2016	-	409,825	25,175	-	435,000	2025 & 2029
	5/1/2016	-	101,850	3,150	-	105,000	2025 & 2029
	6/1/2016	-	164,900	5,100	-	170,000	2025 & 2029
	7/1/2016	-	737,700	37,300	-	775,000	2025 & 2029
	10/1/2016	-	194,000	6,000	-	200,000	2025 & 2029
	11/1/2016	-	421,950	13,050	-	435,000	2025 & 2029
	12/1/2016	-	388,000	12,000	-	400,000	2025 & 2029
	1/1/2017	-	520,974	29,026	-	550,000	2025 & 2029
	5/1/2017	-	257,050	7,950	-	265,000	2025 & 2029
	6/1/2017	-	257,050	7,950	-	265,000	2025 & 2029
	7/1/2017	-	266,142	18,858	-	285,000	2025 & 2029
10/1/2017	-	19,400	600	-	20,000	2025 & 2029	
11/1/2017	-	504,400	15,600	-	520,000	2025 & 2029	
12/1/2017	-	339,500	10,500	-	350,000	2025 & 2029	
1/1/2018	-	294,905	20,095	-	315,000	2025 & 2029	
5/1/2018	-	295,850	9,150	-	305,000	2025 & 2029	
6/1/2018	-	126,100	3,900	-	130,000	2025 & 2029	
7/1/2018	-	285,207	19,793	-	305,000	2025 & 2029	
10/1/2018	-	77,600	2,400	-	80,000	2025 & 2029	
11/1/2018	-	164,900	5,100	-	170,000	2025 & 2029	

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
	12/1/2018	-	242,500	7,500	-	250,000	2025 & 2029
	1/1/2019	-	936,573	43,427	-	980,000	2025 & 2029
	6/1/2019	-	4,850	150	-	5,000	2029
	7/1/2019	-	175,237	14,763	-	190,000	2025 & 2029
	11/1/2019	-	43,650	1,350	-	45,000	2025 & 2029
	12/1/2019	-	436,500	13,500	-	450,000	2025 & 2029
Total 2012 C		-	15,860,102	604,898	-	16,465,000	

Residential Housing Finance Bond Resolution
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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2012 D	9/1/2012	\$ -	\$ 85,000	\$ -	\$ -	\$ 85,000	2030
	10/1/2012	-	200,000	5,000	-	205,000	2030
	11/1/2012	-	325,000	10,000	-	335,000	2030
	12/1/2012	-	131,226	3,774	-	135,000	2030
	1/1/2013	-	2,445,851	84,149	-	2,530,000	2030 & 2040
	5/1/2013	-	305,837	9,163	-	315,000	2030
	6/1/2013	-	101,959	3,041	-	105,000	2030
	7/1/2013	-	2,899,477	80,523	-	2,980,000	2030 & 2040
	10/1/2013	-	189,371	5,629	-	195,000	2030
	11/1/2013	-	180,216	4,784	-	185,000	2030
	12/1/2013	-	174,764	5,236	-	180,000	2030
	1/1/2014	-	2,840,481	59,519	-	2,900,000	2030 & 2040
	4/1/2014	-	19,393	607	-	20,000	2030
	5/1/2014	-	86,790	3,210	-	90,000	2030
	6/1/2014	-	2,606,311	78,689	-	2,685,000	2030 & 2040
	7/1/2014	-	535,823	49,177	-	585,000	2030 & 2040
	8/1/2014	-	504,400	15,600	-	520,000	2040
	9/1/2014	-	504,400	15,600	-	520,000	2040
	10/1/2014	-	547,808	17,192	-	565,000	2030 & 2040
	11/1/2014	-	611,100	18,900	-	630,000	2030 & 2040
	12/1/2014	-	826,784	23,216	-	850,000	2030 & 2040
	1/1/2015	-	554,345	50,655	-	605,000	2030 & 2040
	2/1/2015	-	523,800	16,200	-	540,000	2040
	3/1/2015	-	523,800	16,200	-	540,000	2040
	4/1/2015	-	528,650	16,350	-	545,000	2040
	5/1/2015	-	625,795	19,205	-	645,000	2040
	6/1/2015	-	683,313	21,687	-	705,000	2030 & 2040
	7/1/2015	-	638,469	46,531	-	685,000	2030 & 2040
	8/1/2015	-	261,900	8,100	-	270,000	2040
	9/1/2015	-	761,450	23,550	-	785,000	2040
	11/1/2015	-	1,071,850	33,150	-	1,105,000	2030 & 2040
	12/1/2015	-	761,450	23,550	-	785,000	2030 & 2040
	1/1/2016	-	716,015	43,985	-	760,000	2030 & 2040
	2/1/2016	-	494,700	15,300	-	510,000	2040
	3/1/2016	-	494,700	15,300	-	510,000	2040
	4/1/2016	-	494,700	15,300	-	510,000	2040
	5/1/2016	-	548,050	16,950	-	565,000	2030 & 2040
	6/1/2016	-	582,000	18,000	-	600,000	2030 & 2040
	7/1/2016	-	880,480	44,520	-	925,000	2030 & 2040
	8/1/2016	-	475,300	14,700	-	490,000	2040
9/1/2016	-	475,300	14,700	-	490,000	2040	
10/1/2016	-	582,000	18,000	-	600,000	2030 & 2040	
11/1/2016	-	698,400	21,600	-	720,000	2030 & 2040	
12/1/2016	-	679,000	21,000	-	700,000	2030 & 2040	
1/1/2017	-	743,573	41,427	-	785,000	2030 & 2040	

**Residential Housing Finance Bond Resolution
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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
	2/1/2017	-	426,800	13,200	-	440,000	2040
	3/1/2017	-	431,650	13,350	-	445,000	2040
	4/1/2017	-	431,650	13,350	-	445,000	2040
	5/1/2017	-	567,450	17,550	-	585,000	2030 & 2040
	6/1/2017	-	567,450	17,550	-	585,000	2030 & 2040
	7/1/2017	-	560,298	39,702	-	600,000	2030 & 2040
	8/1/2017	-	397,700	12,300	-	410,000	2040
	9/1/2017	-	402,550	12,450	-	415,000	2040
	10/1/2017	-	412,250	12,750	-	425,000	2030 & 2040
	11/1/2017	-	669,300	20,700	-	690,000	2030 & 2040
	12/1/2017	-	577,150	17,850	-	595,000	2030 & 2040
	1/1/2018	-	547,680	37,320	-	585,000	2030 & 2040
	2/1/2018	-	373,450	11,550	-	385,000	2040
	3/1/2018	-	378,300	11,700	-	390,000	2040
	4/1/2018	-	373,450	11,550	-	385,000	2040
	5/1/2018	-	533,500	16,500	-	550,000	2040
	6/1/2018	-	436,500	13,500	-	450,000	2030 & 2040
	7/1/2018	-	518,983	36,017	-	555,000	2030 & 2040
	8/1/2018	-	349,200	10,800	-	360,000	2040
	9/1/2018	-	349,200	10,800	-	360,000	2040
	10/1/2018	-	392,850	12,150	-	405,000	2030 & 2040
	11/1/2018	-	436,500	13,500	-	450,000	2030 & 2040
	12/1/2018	-	480,150	14,850	-	495,000	2030 & 2040
	1/1/2019	-	845,783	39,217	-	885,000	2030 & 2040
	2/1/2019	-	324,950	10,050	-	335,000	2040
	3/1/2019	-	329,800	10,200	-	340,000	2040
	4/1/2019	-	324,950	10,050	-	335,000	2040
	5/1/2019	-	329,800	10,200	-	340,000	2040
	6/1/2019	-	324,950	10,050	-	335,000	2040
	7/1/2019	-	405,811	34,189	-	440,000	2040
	8/1/2019	-	300,700	9,300	-	310,000	2040
	9/1/2019	-	305,550	9,450	-	315,000	2040
	10/1/2019	-	305,550	9,450	-	315,000	2040
	11/1/2019	-	324,950	10,050	-	335,000	2040
	12/1/2019	-	538,350	16,650	-	555,000	2040
Total 2012 D		-	46,196,186	1,638,814	-	47,835,000	

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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2013 A	12/1/2013	\$ -	\$ 33,994	\$ 1,006	\$ -	\$ 35,000	2014-2016
	1/1/2014	-	1,294,914	40,086	-	1,335,000	2014-2016 & 2031
	6/1/2014	-	1,398,452	41,548	-	1,440,000	2014-2016 & 2031
	7/1/2014	-	299,101	25,899	-	325,000	2015-2016 & 2031
	8/1/2014	-	218,250	6,750	-	225,000	2031
	9/1/2014	-	164,900	5,100	-	170,000	2031
	10/1/2014	-	509,250	15,750	-	525,000	2031
	11/1/2014	-	295,850	9,150	-	305,000	2031
	12/1/2014	-	315,129	9,871	-	325,000	2015-2016 & 2031
	1/1/2015	-	347,234	22,766	-	370,000	2015-2016 & 2031
	2/1/2015	-	320,100	9,900	-	330,000	2031
	3/1/2015	-	320,100	9,900	-	330,000	2031
	4/1/2015	-	324,950	10,050	-	335,000	2031
	5/1/2015	-	320,100	9,900	-	330,000	2031
	6/1/2015	-	324,829	10,171	-	335,000	2016 & 2031
	7/1/2015	-	346,937	23,063	-	370,000	2016 & 2031
	8/1/2015	-	334,650	10,350	-	345,000	2031
	9/1/2015	-	339,500	10,500	-	350,000	2031
	11/1/2015	-	679,000	21,000	-	700,000	2031
	12/1/2015	-	368,600	11,400	-	380,000	2016 & 2031
	1/1/2016	-	309,633	40,367	-	350,000	2031
	2/1/2016	-	339,500	10,500	-	350,000	2031
	3/1/2016	-	339,500	10,500	-	350,000	2031
	4/1/2016	-	344,350	10,650	-	355,000	2031
	5/1/2016	-	169,750	5,250	-	175,000	2031
	6/1/2016	-	509,250	15,750	-	525,000	2031
	7/1/2016	-	337,697	17,303	-	355,000	2031
	8/1/2016	-	324,950	10,050	-	335,000	2031
	9/1/2016	-	324,950	10,050	-	335,000	2031
	10/1/2016	-	324,950	10,050	-	335,000	2031
	11/1/2016	-	324,950	10,050	-	335,000	2031
	12/1/2016	-	324,950	10,050	-	335,000	2031
	1/1/2017	-	313,585	26,415	-	340,000	2031
	2/1/2017	-	310,400	9,600	-	320,000	2031
	3/1/2017	-	310,400	9,600	-	320,000	2031
	4/1/2017	-	310,400	9,600	-	320,000	2031
	5/1/2017	-	310,400	9,600	-	320,000	2031
	6/1/2017	-	310,400	9,600	-	320,000	2031
	7/1/2017	-	282,857	37,143	-	320,000	2031
	8/1/2017	-	208,550	6,450	-	215,000	2031
9/1/2017	-	208,550	6,450	-	215,000	2031	
10/1/2017	-	344,350	10,650	-	355,000	2031	
11/1/2017	-	257,050	7,950	-	265,000	2031	
12/1/2017	-	252,200	7,800	-	260,000	2031	

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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
	1/1/2018	-	247,113	17,887	-	265,000	2031
	2/1/2018	-	227,950	7,050	-	235,000	2031
	3/1/2018	-	232,800	7,200	-	240,000	2031
	4/1/2018	-	232,800	7,200	-	240,000	2031
	5/1/2018	-	227,950	7,050	-	235,000	2031
	6/1/2018	-	232,800	7,200	-	240,000	2031
	7/1/2018	-	210,519	29,481	-	240,000	2031
	8/1/2018	-	189,150	5,850	-	195,000	2031
	9/1/2018	-	232,800	7,200	-	240,000	2031
	10/1/2018	-	208,550	6,450	-	215,000	2031
	11/1/2018	-	213,400	6,600	-	220,000	2031
	12/1/2018	-	208,550	6,450	-	215,000	2031
	1/1/2019	-	209,375	10,625	-	220,000	2031
	2/1/2019	-	189,150	5,850	-	195,000	2031
	3/1/2019	-	189,150	5,850	-	195,000	2031
	4/1/2019	-	194,000	6,000	-	200,000	2031
	5/1/2019	-	189,150	5,850	-	195,000	2031
	6/1/2019	-	189,150	5,850	-	195,000	2031
	7/1/2019	-	182,054	17,946	-	200,000	2031
	8/1/2019	-	169,750	5,250	-	175,000	2031
	9/1/2019	-	169,750	5,250	-	175,000	2031
	10/1/2019	-	174,600	5,400	-	180,000	2031
	11/1/2019	-	169,750	5,250	-	175,000	2031
	12/1/2019	-	169,750	5,250	-	175,000	2031
Total 2013 A		-	20,809,423	815,577	-	21,625,000	

Residential Housing Finance Bond Resolution
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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2013 C	12/1/2013	\$ -	\$ 199,105	\$ 5,895	\$ -	\$ 205,000	2020-2023, 2033, 2038 & 2043
	1/1/2014	-	542,649	17,351	-	560,000	2019-2023, 2033, 2038 & 2043
	6/1/2014	-	417,818	12,182	-	430,000	2019-2023, 2033, 2038 & 2043
	7/1/2014	-	358,330	31,670	-	390,000	2019-2023, 2033, 2038 & 2043
	12/1/2014	-	189,077	5,923	-	195,000	2020-2023, 2033, 2038 & 2043
	1/1/2015	-	699,151	45,849	-	745,000	2019-2023, 2033, 2038 & 2043
	6/1/2015	-	29,100	900	-	30,000	2023, 2033, 2038 & 2043
	7/1/2015	-	651,370	43,630	-	695,000	2019-2023, 2033, 2038 & 2043
	11/1/2015	-	14,550	450	-	15,000	2023, 2038 & 2043
	12/1/2015	-	654,750	20,250	-	675,000	2019-2023, 2033, 2038 & 2043
	1/1/2016	-	70,773	9,227	-	80,000	2021-2023, 2033, 2038 & 2043
	6/1/2016	-	29,100	900	-	30,000	2023, 2033, 2038 & 2043
	7/1/2016	-	1,350,788	69,212	-	1,420,000	2019-2023, 2033, 2038 & 2043
	9/1/2016	-	106,700	3,300	-	110,000	2020-2023, 2033, 2038 & 2043
	10/1/2016	-	24,250	750	-	25,000	2023, 2033, 2038 & 2043
	11/1/2016	-	368,600	11,400	-	380,000	2020-2023, 2033, 2038 & 2043
	12/1/2016	-	625,650	19,350	-	645,000	2019-2023, 2033, 2038 & 2043
	1/1/2017	-	345,865	29,135	-	375,000	2020-2023, 2033, 2038 & 2043
	4/1/2017	-	106,700	3,300	-	110,000	2020-2023, 2033, 2038 & 2043
	5/1/2017	-	281,300	8,700	-	290,000	2020-2023, 2033, 2038 & 2043
	6/1/2017	-	402,550	12,450	-	415,000	2019-2023, 2033, 2038 & 2043
	7/1/2017	-	79,554	10,446	-	90,000	2021-2023, 2033, 2038 & 2043
	1/1/2018	-	587,475	42,525	-	630,000	2019-2023, 2033, 2038 & 2043
	4/1/2018	-	271,600	8,400	-	280,000	2020-2023, 2033, 2038 & 2043
	5/1/2018	-	368,600	11,400	-	380,000	2020-2023, 2033 & 2043
	6/1/2018	-	451,050	13,950	-	465,000	2019-2023, 2033, 2038 & 2043
	7/1/2018	-	105,259	14,741	-	120,000	2020-2023, 2033, 2038 & 2043
	10/1/2018	-	24,250	750	-	25,000	2022-2023, 2033, 2038 & 2043
	11/1/2018	-	402,550	12,450	-	415,000	2019-2023, 2033, 2038 & 2043
	12/1/2018	-	300,700	9,300	-	310,000	2020-2023, 2033, 2038 & 2043
	1/1/2019	-	1,479,899	75,101	-	1,555,000	2019-2023, 2033, 2038 & 2043
	4/1/2019	-	48,500	1,500	-	50,000	2022-2023, 2033, 2038 & 2043
5/1/2019	-	169,750	5,250	-	175,000	2020-2023, 2033, 2038 & 2043	
6/1/2019	-	77,600	2,400	-	80,000	2021-2023, 2033, 2038 & 2043	
7/1/2019	-	327,696	32,304	-	360,000	2020-2023, 2033, 2038 & 2043	
10/1/2019	-	203,700	6,300	-	210,000	2020-2023, 2033, 2038 & 2043	
11/1/2019	-	203,700	6,300	-	210,000	2020-2023, 2033, 2038 & 2043	
12/1/2019	-	315,250	9,750	-	325,000	2020-2023, 2033, 2038 & 2043	
Total 2013 C		-	12,885,309	614,691	-	13,500,000	

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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2014 A	8/1/2014	\$ -	\$ 150,350	\$ 4,650	\$ -	\$ 155,000	2038
	9/1/2014	-	169,750	5,250	-	175,000	2017-2018, 2027 & 2038
	10/1/2014	-	150,350	4,650	-	155,000	2038
	11/1/2014	-	339,500	10,500	-	350,000	2015-2024, 2027 & 2038
	12/1/2014	-	451,050	13,950	-	465,000	2015-2024, 2027 & 2038
	1/1/2015	-	458,950	46,050	-	505,000	2015-2024, 2027 & 2038
	2/1/2015	-	155,200	4,800	-	160,000	2038
	3/1/2015	-	155,200	4,800	-	160,000	2038
	4/1/2015	-	232,800	7,200	-	240,000	2016, 2019-2024, 2027 & 2038
	5/1/2015	-	281,300	8,700	-	290,000	2015-2024, 2027 & 2038
	6/1/2015	-	334,650	10,350	-	345,000	2015-2024, 2027 & 2038
	7/1/2015	-	1,049,450	65,550	-	1,115,000	2016-2024, 2027 & 2038
	8/1/2015	-	184,300	5,700	-	190,000	2038
	9/1/2015	-	586,850	18,150	-	605,000	2016-2024, 2027 & 2038
	11/1/2015	-	1,246,450	38,550	-	1,285,000	2016-2024, 2027 & 2038
	12/1/2015	-	436,500	13,500	-	450,000	2016-2024, 2027 & 2038
	1/1/2016	-	352,550	42,450	-	395,000	2016-2024, 2027 & 2038
	2/1/2016	-	208,550	6,450	-	215,000	2038
	3/1/2016	-	213,400	6,600	-	220,000	2038
	4/1/2016	-	310,400	9,600	-	320,000	2016-2024, 2027 & 2038
	7/1/2016	-	1,748,750	86,250	-	1,835,000	2017-2024, 2027 & 2038
	8/1/2016	-	232,800	7,200	-	240,000	2038
	9/1/2016	-	237,650	7,350	-	245,000	2038
	10/1/2016	-	606,250	18,750	-	625,000	2017-2024, 2027 & 2038
	11/1/2016	-	829,350	25,650	-	855,000	2017-2024, 2027 & 2038
	12/1/2016	-	727,500	22,500	-	750,000	2017-2024, 2027 & 2038
	1/1/2017	-	684,900	50,100	-	735,000	2017-2024, 2027 & 2038
	2/1/2017	-	227,950	7,050	-	235,000	2038
	3/1/2017	-	227,950	7,050	-	235,000	2038
	4/1/2017	-	402,550	12,450	-	415,000	2017-2024, 2027 & 2038
	5/1/2017	-	674,150	20,850	-	695,000	2017-2024, 2027 & 2038
	6/1/2017	-	421,950	13,050	-	435,000	2017-2024, 2027 & 2038
	7/1/2017	-	852,200	52,800	-	905,000	2018-2024, 2027 & 2038
	8/1/2017	-	218,250	6,750	-	225,000	2038
	9/1/2017	-	218,250	6,750	-	225,000	2038
	10/1/2017	-	780,850	24,150	-	805,000	2018-2024, 2027 & 2038
	11/1/2017	-	771,150	23,850	-	795,000	2018-2024, 2027 & 2038
	12/1/2017	-	485,000	15,000	-	500,000	2018-2024, 2027 & 2038
	1/1/2018	-	579,650	40,350	-	620,000	2018-2024, 2027 & 2038
	2/1/2018	-	208,550	6,450	-	215,000	2038
3/1/2018	-	121,250	3,750	-	125,000	2038	
4/1/2018	-	295,850	9,150	-	305,000	2038	
5/1/2018	-	174,600	5,400	-	180,000	2038	
6/1/2018	-	242,500	7,500	-	250,000	2019-2024, 2027 & 2038	

**Residential Housing Finance Bond Resolution
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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
	7/1/2018	-	827,750	47,250	-	875,000	2019-2024, 2027 & 2038
	8/1/2018	-	194,000	6,000	-	200,000	2038
	9/1/2018	-	397,700	12,300	-	410,000	2019-2024, 2027 & 2038
	10/1/2018	-	669,300	20,700	-	690,000	2019-2024, 2027 & 2038
	11/1/2018	-	368,600	11,400	-	380,000	2019-2024, 2027 & 2038
	12/1/2018	-	761,450	23,550	-	785,000	2019-2024, 2027 & 2038
	1/1/2019	-	1,442,900	62,100	-	1,505,000	2019-2024, 2027 & 2038
	2/1/2019	-	184,300	5,700	-	190,000	2038
	3/1/2019	-	189,150	5,850	-	195,000	2038
	4/1/2019	-	591,700	18,300	-	610,000	2019-2024, 2027 & 2038
	5/1/2019	-	451,050	13,950	-	465,000	2019-2024, 2027 & 2038
	6/1/2019	-	470,450	14,550	-	485,000	2019-2024, 2027 & 2038
	7/1/2019	-	535,600	29,400	-	565,000	2020-2024, 2027 & 2038
	8/1/2019	-	174,600	5,400	-	180,000	2038
	9/1/2019	-	179,450	5,550	-	185,000	2038
	10/1/2019	-	232,800	7,200	-	240,000	2020-2024, 2027 & 2038
	11/1/2019	-	683,850	21,150	-	705,000	2020-2024, 2027 & 2038
	12/1/2019	-	1,159,150	35,850	-	1,195,000	2020-2024, 2027 & 2038
Total 2014 A		-	28,951,200	1,153,800	-	30,105,000	

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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2014 B	8/1/2014	\$ -	\$ 232,800	\$ 7,200	\$ -	\$ 240,000	2038
	9/1/2014	-	150,350	4,650	-	155,000	2038
	10/1/2014	-	203,700	6,300	-	210,000	2038
	11/1/2014	-	295,850	9,150	-	305,000	2038
	12/1/2014	-	291,000	9,000	-	300,000	2038
	1/1/2015	-	569,650	40,350	-	610,000	2015-2026 & 2038
	2/1/2015	-	189,150	5,850	-	195,000	2038
	3/1/2015	-	194,000	6,000	-	200,000	2038
	4/1/2015	-	194,000	6,000	-	200,000	2038
	5/1/2015	-	189,150	5,850	-	195,000	2038
	6/1/2015	-	194,000	6,000	-	200,000	2038
	7/1/2015	-	305,750	44,250	-	350,000	2016-2026 & 2038
	8/1/2015	-	208,550	6,450	-	215,000	2038
	9/1/2015	-	208,550	6,450	-	215,000	2038
	11/1/2015	-	1,687,800	52,200	-	1,740,000	2016-2026 & 2038
	12/1/2015	-	72,750	2,250	-	75,000	2038
	1/1/2016	-	873,350	61,650	-	935,000	2016-2026 & 2038
	2/1/2016	-	203,700	6,300	-	210,000	2038
	3/1/2016	-	252,200	7,800	-	260,000	2038
	4/1/2016	-	557,750	17,250	-	575,000	2016-2026, & 2038
	7/1/2016	-	1,853,800	91,200	-	1,945,000	2017-2026 & 2038
	8/1/2016	-	126,100	3,900	-	130,000	2038
	9/1/2016	-	339,500	10,500	-	350,000	2038
	10/1/2016	-	232,800	7,200	-	240,000	2038
	11/1/2016	-	397,700	12,300	-	410,000	2017-2026 & 2038
	12/1/2016	-	688,700	21,300	-	710,000	2017-2026 & 2038
	1/1/2017	-	697,200	52,800	-	750,000	2017-2026 & 2038
	2/1/2017	-	223,100	6,900	-	230,000	2038
	3/1/2017	-	223,100	6,900	-	230,000	2038
	4/1/2017	-	480,150	14,850	-	495,000	2017-2026 & 2038
	5/1/2017	-	373,450	11,550	-	385,000	2017-2026 & 2038
	6/1/2017	-	771,150	23,850	-	795,000	2017-2026 & 2038
	7/1/2017	-	1,064,100	60,900	-	1,125,000	2018-2026 & 2038
	8/1/2017	-	213,400	6,600	-	220,000	2038
	9/1/2017	-	213,400	6,600	-	220,000	2038
	10/1/2017	-	596,550	18,450	-	615,000	2018-2026 & 2038
	11/1/2017	-	645,050	19,950	-	665,000	2018-2026 & 2038
	12/1/2017	-	528,650	16,350	-	545,000	2018-2026 & 2038
	1/1/2018	-	733,500	46,500	-	780,000	2018-2026 & 2038
	2/1/2018	-	198,850	6,150	-	205,000	2038
3/1/2018	-	203,700	6,300	-	210,000	2038	
4/1/2018	-	237,650	7,350	-	245,000	2021-2026 & 2038	
5/1/2018	-	843,900	26,100	-	870,000	2018-2026 & 2038	
6/1/2018	-	688,700	21,300	-	710,000	2018-2026 & 2038	

**Residential Housing Finance Bond Resolution
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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
	7/1/2018	-	513,550	36,450	-	550,000	2019-2026 & 2038
	8/1/2018	-	189,150	5,850	-	195,000	2038
	9/1/2018	-	194,000	6,000	-	200,000	2038
	10/1/2018	-	882,700	27,300	-	910,000	2019-2026 & 2038
	11/1/2018	-	1,018,500	31,500	-	1,050,000	2019-2026 & 2038
	12/1/2018	-	1,081,550	33,450	-	1,115,000	2019-2026 & 2038
	1/1/2019	-	1,590,950	64,050	-	1,655,000	2019-2026 & 2038
	2/1/2019	-	189,150	5,850	-	195,000	2038
	3/1/2019	-	189,150	5,850	-	195,000	2038
	4/1/2019	-	514,100	15,900	-	530,000	2019-2026 & 2038
	5/1/2019	-	368,600	11,400	-	380,000	2019-2026 & 2038
	6/1/2019	-	683,850	21,150	-	705,000	2019-2026 & 2038
	7/1/2019	-	514,650	25,350	-	540,000	2020-2026 & 2038
	8/1/2019	-	169,750	5,250	-	175,000	2038
	9/1/2019	-	174,600	5,400	-	180,000	2038
	10/1/2019	-	315,250	9,750	-	325,000	2020-2026 & 2038
	11/1/2019	-	518,950	16,050	-	535,000	2020-2026 & 2038
	12/1/2019	-	1,319,200	40,800	-	1,360,000	2020-2026 & 2038
Total 2014 B		-	30,075,900	1,184,100	-	31,260,000	

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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2014 C	4/1/2015	\$ -	\$ 1,934,000	\$ 61,000	\$ -	\$ 1,995,000	2015-2020, 2022-2025 & 2045
	5/1/2015	-	912,067	27,933	-	940,000	2015-2020, 2022-2025 & 2045
	6/1/2015	-	1,274,619	40,381	-	1,315,000	2015-2020, 2022-2025 & 2045
	7/1/2015	-	958,720	86,280	-	1,045,000	2016-2020, 2022-2025 & 2045
	8/1/2015	-	751,750	23,250	-	775,000	2045
	9/1/2015	-	756,600	23,400	-	780,000	2045
	11/1/2015	-	3,312,550	102,450	-	3,415,000	2016-2025 & 2045
	12/1/2015	-	1,430,750	44,250	-	1,475,000	2016-2025 & 2045
	1/1/2016	-	1,372,670	97,330	-	1,470,000	2016-2025 & 2045
	2/1/2016	-	785,700	24,300	-	810,000	2045
	3/1/2016	-	785,700	24,300	-	810,000	2045
	4/1/2016	-	979,700	30,300	-	1,010,000	2016-2025 & 2045
	5/1/2016	-	1,037,900	32,100	-	1,070,000	2016-2025 & 2045
	6/1/2016	-	1,091,250	33,750	-	1,125,000	2016-2025 & 2045
	7/1/2016	-	2,093,832	106,168	-	2,200,000	2017-2025 & 2045
	8/1/2016	-	819,650	25,350	-	845,000	2045
	9/1/2016	-	819,650	25,350	-	845,000	2045
	10/1/2016	-	1,081,550	33,450	-	1,115,000	2017-2025 & 2045
	11/1/2016	-	1,668,400	51,600	-	1,720,000	2017-2025 & 2045
	12/1/2016	-	1,624,750	50,250	-	1,675,000	2017-2025 & 2045
	1/1/2017	-	1,671,391	93,609	-	1,765,000	2017-2025 & 2045
	2/1/2017	-	868,150	26,850	-	895,000	2045
	3/1/2017	-	873,000	27,000	-	900,000	2045
	4/1/2017	-	902,100	27,900	-	930,000	2020-2025 & 2045
	5/1/2017	-	1,450,150	44,850	-	1,495,000	2017-2025 & 2045
	6/1/2017	-	1,057,300	32,700	-	1,090,000	2017-2025 & 2045
	7/1/2017	-	1,367,183	87,817	-	1,455,000	2018-2025 & 2045
	8/1/2017	-	873,000	27,000	-	900,000	2045
	9/1/2017	-	873,000	27,000	-	900,000	2045
	10/1/2017	-	916,650	28,350	-	945,000	2019-2025 & 2045
	11/1/2017	-	1,435,600	44,400	-	1,480,000	2018-2020, 2022-2025 & 2045
	12/1/2017	-	1,605,350	49,650	-	1,655,000	2018-2020, 2022-2025 & 2045
	1/1/2018	-	1,215,972	84,028	-	1,300,000	2018-2020, 2022-2025 & 2045
	2/1/2018	-	834,200	25,800	-	860,000	2045
	3/1/2018	-	839,050	25,950	-	865,000	2045
	4/1/2018	-	839,050	25,950	-	865,000	2045
	5/1/2018	-	1,028,200	31,800	-	1,060,000	2018-2025 & 2045
	6/1/2018	-	1,197,950	37,050	-	1,235,000	2018-2020, 2022-2025 & 2045
	7/1/2018	-	1,358,931	81,069	-	1,440,000	2019-2020, 2022-2025 & 2045
	8/1/2018	-	800,250	24,750	-	825,000	2045
9/1/2018	-	805,100	24,900	-	830,000	2045	
10/1/2018	-	800,250	24,750	-	825,000	2045	
11/1/2018	-	863,300	26,700	-	890,000	2045	
12/1/2018	-	1,222,200	37,800	-	1,260,000	2019-2020, 2022-2025 & 2045	

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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
	1/1/2019	-	1,823,896	86,104	-	1,910,000	2019-2020, 2022-2025 & 2045
	2/1/2019	-	693,550	21,450	-	715,000	2045
	3/1/2019	-	843,900	26,100	-	870,000	2045
	4/1/2019	-	766,300	23,700	-	790,000	2045
	5/1/2019	-	771,150	23,850	-	795,000	2045
	6/1/2019	-	766,300	23,700	-	790,000	2045
	7/1/2019	-	703,200	91,800	-	795,000	2045
	8/1/2019	-	732,350	22,650	-	755,000	2045
	9/1/2019	-	737,200	22,800	-	760,000	2045
	10/1/2019	-	732,350	22,650	-	755,000	2045
	11/1/2019	-	1,057,300	32,700	-	1,090,000	2020, 2022-2025 & 2045
	12/1/2019	-	1,231,900	38,100	-	1,270,000	2020, 2022-2025 & 2045
Total 2014 C		-	62,048,531	2,346,469	-	64,395,000	

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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2014 D	4/1/2015	\$ -	\$ 58,365	\$ 1,635	\$ -	\$ 60,000	2025-2026
	5/1/2015	-	48,888	1,112	-	50,000	2025-2026
	6/1/2015	-	89,036	964	-	90,000	2025-2026
	7/1/2015	-	59,941	5,059	-	65,000	2025-2026
	11/1/2015	-	213,400	6,600	-	220,000	2025-2026
	12/1/2015	-	77,600	2,400	-	80,000	2025-2026
	1/1/2016	-	79,372	5,628	-	85,000	2025-2026
	4/1/2016	-	24,250	750	-	25,000	2025-2026
	5/1/2016	-	29,100	900	-	30,000	2025-2026
	6/1/2016	-	38,800	1,200	-	40,000	2025
	7/1/2016	-	176,072	8,928	-	185,000	2025-2026
	10/1/2016	-	33,950	1,050	-	35,000	2025-2026
	11/1/2016	-	111,550	3,450	-	115,000	2025-2026
	12/1/2016	-	106,700	3,300	-	110,000	2025-2026
	1/1/2017	-	127,840	7,160	-	135,000	2025-2026
	4/1/2017	-	4,850	150	-	5,000	2025
	5/1/2017	-	82,450	2,550	-	85,000	2025-2026
	6/1/2017	-	29,100	900	-	30,000	2025-2026
	7/1/2017	-	79,870	5,130	-	85,000	2025-2026
	10/1/2017	-	4,850	150	-	5,000	2025
	11/1/2017	-	87,300	2,700	-	90,000	2025-2026
	12/1/2017	-	111,550	3,450	-	115,000	2025-2026
	1/1/2018	-	60,799	4,201	-	65,000	2025-2026
	5/1/2018	-	33,950	1,050	-	35,000	2025-2026
	6/1/2018	-	58,200	1,800	-	60,000	2025-2026
	7/1/2018	-	99,089	5,911	-	105,000	2025-2026
11/1/2018	-	9,700	300	-	10,000	2025-2026	
12/1/2018	-	77,600	2,400	-	80,000	2025-2026	
1/1/2019	-	210,082	9,918	-	220,000	2025-2026	
11/1/2019	-	72,750	2,250	-	75,000	2025-2026	
12/1/2019	-	116,400	3,600	-	120,000	2025-2026	
Total 2014 D		-	2,413,404	96,596	-	2,510,000	

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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2014 E	4/1/2015	\$ -	\$ 660,585	\$ 19,415	\$ -	\$ 680,000	2020-2022, 2026 & 2029
	5/1/2015	-	566,795	18,205	-	585,000	2020-2022, 2026, 2029 & 2032
	6/1/2015	-	1,032,245	32,755	-	1,065,000	2020-2022, 2026, 2029 & 2032
	7/1/2015	-	693,939	61,061	-	755,000	2020-2022, 2026, 2029 & 2032
	11/1/2015	-	2,463,800	76,200	-	2,540,000	2020-2022, 2026, 2029 & 2032
	12/1/2015	-	916,650	28,350	-	945,000	2020-2022, 2026, 2029 & 2032
	1/1/2016	-	938,458	66,542	-	1,005,000	2020-2022, 2026, 2029 & 2032
	4/1/2016	-	276,450	8,550	-	285,000	2020-2022, 2026, 2029 & 2032
	5/1/2016	-	363,750	11,250	-	375,000	2020-2022, 2026, 2029 & 2032
	6/1/2016	-	451,050	13,950	-	465,000	2020-2022, 2026, 2029 & 2032
	7/1/2016	-	2,046,245	103,755	-	2,150,000	2020-2022, 2026, 2029 & 2032
	10/1/2016	-	402,550	12,450	-	415,000	2020-2022, 2026, 2029 & 2032
	11/1/2016	-	1,314,350	40,650	-	1,355,000	2020-2022, 2026, 2029 & 2032
	12/1/2016	-	1,241,600	38,400	-	1,280,000	2020-2022, 2026, 2029 & 2032
	1/1/2017	-	1,444,119	80,881	-	1,525,000	2020-2022, 2026, 2029 & 2032
	4/1/2017	-	53,350	1,650	-	55,000	2021-2022, 2026, 2029 & 2032
	5/1/2017	-	955,450	29,550	-	985,000	2020-2022, 2026, 2029 & 2032
	6/1/2017	-	315,250	9,750	-	325,000	2020-2022, 2026, 2029 & 2032
	7/1/2017	-	934,947	60,053	-	995,000	2020-2022, 2026, 2029 & 2032
	10/1/2017	-	82,450	2,550	-	85,000	2020-2022, 2026, 2029 & 2032
	11/1/2017	-	1,008,800	31,200	-	1,040,000	2020-2022, 2026, 2029 & 2032
	12/1/2017	-	1,309,500	40,500	-	1,350,000	2020-2022, 2026, 2029 & 2032
	1/1/2018	-	720,230	49,770	-	770,000	2020-2022, 2026, 2029 & 2032
	5/1/2018	-	373,450	11,550	-	385,000	2020-2022, 2026, 2029 & 2032
	6/1/2018	-	693,550	21,450	-	715,000	2020-2022, 2026, 2029 & 2032
	7/1/2018	-	1,141,880	68,120	-	1,210,000	2020-2022, 2026, 2029 & 2032
	11/1/2018	-	116,400	3,600	-	120,000	2020-2022, 2026, 2029 & 2032
	12/1/2018	-	897,250	27,750	-	925,000	2020-2022, 2026, 2029 & 2032
	1/1/2019	-	2,420,721	114,279	-	2,535,000	2020-2022, 2026, 2029 & 2032
	11/1/2019	-	839,050	25,950	-	865,000	2020-2022, 2026, 2029 & 2032
	12/1/2019	-	1,324,050	40,950	-	1,365,000	2020-2022, 2026, 2029 & 2032
Total 2014 E		-	27,998,914	1,151,086	-	29,150,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2015 A	12/1/2015	\$ -	\$ 989,400	\$ 30,600	\$ -	\$ 1,020,000	2041
	1/1/2016	-	212,788	42,212	-	255,000	2041
	3/1/2016	-	722,650	22,350	-	745,000	2041
	4/1/2016	-	363,750	11,250	-	375,000	2041
	5/1/2016	-	363,750	11,250	-	375,000	2041
	6/1/2016	-	363,750	11,250	-	375,000	2041
	7/1/2016	-	357,527	17,473	-	375,000	2041
	8/1/2016	-	407,400	12,600	-	420,000	2041
	9/1/2016	-	412,250	12,750	-	425,000	2041
	10/1/2016	-	412,250	12,750	-	425,000	2041
	11/1/2016	-	407,400	12,600	-	420,000	2041
	12/1/2016	-	412,250	12,750	-	425,000	2041
	1/1/2017	-	374,554	50,446	-	425,000	2041
	2/1/2017	-	455,900	14,100	-	470,000	2041
	3/1/2017	-	455,900	14,100	-	470,000	2041
	4/1/2017	-	455,900	14,100	-	470,000	2041
	5/1/2017	-	455,900	14,100	-	470,000	2041
	6/1/2017	-	455,900	14,100	-	470,000	2041
	7/1/2017	-	445,818	24,182	-	470,000	2041
	8/1/2017	-	494,700	15,300	-	510,000	2041
	9/1/2017	-	494,700	15,300	-	510,000	2041
	10/1/2017	-	499,550	15,450	-	515,000	2041
	11/1/2017	-	494,700	15,300	-	510,000	2041
	12/1/2017	-	494,700	15,300	-	510,000	2041
	1/1/2018	-	487,222	27,778	-	515,000	2041
	2/1/2018	-	509,250	15,750	-	525,000	2041
	3/1/2018	-	509,250	15,750	-	525,000	2041
	4/1/2018	-	509,250	15,750	-	525,000	2041
	5/1/2018	-	509,250	15,750	-	525,000	2041
	6/1/2018	-	509,250	15,750	-	525,000	2041
	7/1/2018	-	496,994	28,006	-	525,000	2041
	8/1/2018	-	485,000	15,000	-	500,000	2041
	9/1/2018	-	489,850	15,150	-	505,000	2041
	10/1/2018	-	489,850	15,150	-	505,000	2041
	11/1/2018	-	485,000	15,000	-	500,000	2041
	12/1/2018	-	489,850	15,150	-	505,000	2041
	1/1/2019	-	483,632	21,368	-	505,000	2041
	2/1/2019	-	465,600	14,400	-	480,000	2041
	3/1/2019	-	465,600	14,400	-	480,000	2041
	4/1/2019	-	465,600	14,400	-	480,000	2041
5/1/2019	-	465,600	14,400	-	480,000	2041	
6/1/2019	-	465,600	14,400	-	480,000	2041	
7/1/2019	-	456,320	28,680	-	485,000	2041	

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
	8/1/2019	-	446,200	13,800	-	460,000	2041
	9/1/2019	-	446,200	13,800	-	460,000	2041
	10/1/2019	-	446,200	13,800	-	460,000	2041
	11/1/2019	-	446,200	13,800	-	460,000	2041
	12/1/2019	-	446,200	13,800	-	460,000	2041
Total 2015 A		-	22,472,355	832,645	-	23,305,000	

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2019**



Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2015 C	12/1/2015	\$ -	\$ 1,678,100	\$ 51,900	\$ -	\$ 1,730,000	2016-2026 & 2031
	1/1/2016	-	20,862	4,138	-	25,000	2025-2026 & 2031
	5/1/2016	-	281,300	8,700	-	290,000	2016-2026 & 2031
	6/1/2016	-	169,750	5,250	-	175,000	2016-2026 & 2031
	7/1/2016	-	2,245,273	109,727	-	2,355,000	2017-2026 & 2031
	9/1/2016	-	9,700	300	-	10,000	2026 & 2031
	10/1/2016	-	645,050	19,950	-	665,000	2017-2026 & 2031
	11/1/2016	-	620,800	19,200	-	640,000	2017-2026 & 2031
	12/1/2016	-	2,628,700	81,300	-	2,710,000	2017-2026 & 2031
	1/1/2017	-	30,846	4,154	-	35,000	2025-2026 & 2031
	5/1/2017	-	1,261,000	39,000	-	1,300,000	2017-2026 & 2031
	6/1/2017	-	1,348,300	41,700	-	1,390,000	2017-2026 & 2031
	7/1/2017	-	1,285,282	69,718	-	1,355,000	2018-2026 & 2031
	11/1/2017	-	1,498,650	46,350	-	1,545,000	2018-2026 & 2031
	12/1/2017	-	1,915,750	59,250	-	1,975,000	2018-2026 & 2031
	1/1/2018	-	894,028	50,972	-	945,000	2018-2026 & 2031
	6/1/2018	-	514,100	15,900	-	530,000	2018-2026 & 2031
	7/1/2018	-	889,856	50,144	-	940,000	2019-2026 & 2031
	11/1/2018	-	572,300	17,700	-	590,000	2019-2026 & 2031
	12/1/2018	-	1,197,950	37,050	-	1,235,000	2019-2026 & 2031
	1/1/2019	-	2,001,568	88,432	-	2,090,000	2019-2026 & 2031
	6/1/2019	-	19,400	600	-	20,000	2026 & 2031
	7/1/2019	-	522,180	32,820	-	555,000	2020-2026 & 2031
	11/1/2019	-	552,900	17,100	-	570,000	2020-2026 & 2031
	12/1/2019	-	596,550	18,450	-	615,000	2020-2026 & 2031
Total 2015 C		-	23,400,195	889,805	-	24,290,000	

Residential Housing Finance Bond Resolution
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Information as of December 31, 2019



Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2015 E	4/1/2016	\$ -	\$ 1,561,700	\$ 48,300	\$ -	\$ 1,610,000	2046
	5/1/2016	-	305,550	9,450	-	315,000	2046
	6/1/2016	-	906,950	28,050	-	935,000	2016-2023 & 2046
	7/1/2016	-	1,917,207	87,793	-	2,005,000	2017-2023 & 2046
	8/1/2016	-	582,000	18,000	-	600,000	2046
	9/1/2016	-	582,000	18,000	-	600,000	2046
	10/1/2016	-	843,900	26,100	-	870,000	2017-2023 & 2046
	11/1/2016	-	1,115,500	34,500	-	1,150,000	2017-2023 & 2046
	12/1/2016	-	742,050	22,950	-	765,000	2017-2023 & 2046
	1/1/2017	-	1,758,055	86,945	-	1,845,000	2017-2023 & 2046
	2/1/2017	-	630,500	19,500	-	650,000	2046
	3/1/2017	-	630,500	19,500	-	650,000	2046
	4/1/2017	-	630,500	19,500	-	650,000	2046
	5/1/2017	-	1,236,750	38,250	-	1,275,000	2017-2023 & 2046
	6/1/2017	-	1,425,900	44,100	-	1,470,000	2017-2023 & 2046
	7/1/2017	-	1,057,500	67,500	-	1,125,000	2018-2023 & 2046
	8/1/2017	-	674,150	20,850	-	695,000	2046
	9/1/2017	-	766,300	23,700	-	790,000	2018-2023 & 2046
	10/1/2017	-	1,290,100	39,900	-	1,330,000	2018-2023 & 2046
	11/1/2017	-	1,372,550	42,450	-	1,415,000	2018-2023 & 2046
	12/1/2017	-	1,202,800	37,200	-	1,240,000	2018-2023 & 2046
	1/1/2018	-	1,173,808	66,192	-	1,240,000	2018-2023 & 2046
	2/1/2018	-	712,950	22,050	-	735,000	2046
	3/1/2018	-	717,800	22,200	-	740,000	2046
	4/1/2018	-	712,950	22,050	-	735,000	2046
	5/1/2018	-	717,800	22,200	-	740,000	2046
	6/1/2018	-	868,150	26,850	-	895,000	2018-2023 & 2046
	7/1/2018	-	1,366,327	68,673	-	1,435,000	2019-2023 & 2046
	8/1/2018	-	703,250	21,750	-	725,000	2046
	9/1/2018	-	703,250	21,750	-	725,000	2046
	10/1/2018	-	703,250	21,750	-	725,000	2046
11/1/2018	-	989,400	30,600	-	1,020,000	2019-2023 & 2046	
12/1/2018	-	1,362,850	42,150	-	1,405,000	2019-2023 & 2046	
1/1/2019	-	1,487,601	67,399	-	1,555,000	2019-2023 & 2046	
2/1/2019	-	460,750	14,250	-	475,000	2046	
3/1/2019	-	882,700	27,300	-	910,000	2046	
4/1/2019	-	674,150	20,850	-	695,000	2046	
5/1/2019	-	674,150	20,850	-	695,000	2046	
6/1/2019	-	727,500	22,500	-	750,000	2019-2023 & 2046	
7/1/2019	-	946,316	53,684	-	1,000,000	2020-2023 & 2046	
8/1/2019	-	640,200	19,800	-	660,000	2046	
9/1/2019	-	480,150	14,850	-	495,000	2046	
10/1/2019	-	809,950	25,050	-	835,000	2046	
11/1/2019	-	882,700	27,300	-	910,000	2020-2023 & 2046	

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
	12/1/2019	-	1,062,150	32,850	-	1,095,000	2020-2023 & 2046
Total 2015 E		-	41,692,564	1,487,436	-	43,180,000	

**Residential Housing Finance Bond Resolution
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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2015 F							
	6/1/2016	\$ -	\$ 208,550	\$ 6,450	-	\$ 215,000	2023-2026 & 2029
	7/1/2016	-	1,807,243	82,757	-	1,890,000	2023-2026 & 2029
	10/1/2016	-	334,650	10,350	-	345,000	2023-2026 & 2029
	11/1/2016	-	693,550	21,450	-	715,000	2023-2026 & 2029
	12/1/2016	-	203,700	6,300	-	210,000	2023-2026 & 2029
	1/1/2017	-	1,638,945	81,055	-	1,720,000	2023-2026 & 2029
	5/1/2017	-	839,050	25,950	-	865,000	2023-2026 & 2029
	6/1/2017	-	1,110,650	34,350	-	1,145,000	2023-2026 & 2029
	7/1/2017	-	672,100	42,900	-	715,000	2023-2026 & 2029
	9/1/2017	-	130,950	4,050	-	135,000	2023-2026 & 2029
	10/1/2017	-	926,350	28,650	-	955,000	2023-2026 & 2029
	11/1/2017	-	1,047,600	32,400	-	1,080,000	2023-2026 & 2029
	12/1/2017	-	800,250	24,750	-	825,000	2023-2026 & 2029
	1/1/2018	-	842,492	47,508	-	890,000	2023-2026 & 2029
	6/1/2018	-	257,050	7,950	-	265,000	2023-2026 & 2029
	7/1/2018	-	1,209,223	60,777	-	1,270,000	2023-2026 & 2029
	11/1/2018	-	518,950	16,050	-	535,000	2023-2026 & 2029
	12/1/2018	-	1,202,800	37,200	-	1,240,000	2023-2026 & 2029
	1/1/2019	-	1,631,099	73,901	-	1,705,000	2023-2026 & 2029
	6/1/2019	-	111,550	3,450	-	115,000	2023-2026 & 2029
	7/1/2019	-	671,884	38,116	-	710,000	2023-2026 & 2029
	11/1/2019	-	572,300	17,700	-	590,000	2023-2026 & 2029
	12/1/2019	-	974,850	30,150	-	1,005,000	2023-2026 & 2029
Total 2015 F		-	18,405,786	734,214	-	19,140,000	

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2016 A	11/1/2016	\$ -	\$ 2,439,550	\$ 75,450	\$ -	\$ 2,515,000	2017-2026, 2031 & 2033
	12/1/2016	-	480,150	14,850	-	495,000	2017-2026, 2031 & 2033
	1/1/2017	-	759,401	40,599	-	800,000	2017-2026, 2031 & 2033
	2/1/2017	-	1,168,850	36,150	-	1,205,000	2017-2026, 2031 & 2033
	3/1/2017	-	426,800	13,200	-	440,000	2017-2026, 2031 & 2033
	4/1/2017	-	1,071,850	33,150	-	1,105,000	2017-2026, 2031 & 2033
	5/1/2017	-	717,800	22,200	-	740,000	2017-2026, 2031 & 2033
	6/1/2017	-	533,500	16,500	-	550,000	2017-2026, 2031 & 2033
	7/1/2017	-	883,012	41,988	-	925,000	2018-2026, 2031 & 2033
	11/1/2017	-	999,100	30,900	-	1,030,000	2018-2026, 2031 & 2033
	12/1/2017	-	1,067,000	33,000	-	1,100,000	2018-2026, 2031 & 2033
	1/1/2018	-	705,595	44,405	-	750,000	2018-2026, 2031 & 2033
	5/1/2018	-	446,200	13,800	-	460,000	2018-2026, 2031 & 2033
	6/1/2018	-	426,800	13,200	-	440,000	2018-2026, 2031 & 2033
	7/1/2018	-	1,199,038	50,962	-	1,250,000	2019-2026, 2031 & 2033
	11/1/2018	-	669,300	20,700	-	690,000	2019-2026, 2031 & 2033
	12/1/2018	-	1,120,350	34,650	-	1,155,000	2019-2026, 2031 & 2033
	1/1/2019	-	1,507,089	72,911	-	1,580,000	2019-2026, 2031 & 2033
	5/1/2019	-	164,900	5,100	-	170,000	2019-2026, 2031 & 2033
	6/1/2019	-	252,200	7,800	-	260,000	2019-2026, 2031 & 2033
7/1/2019	-	511,063	28,937	-	540,000	2020-2026, 2031 & 2033	
10/1/2019	-	72,750	2,250	-	75,000	2023-2026, 2031 & 2033	
11/1/2019	-	756,600	23,400	-	780,000	2020-2026, 2031 & 2033	
12/1/2019	-	989,400	30,600	-	1,020,000	2020-2026, 2031 & 2033	
Total 2016 A		-	19,368,298	706,702	-	20,075,000	

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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2016 B							
	9/1/2016	\$ -	\$ 504,400	\$ 15,600	\$ -	\$ 520,000	2046
	11/1/2016	-	2,172,800	67,200	-	2,240,000	2035, 2037 & 2046
	12/1/2016	-	620,800	19,200	-	640,000	2035, 2037 & 2046
	1/1/2017	-	726,177	38,823	-	765,000	2035, 2037 & 2046
	2/1/2017	-	1,003,950	31,050	-	1,035,000	2035, 2037 & 2046
	3/1/2017	-	703,250	21,750	-	725,000	2035, 2037 & 2046
	4/1/2017	-	960,300	29,700	-	990,000	2035, 2037 & 2046
	5/1/2017	-	824,500	25,500	-	850,000	2035, 2037 & 2046
	6/1/2017	-	742,050	22,950	-	765,000	2035, 2037 & 2046
	7/1/2017	-	887,785	42,215	-	930,000	2035, 2037 & 2046
	8/1/2017	-	577,150	17,850	-	595,000	2046
	9/1/2017	-	577,150	17,850	-	595,000	2046
	10/1/2017	-	577,150	17,850	-	595,000	2046
	11/1/2017	-	994,250	30,750	-	1,025,000	2035, 2037 & 2046
	12/1/2017	-	1,018,500	31,500	-	1,050,000	2035, 2037 & 2046
	1/1/2018	-	865,530	54,470	-	920,000	2035, 2037 & 2046
	2/1/2018	-	625,650	19,350	-	645,000	2046
	3/1/2018	-	625,650	19,350	-	645,000	2046
	4/1/2018	-	625,650	19,350	-	645,000	2046
	5/1/2018	-	814,800	25,200	-	840,000	2035, 2037 & 2046
	6/1/2018	-	805,100	24,900	-	830,000	2035, 2037 & 2046
	7/1/2018	-	1,131,892	48,108	-	1,180,000	2035, 2037 & 2046
	8/1/2018	-	567,450	17,550	-	585,000	2046
	9/1/2018	-	567,450	17,550	-	585,000	2046
	10/1/2018	-	567,450	17,550	-	585,000	2046
	11/1/2018	-	858,450	26,550	-	885,000	2035, 2037 & 2046
	12/1/2018	-	1,052,450	32,550	-	1,085,000	2035, 2037 & 2046
	1/1/2019	-	1,230,471	59,529	-	1,290,000	2035, 2037 & 2046
	2/1/2019	-	538,350	16,650	-	555,000	2046
	3/1/2019	-	538,350	16,650	-	555,000	2046
	4/1/2019	-	543,200	16,800	-	560,000	2046
	5/1/2019	-	615,950	19,050	-	635,000	2035, 2037 & 2046
	6/1/2019	-	649,900	20,100	-	670,000	2035, 2037 & 2046
	7/1/2019	-	766,595	43,405	-	810,000	2035, 2037 & 2046
	8/1/2019	-	509,250	15,750	-	525,000	2046
	9/1/2019	-	509,250	15,750	-	525,000	2046
	10/1/2019	-	543,200	16,800	-	560,000	2035, 2037 & 2046
	11/1/2019	-	853,600	26,400	-	880,000	2035, 2037 & 2046
	12/1/2019	-	960,300	29,700	-	990,000	2035, 2037 & 2046
Total 2016 B		-	30,256,150	1,048,850	-	31,305,000	

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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2016 C	11/1/2016	\$ -	\$ 1,173,700	\$ 36,300	\$ -	\$ 1,210,000	2017-2026, 2031 & 2037
	12/1/2016	-	310,400	9,600	-	320,000	2017-2026, 2031 & 2037
	1/1/2017	-	161,373	8,627	-	170,000	2018-2026, 2031 & 2037
	2/1/2017	-	227,950	7,050	-	235,000	2018-2026, 2031 & 2037
	3/1/2017	-	126,100	3,900	-	130,000	2018-2026, 2031 & 2037
	4/1/2017	-	518,950	16,050	-	535,000	2018-2026, 2031 & 2037
	5/1/2017	-	72,750	2,250	-	75,000	2018-2026, 2031 & 2037
	6/1/2017	-	121,250	3,750	-	125,000	2018-2026, 2031 & 2037
	7/1/2017	-	52,503	2,497	-	55,000	2018-2026, 2031 & 2037
	8/1/2017	-	257,050	7,950	-	265,000	2018-2026, 2031 & 2037
	9/1/2017	-	24,250	750	-	25,000	2018-2019, 2031 & 2037
	10/1/2017	-	237,650	7,350	-	245,000	2018-2026, 2031 & 2037
	11/1/2017	-	242,500	7,500	-	250,000	2018-2026, 2031 & 2037
	12/1/2017	-	126,100	3,900	-	130,000	2018-2026, 2031 & 2037
	1/1/2018	-	206,975	13,025	-	220,000	2019-2026, 2031 & 2037
	2/1/2018	-	33,950	1,050	-	35,000	2019, 2026, 2031 & 2037
	3/1/2018	-	164,900	5,100	-	170,000	2019-2026, 2031 & 2037
	4/1/2018	-	24,250	750	-	25,000	2019 & 2026, 2031 & 2037
	5/1/2018	-	43,650	1,350	-	45,000	2019 & 2026, 2031 & 2037
	6/1/2018	-	116,400	3,600	-	120,000	2019 & 2026, 2031 & 2037
	7/1/2018	-	100,719	4,281	-	105,000	2019 & 2026, 2031 & 2037
	8/1/2018	-	257,050	7,950	-	265,000	2019-2026, 2031 & 2037
	9/1/2018	-	286,150	8,850	-	295,000	2019-2026, 2031 & 2037
	10/1/2018	-	140,650	4,350	-	145,000	2019-2026, 2031 & 2037
	11/1/2018	-	29,100	900	-	30,000	2019 & 2026, 2031 & 2037
	12/1/2018	-	174,600	5,400	-	180,000	2019 & 2026, 2031 & 2037
	1/1/2019	-	257,540	12,460	-	270,000	2019 & 2026, 2031 & 2037
	2/1/2019	-	14,550	450	-	15,000	2026, 2031 & 2037
	3/1/2019	-	169,750	5,250	-	175,000	2020-2026, 2031 & 2037
	4/1/2019	-	24,250	750	-	25,000	2025, 2031 & 2037
	5/1/2019	-	121,250	3,750	-	125,000	2020-2026, 2031 & 2037
6/1/2019	-	198,850	6,150	-	205,000	2020-2026, 2031 & 2037	
7/1/2019	-	94,641	5,359	-	100,000	2022-2026, 2031 & 2037	
8/1/2019	-	92,150	2,850	-	95,000	2022-2026, 2031 & 2037	
9/1/2019	-	33,950	1,050	-	35,000	2024, 2026, 2031 & 2037	
10/1/2019	-	121,250	3,750	-	125,000	2020-2026, 2031 & 2037	
11/1/2019	-	106,700	3,300	-	110,000	2021-2026, 2031 & 2037	
12/1/2019	-	67,900	2,100	-	70,000	2020-2026, 2031 & 2037	
Total 2016 C		-	6,533,701	221,299	-	6,755,000	

**Residential Housing Finance Bond Resolution
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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2016 D	4/1/2017	\$ -	\$ 153,731	\$ 1,269	\$ -	\$ 155,000	2017-2020
	6/1/2017	-	133,895	1,105	-	135,000	2017-2020
	7/1/2017	-	186,693	3,307	-	190,000	2018-2021
	9/1/2017	-	34,713	287	-	35,000	2018-2020
	10/1/2017	-	168,608	1,392	-	170,000	2018-2020
	11/1/2017	-	79,345	655	-	80,000	2018-2020
	12/1/2017	-	143,813	1,187	-	145,000	2018-2020
	1/1/2018	-	127,493	2,507	-	130,000	2018-2021
	5/1/2018	-	39,672	328	-	40,000	2018-2020
	6/1/2018	-	109,099	901	-	110,000	2018-2020
	7/1/2018	-	88,236	1,764	-	90,000	2019-2020
	10/1/2018	-	49,591	409	-	50,000	2019-2020
	11/1/2018	-	138,854	1,146	-	140,000	2019-2020
	12/1/2018	-	114,058	942	-	115,000	2019-2020
	1/1/2019	-	118,160	1,840	-	120,000	2019-2020
	7/1/2019	-	54,056	944	-	55,000	2020-2021
	10/1/2019	-	29,754	246	-	30,000	2020
	11/1/2019	-	89,263	737	-	90,000	2020-2021
	12/1/2019	-	119,017	983	-	120,000	2020-2021
	Total 2016 D		-	1,978,051	21,949	-	2,000,000

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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2016 E	4/1/2017	\$ -	\$ 1,304,233	\$ 10,767	\$ -	\$ 1,315,000	2021-2027, 2031 & 2047
	5/1/2017	-	247,953	2,047	-	250,000	2047
	6/1/2017	-	724,022	5,978	-	730,000	2021-2027, 2031 & 2047
	7/1/2017	-	1,026,813	18,187	-	1,045,000	2021-2027, 2031 & 2047
	8/1/2017	-	282,666	2,334	-	285,000	2047
	9/1/2017	-	436,398	3,602	-	440,000	2021-2027, 2031 & 2047
	10/1/2017	-	991,812	8,188	-	1,000,000	2021-2027, 2031 & 2047
	11/1/2017	-	600,046	4,954	-	605,000	2021-2027, 2031 & 2047
	12/1/2017	-	882,712	7,288	-	890,000	2021-2027, 2031 & 2047
	1/1/2018	-	921,873	18,127	-	940,000	2021-2027, 2031 & 2047
	2/1/2018	-	357,052	2,948	-	360,000	2047
	3/1/2018	-	357,052	2,948	-	360,000	2047
	4/1/2018	-	357,052	2,948	-	360,000	2047
	5/1/2018	-	570,292	4,708	-	575,000	2021-2027, 2031 & 2047
	6/1/2018	-	887,672	7,328	-	895,000	2021-2027, 2031 & 2047
	7/1/2018	-	906,867	18,133	-	925,000	2021-2027, 2031 & 2047
	8/1/2018	-	426,479	3,521	-	430,000	2047
	9/1/2018	-	431,438	3,562	-	435,000	2047
	10/1/2018	-	728,981	6,019	-	735,000	2021-2027, 2031 & 2047
	11/1/2018	-	1,284,396	10,604	-	1,295,000	2021-2027, 2031 & 2047
	12/1/2018	-	1,150,502	9,498	-	1,160,000	2021-2027, 2031 & 2047
	1/1/2019	-	1,383,463	21,537	-	1,405,000	2021-2027, 2031 & 2047
	2/1/2019	-	481,029	3,971	-	485,000	2047
	3/1/2019	-	485,988	4,012	-	490,000	2047
4/1/2019	-	485,988	4,012	-	490,000	2047	
5/1/2019	-	485,988	4,012	-	490,000	2047	
6/1/2019	-	485,988	4,012	-	490,000	2047	
7/1/2019	-	1,110,597	19,403	-	1,130,000	2021-2027, 2031 & 2047	
8/1/2019	-	466,152	3,848	-	470,000	2047	
9/1/2019	-	466,152	3,848	-	470,000	2047	
10/1/2019	-	788,491	6,509	-	795,000	2021-2027, 2031 & 2047	
11/1/2019	-	1,572,022	12,978	-	1,585,000	2021-2027, 2031 & 2047	
12/1/2019	-	1,859,648	15,352	-	1,875,000	2021-2027, 2031 & 2047	
Total 2016 E		-	24,947,817	257,183	-	25,205,000	

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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2017 A	11/1/2017	\$ -	\$ 3,348,490	\$ 51,510	\$ -	\$ 3,400,000	2018-2027 & 2030
	12/1/2017	-	1,186,744	18,256	-	1,205,000	2018-2027 & 2030
	1/1/2018	-	777,318	17,682	-	795,000	2018-2027 & 2030
	4/1/2018	-	359,470	5,530	-	365,000	2018-2027 & 2030
	5/1/2018	-	270,834	4,166	-	275,000	2018-2027 & 2030
	6/1/2018	-	600,759	9,241	-	610,000	2018-2027 & 2030
	7/1/2018	-	1,157,412	32,588	-	1,190,000	2019-2027 & 2030
	10/1/2018	-	773,107	11,893	-	785,000	2019-2027 & 2030
	11/1/2018	-	886,365	13,635	-	900,000	2019-2027 & 2030
	12/1/2018	-	886,365	13,635	-	900,000	2019-2027 & 2030
	1/1/2019	-	874,545	25,455	-	900,000	2019-2027 & 2030
	5/1/2019	-	349,622	5,378	-	355,000	2019-2027 & 2030
	6/1/2019	-	334,849	5,151	-	340,000	2019-2027 & 2030
	7/1/2019	-	733,751	21,249	-	755,000	2020-2027 & 2030
	10/1/2019	-	610,607	9,393	-	620,000	2020-2027 & 2030
	11/1/2019	-	871,592	13,408	-	885,000	2020-2027 & 2030
12/1/2019	-	1,019,320	15,680	-	1,035,000	2020-2027 & 2030	
Total 2017 A		-	15,041,150	273,850	-	15,315,000	

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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2017 B	10/1/2017	\$ -	\$ 211,743	\$ 3,257	\$ -	\$ 215,000	2047
	11/1/2017	-	359,470	5,530	-	365,000	2038 & 2047
	12/1/2017	-	172,349	2,651	-	175,000	2038 & 2047
	1/1/2018	-	141,775	3,225	-	145,000	2038 & 2047
	2/1/2018	-	285,606	4,394	-	290,000	2047
	3/1/2018	-	285,606	4,394	-	290,000	2047
	4/1/2018	-	315,152	4,848	-	320,000	2038 & 2047
	5/1/2018	-	310,227	4,773	-	315,000	2038 & 2047
	6/1/2018	-	339,773	5,227	-	345,000	2038 & 2047
	7/1/2018	-	384,183	10,817	-	395,000	2038 & 2047
	8/1/2018	-	325,000	5,000	-	330,000	2047
	9/1/2018	-	325,000	5,000	-	330,000	2047
	10/1/2018	-	393,940	6,060	-	400,000	2038 & 2047
	11/1/2018	-	403,788	6,212	-	410,000	2038 & 2047
	12/1/2018	-	403,788	6,212	-	410,000	2038 & 2047
	1/1/2019	-	403,262	11,738	-	415,000	2038 & 2047
	2/1/2019	-	423,485	6,515	-	430,000	2047
	3/1/2019	-	423,485	6,515	-	430,000	2047
	4/1/2019	-	428,410	6,590	-	435,000	2047
	5/1/2019	-	457,955	7,045	-	465,000	2047
6/1/2019	-	453,031	6,969	-	460,000	2038 & 2047	
7/1/2019	-	495,646	14,354	-	510,000	2038 & 2047	
8/1/2019	-	453,031	6,969	-	460,000	2047	
9/1/2019	-	457,955	7,045	-	465,000	2047	
10/1/2019	-	517,046	7,954	-	525,000	2038 & 2047	
11/1/2019	-	541,668	8,332	-	550,000	2038 & 2047	
12/1/2019	-	556,440	8,560	-	565,000	2038 & 2047	
Total 2017 B		-	10,268,814	176,186	-	10,445,000	

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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2017 D	6/1/2018	\$ -	\$ 571,785	\$ 3,215	\$ -	\$ 575,000	2018-2028 & 2030
	7/1/2018	-	354,450	5,550	-	360,000	2019-2028 & 2030
	11/1/2018	-	725,919	4,081	-	730,000	2019-2028 & 2030
	12/1/2018	-	497,204	2,796	-	500,000	2019-2028 & 2030
	1/1/2019	-	433,797	6,203	-	440,000	2019-2028 & 2030
	4/1/2019	-	129,273	727	-	130,000	2019-2028 & 2030
	5/1/2019	-	228,714	1,286	-	230,000	2019-2028 & 2030
	6/1/2019	-	178,994	1,006	-	180,000	2019-2028 & 2030
	7/1/2019	-	439,203	5,797	-	445,000	2020-2028 & 2030
	10/1/2019	-	357,987	2,013	-	360,000	2020-2028 & 2030
	11/1/2019	-	855,192	4,808	-	860,000	2020-2028 & 2030
	12/1/2019	-	546,925	3,075	-	550,000	2020-2028 & 2030
	Total 2017 D		-	5,319,443	40,557	-	5,360,000
2017 E	4/1/2018	\$ -	\$ 487,260	\$ 2,740	\$ -	\$ 490,000	2048
	5/1/2018	-	159,105	895	-	160,000	2048
	6/1/2018	-	432,568	2,432	-	435,000	2034 & 2048
	7/1/2018	-	334,759	5,241	-	340,000	2034 & 2048
	8/1/2018	-	263,518	1,482	-	265,000	2048
	9/1/2018	-	263,518	1,482	-	265,000	2048
	10/1/2018	-	263,518	1,482	-	265,000	2048
	11/1/2018	-	611,561	3,439	-	615,000	2034 & 2048
	12/1/2018	-	502,177	2,823	-	505,000	2034 & 2048
	1/1/2019	-	483,092	6,908	-	490,000	2034 & 2048
	2/1/2019	-	362,959	2,041	-	365,000	2048
	3/1/2019	-	362,959	2,041	-	365,000	2048
	4/1/2019	-	427,596	2,404	-	430,000	2034 & 2048
	5/1/2019	-	477,316	2,684	-	480,000	2034 & 2048
	6/1/2019	-	452,456	2,544	-	455,000	2034 & 2048
	7/1/2019	-	592,183	7,817	-	600,000	2034 & 2048
	8/1/2019	-	452,456	2,544	-	455,000	2048
	9/1/2019	-	457,428	2,572	-	460,000	2048
10/1/2019	-	641,394	3,606	-	645,000	2034 & 2048	
11/1/2019	-	894,968	5,032	-	900,000	2034 & 2048	
12/1/2019	-	745,807	4,193	-	750,000	2034 & 2048	
Total 2017 E		-	9,668,598	66,402	-	9,735,000	

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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2018 A	11/1/2018	\$ -	\$ 318,585	\$ 1,415	\$ -	\$ 320,000	2019-2028 & 2032
	12/1/2018	-	363,385	1,615	-	365,000	2019-2028 & 2032
	1/1/2019	-	291,628	3,372	-	295,000	2019-2028 & 2032
	2/1/2019	-	29,867	133	-	30,000	2027-2028 & 2032
	3/1/2019	-	452,987	2,013	-	455,000	2019-2028 & 2032
	4/1/2019	-	457,965	2,035	-	460,000	2019-2028 & 2032
	5/1/2019	-	348,452	1,548	-	350,000	2019-2028 & 2032
	6/1/2019	-	358,407	1,593	-	360,000	2019-2028 & 2032
	7/1/2019	-	440,165	4,835	-	445,000	2020-2028 & 2032
	8/1/2019	-	338,496	1,504	-	340,000	2020-2028 & 2032
	10/1/2019	-	851,218	3,782	-	855,000	2020-2028 & 2032
	11/1/2019	-	751,660	3,340	-	755,000	2020-2028 & 2032
	12/1/2019	-	910,953	4,047	-	915,000	2020-2028 & 2032
Total 2018 A		-	5,913,768	31,232	-	5,945,000	
2018 B	10/1/2018	\$ -	\$ 258,850	\$ 1,150	\$ -	\$ 260,000	2048
	11/1/2018	-	333,518	1,482	-	335,000	2023-2024, 2033, 2037 & 2048
	12/1/2018	-	358,408	1,592	-	360,000	2019-2020, 2033, 2037 & 2048
	1/1/2019	-	326,228	3,772	-	330,000	2023-2024, 2033, 2037 & 2048
	2/1/2019	-	134,403	597	-	135,000	2033, 2037 & 2048
	3/1/2019	-	413,164	1,836	-	415,000	2021, 2023-2024, 2033, 2037 & 2048
	4/1/2019	-	418,142	1,858	-	420,000	2022-2024, 2033, 2037 & 2048
	5/1/2019	-	338,496	1,504	-	340,000	2023-2024, 2033, 2037 & 2048
	6/1/2019	-	353,430	1,570	-	355,000	2022-2024, 2033, 2037 & 2048
	7/1/2019	-	410,491	4,509	-	415,000	2023-2024, 2033, 2037 & 2048
	8/1/2019	-	134,403	597	-	135,000	2048
	9/1/2019	-	358,407	1,593	-	360,000	2023-2024, 2033, 2037 & 2048
	10/1/2019	-	706,859	3,141	-	710,000	2020-2024, 2033, 2037 & 2048
11/1/2019	-	632,191	2,809	-	635,000	2020, 2022-2024, 2033, 2037 & 2048	
12/1/2019	-	746,682	3,318	-	750,000	2021-2024, 2033, 2037 & 2048	
Total 2018 B		-	5,923,672	31,328	-	5,955,000	

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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2018 C	2/1/2019	\$ -	\$ 39,823	\$ 177	\$ -	\$ 40,000	2023-2024, 2027-2028, 2033 & 2040
	3/1/2019	-	9,956	44	-	10,000	2028 & 2040
	4/1/2019	-	89,602	398	-	90,000	2022-2028, 2033 & 2040
	7/1/2019	-	49,457	543	-	50,000	2023-2028, 2033 & 2040
	8/1/2019	-	64,712	288	-	65,000	2023-2028, 2033 & 2040
	9/1/2019	-	134,403	597	-	135,000	2020-2028, 2033 & 2040
	10/1/2019	-	238,938	1,062	-	240,000	2020-2028, 2033 & 2040
	11/1/2019	-	194,137	863	-	195,000	2020-2028, 2033 & 2040
	12/1/2019	-	253,872	1,128	-	255,000	2020-2028, 2033 & 2040
Total 2018 C		-	1,074,900	5,100	-	1,080,000	
2018 E	5/1/2019	\$ -	\$ 280,000	\$ -	\$ -	\$ 280,000	2027-2030, 2033 & 2049
	7/1/2019	-	155,000	-	-	155,000	2027-2030, 2033 & 2049
	8/1/2019	-	260,000	-	-	260,000	2049
	9/1/2019	-	260,000	-	-	260,000	2049
	10/1/2019	-	260,000	-	-	260,000	2049
	11/1/2019	-	260,000	-	-	260,000	2049
	12/1/2019	-	660,000	-	-	660,000	2026-2030, 2033 & 2049
Total 2018 E		-	2,135,000	-	-	2,135,000	
2018 F	5/1/2019	\$ -	\$ 105,000	\$ -	\$ -	\$ 105,000	2019-2026
	7/1/2019	-	60,000	-	-	60,000	2021-2026
	12/1/2019	-	325,000	-	-	325,000	2020-2026
Total 2018 F		-	165,000	-	-	490,000	
2018 G	5/1/2019	\$ -	\$ 85,000	\$ -	\$ -	\$ 85,000	2028-2029, 2033, 2038 & 2049
	7/1/2019	-	105,000	-	-	105,000	2028-2029, 2033, 2038 & 2049
	8/1/2019	-	10,000	-	-	10,000	2029
	9/1/2019	-	80,000	-	-	80,000	2028-2029, 2033, 2038 & 2049
	10/1/2019	-	10,000	-	-	10,000	2029 & 2049
	11/1/2019	-	85,000	-	-	85,000	2028-2029, 2033, 2038 & 2049
	12/1/2019	-	260,000	-	-	260,000	2025-2029, 2033, 2038 & 2049
Total 2018 G		-	635,000	-	-	635,000	

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Series	Bond Call Date	Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other	Total Bonds Called	Maturity Date(s) of Bond(s) Called
2019 A	10/1/2019	\$ -	\$ 84,580	\$ 420	\$ -	\$ 85,000	2020-2025
	11/1/2019	-	139,309	691	-	140,000	2020-2025
	12/1/2019	-	199,012	988	-	200,000	2020-2025
Total 2019 A		-	223,889	1,111	-	425,000	
2019 B	7/1/2019	\$ -	\$ 165,000	\$ -	\$ -	\$ 165,000	2049
	8/1/2019	-	238,815	1,185	-	240,000	2049
	9/1/2019	-	238,815	1,185	-	240,000	2049
	10/1/2019	-	681,618	3,382	-	685,000	2020-2031, 2033 & 2049
	11/1/2019	-	955,259	4,741	-	960,000	2020-2031, 2033 & 2049
	12/1/2019	-	1,273,679	6,321	-	1,280,000	2020-2031, 2033 & 2049
Total 2019 B		-	3,553,186	16,814	-	3,570,000	
2019 C	8/1/2019	\$ -	\$ 114,432	\$ 568	\$ -	\$ 115,000	2049
	9/1/2019	-	79,605	395	-	80,000	2024-2028, 2034 & 2042
	11/1/2019	-	49,753	247	-	50,000	2026-2028, 2034 & 2042
	12/1/2019	-	218,914	1,086	-	220,000	2020-2029, 2034 & 2042
Total 2019 C		\$ -	\$ 1,086	\$ 2,296	\$ -	\$ 465,000	
Total		\$ -	\$ 585,923,857	\$ 18,217,618	\$ 3,415,216	\$ 608,050,000	

**Residential Housing Finance Bond Resolution
Interest Rate Swaps
Information as of December 31, 2019**



<u>Associated Bond Series</u>	<u>12/31/2019 Notional Amounts</u>	<u>Effective Date</u>	<u>Swap Maturity Date</u>	<u>Fixed Rate Payable</u>	<u>Variable Rate Receivable</u>	<u>12/31/2019 GASB72 Fair Value¹</u>
Counterparty: The Bank of New York Mellon						
Moody's Aa2 (stable outlook) / Standard & Poor's AA- (stable outlook)						
RHFB 2018D	\$ 35,000,000	June 28, 2018	January 1, 2045	3.1875%	70% of 1 month LIBOR ² plus 0.43% per annum	\$ (1,778,772)
RHFB 2019H	43,985,000	September 11, 2019	January 1, 2047	2.1500%	1 month LIBOR ²	\$ 1,492,338
	<u>\$ 78,985,000</u>					<u>\$ (286,435)</u>

**Residential Housing Finance Bond Resolution
Interest Rate Swaps
Information as of December 31, 2019**



<u>Associated Bond Series</u>	<u>12/31/2019 Notional Amounts</u>	<u>Effective Date</u>	<u>Swap Maturity Date</u>	<u>Fixed Rate Payable</u>	<u>Variable Rate Receivable</u>	12/31/2019 GASB72 Fair Value¹
Counterparty: Royal Bank of Canada						
Moody's Aa2 (stable outlook) / Standard & Poor's AA- (stable outlook)						
RHFB 2015D	18,225,000	August 11, 2015	January 1, 2046	2.343%	67% of 1 month LIBOR ²	(497,488)
RHFB 2015G	35,000,000	December 8, 2015	January 1, 2034	1.953%	67% of 1 month LIBOR ²	(702,351)
RHFB 2016F	50,000,000	December 22, 2016	January 1, 2041	2.175%	67% of 1 month LIBOR ²	(1,689,694)
RHFB 2018H	35,000,000	December 12, 2018	July 1, 2041	2.8035%	70% of 1 month LIBOR ²	(2,399,283)
RHFB 2019D	45,000,000	April 11, 2019	January 1, 2042	2.4090%	70% of 1 month LIBOR ²	(2,357,382)
	<u>\$ 183,225,000</u>					<u>\$ (7,646,199)</u>

**Residential Housing Finance Bond Resolution
Interest Rate Swaps
Information as of December 31, 2019**



<u>Associated Bond Series</u>	<u>12/31/2019 Notional Amounts</u>	<u>Effective Date</u>	<u>Swap Maturity Date</u>	<u>Fixed Rate Payable</u>	<u>Variable Rate Receivable</u>	<u>12/31/2019 GASB72 Fair Value¹</u>
Counterparty: Wells Fargo Bank, NA						
Moody's Aa2 (stable outlook) / Standard & Poor's A+(stable outlook)						
RHFB 2017C	40,000,000	January 1, 2019	January 1, 2038	2.180%	67% of 1 month LIBOR ²	(1,525,427)
RHFB 2017F	40,000,000	December 21, 2017	January 1, 2041	2.261%	67% of 1 month LIBOR ²	(1,106,561)
	<u>\$ 80,000,000</u>					<u>\$ (2,631,988)</u>
	<u>\$ 342,210,000</u>					<u>\$ (10,564,621)</u>

¹A positive fair value represents money due to the Agency by the counterparty upon an assumed termination on December 31, 2019. A negative number represents money payable by the Agency. The fair values as of December 31, 2019 were calculated by a consultant engaged by the Agency.

²London Interbank Offered Rate

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2019



Residential Housing Finance Bonds, 2006 Series N

Taxable

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A)
--	7/1/2008	Serial	5.230	\$ 260,000	\$ 260,000	\$ -	\$ -	N/A
--	7/1/2009	Serial	5.190	275,000	275,000	-	-	N/A
--	7/1/2010	Serial	5.200	290,000	290,000	-	-	N/A
--	7/1/2011	Serial	5.270	305,000	300,000	5,000	-	N/A
--	7/1/2012	Serial	5.360	320,000	315,000	5,000	-	N/A
--	7/1/2013	Serial	5.410	335,000	325,000	10,000	-	N/A
--	7/1/2014	Serial	5.460	355,000	335,000	20,000	-	N/A
--	7/1/2015	Serial	5.490	375,000	330,000	45,000	-	N/A
--	7/1/2016	Serial	5.530	390,000	-	390,000	-	N/A
60415NH88	1/1/2037	Term (a)	5.760	15,095,000	70,000	14,680,000	345,000	1
				<u>\$ 18,000,000</u>	<u>\$ 2,500,000</u>	<u>\$ 15,155,000</u>	<u>\$ 345,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments).

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Optional Redemption: In whole or in part, but not in excess of the applicable maximum cumulative amount for each July 1 and January 1 to and including January 1, 2022, on any date during each redemption period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2016 and thereafter - 100%.

(a): Sinking fund redemptions began January 1, 2017.

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**RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2019**



Residential Housing Finance Bonds, 2007 Series M

Taxable

CUSIP**	Maturity Date	Bond Type		Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority
60415NR20	1/1/2038	Pass	Through (a)	6.345	\$ 70,000,000	\$ -	\$ 54,180,000	\$ 15,820,000	None
					\$ 70,000,000	\$ -	\$ 54,180,000	\$ 15,820,000	

(a): 2007 Series M bonds are subject to mandatory redemption, in whole or in part, on each January 1 and July 1, commencing January 1, 2008, from mortgage prepayments and repayments allocable to the 2007 Series M Bonds.

Optional Redemption: 2007 Series M bonds are also subject to redemption at the option of the Agency as a whole, but not in part, on any date on which not greater than \$7,000,000 in aggregate principal amount of 2007 Series M bonds would otherwise remain outstanding at a redemption price equal to the principal amount thereof plus accrued interest.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
 Information as of December 31, 2019



Residential Housing Finance Bonds, 2012 Series A

AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
--	1/1/2013	Serial	0.750	\$ 505,000	\$ 485,000	\$ 20,000	\$ -	N/A
--	7/1/2013	Serial	0.850	2,200,000	2,020,000	180,000	-	N/A
--	1/1/2014	Serial	1.100	2,220,000	1,840,000	380,000	-	N/A
--	7/1/2014	Serial	1.200	2,245,000	1,810,000	435,000	-	N/A
--	1/1/2015	Serial	1.500	2,275,000	1,765,000	510,000	-	N/A
--	7/1/2015	Serial	1.600	2,300,000	1,740,000	560,000	-	N/A
--	1/1/2016	Serial	1.850	2,335,000	1,705,000	630,000	-	N/A
--	7/1/2016	Serial	1.950	2,370,000	1,680,000	690,000	-	N/A
60416SAJ9	1/1/2017	Serial	2.250	2,405,000	1,560,000	845,000	-	N/A
60416SAK6	7/1/2017	Serial	2.350	2,445,000	1,495,000	950,000	-	N/A
60416SAL4	1/1/2018	Serial	2.750	2,485,000	1,425,000	1,060,000	-	N/A
60416SAM2	7/1/2018	Serial	2.850	2,530,000	1,390,000	1,140,000	-	N/A
60416SAN0	1/1/2019	Serial	3.050	2,580,000	1,355,000	1,225,000	-	N/A
60416SAP5	7/1/2019	Serial	3.100	2,630,000	1,280,000	1,350,000	-	N/A
60416SAQ3	1/1/2020	Serial	3.350	2,675,000	-	1,415,000	1,260,000	2
60416SAR1	7/1/2020	Serial	3.400	2,730,000	-	1,460,000	1,270,000	2
60416SAS9	1/1/2021	Serial	3.550	2,790,000	-	1,495,000	1,295,000	2
60416SAT7	7/1/2021	Serial	3.550	2,855,000	-	1,535,000	1,320,000	2
60416SAU4	1/1/2022	Serial	3.750	2,920,000	-	1,570,000	1,350,000	2
60416SAV2	7/1/2022	Serial	3.750	2,990,000	-	1,600,000	1,390,000	2
60416SAW0	1/1/2023	Serial	3.900	2,460,000	-	1,310,000	1,150,000	2
				<u>\$ 50,945,000</u>	<u>\$ 21,550,000</u>	<u>\$ 20,360,000</u>	<u>\$ 9,035,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2012 Series A, 2012 Series B, 2012 Series C and 2012 Series D.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2012 Series D PAC Term bonds maturing July 1, 2040.

Optional Redemption: Bonds with stated maturities on or after July 1, 2022, in whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2022 and thereafter - 100%.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2019



Residential Housing Finance Bonds, 2012 Series B

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SAX8	1/1/2023	Serial	3.300	\$ 605,000	\$ -	\$ 305,000	\$ 300,000	2
60416SAY6	7/1/2023	Serial	3.300	3,135,000	-	1,595,000	1,540,000	2
60416SAZ3	1/1/2024	Serial	3.450	3,215,000	-	1,660,000	1,555,000	2
60416SBA7	7/1/2024	Serial	3.450	1,875,000	-	1,140,000	735,000	2
				<u>\$ 8,830,000</u>	<u>\$ -</u>	<u>\$ 4,700,000</u>	<u>\$ 4,130,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2012 Series A, 2012 Series B, 2012 Series C and 2012 Series D.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2012 Series D PAC Term bonds maturing July 1, 2040.

Optional Redemption: Bonds with stated maturities on or after July 1, 2022, in whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2022 and thereafter - 100%.

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**RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2019**



Residential Housing Finance Bonds, 2012 Series C

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SBB5	7/1/2025	Term (a)	3.625	\$ 8,235,000	\$ -	\$ 4,380,000	\$ 3,855,000	2
60416SBC3	1/1/2029	Term (b)	3.850	22,740,000	-	12,085,000	10,655,000	2
				<u>\$ 30,975,000</u>	<u>\$ -</u>	<u>\$ 16,465,000</u>	<u>\$ 14,510,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2012 Series A, 2012 Series B, 2012 Series C and 2012 Series D.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2012 Series D PAC Term bonds maturing July 1, 2040.

Optional Redemption: Bonds with stated maturities on or after July 1, 2022, in whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2022 and thereafter - 100%.

- (a): Sinking fund redemptions begin July 1, 2024.
- (b): Sinking fund redemptions begin January 1, 2026.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2019



Residential Housing Finance Bonds, 2012 Series D

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SBD1	7/1/2030	Term (a)	3.900	\$ 16,465,000	\$ -	\$ 8,765,000	\$ 7,700,000	2
60416SBE9	7/1/2040	Term (b)	4.000	43,535,000	-	39,070,000	4,465,000	1
				<u>\$ 60,000,000</u>	<u>\$ -</u>	<u>\$ 47,835,000</u>	<u>\$ 12,165,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2012 Series A, 2012 Series B, 2012 Series C and 2012 Series D.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2012 Series D PAC Term bonds maturing July 1, 2040.

Optional Redemption: Bonds with stated maturities on or after July 1, 2022, in whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2022 and thereafter - 100%.

- (a): Sinking fund redemptions begin July 1, 2029.
- (b): Sinking fund redemptions begin January 1, 2031.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2019



Residential Housing Finance Bonds, 2013 Series A

AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
--	1/1/2014	Serial	0.400	\$ 1,310,000	\$ 1,310,000	\$ -	\$ -	N/A
--	7/1/2014	Serial	0.500	1,390,000	1,350,000	40,000	-	N/A
--	1/1/2015	Serial	0.625	1,400,000	1,350,000	50,000	-	N/A
--	7/1/2015	Serial	0.750	1,410,000	1,315,000	95,000	-	N/A
--	1/1/2016	Serial	1.050	1,425,000	1,280,000	145,000	-	N/A
--	7/1/2016	Serial	1.150	550,000	490,000	60,000	-	N/A
60416SBU3	7/1/2031	Term (a)	3.000	25,820,000	-	21,235,000	4,585,000	1
				<u>\$ 33,305,000</u>	<u>\$ 7,095,000</u>	<u>\$ 21,625,000</u>	<u>\$ 4,585,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2013 Series A, 2013 Series B and 2013 Series C.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2013 Series A PAC Term bonds maturing July 1, 2031.

Optional Redemption: Bonds with stated maturities on or after July 1, 2023, in whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2023 and thereafter - 100%.

(a): Sinking fund redemptions begin January 1, 2024.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2019



Residential Housing Finance Bonds, 2013 Series C

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SCJ7	7/1/2019	Serial	1.800	\$ 275,000	\$ 200,000	\$ 75,000	\$ -	N/A
60416SCK4	1/1/2020	Serial	2.000	1,555,000	-	455,000	1,100,000	2
60416SCL2	7/1/2020	Serial	2.100	1,580,000	-	475,000	1,105,000	2
60416SCM0	1/1/2021	Serial	2.300	1,600,000	-	485,000	1,115,000	2
60416SCN8	7/1/2021	Serial	2.350	1,625,000	-	510,000	1,115,000	2
60416SCP3	1/1/2022	Serial	2.550	1,650,000	-	525,000	1,125,000	2
60416SCQ1	7/1/2022	Serial	2.550	1,680,000	-	555,000	1,125,000	2
60416SCR9	1/1/2023	Serial	2.750	1,710,000	-	585,000	1,125,000	2
60416SCS7	7/1/2023	Serial	2.750	1,740,000	-	610,000	1,130,000	2
60416SCT5	7/1/2033	Term (a)	3.600	8,180,000	-	2,610,000	5,570,000	2
60416SCU2	7/1/2038	Term (b)	3.800	11,260,000	-	3,595,000	7,665,000	2
60416SCV0	7/1/2043	Term (c)	3.900	9,455,000	-	3,020,000	6,435,000	2
				<u>\$ 42,310,000</u>	<u>\$ 200,000</u>	<u>\$ 13,500,000</u>	<u>\$ 28,610,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2013 Series A, 2013 Series B and 2013 Series C.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2013 Series A PAC Term bonds maturing July 1, 2031.

Optional Redemption: Bonds with stated maturities on or after July 1, 2023, in whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2023 and thereafter - 100%.

- (a): Sinking fund redemptions begin July 1, 2031.
- (b): Sinking fund redemptions begin January 1, 2034.
- (c): Sinking fund redemptions begin January 1, 2039.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2019



Residential Housing Finance Bonds, 2014 Series A

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Non-AMT		Call Priority (Note A and B)	
					Principal Matured/ Sinking Fund	Principal Redemptions		Principal Outstanding
--	1/1/2015	Serial	0.250	\$ 1,045,000	\$ 1,030,000	\$ 15,000	\$ -	N/A
--	7/1/2015	Serial	0.350	1,110,000	1,070,000	40,000	-	N/A
--	1/1/2016	Serial	0.450	1,175,000	1,020,000	155,000	-	N/A
--	7/1/2016	Serial	0.550	1,235,000	1,040,000	195,000	-	N/A
60416SFE5	1/1/2017	Serial	0.850	1,280,000	935,000	345,000	-	N/A
60416SFF2	7/1/2017	Serial	0.950	1,270,000	855,000	415,000	-	N/A
60416SFG0	1/1/2018	Serial	1.250	1,260,000	725,000	535,000	-	N/A
60416SFH8	7/1/2018	Serial	1.350	1,245,000	700,000	545,000	-	N/A
60416SFJ4	1/1/2019	Serial	1.650	1,235,000	565,000	670,000	-	N/A
60416SFK1	7/1/2019	Serial	1.750	1,230,000	415,000	815,000	-	N/A
60416SFL9	1/1/2020	Serial	2.100	1,220,000	-	940,000	280,000	2
60416SFM7	7/1/2020	Serial	2.200	1,215,000	-	935,000	280,000	2
60416SFN5	1/1/2021	Serial	2.500	1,210,000	-	930,000	280,000	2
60416SFP0	7/1/2021	Serial	2.600	1,205,000	-	925,000	280,000	2
60416SFQ8	1/1/2022	Serial	2.800	1,200,000	-	920,000	280,000	2
60416SFR6	7/1/2022	Serial	2.900	1,200,000	-	920,000	280,000	2
60416SFS4	1/1/2023	Serial	3.050	1,200,000	-	920,000	280,000	2
60416SFT2	7/1/2023	Serial	3.100	1,200,000	-	920,000	280,000	2
60416SFU9	1/1/2024	Serial	3.300	1,200,000	-	920,000	280,000	2
60416SFV5	7/1/2024	Serial	3.350	1,200,000	-	920,000	280,000	2
60416SFX3	1/1/2027	Term (a)	3.750	5,095,000	-	3,930,000	1,165,000	2
60416SFV7	7/1/2038	Term (b)	4.000	20,770,000	-	13,195,000	7,575,000	1
				<u>\$ 50,000,000</u>	<u>\$ 8,355,000</u>	<u>\$ 30,105,000</u>	<u>\$ 11,540,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2014 Series A.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2014 Series A PAC Term bonds maturing July 1, 2038.

Optional Redemption: Bonds with stated maturities on or after July 1, 2024, in whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2024 and thereafter - 100%.

(a): Sinking fund redemptions begin January 1, 2025.

(b): Sinking fund redemptions begin January 1, 2027.

** CUSIP numbers have been assigned by an organization not affiliated with Minnesota Housing and are included for convenience. Minnesota Housing is not responsible for the selection or uses of these CUSIP numbers, nor is any representation made as to their correctness on the Bonds or as indicated above. A CUSIP number for a specific maturity may be changed after the issuance date. CUSIP © is a registered trademark of the American Bankers Association.

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
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Residential Housing Finance Bonds, 2014 Series B

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Non-AMT		Call Priority (Note A and B)	
					Principal Matured/ Sinking Fund	Principal Redemptions		Principal Outstanding
--	1/1/2015	Serial	0.200	\$ 735,000	\$ 735,000	\$ -	\$ -	N/A
--	7/1/2015	Serial	0.300	1,140,000	1,125,000	15,000	-	N/A
--	1/1/2016	Serial	0.450	1,200,000	1,120,000	80,000	-	N/A
--	7/1/2016	Serial	0.500	1,240,000	1,095,000	145,000	-	N/A
60416SGC8	1/1/2017	Serial	0.850	1,255,000	1,010,000	245,000	-	N/A
60416SGD6	7/1/2017	Serial	0.950	1,240,000	905,000	335,000	-	N/A
60416SGE4	1/1/2018	Serial	1.200	1,230,000	770,000	460,000	-	N/A
60416SGF1	7/1/2018	Serial	1.350	1,220,000	665,000	555,000	-	N/A
60416SGG9	1/1/2019	Serial	1.600	1,210,000	480,000	730,000	-	N/A
60416SGH7	7/1/2019	Serial	1.700	1,205,000	305,000	900,000	-	N/A
60416SGJ3	1/1/2020	Serial	2.000	1,195,000	-	1,040,000	155,000	2
60416SGK0	7/1/2020	Serial	2.100	1,195,000	-	1,040,000	155,000	2
60416SGL8	1/1/2021	Serial	2.350	1,190,000	-	1,035,000	155,000	2
60416SGM6	7/1/2021	Serial	2.450	1,185,000	-	1,030,000	155,000	2
60416SGN4	1/1/2022	Serial	2.700	1,185,000	-	1,030,000	155,000	2
60416SGP9	7/1/2022	Serial	2.750	1,185,000	-	1,025,000	160,000	2
60416SGQ7	1/1/2023	Serial	2.950	1,185,000	-	1,025,000	160,000	2
60416SGR5	7/1/2023	Serial	2.950	1,185,000	-	1,025,000	160,000	2
60416SGS3	1/1/2024	Serial	3.050	1,190,000	-	1,030,000	160,000	2
60416SGT1	7/1/2024	Serial	3.050	1,190,000	-	1,030,000	160,000	2
60416SGW4	1/1/2025	Serial	3.200	1,195,000	-	1,035,000	160,000	2
60416SGX2	7/1/2025	Serial	3.200	1,200,000	-	1,040,000	160,000	2
60416SGY0	1/1/2026	Serial	3.350	1,205,000	-	1,045,000	160,000	2
60416SGU8	7/1/2026	Serial	3.350	380,000	-	335,000	45,000	2
60416SGV6	1/1/2038	Term (a)	4.000	22,460,000	-	14,030,000	8,430,000	1
				\$ 50,000,000	\$ 8,210,000	\$ 31,260,000	\$ 10,530,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2014 Series B.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2014 Series B PAC Term bonds maturing January 1, 2038.

Optional Redemption: Bonds with stated maturities on or after July 1, 2024, in whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2024 and thereafter - 100%.

(a): Sinking fund redemptions begin July 1, 2026.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
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Residential Housing Finance Bonds, 2014 Series C

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	AMT		Call Priority (Note A and B)	
					Principal Matured/ Sinking Fund	Principal Redemptions		
--	7/1/2015	Serial	0.350	\$ 3,315,000	\$ 3,215,000	\$ 100,000	-	N/A
--	1/1/2016	Serial	0.500	3,380,000	3,090,000	290,000	-	N/A
--	7/1/2016	Serial	0.600	3,120,000	2,760,000	360,000	-	N/A
60416SHD5	1/1/2017	Serial	0.950	3,215,000	2,630,000	585,000	-	N/A
60416SHE3	7/1/2017	Serial	1.050	3,300,000	2,565,000	735,000	-	N/A
60416SHF0	1/1/2018	Serial	1.300	3,350,000	2,465,000	885,000	-	N/A
60416SHG8	7/1/2018	Serial	1.400	3,400,000	2,415,000	985,000	-	N/A
60416SHH6	1/1/2019	Serial	1.700	3,460,000	2,345,000	1,115,000	-	N/A
60416SHJ2	7/1/2019	Serial	1.800	3,510,000	2,265,000	1,245,000	-	N/A
60416SHK9	1/1/2020	Serial	2.050	3,560,000	-	1,375,000	2,185,000	2
60416SHL7	7/1/2020	Serial	2.150	665,000	-	255,000	410,000	2
60416SHQ6	7/1/2022	Serial	2.900	3,900,000	-	1,500,000	2,400,000	2
60416SHR4	1/1/2023	Serial	3.000	3,970,000	-	1,520,000	2,450,000	2
60416SHS2	7/1/2023	Serial	3.050	4,060,000	-	1,555,000	2,505,000	2
60416SHT0	1/1/2024	Serial	3.125	4,145,000	-	1,590,000	2,555,000	2
60416SHU7	7/1/2024	Serial	3.125	4,240,000	-	1,625,000	2,615,000	2
60416SHV5	1/1/2025	Serial	3.200	4,330,000	-	1,660,000	2,670,000	2
60416SHX1	1/1/2045	Term (a)	4.000	84,225,000	-	47,015,000	37,210,000	1
				\$ 143,145,000	\$ 23,750,000	\$ 64,395,000	\$ 55,000,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2014 Series C, 2014 Series D and 2014 Series E.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2014 Series C PAC Term bonds maturing January 1, 2045.

Optional Redemption: Bonds with stated maturities on or after January 1, 2025, in whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: July 1, 2024 and thereafter - 100%.

(a): Sinking fund redemptions begin July 1, 2032.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
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Residential Housing Finance Bonds, 2014 Series D

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SHZ6	7/1/2025	Serial	3.000	\$ 4,425,000	\$ -	\$ 1,685,000	\$ 2,740,000	2
60416SHY9	1/1/2026	Serial	3.100	2,160,000	-	825,000	1,335,000	2
				<u>\$ 6,585,000</u>	<u>\$ -</u>	<u>\$ 2,510,000</u>	<u>\$ 4,075,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2014 Series C, 2014 Series D and 2014 Series E.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2014 Series C PAC Term bonds maturing January 1, 2045.

Optional Redemption: Bonds with stated maturities on or after January 1, 2025, in whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: July 1, 2024 and thereafter - 100%.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
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Residential Housing Finance Bonds, 2014 Series E

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SHM5	7/1/2020	Serial	2.000	\$ 2,955,000	\$ -	\$ 1,145,000	\$ 1,810,000	2
60416SHN3	1/1/2021	Serial	2.200	3,660,000	-	1,395,000	2,265,000	2
60416SHP8	7/1/2021	Serial	2.300	3,720,000	-	1,435,000	2,285,000	2
60416SHW3	1/1/2022	Serial	2.600	3,815,000	-	1,470,000	2,345,000	2
60416SJC5	1/1/2026	Serial	3.100	2,375,000	-	910,000	1,465,000	2
60416SJD3	7/1/2026	Serial	3.100	4,580,000	-	1,750,000	2,830,000	2
60416SJA9	7/1/2029	Term (a)	3.350	29,485,000	-	11,300,000	18,185,000	2
60416SJB7	1/1/2032	Term (b)	3.500	25,410,000	-	9,745,000	15,665,000	2
				\$ 76,000,000	\$ -	\$ 29,150,000	\$ 46,850,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2014 Series C, 2014 Series D and 2014 Series E.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2014 Series C PAC Term bonds maturing January 1, 2045.

Optional Redemption: Bonds with stated maturities on or after January 1, 2025, in whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: July 1, 2024 and thereafter - 100%.

- (a): Sinking fund redemptions begin January 1, 2027.
- (b): Sinking fund redemptions begin January 1, 2030.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
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Residential Housing Finance Bonds, 2015 Series A

AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SKD1	1/1/2041	Term(a)	4.000	\$ 43,070,000	\$ -	\$ 23,305,000	\$ 19,765,000	1
				\$ 43,070,000	\$ -	\$ 23,305,000	\$ 19,765,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2015 Series A, 2015 Series B, 2015 Series C and 2015 Series D.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2015 Series A PAC Term bonds maturing January 1, 2041.

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2025 and thereafter - 100%.

(a): Sinking fund redemptions begin July 1, 2031.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
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Residential Housing Finance Bonds, 2015 Series C

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
--	7/1/2016	Serial	0.400	\$ 1,390,000	\$ 1,340,000	\$ 50,000	\$ -	N/A
60416SKH2	1/1/2017	Serial	0.625	1,575,000	1,360,000	215,000	-	N/A
60416SKJ8	7/1/2017	Serial	0.800	1,590,000	1,305,000	285,000	-	N/A
60416SKK5	1/1/2018	Serial	1.100	1,605,000	1,165,000	440,000	-	N/A
60416SKL3	7/1/2018	Serial	1.200	1,625,000	1,140,000	485,000	-	N/A
60416SKM1	1/1/2019	Serial	1.350	1,645,000	1,065,000	580,000	-	N/A
60416SKN9	7/1/2019	Serial	1.450	1,665,000	1,010,000	655,000	-	N/A
60416SKP4	1/1/2020	Serial	1.700	1,690,000	-	725,000	965,000	2
60416SKQ2	7/1/2020	Serial	1.800	1,715,000	-	735,000	980,000	2
60416SKR0	1/1/2021	Serial	2.050	1,740,000	-	745,000	995,000	2
60416SKS8	7/1/2021	Serial	2.100	1,765,000	-	750,000	1,015,000	2
60416SKT6	1/1/2022	Serial	2.350	1,790,000	-	750,000	1,040,000	2
60416SKU3	7/1/2022	Serial	2.400	1,820,000	-	775,000	1,045,000	2
60416SKV1	1/1/2023	Serial	2.55	1,855,000	-	790,000	1,065,000	2
60416SKW9	7/1/2023	Serial	2.60	1,890,000	-	805,000	1,085,000	2
60416SKX7	1/1/2024	Serial	2.75	1,930,000	-	815,000	1,115,000	2
60416SKY5	7/1/2024	Serial	2.80	1,965,000	-	835,000	1,130,000	2
60416SKZ2	1/1/2025	Serial	2.90	2,005,000	-	845,000	1,160,000	2
60416SLA6	7/1/2025	Serial	2.95	2,050,000	-	865,000	1,185,000	2
60416SLB4	1/1/2026	Serial	3.05	2,090,000	-	900,000	1,190,000	2
60416SLC2	7/1/2026	Serial	3.10	2,135,000	-	925,000	1,210,000	2
60416SLD0	7/1/2031	Term(a)	3.60	24,245,000	-	10,320,000	13,925,000	2
				\$ 61,780,000	\$ 8,385,000	\$ 24,290,000	\$ 29,105,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2015 Series A, 2015 Series B, 2015 Series C and 2015 Series D.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2015 Series A PAC Term bonds maturing January 1, 2041.

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2025 and thereafter - 100%.

(a): Sinking fund redemptions begin January 1, 2027

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**RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
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Residential Housing Finance Bonds, 2015 Series D

AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SLE8	1/1/2046	Term (a)	Variable*	\$ 18,225,000	\$ -	\$ -	\$ 18,225,000	2
				<u>\$ 18,225,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 18,225,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2015 Series A, 2015 Series B, 2015 Series C and 2015 Series D.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2015 Series A PAC Term bonds maturing January 1, 2041.

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: August 12, 2015 and thereafter - 100%.

(a): Sinking fund redemptions begin January 1, 2041.

*Interest on the bonds is adjusted weekly and is determined by a remarketing agent based on market conditions. The interest rate on December 31, 2019 was 1.63%.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
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Residential Housing Finance Bonds, 2015 Series E

AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
--	7/1/2016	Serial	0.600	\$ 1,800,000	\$ 1,790,000	\$ 10,000	\$ -	N/A
60416SML1	1/1/2017	Serial	1.000	2,220,000	2,035,000	\$ 185,000	-	2
60416SMM9	7/1/2017	Serial	1.110	2,240,000	1,840,000	\$ 400,000	-	2
60416SMN7	1/1/2018	Serial	1.250	2,270,000	1,660,000	\$ 610,000	-	2
60416SMP2	7/1/2018	Serial	1.350	2,295,000	1,610,000	\$ 685,000	-	2
60416SMQ0	1/1/2019	Serial	1.650	2,325,000	1,450,000	\$ 875,000	-	2
60416SMR8	7/1/2019	Serial	1.750	2,360,000	1,350,000	\$ 1,010,000	-	2
60416SMS6	1/1/2020	Serial	1.900	2,395,000	-	\$ 1,170,000	1,225,000	2
60416SMT4	7/1/2020	Serial	2.000	2,435,000	-	\$ 1,180,000	1,255,000	2
60416SMU1	1/1/2021	Serial	2.150	2,475,000	-	\$ 1,200,000	1,275,000	2
60416SMV9	7/1/2021	Serial	2.250	2,515,000	-	\$ 1,220,000	1,295,000	2
60416SMW7	1/1/2022	Serial	2.350	2,560,000	-	\$ 1,250,000	1,310,000	2
60416SMX5	7/1/2022	Serial	2.450	2,610,000	-	\$ 1,270,000	1,340,000	2
60416SMY3	1/1/2023	Serial	2.650	1,930,000	-	\$ 940,000	990,000	2
60416SMZ0	1/1/2046	Term(a)	3.500	64,500,000	-	\$ 31,175,000	33,325,000	1
				\$ 96,930,000	\$ 11,735,000	\$ 43,180,000	\$ 42,015,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2015 Series E, 2015 Series F and 2015 Series G.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2015 Series E PAC Term bonds maturing January 1, 2046.

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: July 1, 2025 and thereafter - 100%.

(a): Sinking fund redemptions begin January 1, 2034.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
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Residential Housing Finance Bonds, 2015 Series F

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SNA4	1/1/2023	Serial	2.350	\$ 730,000	\$ -	\$ 355,000	\$ 375,000	2
60416SNB2	7/1/2023	Serial	2.400	2,715,000	-	1,310,000	1,405,000	2
60416SNC0	1/1/2024	Serial	2.600	2,770,000	-	1,340,000	1,430,000	2
60416SND8	7/1/2024	Serial	2.650	2,830,000	-	1,370,000	1,460,000	2
60416SNE6	1/1/2025	Serial	2.750	2,890,000	-	1,405,000	1,485,000	2
60416SNF3	7/1/2025	Serial	2.800	2,955,000	-	1,430,000	1,525,000	2
60416SNG1	1/1/2026	Serial	2.900	3,020,000	-	1,465,000	1,555,000	2
60416SNJ5	7/1/2026	Serial	2.950	3,090,000	-	1,505,000	1,585,000	2
60416SNH9	7/1/2029	Term(a)	3.300	18,515,000	-	8,960,000	9,555,000	2
				\$ 39,515,000	\$ -	\$ 19,140,000	\$ 20,375,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2015 Series E, 2015 Series F and 2015 Series G.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2015 Series E PAC Term bonds maturing January 1, 2046.

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: July 1, 2025 and thereafter - 100%.

(a): Sinking fund redemptions begin January 1, 2027.

** CUSIP numbers have been assigned by an organization not affiliated with Minnesota Housing and are included for convenience. Minnesota Housing is not responsible for the selection or uses of these CUSIP numbers, nor is any representation made as to their correctness on the Bonds or as indicated above. A CUSIP number for a specific maturity may be changed after the issuance date. CUSIP © is a registered trademark of the American Bankers Association.

**RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
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Residential Housing Finance Bonds, 2015 Series G

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SMG2	1/1/2034	Term (a)	Variable	\$ 35,000,000	\$ -	\$ -	\$ 35,000,000	2
				<u>\$ 35,000,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 35,000,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2015 Series E, 2015 Series F and 2015 Series G.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2015 Series E PAC Term bonds maturing January 1, 2046.

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: December 9, 2015 and thereafter - 100%.

(a): Sinking fund redemptions begin July 1, 2029.

*Interest on the bonds is adjusted weekly and is determined by a remarketing agent based on market conditions. The interest rate on December 31, 2019 was 1.58%.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
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Residential Housing Finance Bonds, 2016 Series A

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	AMT		Principal Outstanding	Call Priority (Note A and B)
					Principal Matured/ Sinking Fund	Principal Redemptions		
60416SNM8	1/1/2017	Serial	0.850	\$ 695,000	\$ 660,000	\$ 35,000	\$ -	2
60416SNN6	7/1/2017	Serial	0.950	1,125,000	980,000	145,000	-	2
60416SNP1	1/1/2018	Serial	1.050	1,140,000	940,000	200,000	-	2
60416SNQ9	7/1/2018	Serial	1.100	1,145,000	910,000	235,000	-	2
60416SNR7	1/1/2019	Serial	1.250	1,590,000	1,185,000	405,000	-	2
60416SNS5	7/1/2019	Serial	1.300	1,600,000	1,140,000	460,000	-	2
60416SNT3	1/1/2020	Serial	1.500	1,625,000	-	530,000	1,095,000	2
60416SNU0	7/1/2020	Serial	1.550	1,650,000	-	535,000	1,115,000	2
60416SNV8	1/1/2021	Serial	1.700	1,670,000	-	555,000	1,115,000	2
60416SNW6	7/1/2021	Serial	1.750	1,700,000	-	560,000	1,140,000	2
60416SNX4	1/1/2022	Serial	1.950	1,725,000	-	560,000	1,165,000	2
60416SNY2	7/1/2022	Serial	2.000	1,750,000	-	580,000	1,170,000	2
60416SNZ9	1/1/2023	Serial	2.100	1,790,000	-	590,000	1,200,000	2
60416SPA2	7/1/2023	Serial	2.150	1,820,000	-	620,000	1,200,000	2
60416SPB0	1/1/2024	Serial	2.250	1,845,000	-	625,000	1,220,000	2
60416SPC8	7/1/2024	Serial	2.300	1,885,000	-	625,000	1,260,000	2
60416SPD6	1/1/2025	Serial	2.450	1,920,000	-	645,000	1,275,000	2
60416SPE4	7/1/2025	Serial	2.500	1,960,000	-	665,000	1,295,000	2
60416SPF1	1/1/2026	Serial	2.650	1,995,000	-	670,000	1,325,000	2
60416SPG9	7/1/2026	Serial	2.700	2,040,000	-	690,000	1,350,000	2
60416SPH7	7/1/2031	Term (a)	3.100	23,180,000	-	7,725,000	15,455,000	2
60416SPJ3	1/1/2033	Term (b)	3.200	7,285,000	-	2,420,000	4,865,000	2
				\$ 63,135,000	\$ 5,815,000	\$ 20,075,000	\$ 37,245,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues constituting Tax-Exempt Receipts of 2016 Series A, 2016 Series B and 2016 Series C.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called from Tax-Exempt Receipts after satisfying the cumulative redemption schedule requirements for the 2016 Series B PAC Term bonds maturing July 1, 2046. See "Section Q – Summary of Special Redemption Provisions".

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: July 1, 2025 and thereafter - 100%.

- (a): Sinking fund redemptions begin January 1, 2027.
- (b): Sinking fund redemptions begin January 1, 2032.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
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Residential Housing Finance Bonds, 2016 Series B

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SPK0	7/1/2035	Term (a)	3.100	\$ 15,680,000	\$ -	\$ 5,225,000	\$ 10,455,000	2
60416SPL8	1/1/2037	Term (b)	3.150	9,850,000	-	3,280,000	6,570,000	2
60416SPM6	7/1/2046	Term (c)	3.500	49,455,000	-	22,800,000	26,655,000	1
				<u>\$ 74,985,000</u>	<u>\$ -</u>	<u>\$ 31,305,000</u>	<u>\$ 43,680,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues constituting Tax-Exempt Receipts of 2016 Series A, 2016 Series B and 2016 Series C.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called from Tax-Exempt Receipts after satisfying the cumulative redemption schedule requirements for the 2016 Series B PAC Term bonds maturing July 1, 2046. See "Section Q – Summary of Special Redemption Provisions".

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: July 1, 2025 and thereafter - 100%.

- (a): Sinking fund redemptions begin January 1, 2033.
- (b): Sinking fund redemptions begin January 1, 2036.
- (c): Sinking fund redemptions begin July 1, 2037.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
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Residential Housing Finance Bonds, 2016 Series C

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Taxable		Call Priority (Note A and B)	
					Principal Matured/ Sinking Fund	Principal Redemptions		Principal Outstanding
60416SPN4	1/1/2017	Serial	1.200	\$ 600,000	\$ 540,000	\$ 60,000	\$ -	2
60416SPP9	1/1/2018	Serial	1.550	1,200,000	900,000	300,000	-	2
60416SPQ7	1/1/2019	Serial	1.850	815,000	505,000	310,000	-	2
60416SPR5	1/1/2020	Serial	2.200	425,000	-	165,000	260,000	2
60416SPS3	1/1/2021	Serial	2.450	450,000	-	185,000	265,000	2
60416SPT1	1/1/2022	Serial	2.700	470,000	-	205,000	265,000	2
60416SPU8	1/1/2023	Serial	2.900	500,000	-	235,000	265,000	2
60416SPV6	1/1/2024	Serial	3.050	530,000	-	255,000	275,000	2
60416SPW4	1/1/2025	Serial	3.250	560,000	-	280,000	280,000	2
60416SPX2	1/1/2026	Serial	3.350	590,000	-	310,000	280,000	2
60416SPY0	7/1/2031	Term (a)	3.800	3,900,000	-	1,825,000	2,075,000	2
60416SPZ7	7/1/2037	Term (b)	4.200	5,550,000	-	2,625,000	2,925,000	2
				<u>\$ 15,590,000</u>	<u>\$ 1,945,000</u>	<u>\$ 6,755,000</u>	<u>\$ 6,890,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues constituting Tax-Exempt Receipts of 2016 Series A, 2016 Series B and 2016 Series C.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called from Tax-Exempt Receipts after satisfying the cumulative redemption schedule requirements for the 2016 Series B PAC Term bonds maturing July 1, 2046. See "Section Q – Summary of Special Redemption Provisions".

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: July 1, 2025 and thereafter - 100%.

- (a): Sinking fund redemptions begin July 1, 2026.
- (b): Sinking fund redemptions begin January 1, 2032.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
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Residential Housing Finance Bonds, 2016 Series D

AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SSD3	7/1/2017	Serial	1.300	\$ 1,425,000	\$ 1,390,000	\$ 35,000	\$ -	2
60416SSE1	1/1/2018	Serial	1.400	1,580,000	1,450,000	130,000	-	2
60416SSF8	7/1/2018	Serial	1.500	1,600,000	1,415,000	185,000	-	2
60416SSG6	1/1/2019	Serial	1.800	1,615,000	1,330,000	285,000	-	2
60416SSH4	7/1/2019	Serial	1.900	1,640,000	1,300,000	340,000	-	2
60416SSJ0	1/1/2020	Serial	2.050	1,665,000	-	490,000	1,175,000	2
60416SSK7	7/1/2020	Serial	2.150	1,690,000	-	510,000	1,180,000	2
60416SSL5	1/1/2021	Serial	2.300	125,000	-	25,000	100,000	2
				\$ 11,340,000	\$ 6,885,000	\$ 2,000,000	\$ 2,455,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2016 Series D, 2016 Series E and 2016 Series F.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2016 Series E PAC Term bonds maturing January 1, 2047.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
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Residential Housing Finance Bonds, 2016 Series E

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SSM3	1/1/2021	Serial	2.000	\$ 1,590,000	\$ -	\$ 460,000	\$ 1,130,000	2
60416SSN1	7/1/2021	Serial	2.100	1,745,000	-	495,000	1,250,000	2
60416SSP6	1/1/2022	Serial	2.300	1,775,000	-	510,000	1,265,000	2
60416SSQ4	7/1/2022	Serial	2.400	1,810,000	-	530,000	1,280,000	2
60416SSR2	1/1/2023	Serial	2.500	1,840,000	-	530,000	1,310,000	2
60416SSS0	7/1/2023	Serial	2.600	1,875,000	-	540,000	1,335,000	2
60416SST8	1/1/2024	Serial	2.700	1,915,000	-	550,000	1,365,000	2
60416SSU5	7/1/2024	Serial	2.800	1,955,000	-	560,000	1,395,000	2
60416SSV3	1/1/2025	Serial	2.900	1,995,000	-	575,000	1,420,000	2
60416SSW1	7/1/2025	Serial	2.950	2,040,000	-	585,000	1,455,000	2
60416SSX9	1/1/2026	Serial	3.050	2,085,000	-	600,000	1,485,000	2
60416SSY7	7/1/2026	Serial	3.100	2,130,000	-	605,000	1,525,000	2
60416SSZ4	1/1/2027	Serial	3.200	2,175,000	-	630,000	1,545,000	2
60416STA8	7/1/2027	Serial	3.250	2,225,000	-	640,000	1,585,000	2
60416STB6	1/1/2031	Term(a)	3.700	14,320,000	-	4,125,000	10,195,000	2
60416STC4	1/1/2047	Term (b)	4.000	33,530,000	-	13,270,000	20,260,000	1
				<u>\$ 75,005,000</u>	<u>\$ -</u>	<u>\$ 25,205,000</u>	<u>\$ 49,800,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2016 Series D, 2016 Series E and 2016 Series F.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2016 Series E PAC Term bonds maturing January 1, 2047.

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: July 1, 2026 and thereafter - 100%.

- (a): Sinking fund redemptions begin January 1, 2028.
- (b): Sinking fund redemptions begin July 1, 2041.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
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Residential Housing Finance Bonds, 2016 Series F

CUSIP**	Maturity Date	Bond Type	Interest Rate	AMT			Call Priority (Note A and B)	
				Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions		Principal Outstanding
60416SSB7	1/1/2041	Term(a)	Variable*	\$ 50,000,000	\$ -	\$ -	\$ 50,000,000	2
				\$ 50,000,000	\$ -	\$ -	\$ 50,000,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2016 Series D, 2016 Series E and 2016 Series F.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2016 Series E PAC Term bonds maturing January 1, 2047.

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: December 23, 2016 and thereafter - 100%.

*Interest on the bonds is adjusted weekly and is determined by a remarketing agent based on market conditions. The interest rate on December 31, 2019 was 1.63%.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
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Residential Housing Finance Bonds, 2017 Series A

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	AMT		Call Priority (Note A and B)	
					Principal Matured/ Sinking Fund	Principal Redemptions		
60416STE0	1/1/2018	Serial	1.000	\$ 495,000	\$ 440,000	\$ 55,000	\$ -	2
60416STF7	7/1/2018	Serial	1.100	1,500,000	1,280,000	\$ 220,000	-	2
60416STG5	1/1/2019	Serial	1.350	1,515,000	1,140,000	\$ 375,000	-	2
60416STH3	7/1/2019	Serial	1.400	1,530,000	1,085,000	\$ 445,000	-	2
60416STJ9	1/1/2020	Serial	1.500	1,550,000	-	\$ 580,000	970,000	2
60416STK6	7/1/2020	Serial	1.550	1,570,000	-	\$ 585,000	985,000	2
60416STL4	1/1/2021	Serial	1.700	1,590,000	-	\$ 595,000	995,000	2
60416STM2	7/1/2021	Serial	1.750	1,610,000	-	\$ 595,000	1,015,000	2
60416STN0	1/1/2022	Serial	1.900	1,630,000	-	\$ 600,000	1,030,000	2
60416STP5	7/1/2022	Serial	1.950	1,655,000	-	\$ 615,000	1,040,000	2
60416STQ3	1/1/2023	Serial	2.100	1,680,000	-	\$ 620,000	1,060,000	2
60416STR1	7/1/2023	Serial	2.150	1,705,000	-	\$ 630,000	1,075,000	2
60416STS9	1/1/2024	Serial	2.250	1,730,000	-	\$ 640,000	1,090,000	2
60416STT7	7/1/2024	Serial	2.300	1,760,000	-	\$ 655,000	1,105,000	2
60416STU4	1/1/2025	Serial	2.450	1,790,000	-	\$ 665,000	1,125,000	2
60416STV2	7/1/2025	Serial	2.500	1,820,000	-	\$ 665,000	1,155,000	2
60416STW0	1/1/2026	Serial	2.650	1,855,000	-	\$ 680,000	1,175,000	2
60416STX8	7/1/2026	Serial	2.700	1,890,000	-	\$ 695,000	1,195,000	2
60416STY6	1/1/2027	Serial	2.800	1,925,000	-	\$ 710,000	1,215,000	2
60416STZ3	7/1/2027	Serial	2.850	1,965,000	-	\$ 735,000	1,230,000	2
60416SUA6	7/1/2030	Term(a)	3.200	10,690,000	-	\$ 3,955,000	6,735,000	2
				\$ 43,455,000	\$ 3,945,000	\$ 15,315,000	\$ 24,195,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2017 Series A, 2017 Series B and 2017 Series C.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2017 Series B PAC Term bonds maturing July 1, 2047.

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2027 and thereafter - 100%.

(a): Sinking fund redemptions begin January 1, 2028.

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Residential Housing Finance Bonds, 2017 Series B

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SUB4	7/1/2038	Term(a)	3.400	\$ 3,730,000	\$ -	\$ 1,385,000	\$ 2,345,000	2
60416SUC2	7/1/2047	Term (b)	4.000	33,660,000	-	9,060,000	24,600,000	1
				<u>\$ 37,390,000</u>	<u>\$ -</u>	<u>\$ 10,445,000</u>	<u>\$ 26,945,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2017 Series A, 2017 Series B and 2017 Series C.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2017 Series B PAC Term bonds maturing July 1, 2047.

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2027 and thereafter - 100%.

- (a): Sinking fund redemptions begin January 1, 2038.
- (b): Sinking fund redemptions begin July 1, 2038.

** CUSIP numbers have been assigned by an organization not affiliated with Minnesota Housing and are included for convenience. Minnesota Housing is not responsible for the selection or uses of these CUSIP numbers, nor is any representation made as to their correctness on the Bonds or as indicated above. A CUSIP number for a specific maturity may be changed after the issuance date. CUSIP © is a registered trademark of the American Bankers Association.

**RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2019**



Residential Housing Finance Bonds, 2017 Series C

CUSIP**	Maturity Date	Bond Type	Interest Rate	AMT			Call Priority (Note A and B)	
				Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions		Principal Outstanding
60416SUD0	1/1/2038	Term(a)	Variable*	\$ 40,000,000	\$ -	\$ -	\$ 40,000,000	2
				\$ 40,000,000	\$ -	\$ -	\$ 40,000,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2017 Series A, 2017 Series B and 2017 Series C.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2017 Series B PAC Term bonds maturing July 1, 2047.

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: July 20, 2017 and thereafter - 100%.

(a): Sinking fund redemptions begin July 1, 2030.

*Interest on the bonds is adjusted weekly and is determined by a remarketing agent based on market conditions. The interest rate on December 31, 2019 was 1.63%.

** CUSIP numbers have been assigned by an organization not affiliated with Minnesota Housing and are included for convenience. Minnesota Housing is not responsible for the selection or uses of these CUSIP numbers, nor is any representation made as to their correctness on the Bonds or as indicated above. A CUSIP number for a specific maturity may be changed after the issuance date. CUSIP © is a registered trademark of the American Bankers Association.

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2019



Residential Housing Finance Bonds, 2017 Series D

AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SVE7	7/1/2018	Serial	1.450	\$ 1,250,000	\$ 1,230,000.00	\$ 20,000	\$ -	2
60416SVF4	1/1/2019	Serial	1.700	1,495,000	1,415,000.00	80,000	-	2
60416SVG2	7/1/2019	Serial	1.800	1,510,000	1,390,000.00	120,000	-	2
60416SVH0	1/1/2020	Serial	2.000	1,530,000	-	210,000	1,320,000	2
60416SVJ6	7/1/2020	Serial	2.050	1,550,000	-	220,000	1,330,000	2
60416SVK3	1/1/2021	Serial	2.200	1,575,000	-	220,000	1,355,000	2
60416SVL1	7/1/2021	Serial	2.250	1,595,000	-	225,000	1,370,000	2
60416SVM9	1/1/2022	Serial	2.350	1,620,000	-	230,000	1,390,000	2
60416SVN7	7/1/2022	Serial	2.400	1,645,000	-	230,000	1,415,000	2
60416SVP2	1/1/2023	Serial	2.450	1,670,000	-	235,000	1,435,000	2
60416SVQ0	7/1/2023	Serial	2.500	1,695,000	-	235,000	1,460,000	2
60416SVR8	1/1/2024	Serial	2.550	1,725,000	-	235,000	1,490,000	2
60416SVS6	7/1/2024	Serial	2.600	1,750,000	-	235,000	1,515,000	2
60416SVT4	1/1/2025	Serial	2.750	1,780,000	-	235,000	1,545,000	2
60416SVU1	7/1/2025	Serial	2.800	1,810,000	-	250,000	1,560,000	2
60416SVV9	1/1/2026	Serial	2.900	1,845,000	-	255,000	1,590,000	2
60416SVW7	7/1/2026	Serial	2.900	1,875,000	-	260,000	1,615,000	2
60416SVX5	1/1/2027	Serial	2.950	1,910,000	-	265,000	1,645,000	2
60416SVY3	7/1/2027	Serial	3.000	1,950,000	-	270,000	1,680,000	2
60416SVZ0	1/1/2028	Serial	3.100	1,985,000	-	290,000	1,695,000	2
60416SWA4	7/1/2028	Serial	3.150	2,025,000	-	290,000	1,735,000	2
60416SWB2	1/1/2030	Term(a)	3.300	5,355,000	-	750,000	4,605,000	2
				\$ 41,145,000	\$ 4,035,000.00	\$ 5,360,000	\$ 31,750,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2017 Series D, 2017 Series E and 2017 Series F.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2017 Series E PAC Term bonds maturing January 1, 2048.

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2027 and thereafter - 100%.

(a): Sinking fund redemptions begin January 1, 2029.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2019



Residential Housing Finance Bonds, 2017 Series E

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SWC0	1/1/2034	Term(a)	3.300	\$ 19,235,000	\$ -	\$ 2,685,000	\$ 16,550,000	2
60416SWD8	1/1/2048	Term (b)	4.000	43,840,000	-	7,050,000	36,790,000	1
				<u>\$ 63,075,000</u>	<u>\$ -</u>	<u>\$ 9,735,000</u>	<u>\$ 53,340,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2017 Series D, 2017 Series E and 2017 Series F.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2017 Series E PAC Term bonds maturing January 1, 2048.

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2027 and thereafter - 100%.

- (a): Sinking fund redemptions begin January 1, 2030.
- (b): Sinking fund redemptions begin July 1, 2038.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2019



Residential Housing Finance Bonds, 2017 Series F

CUSIP**	Maturity Date	Bond Type	Interest Rate	Non-AMT			Call Priority (Note A and B)	
				Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions		Principal Outstanding
60416SWE6	1/1/2041	Term(a)	Variable*	\$ 40,000,000	\$ -	\$ -	40,000,000	2
				<u>\$ 40,000,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>40,000,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2017 Series D, 2017 Series E and 2017 Series F.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2017 Series E PAC Term bonds maturing January 1, 2048.

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: December 22, 2017 and thereafter - 100%.

(a): Sinking fund redemptions begin January 1, 2034.

*Interest on the bonds is adjusted weekly and is determined by a remarketing agent based on market conditions. The interest rate on December 31, 2019 was 1.58%.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
 Information as of December 31, 2019



Residential Housing Finance Bonds, 2018 Series A

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	AMT		Principal Outstanding	Call Priority (Note A and B)
					Principal Matured/ Sinking Fund	Principal Redemptions		
60416SWG1	1/1/2019	Serial	1.800	\$ 380,000	\$ 370,000	\$ 10,000	\$ -	2
60416SWH9	7/1/2019	Serial	1.900	575,000	530,000	45,000	-	2
60416SWJ5	1/1/2020	Serial	2.050	575,000	-	110,000	465,000	2
60416SWK2	7/1/2020	Serial	2.200	585,000	-	120,000	465,000	2
60416SWL0	1/1/2021	Serial	2.350	590,000	-	125,000	465,000	2
60416SWM8	7/1/2021	Serial	2.450	600,000	-	135,000	465,000	2
60416SWN6	1/1/2022	Serial	2.500	610,000	-	140,000	470,000	2
60416SWP1	7/1/2022	Serial	2.550	615,000	-	145,000	470,000	2
60416SWQ9	1/1/2023	Serial	2.650	630,000	-	145,000	485,000	2
60416SWR7	7/1/2023	Serial	2.700	570,000	-	110,000	460,000	2
60416SWS5	1/1/2024	Serial	2.850	550,000	-	110,000	440,000	2
60416SWT3	7/1/2024	Serial	2.900	590,000	-	120,000	470,000	2
60416SWU0	1/1/2025	Serial	3.000	930,000	-	190,000	740,000	2
60416SWV8	7/1/2025	Serial	3.050	950,000	-	190,000	760,000	2
60416SWW6	1/1/2026	Serial	3.150	965,000	-	190,000	775,000	2
60416SWX4	7/1/2026	Serial	3.250	985,000	-	205,000	780,000	2
60416SWY2	1/1/2027	Serial	3.350	1,005,000	-	215,000	790,000	2
60416SWZ9	7/1/2027	Serial	3.400	1,030,000	-	225,000	805,000	2
60416SXA3	1/1/2028	Serial	3.450	1,050,000	-	225,000	825,000	2
60416SXB1	7/1/2028	Serial	3.500	1,180,000	-	265,000	915,000	2
60416SXC9	7/1/2032	Term(a)	3.625	13,855,000	-	2,925,000	10,930,000	2
				\$ 28,820,000	\$ 900,000	\$ 5,945,000	\$ 21,975,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues constituting Tax-Exempt Receipts of 2018 Series A, 2018 Series B, 2018 Series C and 2018 Series D.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called from Tax-Exempt Receipts after satisfying the cumulative redemption schedule requirements for the 2018 Series B PAC Term bonds maturing July 1, 2048. See "Section Q – Summary of Special Redemption Provisions".

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: July 1, 2027 and thereafter - 100%.

(a): Sinking fund redemptions begin January 1, 2029.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
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Residential Housing Finance Bonds, 2018 Series B

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SXD7	7/1/2019	Serial	1.700	\$ 100,000	\$ 95,000	\$ 5,000	\$ -	2
60416SXE5	1/1/2020	Serial	1.800	100,000	-	15,000	85,000	2
60416SXF2	7/1/2020	Serial	1.900	100,000	-	15,000	85,000	2
60416SXG0	1/1/2021	Serial	2.000	100,000	-	15,000	85,000	2
60416SXH8	7/1/2021	Serial	2.100	100,000	-	15,000	85,000	2
60416SXJ4	1/1/2022	Serial	2.150	100,000	-	15,000	85,000	2
60416S XK1	7/1/2022	Serial	2.200	100,000	-	15,000	85,000	2
60416SXL9	1/1/2023	Serial	2.300	100,000	-	15,000	85,000	2
60416SXM7	7/1/2023	Serial	2.350	175,000	-	55,000	120,000	2
60416S XN5	1/1/2024	Serial	2.500	200,000	-	55,000	145,000	2
60416SXP0	7/1/2024	Serial	2.550	200,000	-	55,000	145,000	2
60416S XQ8	7/1/2033	Term (a)	3.450	5,380,000	-	1,135,000	4,245,000	2
60416SXR6	7/1/2037	Term (b)	3.650	11,950,000	-	2,520,000	9,430,000	2
60416SXS4	7/1/2048	Term (c)	4.000	24,975,000	-	2,025,000	22,950,000	1
				\$ 43,680,000	\$ 95,000	\$ 5,955,000	\$ 37,630,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues constituting Tax-Exempt Receipts of 2018 Series A, 2018 Series B, 2018 Series C and 2018 Series D.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called from Tax-Exempt Receipts after satisfying the cumulative redemption schedule requirements for the 2018 Series B PAC Term bonds maturing July 1, 2048. See "Section Q – Summary of Special Redemption Provisions".

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: July 1, 2027 and thereafter - 100%.

- (a): Sinking fund redemptions begin July 1, 2032.
- (b): Sinking fund redemptions begin January 1, 2034.
- (c): Sinking fund redemptions begin January 1, 2045.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2019



Residential Housing Finance Bonds, 2018 Series C

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Taxable		Call Priority (Note A and B)	
					Principal Matured/ Sinking Fund	Principal Redemptions		Principal Outstanding
60416SXT2	1/1/2019	Serial	2.650	\$ 620,000	\$ 620,000	\$ -	\$ -	2
60416SXU9	7/1/2019	Serial	2.800	700,000	700,000	\$ -	-	2
60416SXV7	1/1/2020	Serial	2.900	720,000	-	\$ 15,000	705,000	2
60416SXW5	7/1/2020	Serial	3.000	735,000	-	\$ 20,000	715,000	2
60416SXX3	1/1/2021	Serial	3.050	755,000	-	\$ 20,000	735,000	2
60416SXY1	7/1/2021	Serial	3.150	770,000	-	\$ 20,000	750,000	2
60416SXZ8	1/1/2022	Serial	3.300	790,000	-	\$ 30,000	760,000	2
60416SYA2	7/1/2022	Serial	3.350	810,000	-	\$ 35,000	775,000	2
60416SYB0	1/1/2023	Serial	3.450	825,000	-	\$ 40,000	785,000	2
60416SYC8	7/1/2023	Serial	3.500	845,000	-	\$ 55,000	790,000	2
60416SYD6	1/1/2024	Serial	3.550	870,000	-	\$ 55,000	815,000	2
60416SYE4	7/1/2024	Serial	3.600	865,000	-	\$ 55,000	810,000	2
60416SYF1	1/1/2025	Serial	3.650	760,000	-	\$ 20,000	740,000	2
60416SYG9	7/1/2025	Serial	3.700	775,000	-	\$ 25,000	750,000	2
60416SYH7	1/1/202	Serial	3.750	795,000	-	\$ 35,000	760,000	2
60416SYJ3	7/1/2026	Serial	3.800	815,000	-	\$ 40,000	775,000	2
60416SYK0	1/1/2027	Serial	3.850	835,000	-	\$ 50,000	785,000	2
60416SYL8	7/1/2027	Serial	3.900	855,000	-	\$ 55,000	800,000	2
60416SYM6	1/1/2028	Serial	3.950	875,000	-	\$ 60,000	815,000	2
60416SYN4	7/1/2028	Serial	4.000	795,000	-	\$ 30,000	765,000	2
60416SYP9	7/1/2033	Term (a)	4.200	3,385,000	-	\$ 150,000	3,235,000	2
60416SYQ7	7/1/2040	Term (b)	4.450	5,805,000	-	\$ 270,000	5,535,000	2
				<u>\$ 25,000,000</u>	<u>\$ 1,320,000</u>	<u>\$ 1,080,000</u>	<u>\$ 22,600,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues constituting Tax-Exempt Receipts of 2018 Series A, 2018 Series B, 2018 Series C and 2018 Series D.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called from Tax-Exempt Receipts after satisfying the cumulative redemption schedule requirements for the 2018 Series B PAC Term bonds maturing July 1, 2048. See "Section Q – Summary of Special Redemption Provisions".

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: July 1, 2027 and thereafter - 100%.

- (a): Sinking fund redemptions begin January 1, 2029.
- (b): Sinking fund redemptions begin January 1, 2034.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
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Residential Housing Finance Bonds, 2018 Series D

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SYR5	1/1/2045	Term(a)	Variable*	\$ 35,000,000	\$ -	\$ -	\$ 35,000,000	3
				\$ 35,000,000	\$ -	\$ -	\$ 35,000,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues constituting Tax-Exempt Receipts of 2018 Series A, 2018 Series B, 2018 Series C and 2018 Series D.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #3 bonds called from Tax-Exempt Receipts after satisfying the cumulative redemption schedule requirements for the 2018 Series B PAC Term bonds maturing July 1, 2048 and, on or before January 1, 2023, if no call priority #2 bonds are outstanding. See "Section Q – Summary of Special Redemption Provisions".

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2023 and thereafter - 100%.

(a): Sinking fund redemptions begin July 1, 2037.

*Interest on the bonds is adjusted weekly and equals the SIFMA Swap Index plus 0.43%.
 The interest rate on December 31, 2019 was 2.04%.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
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Residential Housing Finance Bonds, 2018 Series E

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SA34	7/1/2019	Serial	2.000	\$ 150,000	\$ 150,000	\$ -	\$ -	2
60416SA42	7/1/2026	Serial	3.000	215,000	-	5,000	210,000	2
60416SA59	1/1/2027	Serial	3.100	1,195,000	-	40,000	1,155,000	2
60416SA67	7/1/2027	Serial	3.150	1,220,000	-	45,000	1,175,000	2
60416SA75	1/1/2028	Serial	3.300	1,245,000	-	45,000	1,200,000	2
60416SA83	7/1/2028	Serial	3.350	1,275,000	-	45,000	1,230,000	2
60416SA91	1/1/2029	Serial	3.400	1,305,000	-	45,000	1,260,000	2
60416SB25	7/1/2029	Serial	3.450	1,335,000	-	45,000	1,290,000	2
60416SB33	1/1/2030	Serial	3.550	1,365,000	-	45,000	1,320,000	2
60416SB41	7/1/2030	Serial	3.600	1,405,000	-	50,000	1,355,000	2
60416SB58	1/1/2033	Term(a)	3.800	6,840,000	-	230,000	6,610,000	2
60416SB66	1/1/2049	Term(b)	4.250	47,650,000	-	1,540,000	46,110,000	1
				<u>\$ 65,200,000</u>	<u>\$ 150,000</u>	<u>\$ 2,135,000</u>	<u>\$ 62,915,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2018 Series E, 2018 Series F, 2018 Series G and 2018 Series H.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2018 Series E PAC Term bonds maturing January 1, 2049. See "Section Q – Summary of Special Redemption Provisions".

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2028 and thereafter - 100%.

- (a): Sinking fund redemptions begin January 1, 2031.
- (b): Sinking fund redemptions begin July 1, 2041.

** CUSIP numbers have been assigned by an organization not affiliated with Minnesota Housing and are included for convenience. Minnesota Housing is not responsible for the selection or uses of these CUSIP numbers, nor is any representation made as to their correctness on the Bonds or as indicated above. A CUSIP number for a specific maturity may be changed after the issuance date. CUSIP © is a registered trademark of the American Bankers Association.

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
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Residential Housing Finance Bonds, 2018 Series F

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	AMT		Principal Outstanding	Call Priority (Note A and B)
					Principal Matured/ Sinking Fund	Principal Redemptions		
60416SB74	7/1/2019	Serial	2.200	\$ 470,000	\$ 465,000	5,000	\$ -	2
60416SB82	1/1/2020	Serial	2.400	930,000	-	25,000	905,000	2
60416SB90	7/1/2020	Serial	2.500	945,000	-	25,000	920,000	2
60416SC24	1/1/2021	Serial	2.650	960,000	-	30,000	930,000	2
60416SC32	7/1/2021	Serial	2.750	970,000	-	30,000	940,000	2
60416SC40	1/1/2022	Serial	2.850	990,000	-	35,000	955,000	2
60416SC57	7/1/2022	Serial	2.950	1,005,000	-	35,000	970,000	2
60416SC65	1/1/2023	Serial	3.000	1,025,000	-	35,000	990,000	2
60416SC73	7/1/2023	Serial	3.050	1,040,000	-	40,000	1,000,000	2
60416SC81	1/1/2024	Serial	3.100	1,060,000	-	40,000	1,020,000	2
60416SC99	7/1/2024	Serial	3.150	1,080,000	-	40,000	1,040,000	2
60416SD23	1/1/2025	Serial	3.250	1,100,000	-	40,000	1,060,000	2
60416SD31	7/1/2025	Serial	3.300	1,125,000	-	40,000	1,085,000	2
60416SD49	1/1/2026	Serial	3.400	1,145,000	-	40,000	1,105,000	2
60416SD49	7/1/2026	Serial	3.500	955,000	-	30,000	925,000	2
				\$ 14,800,000	\$ 465,000	\$ 490,000	\$ 13,845,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2018 Series E, 2018 Series F, 2018 Series G and 2018 Series H.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2018 Series E PAC Term bonds maturing January 1, 2049. See "Section Q – Summary of Special Redemption Provisions".

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
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Residential Housing Finance Bonds, 2018 Series G

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Taxable		Principal Outstanding	Maturity Date
					Principal Matured/ Sinking Fund	Principal Redemptions		
60416SD64	7/1/2019	Serial	3.100	\$ 250,000	\$ 250,000	\$ -	\$ -	2
60416SD72	1/1/2020	Serial	3.150	265,000	-	-	265,000	2
60416SD80	7/1/2020	Serial	3.200	270,000	-	-	270,000	2
60416SD98	1/1/2021	Serial	3.310	275,000	-	-	275,000	2
60416SE22	7/1/2021	Serial	3.360	285,000	-	-	285,000	2
60416SE30	1/1/2022	Serial	3.390	290,000	-	-	290,000	2
60416SE48	7/1/2022	Serial	3.440	300,000	-	-	300,000	2
60416SE55	1/1/2023	Serial	3.500	305,000	-	-	305,000	2
60416SE63	7/1/2023	Serial	3.540	315,000	-	-	315,000	2
60416SE71	1/1/2024	Serial	3.650	320,000	-	-	320,000	2
60416SE89	7/1/2024	Serial	3.700	330,000	-	-	330,000	2
60416SE+8	1/1/2025	Serial	3.750	340,000	-	5,000	335,000	2
60416SF21	7/1/2025	Serial	3.800	345,000	-	5,000	340,000	2
60416SF39	1/1/2026	Serial	3.850	355,000	-	5,000	350,000	2
60416SF47	7/1/2026	Serial	3.900	365,000	-	5,000	360,000	2
60416SF54	1/1/2027	Serial	4.000	375,000	-	5,000	370,000	2
60416SF62	7/1/2027	Serial	4.050	385,000	-	5,000	380,000	2
60416SF70	1/1/2028	Serial	1.100	395,000	-	15,000	380,000	2
60416SF88	7/1/2028	Serial	4.150	405,000	-	20,000	385,000	2
60416SF96	1/1/2029	Serial	4.200	415,000	-	25,000	390,000	2
60416SG20	7/1/2029	Serial	4.250	425,000	-	35,000	390,000	2
60416SG38	7/1/2033	Term (a)	4.450	3,790,000	-	70,000	3,720,000	2
60416SG46	7/1/2038	Term (b)	4.630	5,935,000	-	110,000	5,825,000	2
60416SG53	1/1/2049	Term (c)	4.730	18,265,000	-	330,000	17,935,000	2
				<u>\$ 35,000,000</u>	<u>\$ 250,000</u>	<u>\$ 635,000</u>	<u>\$ 34,115,000</u>	

continued and notes appear on next page

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
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Residential Housing Finance Bonds, 2018 Series G, continued from prior page

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2018 Series E, 2018 Series F, 2018 Series G and 2018 Series H.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2018 Series E PAC Term bonds maturing January 1, 2049. See "Section Q – Summary of Special Redemption Provisions".

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2028 and thereafter - 100%.

- (a): Sinking fund redemptions begin January 1, 2030.
- (b): Sinking fund redemptions begin January 1, 2034.
- (c): Sinking fund redemptions begin January 1, 2039.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2019



Residential Housing Finance Bonds, 2018 Series H

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SG61	7/1/2041	Term(a)	Variable*	\$ 35,000,000	\$ -	\$ -	\$ 35,000,000	3
				<u>\$ 35,000,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 35,000,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2018 Series E, 2018 Series F, 2018 Series G and 2018 Series H.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #3 bonds called after satisfying the cumulative redemption schedule requirements for the 2018 Series E PAC Term bonds maturing January 1, 2049 and, on or before July 1, 2023, if no call priority #2 bonds are outstanding. See "Section Q – Summary of Special Redemption Provisions".

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: July 1, 2023 and thereafter - 100%.

(a): Sinking fund redemptions begin January 1, 2033.

*Interest on the bonds is adjusted weekly and equals the SIFMA Swap Index plus 0.55%.
 The interest rate on December 31, 2019 was 2.16%.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
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Residential Housing Finance Bonds, 2019 Series A

AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SK82	7/1/2019	Serial	1.850	\$ 100,000	\$ 100,000	\$ -	\$ -	2
60416SK90	7/1/2020	Serial	1.950	1,350,000	-	75,000	1,275,000	2
60416SL24	7/1/2021	Serial	2.150	1,360,000	-	75,000	1,285,000	2
60416SL32	7/1/2022	Serial	2.250	1,375,000	-	75,000	1,300,000	2
60416SL40	7/1/2023	Serial	2.400	1,395,000	-	75,000	1,320,000	2
60416SL57	7/1/2024	Serial	2.450	1,410,000	-	75,000	1,335,000	2
60416SL65	7/1/2025	Serial	2.625	875,000	-	50,000	825,000	2
				\$ 7,865,000	\$ 100,000	\$ 425,000	\$ 7,340,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2019 Series A, 2019 Series B, 2019 Series C and 2019 Series D.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2019 Series B PAC Term bonds maturing July 1, 2049. See "Section Q – Summary of Special Redemption Provisions".

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
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Residential Housing Finance Bonds, 2019 Series B

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SL73	7/1/2019	Serial	1.600	\$ 240,000	\$ 240,000	\$ -	\$ -	2
60416SL81	1/1/2020	Serial	1.650	1,345,000	-	75,000	1,270,000	2
60416SL99	1/1/2021	Serial	1.750	1,355,000	-	75,000	1,280,000	2
60416SM23	1/1/2022	Serial	1.800	1,365,000	-	75,000	1,290,000	2
60416SM31	1/1/2023	Serial	1.950	1,380,000	-	75,000	1,305,000	2
60416SM49	1/1/2024	Serial	2.050	1,400,000	-	75,000	1,325,000	2
60416SM56	1/1/2025	Serial	2.150	1,415,000	-	75,000	1,340,000	2
60416SM64	7/1/2025	Serial	2.200	550,000	-	30,000	520,000	2
60416SM72	1/1/2026	Serial	2.350	1,440,000	-	75,000	1,365,000	2
60416SM80	7/1/2026	Serial	2.375	1,450,000	-	80,000	1,370,000	2
60416SM98	1/1/2027	Serial	2.500	1,470,000	-	80,000	1,390,000	2
60416SN22	7/1/2027	Serial	2.550	1,485,000	-	80,000	1,405,000	2
60416SN30	1/1/2028	Serial	2.650	1,470,000	-	80,000	1,390,000	2
60416SN48	7/1/2028	Serial	2.700	1,460,000	-	80,000	1,380,000	2
60416SN55	1/1/2029	Serial	2.850	2,430,000	-	135,000	2,295,000	2
60416SN63	7/1/2029	Serial	2.900	2,405,000	-	135,000	2,270,000	2
60416SN71	1/1/2030	Serial	3.000	2,375,000	-	125,000	2,250,000	2
60416SN89	7/1/2030	Serial	3.000	2,355,000	-	125,000	2,230,000	2
60416SN97	1/1/2031	Serial	3.100	2,400,000	-	135,000	2,265,000	2
60416SP20	7/1/2031	Serial	3.150	2,390,000	-	130,000	2,260,000	2
60416SP38	7/1/2033	Term (a)	3.300	8,565,000	-	465,000	8,100,000	2
60416SP46	7/1/2049	Term (b)	4.250	57,450,000	-	1,365,000	56,085,000	1
				<u>\$ 98,195,000</u>	<u>\$ 240,000</u>	<u>\$ 3,570,000</u>	<u>\$ 94,385,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2019 Series A, 2019 Series B, 2019 Series C and 2019 Series D.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2019 Series B PAC Term bonds maturing July 1, 2049. See "Section Q – Summary of Special Redemption Provisions".

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: July 1, 2028 and thereafter - 100%.

- (a): Sinking fund redemptions begin January 1, 2032.
- (b): Sinking fund redemptions begin January 1, 2042.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
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Residential Housing Finance Bonds, 2019 Series C

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Taxable		Principal Outstanding	Call Priority (Note A and B)
					Principal Matured/ Sinking Fund	Principal Redemptions		
60416S	1/1/2020	Serial	2.625	\$ 915,000	\$ -	\$ 5,000	\$ 910,000	2
60416S	7/1/2020	Serial	2.675	940,000	-	5,000	935,000	2
60416S	1/1/2021	Serial	2.725	965,000	-	5,000	960,000	2
60416S	7/1/2021	Serial	2.775	990,000	-	5,000	985,000	2
60416S	1/1/2022	Serial	2.847	1,015,000	-	5,000	1,010,000	2
60416S	7/1/2022	Serial	2.897	1,040,000	-	10,000	1,030,000	2
60416S	1/1/2023	Serial	2.942	1,070,000	-	10,000	1,060,000	2
60416S	7/1/2023	Serial	2.992	1,095,000	-	10,000	1,085,000	2
60416S	1/1/2024	Serial	3.042	1,125,000	-	10,000	1,115,000	2
60416S	7/1/2024	Serial	3.092	1,155,000	-	15,000	1,140,000	2
60416S	1/1/2025	Serial	3.207	1,190,000	-	15,000	1,175,000	2
60416S	7/1/2025	Serial	3.237	1,220,000	-	15,000	1,205,000	2
60416S	1/1/2026	Serial	3.317	1,250,000	-	20,000	1,230,000	2
60416S	7/1/2026	Serial	3.367	1,285,000	-	25,000	1,260,000	2
60416S	1/1/2027	Serial	3.471	1,315,000	-	25,000	1,290,000	2
60416S	7/1/2027	Serial	3.521	1,350,000	-	25,000	1,325,000	2
60416S	1/1/2028	Serial	3.571	1,385,000	-	25,000	1,360,000	2
60416S	7/1/2028	Serial	3.621	1,420,000	-	25,000	1,395,000	2
60416S	1/1/2029	Serial	3.671	425,000	-	5,000	420,000	2
60416S	7/1/2029	Serial	3.721	440,000	-	5,000	435,000	2
60416S	7/1/2034	Term (a)	3.971	5,055,000	-	60,000	4,995,000	2
60416S	7/1/2042	Term (b)	4.204	10,855,000	-	140,000	10,715,000	2
				<u>\$ 37,500,000</u>	<u>\$ -</u>	<u>\$ 465,000</u>	<u>\$ 37,035,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2019 Series A, 2019 Series B, 2019 Series C and 2019 Series D.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2019 Series B PAC Term bonds maturing July 1, 2049. See "Section Q – Summary of Special Redemption Provisions".

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: July 1, 2028 and thereafter - 100%.

- (a): Sinking fund redemptions begin January 1, 2030.
- (b): Sinking fund redemptions begin January 1, 2035.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
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Residential Housing Finance Bonds, 2019 Series D

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SG87	1/1/2042	Term(a)	Variable*	\$ 45,000,000	\$ -	\$ -	\$ 45,000,000	2
				\$ 45,000,000	\$ -	\$ -	\$ 45,000,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2019 Series A, 2019 Series B, 2019 Series C and 2019 Series D.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2019 Series B PAC Term bonds maturing July 1, 2049. See "Section Q – Summary of Special Redemption Provisions".

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: April 12, 2019 and thereafter - 100%.

(a): Sinking fund redemptions begin July 1, 2033.

*Interest on the bonds is adjusted weekly and is determined by a remarketing agent based on market conditions. The interest rate on December 31, 2019 was 1.58%.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
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Residential Housing Finance Bonds, 2019 Series E

AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SP87	7/1/2020	Serial	1.200	\$ 1,235,000	\$ -	\$ -	\$ 1,235,000	2
60416SP95	1/1/2021	Serial	1.300	1,240,000	-	-	1,240,000	2
60416SQ29	7/1/2021	Serial	1.350	1,245,000	-	-	1,245,000	2
60416SQ37	1/1/2022	Serial	1.400	1,250,000	-	-	1,250,000	2
60416SQ45	7/1/2022	Serial	1.450	1,260,000	-	-	1,260,000	2
60416SQ52	1/1/2023	Serial	1.500	1,265,000	-	-	1,265,000	2
60416SQ60	7/1/2023	Serial	1.550	1,275,000	-	-	1,275,000	2
60416SQ78	1/1/2024	Serial	1.600	1,280,000	-	-	1,280,000	2
60416SQ86	7/1/2024	Serial	1.650	1,290,000	-	-	1,290,000	2
60416SQ94	1/1/2025	Serial	1.700	1,300,000	-	-	1,300,000	2
60416SR28	7/1/2025	Serial	1.750	585,000	-	-	585,000	2
				<u>\$ 13,225,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 13,225,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2019 Series E, 2019 Series F, 2019 Series G and 2019 Series H.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2019 Series F PAC Term bonds maturing January 1, 2050. See "Section Q – Summary of Special Redemption Provisions".

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
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Residential Housing Finance Bonds, 2019 Series F

Non-AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SR36	7/1/2020	Serial	1.050	\$ 150,000	\$ -	\$ -	\$ 150,000	2
60416SR44	7/1/2025	Serial	1.500	575,000	-	-	575,000	2
60416SR51	1/1/2026	Serial	1.550	1,320,000	-	-	1,320,000	2
60416SR69	7/1/2026	Serial	1.600	1,325,000	-	-	1,325,000	2
60416SR77	1/1/2027	Serial	1.700	1,340,000	-	-	1,340,000	2
60416SR85	7/1/2027	Serial	1.750	1,350,000	-	-	1,350,000	2
60416SR93	1/1/2028	Serial	1.800	1,365,000	-	-	1,365,000	2
60416SS27	7/1/2028	Serial	1.850	1,380,000	-	-	1,380,000	2
60416SS35	1/1/2029	Serial	1.900	1,395,000	-	-	1,395,000	2
60416SS43	7/1/2029	Serial	1.950	1,410,000	-	-	1,410,000	2
60416SS50	1/1/2030	Serial	2.000	1,430,000	-	-	1,430,000	2
60416SS68	7/1/2030	Serial	2.050	1,450,000	-	-	1,450,000	2
60416SS76	1/1/2031	Serial	2.100	1,470,000	-	-	1,470,000	2
60416SS84	7/1/2031	Serial	2.150	1,495,000	-	-	1,495,000	2
60416SW48	1/1/2032	Serial	2.250	1,520,000	-	-	1,520,000	2
60416SW55	7/1/2032	Serial	2.300	1,540,000	-	-	1,540,000	2
60416SS92	7/1/2034	Term (a)	2.450	6,425,000	-	-	6,425,000	2
60416ST26	7/1/2039	Term (b)	2.550	18,190,000	-	-	18,190,000	2
60416ST34	7/1/2044	Term (c)	2.750	20,655,000	-	-	20,655,000	2
60416ST42	1/1/2050	Term (d)	3.750	30,990,000	-	-	30,990,000	1
				\$ 96,775,000	\$ -	\$ -	\$ 96,775,000	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2019 Series E, 2019 Series F, 2019 Series G and 2019 Series H.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2019 Series F PAC Term bonds maturing January 1, 2050. See "Section Q – Summary of Special Redemption Provisions".

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2029 and thereafter - 100%.

- (a): Sinking fund redemptions begin January 1, 2033.
- (b): Sinking fund redemptions begin January 1, 2035.
- (c): Sinking fund redemptions begin January 1, 2040.
- (d): Sinking fund redemptions begin July 1, 2044.

** CUSIP numbers have been assigned by an organization not affiliated with Minnesota Housing and are included for convenience. Minnesota Housing is not responsible for the selection or uses of these CUSIP numbers, nor is any representation made as to their correctness on the Bonds or as indicated above. A CUSIP number for a specific maturity may be changed after the issuance date. CUSIP® is a registered trademark of the American Bankers Association.

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2019



Residential Housing Finance Bonds, 2019 Series G

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Taxable			Call Priority (Note A and B)
					Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	
60416ST59	7/1/2020	Serial	1.760	\$ 760,000	\$ -	\$ -	\$ 760,000	2
60416ST67	1/1/2021	Serial	1.810	775,000	-	-	775,000	2
60416ST75	7/1/2021	Serial	1.860	790,000	-	-	790,000	2
60416ST83	1/1/2022	Serial	1.846	810,000	-	-	810,000	2
60416ST91	7/1/2022	Serial	1.896	825,000	-	-	825,000	2
60416SU24	1/1/2023	Serial	1.926	845,000	-	-	845,000	2
60416SU32	7/1/2023	Serial	1.976	860,000	-	-	860,000	2
60416SU40	1/1/2024	Serial	2.026	880,000	-	-	880,000	2
60416SU57	7/1/2024	Serial	2.076	900,000	-	-	900,000	2
60416SU65	1/1/2025	Serial	2.149	915,000	-	-	915,000	2
60416SU73	7/1/2025	Serial	2.199	935,000	-	-	935,000	2
60416SU81	1/1/2026	Serial	2.249	955,000	-	-	955,000	2
60416SU99	7/1/2026	Serial	2.299	980,000	-	-	980,000	2
60416SV23	1/1/2027	Serial	2.355	1,000,000	-	-	1,000,000	2
60416SV31	7/1/2027	Serial	2.435	1,025,000	-	-	1,025,000	2
60416SV49	1/1/2028	Serial	2.485	1,045,000	-	-	1,045,000	2
60416SV56	7/1/2028	Serial	2.535	1,065,000	-	-	1,065,000	2
60416SV64	1/1/2029	Serial	2.585	1,090,000	-	-	1,090,000	2
60416SV72	7/1/2029	Serial	2.635	1,115,000	-	-	1,115,000	2
60416SV80	1/1/2030	Serial	2.655	1,135,000	-	-	1,135,000	2
60416SV98	7/1/2030	Serial	2.705	1,160,000	-	-	1,160,000	2
60416SW22	7/1/2034	Term (a)	2.905	10,220,000	-	-	10,220,000	2
60416SW30	1/1/2040	Term (b)	3.164	15,930,000	-	-	15,930,000	2
				<u>\$ 46,015,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 46,015,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2019 Series E, 2019 Series F, 2019 Series G and 2019 Series H.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2019 Series F PAC Term bonds maturing January 1, 2050. See "Section Q – Summary of Special Redemption Provisions".

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: January 1, 2029 and thereafter - 100%.

- (a): Sinking fund redemptions begin January 1, 2031.
- (b): Sinking fund redemptions begin January 1, 2035.

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RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2019



Residential Housing Finance Bonds, 2019 Series H

Taxable

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
60416SP61	1/1/2050	Term(a)	Variable*	\$ 43,985,000	\$ -	\$ -	\$ 43,985,000	2
				<u>\$ 43,985,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 43,985,000</u>	

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2019 Series E, 2019 Series F, 2019 Series G and 2019 Series H.

The Agency has discretion to select the bonds to be redeemed if bonds of the same series but different maturities or bonds of different series have the same call priority, or may select other bonds of different series for redemption to the extent permitted by the series resolution. See "Section Q – Summary of Special Redemption Provisions".

Note B: Call priority #2 bonds called after satisfying the cumulative redemption schedule requirements for the 2019 Series F PAC Term bonds maturing January 1, 2050. See "Section Q – Summary of Special Redemption Provisions".

Optional Redemption: In whole or in part on any date during the following period at a redemption price equal to the following percentage of the principal amount plus accrued interest: September 12, 2019 and thereafter - 100%.

(a): Sinking fund redemptions begin January 1, 2040.

*Interest on the bonds is adjusted weekly and is determined by a remarketing agent based on market conditions. The interest rate on December 31, 2019 was 1.65%.

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**Residential Housing Finance Bond Resolution
Summary of Special Redemption Provisions
Information as of December 31, 2019**

Residential Housing Finance 2006 N	
Call From Unexpended Proceeds	N/A
Call Date From Unexpended Proceeds	N/A
Call Priority From Unexpended Proceeds	N/A
Call From Prepayments or Excess Revenue	Yes
Call Date From Prepayments or Excess Revenue	Anytime
Call Priority From Prepayments or Excess Revenue	<p><u>Prepayments:</u> Prepayments must be applied first to redeem Series N 2037 PAC Term Bonds in accordance with the cumulative redemption schedule and second may be applied to redeem any outstanding Bonds selected by Agency option (other than Series N 2037 PAC Term Bonds if in excess of their respective cumulative redemption schedules).</p> <p><u>Excess Revenues:</u> Any outstanding Bonds at Agency option including the Series Bonds, but with respect to the Series N 2037 PAC Term Bonds not in excess of their respective cumulative redemption schedules.</p>

Residential Housing Finance 2007 Series M	
Call From Unexpended Proceeds	N/A
Call Date From Unexpended Proceeds	N/A
Call Priority From Unexpended Proceeds	N/A
Call From Prepayments or Excess Revenue	Yes, from Repayments and Prepayments, not from Excess Revenue.
Call Date From Prepayments or Excess Revenue	Each January 1 and July 1, commencing January 1, 2008.
Call Priority From Prepayments or Excess Revenue	Mandatory redemption, pro rata, from mortgage prepayments and repayments allocable to the Series M Bonds. No redemption from Excess Revenue.

**Residential Housing Finance Bond Resolution
Summary of Special Redemption Provisions
Information as of December 31, 2019**

Residential Housing Finance 2012 Series A, B, C and D							
Call From Unexpended Proceeds	N/A						
Call Date From Unexpended Proceeds	N/A						
Call Priority From Unexpended Proceeds	N/A						
Call From Prepayments or Excess Revenue	Yes						
Call Date From Prepayments or Excess Revenue	Anytime						
Call Priority From Prepayments or Excess Revenue	<p><u>Prepayments:</u> To the extent required by applicable federal tax law under the 10-Year Rule Requirements in the table below to redeem outstanding Series Bonds, selected by the Agency (exclusive of prepayments allocable to Unrestricted Transferred Program Loans as described in the Official Statement).</p> <p>10-Year Rule Requirements</p> <table border="0"> <thead> <tr> <th align="center"><u>Dates</u></th> <th align="center"><u>Percentages</u></th> </tr> </thead> <tbody> <tr> <td>April 26, 2012 to April 25, 2022</td> <td align="center">58.97%</td> </tr> <tr> <td>April 26, 2022 and thereafter</td> <td align="center">100.00</td> </tr> </tbody> </table> <p>All prepayments must be applied first to redeem the Series D July 2040 PAC Term bonds in accordance with the cumulative redemption schedule, and then, to the extent required by federal tax law, to redeem outstanding Series Bonds selected by Agency option (other than the Series D July 2040 PAC Term bonds unless no other Series Bonds are outstanding), and otherwise may be applied to redeem any outstanding Bonds at Agency option (including the Series Bonds (other than the Series D July 2040 PAC Term bonds)).</p> <p><u>Excess Revenues:</u> Any outstanding Bonds at Agency option including the Series Bonds (other than the Series D July 2040 PAC Term bonds beyond their cumulative redemption schedule).</p>	<u>Dates</u>	<u>Percentages</u>	April 26, 2012 to April 25, 2022	58.97%	April 26, 2022 and thereafter	100.00
<u>Dates</u>	<u>Percentages</u>						
April 26, 2012 to April 25, 2022	58.97%						
April 26, 2022 and thereafter	100.00						

**Residential Housing Finance Bond Resolution
Summary of Special Redemption Provisions
Information as of December 31, 2019**

Residential Housing Finance 2013 Series A and C							
Call From Unexpended Proceeds	N/A						
Call Date From Unexpended Proceeds	N/A						
Call Priority From Unexpended Proceeds	N/A						
Call From Prepayments or Excess Revenue	Yes						
Call Date From Prepayments or Excess Revenue	Anytime						
Call Priority From Prepayments or Excess Revenue	<p><u>Prepayments:</u> To the extent required by applicable federal tax law under the 10-Year Rule Requirements in the table below to redeem outstanding Series Bonds, selected by the Agency.</p> <p>10-Year Rule Requirements</p> <table border="0"> <thead> <tr> <th align="center"><u>Dates</u></th> <th align="center"><u>Percentages</u></th> </tr> </thead> <tbody> <tr> <td align="center">June 20, 2013 to December 31, 2022</td> <td align="center">49.30%</td> </tr> <tr> <td align="center">January 1, 2023 and thereafter</td> <td align="center">100.00</td> </tr> </tbody> </table> <p>All prepayments must be applied first to redeem the Series A July 2031 PAC Term bonds in accordance with the cumulative redemption schedule, and then, to the extent required by federal tax law, to redeem outstanding Series Bonds selected by Agency option (other than the Series A July 2031 PAC Term bonds unless no other Series Bonds are outstanding), and otherwise may be applied to redeem any outstanding Bonds at Agency option (including the Series Bonds (other than the Series A July 2031 PAC Term bonds)).</p> <p><u>Excess Revenues:</u> Any outstanding Bonds at Agency option including the Series Bonds (other than the Series A July 2031 PAC Term bonds beyond their cumulative redemption schedule).</p>	<u>Dates</u>	<u>Percentages</u>	June 20, 2013 to December 31, 2022	49.30%	January 1, 2023 and thereafter	100.00
<u>Dates</u>	<u>Percentages</u>						
June 20, 2013 to December 31, 2022	49.30%						
January 1, 2023 and thereafter	100.00						

**Residential Housing Finance Bond Resolution
Summary of Special Redemption Provisions
Information as of December 31, 2019**

Residential Housing Finance 2014 Series A							
Call From Unexpended Proceeds	N/A						
Call Date From Unexpended Proceeds	N/A						
Call Priority From Unexpended Proceeds	N/A						
Call From Prepayments or Excess Revenue	Yes						
Call Date From Prepayments or Excess Revenue	Anytime						
Call Priority From Prepayments or Excess Revenue	<p><u>Prepayments:</u> To the extent required by applicable federal tax law under the 10-Year Rule Requirements in the table below to redeem outstanding Series Bonds, selected by the Agency.</p> <p>10-Year Rule Requirements</p> <table border="0"> <thead> <tr> <th align="center"><u>Dates</u></th> <th align="center"><u>Percentages</u></th> </tr> </thead> <tbody> <tr> <td align="center">March 26, 2014 to March 25, 2024</td> <td align="center">0.00%</td> </tr> <tr> <td align="center">March 26, 2024 and thereafter</td> <td align="center">100.00</td> </tr> </tbody> </table> <p>All prepayments must be applied first to redeem the Series A July 2038 PAC Term bonds in accordance with the cumulative redemption schedule, and then, to the extent required by federal tax law, to redeem outstanding Series Bonds selected by Agency option (other than the Series A July 2038 PAC Term bonds unless no other Series Bonds are outstanding), and otherwise may be applied to redeem any outstanding Bonds at Agency option (including the Series Bonds (other than the Series A July 2038 PAC Term bonds)).</p> <p><u>Excess Revenues:</u> Any outstanding Bonds at Agency option including the Series Bonds (other than the Series A July 2038 PAC Term bonds beyond their cumulative redemption schedule).</p>	<u>Dates</u>	<u>Percentages</u>	March 26, 2014 to March 25, 2024	0.00%	March 26, 2024 and thereafter	100.00
<u>Dates</u>	<u>Percentages</u>						
March 26, 2014 to March 25, 2024	0.00%						
March 26, 2024 and thereafter	100.00						

**Residential Housing Finance Bond Resolution
Summary of Special Redemption Provisions
Information as of December 31, 2019**

Residential Housing Finance 2014 Series B							
Call From Unexpended Proceeds	N/A						
Call Date From Unexpended Proceeds	N/A						
Call Priority From Unexpended Proceeds	N/A						
Call From Prepayments or Excess Revenue	Yes						
Call Date From Prepayments or Excess Revenue	Anytime						
Call Priority From Prepayments or Excess Revenue	<p><u>Prepayments:</u> To the extent required by applicable federal tax law under the 10-Year Rule Requirements in the table below to redeem outstanding Series Bonds, selected by the Agency.</p> <p>10-Year Rule Requirements</p> <table border="0"> <thead> <tr> <th align="center"><u>Dates</u></th> <th align="center"><u>Percentages</u></th> </tr> </thead> <tbody> <tr> <td>April 30, 2014 to April 29, 2024</td> <td align="center">0.00%</td> </tr> <tr> <td>April 30, 2024 and thereafter</td> <td align="center">100.00</td> </tr> </tbody> </table> <p>All prepayments must be applied first to redeem the Series B January 2038 PAC Term bonds in accordance with the cumulative redemption schedule, and then, to the extent required by federal tax law, to redeem outstanding Series Bonds selected by Agency option (other than the Series B January 2038 PAC Term bonds unless no other Series Bonds are outstanding), and otherwise may be applied to redeem any outstanding Bonds at Agency option (including the Series Bonds (other than the Series B January 2038 PAC Term bonds)).</p> <p><u>Excess Revenues:</u> Any outstanding Bonds at Agency option including the Series Bonds (other than the Series B January 2038 PAC Term bonds beyond their cumulative redemption schedule).</p>	<u>Dates</u>	<u>Percentages</u>	April 30, 2014 to April 29, 2024	0.00%	April 30, 2024 and thereafter	100.00
<u>Dates</u>	<u>Percentages</u>						
April 30, 2014 to April 29, 2024	0.00%						
April 30, 2024 and thereafter	100.00						

**Residential Housing Finance Bond Resolution
Summary of Special Redemption Provisions
Information as of December 31, 2019**

Residential Housing Finance 2014 Series C, D and E							
Call From Unexpended Proceeds	N/A						
Call Date From Unexpended Proceeds	N/A						
Call Priority From Unexpended Proceeds	N/A						
Call From Prepayments or Excess Revenue	Yes						
Call Date From Prepayments or Excess Revenue	Anytime						
Call Priority From Prepayments or Excess Revenue	<p><u>Prepayments:</u> To the extent required by applicable federal tax law under the 10-Year Rule Requirements in the table below to redeem outstanding Series Bonds, selected by the Agency.</p> <p>10-Year Rule Requirements</p> <table border="0"> <thead> <tr> <th align="center"><u>Dates</u></th> <th align="center"><u>Percentages</u></th> </tr> </thead> <tbody> <tr> <td align="center">December 16, 2014 to December 15, 2024</td> <td align="center">65.94%</td> </tr> <tr> <td align="center">December 16, 2024 and thereafter</td> <td align="center">100.00</td> </tr> </tbody> </table> <p>All prepayments must be applied first to redeem the Series C January 2045 PAC Term bonds in accordance with the cumulative redemption schedule, and then, to the extent required by federal tax law, to redeem outstanding Series Bonds selected by Agency option (other than the Series C January 2045 PAC Term bonds unless no other Series Bonds are outstanding), and otherwise may be applied to redeem any outstanding Bonds at Agency option (including the Series Bonds (other than the Series C January 2045 PAC Term bonds)).</p> <p><u>Excess Revenues:</u> Any outstanding Bonds at Agency option including the Series Bonds (other than the Series C January 2045 PAC Term bonds beyond their cumulative redemption schedule).</p>	<u>Dates</u>	<u>Percentages</u>	December 16, 2014 to December 15, 2024	65.94%	December 16, 2024 and thereafter	100.00
<u>Dates</u>	<u>Percentages</u>						
December 16, 2014 to December 15, 2024	65.94%						
December 16, 2024 and thereafter	100.00						

**Residential Housing Finance Bond Resolution
Summary of Special Redemption Provisions
Information as of December 31, 2019**

Residential Housing Finance 2015 Series A, C and D							
Call From Unexpended Proceeds	N/A						
Call Date From Unexpended Proceeds	N/A						
Call Priority From Unexpended Proceeds	N/A						
Call From Prepayments or Excess Revenue	Yes						
Call Date From Prepayments or Excess Revenue	Anytime						
Call Priority From Prepayments or Excess Revenue	<p><u>Prepayments:</u> To the extent required by applicable federal tax law under the 10-Year Rule Requirements in the table below to redeem outstanding Series Bonds, selected by the Agency.</p> <p>10-Year Rule Requirements</p> <table border="0"> <thead> <tr> <th align="center"><u>Dates</u></th> <th align="center"><u>Percentages</u></th> </tr> </thead> <tbody> <tr> <td>August 11, 2015 to August 10, 2025</td> <td align="center">47.52%</td> </tr> <tr> <td>August 11, 2025 and thereafter</td> <td align="center">100.00</td> </tr> </tbody> </table> <p>All prepayments must be applied first to redeem the Series A January 2041 PAC Term bonds in accordance with the cumulative redemption schedule, and then, to the extent required by federal tax law, to redeem outstanding Series Bonds selected by Agency option (other than the Series A January 2041 PAC Term bonds unless no other Series Bonds are outstanding), and otherwise may be applied to redeem any outstanding Bonds at Agency option (including the Series Bonds (other than the Series A January 2041 PAC Term bonds)).</p> <p><u>Excess Revenues:</u> Any outstanding Bonds at Agency option including the Series Bonds (other than the Series A January 2041 PAC Term bonds beyond their cumulative redemption schedule).</p>	<u>Dates</u>	<u>Percentages</u>	August 11, 2015 to August 10, 2025	47.52%	August 11, 2025 and thereafter	100.00
<u>Dates</u>	<u>Percentages</u>						
August 11, 2015 to August 10, 2025	47.52%						
August 11, 2025 and thereafter	100.00						

**Residential Housing Finance Bond Resolution
Summary of Special Redemption Provisions
Information as of December 31, 2019**

Residential Housing Finance 2015 Series E, F and G							
Call From Unexpended Proceeds	N/A						
Call Date From Unexpended Proceeds	N/A						
Call Priority From Unexpended Proceeds	N/A						
Call From Prepayments or Excess Revenue	Yes						
Call Date From Prepayments or Excess Revenue	Anytime						
Call Priority From Prepayments or Excess Revenue	<p><u>Prepayments:</u> To the extent required by applicable federal tax law under the 10-Year Rule Requirements in the table below to redeem outstanding Series Bonds, selected by the Agency.</p> <p>10-Year Rule Requirements</p> <table border="0"> <thead> <tr> <th align="center"><u>Dates</u></th> <th align="center"><u>Percentages</u></th> </tr> </thead> <tbody> <tr> <td align="center">December 8, 2015 to December 7, 2025</td> <td align="center">56.73%</td> </tr> <tr> <td align="center">December 8, 2025 and thereafter</td> <td align="center">100.00</td> </tr> </tbody> </table> <p>All prepayments must be applied first to redeem the Series E January 2046 PAC Term bonds in accordance with the cumulative redemption schedule, and then, to the extent required by federal tax law, to redeem outstanding Series Bonds selected by Agency option (other than the Series E January 2046 PAC Term bonds unless no other Series Bonds are outstanding), and otherwise may be applied to redeem any outstanding Bonds at Agency option (including the Series Bonds (other than the Series E January 2046 PAC Term bonds)).</p> <p><u>Excess Revenues:</u> Any outstanding Bonds at Agency option including the Series Bonds (other than the Series E January 2046 PAC Term bonds beyond their cumulative redemption schedule).</p>	<u>Dates</u>	<u>Percentages</u>	December 8, 2015 to December 7, 2025	56.73%	December 8, 2025 and thereafter	100.00
<u>Dates</u>	<u>Percentages</u>						
December 8, 2015 to December 7, 2025	56.73%						
December 8, 2025 and thereafter	100.00						

**Residential Housing Finance Bond Resolution
Summary of Special Redemption Provisions
Information as of December 31, 2019**

Residential Housing Finance 2016 Series A, B and C							
Call From Unexpended Proceeds	N/A						
Call Date From Unexpended Proceeds	N/A						
Call Priority From Unexpended Proceeds	N/A						
Call From Prepayments or Excess Revenue	Yes						
Call Date From Prepayments or Excess Revenue	Anytime						
Call Priority From Prepayments or Excess Revenue	<p><u>Prepayments:</u> To the extent required by applicable federal tax law under the 10-Year Rule Requirements in the table below, prepayments and scheduled repayments from Transferred Tax-Exempt Loans, Transferred Tax-Exempt Participation Loans and Program Loans backing Program Securities acquired with proceeds of 2016 Series B Bonds (the "Tax-Exempt Receipts") to redeem outstanding 2016 Series A Bonds or 2016 Series B Bonds, selected by the Agency.</p> <p>10-Year Rule Requirements</p> <table border="0"> <thead> <tr> <th align="center"><u>Dates</u></th> <th align="center"><u>Percentages</u></th> </tr> </thead> <tbody> <tr> <td>June 22, 2016 to June 21, 2026</td> <td align="center">47.22%</td> </tr> <tr> <td>June 22, 2026 and thereafter</td> <td align="center">100.00</td> </tr> </tbody> </table> <p>Tax-Exempt Receipts in excess of scheduled principal payments on Series Bonds must be applied first to redeem the Series B July 2046 PAC Term bonds in accordance with the cumulative redemption schedule, and then, to the extent required by federal tax law, to redeem outstanding 2016 Series A Bonds or 2016 Series B Bonds selected by Agency option (other than the Series B July 2046 PAC Term bonds unless no other 2016 Series A Bonds or 2016 Series B Bonds are outstanding), and otherwise may be applied to redeem any outstanding Bonds at Agency option (including the Series Bonds (other than the Series B July 2046 PAC Term bonds)).</p> <p>Prepayments and scheduled repayments from the Transferred Taxable Loans in excess of scheduled principal payments on 2016 Series C Bonds will be applied first to redeem 2016 Series C Bonds and then to redeem any outstanding Bonds at Agency option (including the 2016 Series A Bonds and 2016 Series B Bonds (other than the Series B July 2046 PAC Term Bonds)).</p> <p><u>Excess Revenues:</u> Any outstanding Bonds at Agency option including the Series Bonds (other than the Series B July 2046 PAC Term bonds beyond their cumulative redemption schedule).</p>	<u>Dates</u>	<u>Percentages</u>	June 22, 2016 to June 21, 2026	47.22%	June 22, 2026 and thereafter	100.00
<u>Dates</u>	<u>Percentages</u>						
June 22, 2016 to June 21, 2026	47.22%						
June 22, 2026 and thereafter	100.00						

**Residential Housing Finance Bond Resolution
Summary of Special Redemption Provisions
Information as of December 31, 2019**

Residential Housing Finance 2016 Series D, E and F																							
Call From Unexpended Proceeds	N/A																						
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Call Priority From Prepayments or Excess Revenue	<p><u>Prepayments:</u> To the extent required by applicable federal tax law under the 10-Year Rule Requirements in the table below, prepayments and scheduled repayments from Transferred Program Loans and Program Loans backing Program Securities acquired with proceeds of 2018 Series A Bonds, 2018 Series B Bonds and 2018 Series D Bonds (the "Tax-Exempt Receipts") to redeem outstanding 2018 Series A Bonds, 2018 Series B Bonds or 2018 Series D Bonds, selected by the Agency.</p> <p>10-Year Rule Requirements</p> <table border="1"> <thead> <tr> <th><u>Dates</u></th> <th><u>Percentages</u></th> </tr> </thead> <tbody> <tr> <td>June 28, 2018 to June 30, 2020</td> <td>24.91%</td> </tr> <tr> <td>July 1, 2020 to June 30, 2021</td> <td>27.79</td> </tr> <tr> <td>July 1, 2021 to June 30, 2022</td> <td>29.73</td> </tr> <tr> <td>July 1, 2022 to June 30, 2023</td> <td>33.12</td> </tr> <tr> <td>July 1, 2023 to June 30, 2024</td> <td>37.64</td> </tr> <tr> <td>July 1, 2024 to June 30, 2025</td> <td>43.42</td> </tr> <tr> <td>July 1, 2025 to June 30, 2026</td> <td>51.93</td> </tr> <tr> <td>July 1, 2026 to June 27, 2028</td> <td>54.65</td> </tr> <tr> <td>June 28, 2028 and thereafter</td> <td>100.00</td> </tr> </tbody> </table> <p>Tax-Exempt Receipts in excess of scheduled principal payments on Series Bonds must be applied first to redeem the Series B July 2048 PAC Term bonds in accordance with the cumulative redemption schedule, and then, to the extent required by federal tax law, to redeem outstanding 2018 Series A Bonds, 2018 Series B Bonds or 2018 Series D Bonds selected by Agency option (other than the Series B July 2048 PAC Term bonds unless no other 2018 Series A Bonds, 2018 Series B Bonds or 2018 Series D Bonds are outstanding), and otherwise may be applied to redeem any outstanding Bonds at Agency option (including the Series Bonds (other than the Series B July 2048 PAC Term Bonds)).</p>	<u>Dates</u>	<u>Percentages</u>	June 28, 2018 to June 30, 2020	24.91%	July 1, 2020 to June 30, 2021	27.79	July 1, 2021 to June 30, 2022	29.73	July 1, 2022 to June 30, 2023	33.12	July 1, 2023 to June 30, 2024	37.64	July 1, 2024 to June 30, 2025	43.42	July 1, 2025 to June 30, 2026	51.93	July 1, 2026 to June 27, 2028	54.65	June 28, 2028 and thereafter	100.00
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	<p>Prepayments and scheduled repayments from the Program Loans backing Program Securities acquired with proceeds of the 2018 Series C Bonds in excess of scheduled principal payments on 2018 Series C Bonds will be applied first to redeem 2018 Series C Bonds and then to redeem any outstanding Bonds at Agency option (including the 2018 Series A Bonds, 2018 Series B Bonds and 2018 Series D Bonds (other than the Series B July 2048 PAC Term Bonds)).</p> <p><u>Excess Revenues:</u> Any outstanding Bonds at Agency option including the Series Bonds (other than the Series B July 2048 PAC Term Bonds beyond their cumulative redemption schedule).</p>
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Call From Unexpended Proceeds	N/A																						
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	<p>All prepayments must be applied first to redeem the Series E January 2049 PAC Term bonds in accordance with the cumulative redemption schedule. Tax-Exempt Receipts, to the extent required by federal tax law, must then be applied to redeem outstanding 2018 Series E Bonds, 2018 Series F Bonds or 2018 Series H Bonds selected by Agency option (other than the Series E January 2049 PAC Term bonds unless no other 2018 Series E Bonds, 2018 Series F Bonds or 2018 Series H Bonds are outstanding), and otherwise may be applied to redeem any outstanding Bonds at Agency option (including the Series Bonds (other than the Series E January 2049 PAC Term Bonds)).</p> <p>Prepayments and scheduled repayments from the Program Loans backing Program Securities allocable to the 2018 Series G Bonds in excess of scheduled principal payments on 2018 Series G Bonds will be applied first to redeem Series E January 2049 PAC Term Bonds, if Tax-Exempt Receipts are insufficient, then to redeem 2018 Series G Bonds and then to redeem any outstanding Bonds at Agency option (including the 2018 Series E Bonds, 2018 Series F Bonds and 2018 Series H Bonds (other than the Series E January 2049 PAC Term Bonds)).</p> <p><u>Excess Revenues:</u> Any outstanding Bonds at Agency option including the Series Bonds (other than the Series E January 2049 PAC Term bonds beyond their cumulative redemption schedule)</p>
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Call From Prepayments or Excess Revenue	Yes																								
Call Date From Prepayments or Excess Revenue	Anytime																								
Call Priority From Prepayments or Excess Revenue	<p><u>Prepayments:</u> To the extent required by applicable federal tax law under the 10-Year Rule Requirements in the table below, prepayments and scheduled repayments from Program Loans backing Program Securities, allocable to 2019 Series E Bonds and 2019 Series F Bonds (the "Tax-Exempt Receipts") to redeem outstanding 2019 Series E Bonds or 2019 Series F Bonds, selected by the Agency.</p> <p>10-Year Rule Requirements</p> <table border="0"> <thead> <tr> <th align="center"><u>Dates</u></th> <th align="center"><u>Percentages</u></th> </tr> </thead> <tbody> <tr> <td>September 11, 2019 to June 30, 2020</td> <td align="right">11.24%</td> </tr> <tr> <td>July 1, 2020 to June 30, 2021</td> <td align="right">14.03</td> </tr> <tr> <td>July 1, 2021 to June 30, 2022</td> <td align="right">16.76</td> </tr> <tr> <td>July 1, 2022 to June 30, 2023</td> <td align="right">23.25</td> </tr> <tr> <td>July 1, 2023 to June 30, 2024</td> <td align="right">30.03</td> </tr> <tr> <td>July 1, 2024 to June 30, 2025</td> <td align="right">39.72</td> </tr> <tr> <td>July 1, 2025 to June 30, 2026</td> <td align="right">53.52</td> </tr> <tr> <td>July 1, 2026 to June 30, 2027</td> <td align="right">56.29</td> </tr> <tr> <td>July 1, 2027 to June 30, 2028</td> <td align="right">62.27</td> </tr> <tr> <td>July 1, 2028 to September 10, 2029</td> <td align="right">64.44</td> </tr> <tr> <td>September 11, 2029 and thereafter</td> <td align="right">100.00</td> </tr> </tbody> </table>	<u>Dates</u>	<u>Percentages</u>	September 11, 2019 to June 30, 2020	11.24%	July 1, 2020 to June 30, 2021	14.03	July 1, 2021 to June 30, 2022	16.76	July 1, 2022 to June 30, 2023	23.25	July 1, 2023 to June 30, 2024	30.03	July 1, 2024 to June 30, 2025	39.72	July 1, 2025 to June 30, 2026	53.52	July 1, 2026 to June 30, 2027	56.29	July 1, 2027 to June 30, 2028	62.27	July 1, 2028 to September 10, 2029	64.44	September 11, 2029 and thereafter	100.00
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**Residential Housing Finance Bond Resolution
 Summary of Special Redemption Provisions
 Information as of December 31, 2019**

	<p>Tax-Exempt Receipts in excess of scheduled principal payments on Series Bonds must be applied first to redeem the Series F January 2050 PAC Term bonds in accordance with the cumulative redemption schedule, and then, to the extent required by federal tax law, to redeem outstanding 2019 Series E Bonds or 2019 Series F Bonds selected by Agency option (other than the Series F January 2050 PAC Term bonds unless no other 2019 Series E Bonds or 2019 Series F Bonds are outstanding), and otherwise may be applied to redeem any outstanding Bonds at Agency option (including the Series Bonds (other than the Series F January 2050 PAC Term Bonds)).</p> <p>Prepayments and scheduled repayments from the Program Loans backing Program Securities allocable to the 2019 Series G Bonds and 2019 Series H Bonds in excess of scheduled principal payments on 2019 Series G Bonds or 2019 Series H Bonds will be applied first to redeem 2019 Series G or 2019 Series H Bonds and then to redeem any outstanding Bonds at Agency option (including the 2019 Series E Bonds or 2019 Series F Bonds (other than the Series F January 2050 PAC Term Bonds)).</p> <p><u>Excess Revenues:</u> Any outstanding Bonds at Agency option including the Series Bonds (other than the Series F January 2050 PAC Term bonds beyond their cumulative redemption schedule).</p>
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**Residential Housing Finance Bond Resolution
Tax Restricted Prepayments and Repayments
Information as of December 31, 2019**



RHFB 2012 ABCD	
Date	Percent
12/31/2019	58.97%
04/26/2022	100.00%

RHFB 2013 ABC	
Date	Percent
12/31/2019	49.30%
01/01/2023	100.00%

RHFB 2014 A	
Date	Percent
12/31/2019	0.00%
03/26/2024	100.00%

RHFB 2014 B	
Date	Percent
12/31/2019	0.00%
04/30/2024	100.00%

RHFB 2014 CDE	
Date	Percent
12/31/2019	65.94%
12/16/2024	100.00%

RHFB 2015 ABCD	
Date	Percent
12/31/2019	47.52%
08/11/2025	100.00%

RHFB 2015 EFG	
Date	Percent
12/31/2019	56.73%
12/08/2025	100.00%

RHFB 2016 AB ¹	
Date	Percent
12/31/2019	47.22%
06/22/2026	100.00%

RHFB 2016 DEF	
Date	Percent
12/31/2019	41.04%
07/01/2020	43.95%
07/01/2021	46.82%
07/01/2022	48.51%
07/01/2023	52.74%
07/01/2024	56.34%
07/01/2025	60.83%
12/22/2026	100.00%

RHFB 2017 ABC	
Date	Percent
12/31/2019	67.07%
07/01/2020	68.53%
07/01/2021	69.87%
07/01/2022	72.18%
07/01/2023	76.38%
07/01/2024	80.07%
07/01/2025	85.40%
07/01/2026	85.82%
07/19/2027	100.00%

RHFB 2017 DEF	
Date	Percent
12/31/2019	26.99%
07/01/2020	28.30%
07/01/2021	29.31%
07/01/2022	30.95%
07/01/2023	33.78%
07/01/2024	35.97%
07/01/2025	39.84%
07/01/2026	40.37%
12/21/2027	100.00%

RHFB 2018 ABD ²	
Date	Percent
12/31/2019	24.91%
07/01/2020	27.79%
07/01/2021	29.73%
07/01/2022	33.12%
07/01/2023	37.64%
07/01/2024	43.42%
07/01/2025	51.93%
07/01/2026	54.65%
07/28/2028	100.00%

RHFB 2018 EFH ³	
Date	Percent
12/31/2019	11.30%
07/01/2020	13.54%
07/01/2021	15.69%
07/01/2022	17.40%
07/01/2023	23.60%
07/01/2024	27.15%
07/01/2025	34.92%
07/01/2026	36.13%
07/01/2027	37.74%
12/12/2028	100.00%

RHFB 2019 ABD ⁴	
Date	Percent
12/31/2019	28.92%
07/01/2020	29.41%
07/01/2021	29.90%
07/01/2022	30.36%
07/01/2023	31.51%
07/01/2024	33.07%
07/01/2025	34.90%
07/01/2026	35.15%
07/01/2027	36.12%
04/11/2029	100.00%

RHFB 2019 EF ⁵	
Date	Percent
12/31/2019	28.92%
07/01/2020	29.41%
07/01/2021	29.90%
07/01/2022	30.36%
07/01/2023	31.51%
07/01/2024	33.07%
07/01/2025	34.90%
07/01/2026	35.15%
07/01/2027	36.12%
04/11/2029	100.00%

- 1 Although the RHFB 2016 AB Bonds were issued with the RHFB 2016 Series C Bonds (Taxable), the percentages shown above relate only to the prepayments and repayments from the Transferred Tax-Exempt Loans, the Transferred Tax-Exempt Participation Loans and the Program Loans backing Program Securities acquired with proceeds of the 2016 Series B Bonds. The prepayments and repayments from the Transferred Taxable Loans are not tax-restricted, but are dedicated to payment of the 2016 Series C Bonds.
- 2 Although the RHFB 2018 ABD Bonds were issued with the RHFB 2018 Series C Bonds (Taxable), the percentages shown above relate only to the prepayments and repayments from the Transferred Program Loans and the Program Loans backing Program Securities acquired with proceeds of the 2018 Series ABD Bonds. The prepayments and repayments from the Program Loans backing Program Securities acquired with proceeds of the 2018 Series C Bonds are not tax-restricted, but are dedicated to payment of the 2018 Series C Bonds.
- 3 Although the RHFB 2018 EFH Bonds were issued with the RHFB 2018 Series G Bonds (Taxable), the percentages shown above relate only to the prepayments and repayments from the Transferred Program Loans and the Program Loans backing Program Securities acquired with proceeds of the 2018 Series EFH Bonds. The prepayments and repayments from the Program Loans backing Program Securities acquired with proceeds of the 2018 Series G Bonds are not tax-restricted, but are dedicated to payment of the 2018 Series G Bonds.
- 4 Although the RHFB 2019 ABD Bonds were issued with the RHFB 2019 Series C Bonds (Taxable), the percentages shown above relate only to the prepayments and repayments from the Transferred Program Loans and the Program Loans backing Program Securities acquired with proceeds of the 2019 Series ABD Bonds. The prepayments and repayments from the Program Loans backing Program Securities acquired with proceeds of the 2019 Series C Bonds are not tax-restricted, but are dedicated to payment of the 2019 Series C Bonds.
- 5 Although the RHFB 2019 EF Bonds were issued with the RHFB 2019 Series G (Taxable) and 2019 H Bonds (Taxable), the percentages shown above relate only to the prepayments and repayments from the Transferred Program Loans and the Program Loans backing Program Securities acquired with proceeds of the 2019 Series EF Bonds. The prepayments and repayments from the Program Loans backing Program Securities acquired with proceeds of the 2019 Series GH Bonds are not tax-restricted, but are dedicated to payment of the 2019 Series GH Bonds.

**Residential Housing Finance Bond Resolution
Investments
Information as of December 31, 2019**



Series	Fund	Investment Type	Maturity Date	Interest Rate	Par
None	Revenue	FHLMC	3/15/2031	6.75000 %	\$ 826,000
None	Revenue	FNMA POOL #AH0096	12/1/2040	3.32500	443,704
None	Revenue	GNMA II POOL #755394	7/20/2040	4.25000	69,285
None	Revenue	GNMA II POOL #755398	7/20/2040	4.75000	124,164
None	Revenue	GNMA II POOL #755421	11/20/2040	4.00000	172,685
None	Revenue	GNMA II POOL #755715	12/20/2040	4.00000	314,777
None	Revenue	GNMA II Pool #755712	12/20/2040	3.37500	217,290
None	Revenue	GNMA II POOL #755719	11/20/2040	4.50000	265,361
None	Revenue	GNMA II POOL #755884	1/20/2041	3.62500	188,420
None	Revenue	GNMA II POOL #755885	1/20/2041	3.87500	359,589
None	Revenue	GNMA II Pool #755996	1/20/2041	4.12500	89,156
None	Revenue	GNMA II POOL #755997	1/20/2041	4.37500	106,942
None	Revenue	GNMA II POOL #755998	7/20/2040	4.62500	118,368
None	Revenue	GNMA II POOL #756018	1/20/2041	4.12500	133,066
None	Revenue	GNMA II POOL #756055	1/20/2041	4.12500	128,513
None	Revenue	GNMA II POOL #755753	1/20/2041	3.37500	164,366
None	Revenue	GNMA II Pool #755735	1/20/2041	3.37500	283,045
None	Revenue	GNMA II Pool #755737	1/20/2041	3.87500	293,431
None	Revenue	GNMA II Pool #755714	12/20/2040	3.87500	79,462
None	Revenue	GNMA II Pool #755799	1/20/2041	3.62500	107,199
None	Revenue	GNMA II Pool #AF0609	7/20/2043	2.50000	746,985
None	Revenue	FNMA POOL #AH5485	1/1/2041	4.12500	49,796
None	Revenue	FNMA Pool #AT9858	5/1/2043	2.90000	355,316
None	Revenue	FNMA Pool #AU7184	5/1/2043	3.00000	188,605
None	Revenue	FNMA Pool #AU7183	7/1/2043	3.00000	1,293,413
None	Revenue	Treasury Bond	8/15/2020	8.75000	370,000
None	Revenue	Treasury Bond	8/15/2021	8.12500	1,195,000
None	Revenue	Treasury Bond	2/15/2023	7.12500	3,415,000
None	Revenue	Government Money Market Fund	Daily	1.51256	49,677,025
06LMN	Bond Fund Interest	Government Money Market Fund	Daily	1.51256	9,936
06LMN	Bond Fund Principal	Government Money Market Fund	Daily	1.51256	5,000
06LMN	Debt Service Reserve	Government Money Market Fund	Daily	1.51256	14,195
06LMN	Revenue	Government Money Market Fund	Daily	1.51256	233,732
07M	Bond Fund Interest	Government Money Market Fund	Daily	1.51256	501,890
07M	Debt Service Reserve	Transamerica Life Insurance Company Inv. Agmt.	7/1/2048	5.26000	434,700
07M	Debt Service Reserve	Government Money Market Fund	Daily	1.51256	14,527
07M	Revenue	Government Money Market Fund	Daily	1.51256	1,368,501
12ABCD	Bond Fund Interest	Government Money Market Fund	Daily	1.51256	747,204
12ABCD	Bond Fund Principal	Government Money Market Fund	Daily	1.51256	1,260,000
12ABCD	Debt Service Reserve	FNMA Pool #AT7540	7/1/2043	2.90000	394,793
12ABCD	Debt Service Reserve	Government Money Market Fund	Daily	1.51256	1,220,311
12ABCD	Revenue	Government Money Market Fund	Daily	1.51256	2,932,088
13ABC	Bond Fund Interest	Government Money Market Fund	Daily	1.51256	548,373
13ABC	Bond Fund Principal	Government Money Market Fund	Daily	1.51256	1,100,000
13ABC	Debt Service Reserve	FNMA Pool #AT7541	7/1/2043	3.02500	683,040
13ABC	Debt Service Reserve	Government Money Market Fund	Daily	1.51256	623,413

**Residential Housing Finance Bond Resolution
Investments
Information as of December 31, 2019**



Series	Fund	Investment Type	Maturity Date	Interest Rate	Par
13ABC	Revenue	Government Money Market Fund	Daily	1.51256 %	\$ 1,610,190
14A	Bond Fund Interest	Government Money Market Fund	Daily	1.51256	212,404
14A	Bond Fund Principal	Government Money Market Fund	Daily	1.51256	280,000
14A	Debt Service Reserve	Government Money Market Fund	Daily	1.51256	479,250
14A	Revenue	Government Money Market Fund	Daily	1.51256	1,778,546
14B	Bond Fund Interest	Government Money Market Fund	Daily	1.51256	197,944
14B	Bond Fund Principal	Government Money Market Fund	Daily	1.51256	186,667
14B	Debt Service Reserve	Government Money Market Fund	Daily	1.51256	451,050
14B	Revenue	Government Money Market Fund	Daily	1.51256	1,753,530
14CDE	Bond Fund Interest	Government Money Market Fund	Daily	1.51256	1,811,135
14CDE	Bond Fund Principal	Government Money Market Fund	Daily	1.51256	3,077,500
14CDE	Debt Service Reserve	Government Money Market Fund	Daily	1.51256	3,528,750
14CDE	Revenue	Government Money Market Fund	Daily	1.51256	5,374,413
15ABCD	Bond Fund Interest	Government Money Market Fund	Daily	1.51256	838,625
15ABCD	Bond Fund Principal	Government Money Market Fund	Daily	1.51256	965,000
15ABCD	Debt Service Reserve	FNMA POOL #AT7535	6/1/2043	2.77500	534,372
15ABCD	Debt Service Reserve	FNMA POOL #AU3005	6/1/2043	2.90000	321,402
15ABCD	Debt Service Reserve	GNMA II POOL #AC8310	1/20/2043	2.50000	56,053
15ABCD	Debt Service Reserve	Government Money Market Fund	Daily	1.51256	1,554,622
15ABCD	Revenue	Government Money Market Fund	Daily	1.51256	5,082,852
15EFG	Bond Fund Interest	Government Money Market Fund	Daily	1.51256	985,129
15EFG	Bond Fund Principal	Government Money Market Fund	Daily	1.51256	1,225,000
15EFG	Debt Service Reserve	FNMA POOL #AH099	12/1/2040	3.45000	97,414
15EFG	Debt Service Reserve	Government Money Market Fund	Daily	1.51256	3,489,702
15EFG	Revenue	Government Money Market Fund	Daily	1.51256	10,238,701
16ABC	Bond Fund Interest	Government Money Market Fund	Daily	1.51256	1,357,863
16ABC	Bond Fund Principal	Government Money Market Fund	Daily	1.51256	1,355,000
16ABC	Debt Service Reserve	FNMA Pool #AT9856	6/1/2043	2.65000	198,589
16ABC	Debt Service Reserve	FNMA Pool #AH5520	12/1/2040	3.45000	711,902
16ABC	Debt Service Reserve	GNMA II Pool #AC8376	2/20/2043	2.87500	541,033
16ABC	Debt Service Reserve	Government Money Market Fund	Daily	1.51256	1,894,506
16ABC	Revenue	Government Money Market Fund	Daily	1.51256	4,699,890
16DEF	Acquisition	Government Money Market Fund	Daily	1.51256	5,034
16DEF	Bond Fund Interest	Government Money Market Fund	Daily	1.51256	884,518
16DEF	Bond Fund Principal	Government Money Market Fund	Daily	1.51256	1,175,000
16DEF	Debt Service Reserve	Government Money Market Fund	Daily	1.51256	910,137
16DEF	Revenue	Government Money Market Fund	Daily	1.51256	4,878,968
17ABC	Bond Fund Interest	Government Money Market Fund	Daily	1.51256	833,911
17ABC	Bond Fund Principal	Government Money Market Fund	Daily	1.51256	970,000
17ABC	Debt Service Reserve	Government Money Market Fund	Daily	1.51256	1,518,257
17ABC	Revenue	Government Money Market Fund	Daily	1.51256	4,026,986
17DEF	Bond Fund Interest	Government Money Market Fund	Daily	1.51256	1,442,460
17DEF	Bond Fund Principal	Government Money Market Fund	Daily	1.51256	1,320,000
17DEF	Debt Service Reserve	Government Money Market Fund	Daily	1.51256	743,671
17DEF	Revenue	Government Money Market Fund	Daily	1.51256	3,928,632
18ABCD	Bond Fund Interest	Government Money Market Fund	Daily	1.51256	1,512,459

**Residential Housing Finance Bond Resolution
Investments
Information as of December 31, 2019**



Series	Fund	Investment Type	Maturity Date	Interest Rate	Par
18ABCD	Bond Fund Principal	Government Money Market Fund	Daily	1.51256	1,255,000
18ABCD	Debt Service Reserve	Government Money Market Fund	Daily	1.51256	562,625
18ABCD	Revenue	Government Money Market Fund	Daily	1.51256	4,184,962
18EFGH	Bond Fund Interest	Government Money Market Fund	Daily	1.51256	2,251,193
18EFGH	Bond Fund Principal	Government Money Market Fund	Daily	1.51256	1,170,000
18EFGH	Revenue	Government Money Market Fund	Daily	1.51256	4,606,468
19ABCD	Bond Fund Interest	Government Money Market Fund	Daily	1.51256	2,459,548
19ABCD	Bond Fund Principal	Government Money Market Fund	Daily	1.51256	2,800,000
19ABCD	Debt Service Reserve	Government Money Market Fund	Daily	1.51256	931,100
19ABCD	Revenue	Government Money Market Fund	Daily	1.51256	5,651,550
19EFGH	Acquisition	Government Money Market Fund	Daily	1.51256	312,069
19EFGH	Bond Fund Interest	Government Money Market Fund	Daily	1.51256	1,280,046
19EFGH	Bond Fund Principal	Government Money Market Fund	Daily	1.51256	269,824
19EFGH	Revenue	Government Money Market Fund	Daily	1.51256	714,820
					<u>\$ 183,355,938</u>

Residential Housing Finance Bond Resolution
Debt Service Reserve Requirement
Information as of December 31, 2019

Debt Service Reserve Fund (all series combined)

Debt Service Reserve Requirement

\$18,423,748

Value (Per Resolution)

\$21,831,080