



Residential Housing Finance Bond Resolution

Quarterly Disclosure Report
Information as of December 31, 2018
Published February 15, 2019

TRUSTEE:

Wells Fargo Bank, National Association
600 South 4th Street, N9300-060
Minneapolis, MN 55415
Contact: Lisa Lewis, Vice President
(612) 667-3717
FAX: (612) 478-5381
[E-Mail: Lisa.M.Lewis@wellsfargo.com](mailto:Lisa.M.Lewis@wellsfargo.com)

AGENCY:

Minnesota Housing Finance Agency
400 Wabasha Street North-Suite 400
St. Paul, MN 55102
Contact: Terry Schwartz, Finance Director
(651) 296-2404
(651) 297-2361 TDD
FAX: (651) 296-8139
[E-Mail: Terry.Schwartz@state.mn.us](mailto:Terry.Schwartz@state.mn.us)

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.

*Equal Opportunity Housing and Equal Opportunity Employment
This publication is available upon request in alternative formats.*

TABLE OF CONTENTS

	Page
Disclaimer	A-1
General	
Overview	B-1
Whole Loan Mortgages	C-1
Bonds, Loans and Mortgage-Backed Securities Outstanding, Remaining Acquisition Fund	D-1
Mortgage-Backed Securities Purchased with Bond Proceeds	E-1
Insurance	
Whole Loan Mortgage Insurance	F-1
Status Reports	
Whole Loan Mortgages Delinquency and Foreclosure Statistics	G-1
Whole Loan Mortgages Real Estate Owned Activity on Uninsured Loans	H-1
Whole Loan Mortgages Insurance Claims Activity	I-1
Whole Loan Mortgages FHA Mortgage Insurance/VA Guaranty Pending Claims	J-1
Whole Loan Mortgages Real Estate Owned /Completed Insurance Claims Activity	K-1
Whole Loan Mortgages Prepayment Report	L-1
Mortgage-Backed Securities Prepayment Report	M-1
Bonds	
Source of Funds Used to Call Bonds	N-1
Interest Rate Swap Information	O-1
Bonds Outstanding and Call Priority	P-1
Summary of Special Redemption Provisions	Q-1
Tax Restricted Prepayments	R-1
Investments	S-1
Reserve Requirements	T-1

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, 2018 (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, 2018. 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, 2018**

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, 2018. 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, 2018**



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	1,441,481,468	215,562,475	822,165,745	401,248,790	2,504,458	4.42 %
06LMN	20,334,227	3,491,979	9,673,526	6,338,927	829,795	5.32
07M	51,601,162	1,217,059	28,148,939	12,681,895	9,553,269	5.30
07M-40 Year	13,786,495	734,013	3,718,951	5,444,490	3,889,041	5.21
09DEF	123,184,490	16,811,804	60,414,102	13,861,343	32,097,241	5.54
12ABCD	96,047,766	13,302,359	43,111,549	7,727,570	31,906,288	5.60
13ABC	42,482,583	6,361,064	16,015,542	3,220,737	16,885,240	5.25
14A	15,938,679	3,055,742	5,993,711	176,926	6,712,300	6.10
14B	15,978,942	3,724,573	4,448,270	302,517	7,503,582	5.91
14CDE	147,424,535	12,885,184	50,477,113	7,464,746	76,597,492	5.04
15ABCD	52,474,015	3,410,311	20,097,222	3,246,899	25,719,583	5.14
15ABCD-40 Year	3,064,439	72,711	1,137,991	356,538	1,497,199	5.02
15EFG	80,106,833	5,378,325	24,087,028	3,594,344	47,047,136	5.22
15EFG-40 year	15,680,365	445,060	5,444,758	1,611,190	8,179,357	5.13
16ABC	59,751,015	2,910,805	21,984,270	3,152,447	31,703,493	5.40
16ABC-40 year	22,027,528	586,500	6,739,654	1,177,321	13,524,053	4.98
16DEF	27,242,103	1,569,979	6,833,052	758,273	18,080,799	5.55
16DEF-40 year	8,084,772	175,290	1,766,750	349,835	5,792,897	5.21
17ABC	45,579,077	1,451,473	9,435,386	687,260	34,004,958	5.39
17ABC-40 year	12,928,653	224,617	2,609,707	167,388	9,926,941	5.42
17DEF	20,736,955	511,232	3,322,755	635,815	16,267,153	5.40
17DEF-40 year	5,841,813	87,737	577,220	-	5,176,856	5.24
18ABCD	19,253,174	444,601	1,220,990	-	17,587,583	5.01
Total	\$ 2,341,031,089	\$ 294,414,893	\$ 1,149,424,231	\$ 474,205,251	\$ 422,986,714	5.2942 %

**Residential Housing Finance Bond Resolution
Whole Loan Mortgages
Information as of December 31, 2018**



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	12,933.7	9,550.9	3,330.8	52.0
06LMN	157.0	95.0	55.0	7.0
07M	435.3	231.8	100.6	102.9
07M-40 Year	87.6	26.2	34.0	27.4
09DEF	1,627.0	911.5	149.0	566.5
12ABCD	1,411.0	663.5	109.5	638.0
13ABC	641.0	261.5	45.5	334.0
14A	381.0	157.0	3.0	221.0
14B	419.0	179.0	5.0	235.0
14CDE	1,554.0	549.5	77.0	927.5
15ABCD	538.0	213.5	33.5	291.0
15ABCD-40 Year	20.0	8.0	2.0	10.0
15EFG	886.0	268.0	36.5	581.5
15EFG-40 year	105.0	37.0	11.0	57.0
16ABC	567.0	197.5	28.0	341.5
16ABC-40 year	151.0	47.0	8.0	96.0
16DEF	392.3	97.0	10.2	285.1
16DEF-40 year	55.6	12.6	2.4	40.6
17ABC	518.0	99.0	8.5	410.5
17ABC-40 year	102.0	18.0	1.0	83.0
17DEF	226.0	31.0	6.0	189.0
17DEF-40 year	48.0	6.0	-	42.0
18ABCD	307.5	18.0	-	289.5
Total	23,563.0	13,678.5	4,056.5	5,828.0

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, 2018



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	\$ -	\$2,504,458	\$ -	\$ -	\$ -	\$ -	4.42 %
06LMN	585,000	829,795	-	-	-	-	5.32
07M	18,215,000	13,442,309	-	-	-	-	5.30
09DEF	42,105,000	32,097,242	9,880,991	-	-	-	5.54 (09DEF mortgages)
12ABCD	50,585,000	31,906,288	26,278,993	-	-	-	4.63 (09DEF mortgage-backed securities)
13ABC	40,715,000	16,885,240	21,862,175	-	-	-	5.60 (12ABCD mortgages)
14A	19,040,000	6,712,300	28,631,716	-	-	-	3.52 (12ABCD mortgage-backed securities)
14B	18,090,000	7,503,582	26,573,175	-	-	-	5.25 (13ABC mortgages)
14CDE	127,010,000	76,597,493	46,981,850	-	-	-	2.63 (13ABC mortgage-backed securities)
15ABCD	78,710,000	27,216,782	44,141,244	-	-	-	6.10 (14A mortgages)
15EFG	114,390,000	55,226,493	55,755,438	-	-	-	3.21 (14A mortgage-backed securities)
16ABC	104,975,000	45,227,546	62,052,735	-	-	-	5.91 (14B mortgages)
16DEF	115,475,000	23,873,696	87,627,916	-	-	-	3.34 (14B mortgage-backed securities)
17ABC	103,965,000	43,931,898	56,506,283	-	-	-	5.04 (14CDE mortgages)
17DEF	137,485,000	21,444,009	115,083,537	-	-	-	3.51 (14CDE mortgage-backed securities)
18ABCD	130,860,000	17,587,583	122,630,258	-	-	-	5.14 (15ABCD mortgages)
18EFGH	150,000,000	-	150,754,434	-	-	-	3.27 (15ABCD mortgage-backed securities)
	\$ 1,252,205,000	\$ 422,986,714	\$ 854,760,745	\$ -	\$ -	\$ -	5.22 (15EFG mortgages)
							3.54 (15EFG mortgage-backed securities)
							5.40 (16ABC mortgages)
							3.42 (16ABC mortgage-backed securities)
							5.55 (16DEF mortgages)
							3.08 (16DEF mortgage-backed securities)
							5.39 (17ABC mortgages)
							3.72 (17ABC mortgage-backed securities)
							5.40 (17DEF mortgages)
							3.56 (17DEF mortgage-backed securities)
							5.01 (18ABCD mortgages)
							4.07 (18ABCD mortgage-backed securities)
							4.36 (18EFGH mortgage-backed securities)
							4.63 %

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



2009 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>
728666	GNMA II	4.250 %	\$ 146,599	\$ 61,067
743566	GNMA II	4.250	90,944	76,458
728516	GNMA II	4.625	7,021,096	2,683,085
728614	GNMA II	4.625	1,382,011	327,401
728262	GNMA II	4.875	994,000	254,361
728517	GNMA II	4.875	2,201,720	519,878
728615	GNMA II	4.875	259,976	-
735235	GNMA II	4.875	169,063	-
728263	GNMA II	5.000	137,148	-
728518	GNMA II	5.000	525,856	-
728264	GNMA II	5.125	131,165	-
728616	GNMA II	5.125	136,999	-
AC9191	FNMA	4.562	251,697	52,342
AC6443	FNMA	4.937	143,522	-
AC6444	FNMA	5.187	309,489	158,739
Subtotal			13,901,285	4,133,330

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



2009 DEF, continued

09DEF Participation Interest in the following Mortgage-Backed Securities
(one-half of the principal payments but none of the interest payments paid
to 09DEF)

<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>
728515	GNMA II	4.500 %	\$ 5,772,392	\$ 1,702,242
728534	GNMA II	4.500	3,165,225	724,700
728613	GNMA II	4.500	4,906,470	1,046,767
728261	GNMA II	4.625	1,388,274	289,108
728535	GNMA II	4.625	1,061,740	409,504
728536	GNMA II	4.875	427,435	139,434
728537	GNMA II	5.000	82,472	-
728519	GNMA II	5.125	442,344	312,396
728538	GNMA II	5.125	153,378	-
735236	GNMA II	5.125	78,419	35,678
AC9166	FNMA	4.562	315,551	206,645
AC9177	FNMA	4.562	90,196	75,889
AC9180	FNMA	4.687	64,784	-
AC9167	FNMA	4.937	85,625	-
AC9181	FNMA	5.187	59,767	-
735437	GNMA II	4.375	96,238	-
747780	GNMA II	4.375	77,205	-
735540	GNMA II	4.500	4,303,546	1,482,328
743212	GNMA II	4.500	450,062	115,482
743228	GNMA II	4.500	121,688	-
747576	GNMA II	4.500	834,588	193,037
747684	GNMA II	4.500	1,552,935	752,713
751069	GNMA II	4.500	627,065	536,258
751083	GNMA II	4.500	1,179,104	477,980
735284	GNMA II	4.625	1,408,975	299,213

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



2009 DEF, continued

09DEF Participation Interest in the following Mortgage-Backed Securities
(one-half of the principal payments but none of the interest payments paid to
09DEF), continued

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
735439	GNMA II	4.625 %	\$ 544,464	\$ 248,868
747509	GNMA II	4.625	1,658,314	815,853
747822	GNMA II	4.625	692,065	436,002
735440	GNMA II	4.750	577,825	-
735542	GNMA II	4.750	997,704	313,242
743214	GNMA II	4.750	137,340	-
AD6803	FNMA	4.500	87,851	12,830
AD6815	FNMA	4.500	217,208	-
AE2054	FNMA	4.500	259,873	-
AE2712	FNMA	4.500	108,193	-
AD2647	FNMA	4.562	280,053	-
AD2660	FNMA	4.562	335,820	104,234
AD3417	FNMA	4.562	449,308	255,126
AD3424	FNMA	4.562	100,335	85,676
AD4234	FNMA	4.562	237,044	157,423
AD4246	FNMA	4.562	240,606	190,104
AD5859	FNMA	4.625	118,921	-
AE2713	FNMA	4.625	70,518	-
AD5863	FNMA	4.750	236,686	76,589
AE6279	FNMA	4.750	91,935	-
Subtotal			36,187,540	11,495,322
MBS Participation Interest (50%)			18,093,770	5,747,661
2009 DEF Total			\$ 31,995,055	\$ 9,880,991

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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	\$ 1,196,378
AO1087	FNMA	3.275	118,225	45,254
AO2408	FNMA	3.275	302,503	-
AO2409	FNMA	3.275	110,037	-
AO3786	FNMA	3.275	460,486	125,363
AO5861	FNMA	3.275	73,491	63,470
AO5869	FNMA	3.275	155,770	-
AO0387	FNMA	3.400	215,938	78,007
AO1088	FNMA	3.400	102,252	-
AO2413	FNMA	3.650	97,465	-
AO2414	FNMA	3.650	218,860	190,578
AO3787	FNMA	3.650	230,530	70,555
AO5862	FNMA	3.650	226,837	198,746
AO1089	FNMA	3.775	306,942	268,226
AO1090	FNMA	3.775	102,861	89,954
AO1099	FNMA	3.775	103,790	-
AO3779	FNMA	3.775	88,880	76,406
Subtotal			5,730,298	2,402,937

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 43,967
AA0282	GNMA II	3.375	88,231	76,600
AA0342	GNMA II	3.375	177,369	-
AA0401	GNMA II	3.375	88,982	77,284
793301	GNMA II	3.750	2,811,748	1,207,774
799957	GNMA II	3.750	2,722,740	1,241,439
799958	GNMA II	3.875	169,926	148,798
AO3773	FNMA	3.650	51,642	45,470
AO5870	FNMA	3.650	180,482	80,251
AB1497	GNMA II	3.000	212,877	127,181
AB1556	GNMA II	3.000	214,752	186,012
AB1724	GNMA II	3.000	413,923	162,222
AB1919	GNMA II	3.000	488,124	187,150
AB1725	GNMA II	3.125	304,729	105,542
AB1880	GNMA II	3.125	248,035	-
AB1904	GNMA II	3.125	84,033	-
AB1920	GNMA II	3.125	320,009	171,733

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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	\$ 189,205
AB1446	GNMA II	3.375	278,876	102,472
AB1618	GNMA II	3.500	421,599	53,766
AB1883	GNMA II	3.500	234,985	115,192
AB1923	GNMA II	3.500	385,053	120,768
AB1503	GNMA II	3.625	308,974	82,835
AB1561	GNMA II	3.625	258,242	89,843
AB1619	GNMA II	3.625	136,854	120,051
AB1646	GNMA II	3.625	378,903	100,038
AB1729	GNMA II	3.625	397,359	-
AB1767	GNMA II	3.625	158,319	138,788
AB1908	GNMA II	3.625	407,184	114,689
AB1924	GNMA II	3.625	62,523	-
AB2030	GNMA II	3.625	185,414	161,806
Subtotal			12,692,962	5,250,875
MBS Participation Interest (50.0031%)			6,346,874	2,625,600

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 564,733
AA0163	GNMA II	3.250	1,662,807	543,010
AA0281	GNMA II	3.250	2,286,836	979,365
AA0164	GNMA II	3.375	629,700	288,397
AA0198	GNMA II	3.375	88,309	-
AB1466	GNMA II	3.375	500,702	233,704
AA0076	GNMA II	3.625	2,059,751	556,663
AA0105	GNMA II	3.625	2,128,674	721,915
AA0165	GNMA II	3.625	2,775,509	1,437,461
AA0199	GNMA II	3.625	1,624,843	690,183
AA0077	GNMA II	3.750	591,767	213,346
AA0106	GNMA II	3.750	787,881	236,649
AA0166	GNMA II	3.750	630,630	331,022
AA0200	GNMA II	3.750	200,358	174,924
AA0284	GNMA II	3.750	95,198	-
AA0344	GNMA II	3.750	142,779	-
799890	GNMA II	4.000	79,297	68,529
799891	GNMA II	4.250	105,121	-
775568	GNMA II	3.375	860,742	617,038
775591	GNMA II	3.375	245,129	95,342
775599	GNMA II	3.375	581,951	66,227
775660	GNMA II	3.375	694,558	331,536
775708	GNMA II	3.375	391,681	279,253
775724	GNMA II	3.375	620,960	373,589
792333	GNMA II	3.375	137,417	118,529

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 335,747
792402	GNMA II	3.375	338,061	193,150
792437	GNMA II	3.375	179,393	-
792474	GNMA II	3.375	118,586	102,853
775569	GNMA II	3.500	302,172	143,426
775592	GNMA II	3.500	57,308	49,799
775661	GNMA II	3.500	544,072	200,545
775709	GNMA II	3.500	221,472	192,439
775725	GNMA II	3.500	70,112	-
792334	GNMA II	3.500	165,019	143,396
792370	GNMA II	3.500	147,233	122,825
792403	GNMA II	3.500	130,749	113,580
775472	GNMA II	3.750	339,576	296,606
775570	GNMA II	3.750	406,357	109,283
775593	GNMA II	3.750	819,660	286,908
775600	GNMA II	3.750	432,456	140,157
775662	GNMA II	3.750	1,130,068	732,362
775710	GNMA II	3.750	481,146	223,811
775726	GNMA II	3.750	469,492	357,724
792335	GNMA II	3.750	559,141	287,816
792371	GNMA II	3.750	640,200	131,403
775571	GNMA II	3.875	213,634	106,795
775594	GNMA II	3.875	1,086,404	456,162
775663	GNMA II	3.875	658,054	259,144
775711	GNMA II	3.875	271,899	-
775727	GNMA II	3.875	292,380	128,608

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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	\$ 41,402
792372	GNMA II	3.875	124,372	60,263
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	101,301
775712	GNMA II	4.000	112,806	-
775676	GNMA II	4.125	153,278	134,675
775713	GNMA II	4.125	84,659	-
774854	GNMA II	4.250	581,713	238,735
774888	GNMA II	4.250	207,383	58,115
775596	GNMA II	4.250	366,413	-
775677	GNMA II	4.250	415,662	-
775714	GNMA II	4.250	199,022	110,675
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	69,609
Subtotal			35,917,191	14,850,730
MBS Participation Interest (50.0021%)			17,959,350	7,425,677

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 778,193
AA0469	GNMA II	3.625	1,650,089	841,914
799861	GNMA II	3.750	1,863,656	525,711
AC8104	GNMA II	2.875	4,097,610	1,917,912
AB2093	GNMA II	3.125	271,185	-
AC7756	GNMA II	3.125	637,851	180,111
Subtotal			10,013,682	4,243,842
MBS Participation Interest (50.0019%)			5,007,031	2,122,001

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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	\$ 43,115
799886	GNMA II	3.250	495,166	121,250
799954	GNMA II	3.250	931,842	462,520
AA0003	GNMA II	3.250	202,922	75,300
AA0074	GNMA II	3.250	1,667,721	519,708
AA0341	GNMA II	3.250	1,943,418	1,061,407
AA0400	GNMA II	3.250	1,699,366	544,319
AA0467	GNMA II	3.250	1,166,842	545,870
AB1465	GNMA II	3.250	492,658	275,699
793298	GNMA II	3.375	1,284,543	711,048
799859	GNMA II	3.375	1,311,886	767,389
799887	GNMA II	3.375	930,061	278,949
AA0004	GNMA II	3.375	790,402	681,924
AA0075	GNMA II	3.375	591,125	205,701
AA0508	GNMA II	3.375	106,710	-
AB1500	GNMA II	3.375	96,759	-
799860	GNMA II	3.625	500,928	255,379
799888	GNMA II	3.625	709,598	304,375
799956	GNMA II	3.625	981,586	211,905
AA0005	GNMA II	3.625	1,000,098	607,042
AA0283	GNMA II	3.625	2,151,221	596,146
AA0343	GNMA II	3.625	2,509,161	1,401,212
799889	GNMA II	3.750	1,010,556	262,146
AA0014	GNMA II	3.750	886,095	524,145
AA0403	GNMA II	3.750	281,417	88,263

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AR0865	FNMA	2.525 %	\$ 47,821	\$ -
AR2963	FNMA	2.525	98,798	77,626
AR5611	FNMA	2.525	94,711	82,662
AR5614	FNMA	2.525	925,382	817,155
AR5616	FNMA	2.525	1,159,097	485,625
AR5617	FNMA	2.525	1,331,635	744,693
AR5619	FNMA	2.525	144,826	-
AR5620	FNMA	2.525	451,925	197,754
AR8764	FNMA	2.525	267,323	69,181
AR8770	FNMA	2.525	84,793	74,514
AR8772	FNMA	2.525	82,508	-
AT1907	FNMA	2.525	224,485	53,922
AT1917	FNMA	2.525	109,673	96,436
AT1921	FNMA	2.525	186,999	140,783
AT4624	FNMA	2.525	2,331,268	1,407,868
AT4628	FNMA	2.525	655,444	206,575
AT4633	FNMA	2.525	641,811	544,566
AT4742	FNMA	2.525	248,978	156,639
AT6228	FNMA	2.525	59,752	52,481
AQ9144	FNMA	2.530	80,418	66,883
AR5615	FNMA	2.650	134,553	114,494
AT1922	FNMA	2.650	128,883	-
AT3840	FNMA	2.650	76,105	-
AT4625	FNMA	2.650	324,103	287,925

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AT6229	FNMA	2.650 %	\$ 293,053	\$ 254,812
AR8778	FNMA	2.775	75,520	66,726
AT1918	FNMA	2.775	142,319	-
AT1923	FNMA	2.775	103,253	89,169
AT4758	FNMA	2.775	214,584	78,460
AR5605	FNMA	2.900	73,328	-
AR8765	FNMA	2.900	37,442	33,037
AR8771	FNMA	2.900	226,641	69,169
AR8776	FNMA	2.900	99,476	87,256
AR8779	FNMA	2.900	139,561	-
AT1045	FNMA	2.900	218,574	176,600
AT1908	FNMA	2.900	83,511	72,292
AT1924	FNMA	2.900	170,815	148,519
AT4743	FNMA	2.900	178,897	158,628
AT4759	FNMA	2.900	68,189	-
AQ9145	FNMA	2.905	98,755	87,193
AQ7530	FNMA	3.025	38,770	-
AR0866	FNMA	3.025	94,978	84,165

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 76,702
AR1324	FNMA	3.030	74,217	66,069
AR8766	FNMA	3.275	90,618	80,183
Subtotal			36,291,598	17,851,573
MBS Participation Interest (65.556%)			23,791,320	11,702,777
2012 ABCD Total			\$ 58,834,874	\$ 26,278,993

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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	71,306
AC8185	GNMA II	2.500	351,176	184,821
AC8306	GNMA II	2.500	1,234,130	608,229
AC8346	GNMA II	2.500	1,377,119	623,898
AC8371	GNMA II	2.500	536,055	286,367
AC8375	GNMA II	2.500	409,690	356,567
AD7480	GNMA II	2.500	490,678	245,134
AT4629	FNMA	2.650	788,890	234,430
AT7528	FNMA	2.650	1,633,992	1,192,298
AR5612	FNMA	2.775	86,370	-
AR5621	FNMA	2.775	168,901	150,370
AT4626	FNMA	2.775	285,628	96,393
AT7529	FNMA	2.775	343,062	-
AT4627	FNMA	2.900	149,529	133,502
AT4631	FNMA	2.900	169,550	-
AR0869	FNMA	3.150	75,992	67,263
AR2964	FNMA	3.150	129,684	115,252
AR5596	FNMA	3.150	59,464	52,048
AT1046	FNMA	3.275	134,213	118,347
AR8780	FNMA	3.400	74,302	66,269
AQ6038	FNMA	3.650	98,340	-
Subtotal			8,754,430	4,602,492

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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)

<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>
AB1463	GNMA II	3.000 %	\$ 49,221	\$ 43,115
799886	GNMA II	3.250	495,166	121,250
799954	GNMA II	3.250	931,842	462,520
AA0003	GNMA II	3.250	202,922	75,300
AA0074	GNMA II	3.250	1,667,721	519,708
AA0341	GNMA II	3.250	1,943,418	1,061,407
AA0400	GNMA II	3.250	1,699,366	544,319
AA0467	GNMA II	3.250	1,166,842	545,870
AB1465	GNMA II	3.250	492,658	275,699
793298	GNMA II	3.375	1,284,543	711,048
799859	GNMA II	3.375	1,311,886	767,389
799887	GNMA II	3.375	930,061	278,949
AA0004	GNMA II	3.375	790,402	681,924
AA0075	GNMA II	3.375	591,125	205,701
AA0508	GNMA II	3.375	106,710	-
AB1500	GNMA II	3.375	96,759	-
799860	GNMA II	3.625	500,928	255,379
799888	GNMA II	3.625	709,598	304,375
799956	GNMA II	3.625	981,586	211,905
AA0005	GNMA II	3.625	1,000,098	607,042
AA0283	GNMA II	3.625	2,151,221	596,146
AA0343	GNMA II	3.625	2,509,161	1,401,212
799889	GNMA II	3.750	1,010,556	262,146
AA0014	GNMA II	3.750	886,095	524,145
AA0403	GNMA II	3.750	281,417	88,263

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	77,626
AR5611	FNMA	2.525	94,711	82,662
AR5614	FNMA	2.525	925,382	817,155
AR5616	FNMA	2.525	1,159,097	485,625
AR5617	FNMA	2.525	1,331,635	744,693
AR5619	FNMA	2.525	144,826	-
AR5620	FNMA	2.525	451,925	197,754
AR8764	FNMA	2.525	267,323	69,181
AR8770	FNMA	2.525	84,793	74,514
AR8772	FNMA	2.525	82,508	-
AT1907	FNMA	2.525	224,485	53,922
AT1917	FNMA	2.525	109,673	96,436
AT1921	FNMA	2.525	186,999	140,783
AT4624	FNMA	2.525	2,331,268	1,407,868
AT4628	FNMA	2.525	655,444	206,575
AT4633	FNMA	2.525	641,811	544,566
AT4742	FNMA	2.525	248,978	156,639
AT6228	FNMA	2.525	59,752	52,481
AQ9144	FNMA	2.530	80,418	66,883
AR5615	FNMA	2.650	134,553	114,494
AT1922	FNMA	2.650	128,883	-
AT3840	FNMA	2.650	76,105	-
AT4625	FNMA	2.650	324,103	287,925

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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	\$ 254,812
AR8778	FNMA	2.775	75,520	66,726
AT1918	FNMA	2.775	142,319	-
AT1923	FNMA	2.775	103,253	89,169
AT4758	FNMA	2.775	214,584	78,460
AR5605	FNMA	2.900	73,328	-
AR8765	FNMA	2.900	37,442	33,037
AR8771	FNMA	2.900	226,641	69,169
AR8776	FNMA	2.900	99,476	87,256
AR8779	FNMA	2.900	139,561	-
AT1045	FNMA	2.900	218,574	176,600
AT1908	FNMA	2.900	83,511	72,292
AT1924	FNMA	2.900	170,815	148,519
AT4743	FNMA	2.900	178,897	158,628
AT4759	FNMA	2.900	68,189	-
AQ9145	FNMA	2.905	98,755	87,193
AQ7530	FNMA	3.025	38,770	-
AR0866	FNMA	3.025	94,978	84,165
AR5597	FNMA	3.025	86,505	76,702
AR1324	FNMA	3.030	74,217	66,069
AR8766	FNMA	3.275	90,618	80,183
Subtotal			36,291,598	17,851,573
MBS Participation Interest (34.444%)			12,500,278	6,148,796

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AC8396	GNMA II	2.500 %	\$ 1,509,787	\$ 626,731
AC8401	GNMA II	2.500	48,506	-
AC8517	GNMA II	2.500	705,460	493,568
AC8521	GNMA II	2.500	281,308	104,117
AD7201	GNMA II	2.500	1,146,241	583,749
AD7306	GNMA II	2.500	528,762	296,676
AD7309	GNMA II	2.500	110,433	94,196
AD7322	GNMA II	2.500	884,732	470,341
AD7328	GNMA II	2.500	94,607	-
AD7411	GNMA II	2.500	1,324,919	833,833
AD7520	GNMA II	2.500	144,206	125,256
AD7323	GNMA II	2.625	152,254	133,270
AD7412	GNMA II	2.625	487,240	216,351
AD7481	GNMA II	2.625	1,315,697	650,423
AD7521	GNMA II	2.625	973,807	635,809
AD7525	GNMA II	2.625	199,960	170,983
AD7549	GNMA II	2.625	1,253,675	727,872
AC8103	GNMA II	2.750	54,282	47,547
AC8347	GNMA II	2.750	465,500	335,311
AC8397	GNMA II	2.750	533,047	118,357
AC7907	GNMA II	2.875	333,360	108,281
AC8150	GNMA II	2.875	261,715	229,655
AB2123	GNMA II	3.125	45,546	-
AE9846	GNMA II	2.750	1,378,784	370,445

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AC8233	GNMA II	2.875 %	\$ 301,279	\$ 259,901
AC8307	GNMA II	2.875	1,846,536	547,769
AC8402	GNMA II	2.875	173,194	-
AC8519	GNMA II	2.875	810,878	317,718
AD7203	GNMA II	2.875	782,422	447,232
AD7206	GNMA II	2.875	164,941	57,532
AD7308	GNMA II	2.875	624,792	217,953
AD7325	GNMA II	2.875	740,110	418,401
AD7330	GNMA II	2.875	171,991	150,974
AD7414	GNMA II	2.875	1,175,447	736,424
AD7483	GNMA II	2.875	1,515,476	853,748
AD7523	GNMA II	2.875	1,693,438	1,018,470
AB2189	GNMA II	3.000	309,432	270,346
AC8308	GNMA II	3.000	123,199	-
AD7204	GNMA II	3.000	129,612	113,885
AD7331	GNMA II	3.000	107,285	94,207
AC8232	GNMA II	3.125	120,991	106,674
AD7205	GNMA II	3.125	110,891	97,552
AC8520	GNMA II	3.250	162,886	-
AD7326	GNMA II	3.250	132,431	116,700

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	13,198,255
MBS Participation Interest (49.9991%)			12,855,034	6,599,009

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 104,145
AC8518	GNMA II	2.750	845,766	199,492
AD7202	GNMA II	2.750	869,613	407,450
AD7307	GNMA II	2.750	1,250,082	898,617
AD7310	GNMA II	2.750	193,849	110,748
AD7324	GNMA II	2.750	1,244,417	992,951
AD7329	GNMA II	2.750	271,710	241,682
AD7413	GNMA II	2.750	1,437,921	844,130
AD7482	GNMA II	2.750	485,833	155,306
AD7522	GNMA II	2.750	421,289	133,782
AD7550	GNMA II	2.750	410,972	365,267
AC8231	GNMA II	2.875	132,608	117,814
AD7524	GNMA II	2.500	366,796	323,146
AH1961	GNMA II	3.500	7,364,353	4,115,728
Subtotal			15,485,495	9,010,259
MBS Participation Interest (50.0749%)			7,754,346	4,511,878
2013 ABC Total			\$ 41,864,089	\$ 21,862,175

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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	\$ 5,160,007
AG5765	GNMA II	2.50000	316,604	155,111
AG5963	GNMA II	2.50000	1,262,580	794,445
AH1875	GNMA II	2.50000	191,709	167,482
AH1963	GNMA II	2.50000	104,423	-
AD7552	GNMA II	2.62500	144,570	-
AE9848	GNMA II	2.62500	295,162	145,342
AF0094	GNMA II	2.62500	1,830,376	1,187,855
AD7484	GNMA II	2.75000	128,043	-
AE9849	GNMA II	2.75000	422,789	259,213
AF0095	GNMA II	2.75000	4,016,907	2,308,357
AB2188	GNMA II	2.87500	187,304	164,341
AC7869	GNMA II	2.87500	110,020	-
AC8522	GNMA II	2.87500	160,866	142,300
AF0096	GNMA II	2.87500	4,793,493	2,697,865
AF0100	GNMA II	2.87500	290,236	189,580
AH2036	GNMA II	3.00000	188,565	168,563
AC8400	GNMA II	3.37500	75,093	67,470
AD7527	GNMA II	3.50000	126,205	113,384
AH2038	GNMA II	4.00000	7,708,814	4,437,036
AU2989	FNMA	2.50000	235,065	211,858
AR5613	FNMA	2.52500	1,826,086	1,100,514
AT7533	FNMA	2.52500	294,640	254,783
AT7537	FNMA	2.52500	198,067	173,311
AT6230	FNMA	2.65000	129,631	116,114
AT9859	FNMA	2.65000	314,356	138,635
AU3003	FNMA	2.65000	310,784	243,635
AT9857	FNMA	2.77500	273,807	-

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



2014 A, continued

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AU3004	FNMA	2.77500 %	\$ 459,566	\$ 241,922
AT7530	FNMA	2.90000	1,384,135	747,758
AT7536	FNMA	2.90000	208,793	45,133
AU2995	FNMA	3.00000	230,170	100,205
AU2998	FNMA	3.50000	505,749	456,212
AV8366	FNMA	3.50000	346,325	313,757
AV8369	FNMA	3.50000	169,107	-
AU2999	FNMA	4.00000	3,020,694	1,590,668
AV7824	FNMA	4.00000	1,452,376	1,133,058
AV8367	FNMA	4.00000	2,573,110	1,496,717
AV9663	FNMA	4.00000	1,665,715	1,015,930
AU3000	FNMA	4.50000	539,304	79,569
AV8368	FNMA	4.50000	881,800	310,369
AV8371	FNMA	4.50000	509,016	362,245
AV9664	FNMA	4.50000	474,456	340,977
2014 A Total			\$ 50,003,520	\$ 28,631,716

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



2014 B

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AE9844	GNMA II	2.50000 %	\$ 77,426	\$ 67,807
AD7526	GNMA II	2.87500	351,259	119,734
AD7553	GNMA II	2.87500	147,810	-
AE9850	GNMA II	2.87500	1,181,296	427,775
AH1962	GNMA II	4.00000	4,733,247	2,831,915
AH2597	GNMA II	4.00000	6,274,669	3,017,063
AT7534	FNMA	2.65000	5,463,918	2,768,688
AT7538	FNMA	2.65000	2,494,989	1,251,391
AU3007	FNMA	2.65000	62,017	-
AT9860	FNMA	2.90000	140,050	126,229
AU2982	FNMA	3.00000	9,469,151	5,423,706
AU3006	FNMA	3.02500	389,185	162,347
AV7823	FNMA	3.50000	64,250	58,776
AW1961	FNMA	4.50000	580,247	298,945
Subtotal			31,429,514	16,554,376

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 323,146
AH1961	GNMA II	3.500	7,364,353	4,115,728
AC8372	GNMA II	2.750	190,286	104,145
AC8518	GNMA II	2.750	845,766	199,492
AD7202	GNMA II	2.750	869,613	407,450
AD7307	GNMA II	2.750	1,250,082	898,617
AD7310	GNMA II	2.750	193,849	110,748
AD7324	GNMA II	2.750	1,244,417	992,951
AD7329	GNMA II	2.750	271,710	241,682
AD7413	GNMA II	2.750	1,437,921	844,130
AD7482	GNMA II	2.750	485,833	155,306
AD7522	GNMA II	2.750	421,289	133,782
AD7550	GNMA II	2.750	410,972	365,267
AC8231	GNMA II	2.875	132,608	117,814
Subtotal			15,485,495	9,010,259
MBS Participation Interest (49.9251%)			7,731,149	4,498,381

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 201,927
AF0097	GNMA II	2.500	121,249	-
AF0098	GNMA II	2.625	742,958	592,498
AF0099	GNMA II	2.750	197,808	114,129
AH1960	GNMA II	3.000	101,458	92,665
AH1964	GNMA II	3.500	640,759	328,025
AH2037	GNMA II	3.500	7,775,339	3,250,780
AH2592	GNMA II	3.500	709,704	405,331
AV7825	FNMA	4.500	201,546	187,653
AI4176	GNMA II	3.500	21,964,999	11,663,899
Subtotal			32,679,957	16,836,907
MBS Participation Interest (32.7876%)			10,714,974	5,520,418
2014 B Total			\$ 49,875,636	\$ 26,573,175

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



2014 CDE

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AI4923	GNMA II	3.000 %	\$ 265,792	\$ 101,105
AH2644	GNMA II	3.500	291,681	60,209
AI4077	GNMA II	4.000	611,359	426,194
AI4768	GNMA II	4.000	454,754	172,802
AI4925	GNMA II	4.000	155,571	143,614
AW3995	FNMA	4.500	138,928	-
Subtotal			1,918,085	903,924

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 11,663,899
AF0093	GNMA II	2.500	224,137	201,927
AF0097	GNMA II	2.500	121,249	-
AF0098	GNMA II	2.625	742,958	592,498
AF0099	GNMA II	2.750	197,808	114,129
AH1960	GNMA II	3.000	101,458	92,665
AH1964	GNMA II	3.500	640,759	328,025
AH2037	GNMA II	3.500	7,775,339	3,250,780
AH2592	GNMA II	3.500	709,704	405,331
AV7825	FNMA	4.500	201,546	187,653
Subtotal			32,679,957	16,836,907
MBS Participation Interest (67.2124%)			21,964,983	11,316,489

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 208,194
AH2598	GNMA II	3.500	178,836	825
AH2684	GNMA II	3.500	129,781	-
AI4076	GNMA II	3.500	438,494	404,611
AI4125	GNMA II	3.500	133,278	-
AH1965	GNMA II	4.000	621,071	309,750
AH2599	GNMA II	4.000	372,689	224,914
AX8552	FNMA	4.500	115,889	-
AX8124	FNMA	3.500	2,206,586	1,604,984
Subtotal			4,423,344	2,753,278
MBS Participation Interest (50.115%)			2,216,759	1,379,806

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 16,388,102
AX3836	FNMA	3.500	2,224,511	1,678,273
Subtotal			27,875,749	18,066,375
MBS Participation Interest (92.0199%)			25,651,236	16,624,660

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 14,991,261
AM8612	GNMA I	3.000	9,358,396	6,569,468
AM8937	GNMA I	3.000	5,807,044	4,371,117
AM8938	GNMA I	3.000	4,951,378	3,730,084
AM8939	GNMA I	3.000	4,876,401	3,980,325
Subtotal			49,796,511	33,642,255
MBS Participation Interest (49.8093%)			24,803,294	16,756,971
2014 CDE Total			\$ 76,554,357	\$ 46,981,850

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



2015 ABCD

Pool Number	Pool Type	Pass-Through Interest Rate		Principal Amount At Acquisition		Principal Amount Outstanding
AK6400	GNMA II	3.000	%	\$ 330,846	\$	102,685
AM8941	GNMA II	3.500		2,915,549		1,511,559
AM8943	GNMA II	3.500		205,216		191,875
AI4179	GNMA II	4.000		242,654		-
AM8942	GNMA II	4.000		39,872		-
AY5082	FNMA	3.500		1,743,318		1,225,398
AY5083	FNMA	3.500		499,627		168,584
AY5085	FNMA	3.500		2,322,111		1,670,650
AZ1657	FNMA	3.500		5,349,068		3,739,586
AZ1658	FNMA	4.000		248,181		70,508
Subtotal				13,896,443		8,680,845

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AM8612	GNMA I	3.000 %	\$ 9,358,396	\$ 6,569,468
AM8937	GNMA I	3.000	5,807,044	4,371,117
AM8938	GNMA I	3.000	4,951,378	3,730,084
AM8939	GNMA I	3.000	4,876,401	3,980,325
AI4767	GNMA II	3.500	24,803,293	14,991,261
Subtotal			49,796,511	33,642,255
MBS Participation Interest (50.1907%)			24,993,218	16,885,283

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AM8940	GNMA I	3.000 %	\$ 4,520,297	\$ 4,034,847
AM8555	GNMA II	3.500	3,739,824	2,952,238
AM8613	GNMA II	3.500	5,921,770	3,898,533
AZ5831	FNMA	3.500	6,715,036	5,484,467
AO8779	GNMA I	3.500	8,562,123	6,439,947
AY5078	FNMA	3.500	361,049	115,861
BA0621	FNMA	3.500	273,743	260,418
BA0623	FNMA	3.500	1,569,485	1,210,080
Subtotal			31,663,327	24,396,391
MBS Participation Interest (65.9973%)			20,896,941	16,100,959

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AM8554	GNMA II	3.500 %	\$ 3,794,512	\$ 2,152,945
AM8556	GNMA II	3.500	306,712	287,610
AY5084	FNMA	3.500	362,410	-
AY5086	FNMA	3.500	3,739,337	2,508,075
Subtotal			8,202,970	4,948,631
MBS Participation Interest (49.9968%)			4,101,222	2,474,157
2015 ABCD Total			<u>\$ 63,887,824</u>	<u>\$ 44,141,244</u>

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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	\$ 165,115
AY5095	FNMA	3.500	476,397	-
AZ5833	FNMA	3.500	352,966	215,030
BA0469	FNMA	3.500	5,231,315	3,983,979
BA0470	FNMA	4.000	3,729,896	2,632,198
BA2501	FNMA	4.000	4,118,053	2,979,013
Subtotal			14,083,852	9,975,335

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AO8779	GNMA I	3.500 %	\$ 8,562,123	\$ 6,439,947
AY5078	FNMA	3.500	361,049	115,861
BA0621	FNMA	3.500	273,743	260,418
BA0623	FNMA	3.500	1,569,485	1,210,080
AM8940	GNMA I	3.000	4,520,297	4,034,847
AM8555	GNMA II	3.500	3,739,824	2,952,238
AM8613	GNMA II	3.500	5,921,770	3,898,533
AZ5831	FNMA	3.500	6,715,036	5,484,467
Subtotal			31,663,327	24,396,391
MBS Participation Interest (34.0027%)			10,766,386	8,295,432

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 196,810
AO8641	GNMA II	3.500	7,879,767	4,979,755
AI4769	GNMA II	3.500	2,575,665	1,616,077
A08783	GNMA II	3.500	485,760	362,270
AO9369	GNMA I	3.500	5,165,142	4,017,043
Subtotal			16,468,978	11,171,956
MBS Participation Interest (50.0481%)			8,242,411	5,591,351

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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 Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
BA0624	FNMA	4.000 %	\$ 1,136,701	\$ 881,647
BA0640	FNMA	3.500	848,267	807,635
BA0638	FNMA	4.000	105,339	98,956
BA6223	FNMA	4.000	190,469	181,185
Subtotal			2,280,776	1,969,423
MBS Participation Interest (49.8383%)			1,136,700	981,527

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 1,844,831
Subtotal			2,433,041	1,844,831
MBS Participation Interest (49.9919%)			1,216,323	922,266

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 281,970
BC9423	FNMA	3.000	276,525	263,812
BC4085	FNMA	3.500	1,473,617	1,185,642
BC4097	FNMA	3.500	2,820,746	2,548,486
Subtotal			4,867,662	4,279,910
MBS Participation Interest (24.996%)			1,216,721	1,069,806

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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 Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AM9028	GNMA I	3.000 %	\$ 1,580,780	\$ 1,344,425
AO8774	GNMA I	3.000	2,049,815	1,404,516
AM8976	GNMA II	3.500	486,464	275,458
AM9030	GNMA II	3.500	459,995	286,144
AO8775	GNMA II	3.500	4,172,145	3,192,687
AO8776	GNMA II	3.500	4,878,678	3,588,879
AO8777	GNMA II	3.500	4,710,655	3,864,762
AO8780	GNMA I	3.500	5,472,547	3,983,590
AO8781	GNMA I	3.500	10,554,848	8,086,537
AR0752	GNMA II	3.500	7,079,482	5,928,469
AR0753	GNMA II	3.500	7,442,958	5,952,312
BC4088	FNMA	3.500	2,244,234	1,936,309
BC4086	FNMA	4.000	466,950	447,467
Subtotal			51,599,551	40,291,556
MBS Participation Interest (66.6012%)			34,365,920	26,834,660

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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 Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
BA2500	FNMA	3.500 %	\$ 2,212,034	\$ 1,743,237
BA0622	FNMA	4.000	375,062	165,679
Subtotal			2,587,096	1,908,916
MBS Participation Interest (50.0166%)			1,293,977	954,775

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 5,800,110
BD2362	FNMA	3.000	220,994	211,498
BD5918	FNMA	3.500	265,962	256,140
BC4100	FNMA	4.000	199,298	191,031
Subtotal			7,389,244	6,458,779
MBS Participation Interest (17.5%)			1,293,118	1,130,286
2015 EFG Total			<u>\$ 73,615,407</u>	<u>\$ 55,755,438</u>

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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	\$ 142,247
BC6964	FNMA	3.500	6,593,541	5,545,825
BC4091	FNMA	4.000	110,858	105,271
Subtotal			6,852,636	5,793,342

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 5,928,469
AR0753	GNMA II	3.500	7,442,958	5,952,312
BC4088	FNMA	3.500	2,244,234	1,936,309
BC4086	FNMA	4.000	466,950	447,467
AM9028	GNMA I	3.000	1,580,780	1,344,425
AO8774	GNMA I	3.000	2,049,815	1,404,516
AM8976	GNMA II	3.500	486,464	275,458
AM9030	GNMA II	3.500	459,995	286,144
AO8775	GNMA II	3.500	4,172,145	3,192,687
AO8776	GNMA II	3.500	4,878,678	3,588,879
AO8777	GNMA II	3.500	4,710,655	3,864,762
AO8780	GNMA I	3.500	5,472,547	3,983,590
AO8781	GNMA I	3.500	10,554,848	8,086,537
Subtotal			51,599,551	40,291,556
MBS Participation Interest (33.3988%)			17,233,626	13,456,892

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 2,793,441
BC5191	FNMA	3.500	2,048,514	1,831,211
BC5179	FNMA	4.000	323,883	311,204
Subtotal			5,644,425	4,935,856
MBS Participation Interest (50.0010%)			2,822,269	2,467,977

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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	\$ 899,073
BD7768	FNMA	3.000	3,350,804	3,131,548
BC4099	FNMA	3.500	3,002,514	2,398,822
BC5180	FNMA	3.500	137,186	131,739
BC9426	FNMA	3.500	182,077	174,716
BD5216	FNMA	3.500	3,670,214	3,515,593
BD7770	FNMA	3.500	3,826,556	3,255,679
BD2361	FNMA	4.000	1,021,873	980,194
Subtotal			16,126,618	14,487,364
MBS Participation Interest (17.5%)			2,822,158	2,535,289

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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	\$ 4,718,858
B32197	FHLMC	3.000	282,833	271,095
BE0291	FNMA	3.000	5,134,247	4,384,087
BD5924	FNMA	3.500	363,030	189,149
Subtotal			11,114,610	9,563,190
MBS Participation Interest (20.055%)			2,229,035	1,917,898

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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)

<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>
AR0748	GNMA II	3.000 %	\$ 3,630,340	\$ 3,081,183
BC6965	FNMA	4.000	826,966	524,123
Subtotal			4,457,306	3,605,306
MBS Participation Interest (49.9914%)			2,228,270	1,802,343

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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	\$	3,218,495
AR0749	GNMA II	3.000		3,953,558		3,712,021
AR0650	GNMA II	3.500		4,534,923		3,860,206
AR0651	GNMA II	3.500		4,522,700		3,920,835
AR0652	GNMA I	3.500		1,242,123		830,556
AR0750	GNMA II	3.500		6,913,842		5,326,507
AR0751	GNMA II	3.500		6,741,319		5,678,519
AX5784	GNMA II	2.500		259,963.00		248,984
AT8392	GNMA II	3.000		14,213,412		12,191,734
AT8393	GNMA I	3.000		12,562,961		11,272,571
AT8285	GNMA II	3.500		137,602		132,282
BD5933	FNMA	3.500		1,759,859		1,695,345
BE1718	FNMA	3.500		2,575,271		2,345,638
BA0636	FNMA	4.000		274,452		156,725
Subtotal				63,569,307		54,590,416
MBS Participation Interest (50.0018%)				31,785,798		27,296,191

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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 Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AR0649	GNMA II	3.500 %	\$ 4,640,734	\$ 3,837,828
AR0754	GNMA I	3.500	1,654,732	1,534,562
BC4089	FNMA	4.000	1,338,492	1,200,208
Subtotal			7,633,958	6,572,597
MBS Participation Interest (50.005%)			3,817,361	3,286,627

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 6,850,173
BD5941	FNMA	3.000	1,656,405	1,599,753
BE6508	FNMA	3.000	8,329,390	7,881,523
BE6509	FNMA	3.500	4,266,225	3,868,090
BA0626	FNMA	4.000	195,342	-
Subtotal			22,050,803	20,199,539
MBS Participation Interest (17.3082%)			3,816,597	3,496,177
2016 ABC Total			\$ 73,607,749	\$ 62,052,735

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



2016 DEF

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
AT8282	GNMA II	2.500 %	\$ 468,571	\$ 447,748
AT8391	GNMA II	2.500	496,079	473,816
AT7716	GNMA I	3.000	1,623,547	1,441,525
AX5785	GNMA II	3.000	4,466,933	3,927,473
AT8394	GNMA II	3.500	159,514	132,033
B32215	FHLMC	3.000	939,625	793,117
B32217	FHLMC	3.000	410,812	395,214
B32218	FHLMC	3.500	296,567	169,125
BD5932	FNMA	3.000	1,379,466	1,004,929
BE1717	FNMA	3.000	5,428,580	5,209,363
BE4461	FNMA	3.000	4,411,237	4,081,059
BA0630	FNMA	3.500	451,951	436,717
BA0633	FNMA	3.500	1,483,230	1,069,268
BD5219	FNMA	3.500	914,423	607,191
BA0634	FNMA	4.000	1,796,880	1,335,318
Subtotal			24,727,415	21,523,896

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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)

<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>
AX5784	GNMA II	2.500 %	\$ 259,963	\$ 248,984
AT8392	GNMA II	3.000	14,213,412	12,191,734
AT8393	GNMA I	3.000	12,562,961	11,272,571
AT8285	GNMA II	3.500	137,602	132,282
BD5933	FNMA	3.500	1,759,859	1,695,345
BE1718	FNMA	3.500	2,575,271	2,345,638
BA0636	FNMA	4.000	274,452	156,725
AR0747	GNMA I	3.000	3,877,322	3,218,495
AR0749	GNMA II	3.000	3,953,558	3,712,021
AR0650	GNMA II	3.500	4,534,923	3,860,206
AR0651	GNMA II	3.500	4,522,700	3,920,835
AR0652	GNMA I	3.500	1,242,123	830,556
AR0750	GNMA II	3.500	6,913,842	5,326,507
AR0751	GNMA II	3.500	6,741,319	5,678,519
Subtotal			63,569,307	54,590,416
MBS Participation Interest (49.9982%)			31,783,509	27,294,225

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 2,776,378
Subtotal			3,392,549	2,776,378
MBS Participation Interest (50.005%)			1,696,444	1,388,328

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$	6,850,173
BD5941	FNMA	3.000		1,656,405		1,599,753
BE6508	FNMA	3.000		8,329,390		7,881,523
BE6509	FNMA	3.500		4,266,225		3,868,090
BA0626	FNMA	4.000		195,342		-
Subtotal				22,050,803		20,199,539
MBS Participation Interest (7.6918%)				1,696,104		1,553,708

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 8,956,249
B32216	FHLMC	3.500	458,940	440,912
Subtotal			10,346,472	9,397,161
MBS Participation Interest (50%)			5,173,236	4,698,581

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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 Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AX5908	GNMA II	2.500 %	\$ 122,023	\$ 117,392
AT8149	GNMA II	3.000	322,685	311,050
AX5793	GNMA II	3.000	465,572	312,913
AX5986	GNMA I	3.000	3,732,410	3,442,691
AO9501	GNMA II	3.500	448,599	432,962
AT7498	GNMA II	3.500	92,943	89,738
AX5915	GNMA II	3.500	520,800	504,054
AX5989	GNMA II	3.500	4,873,647	4,715,929
AX5990	GNMA II	4.000	1,364,441	1,322,625
B32222	FHLMC	4.000	113,706	110,478
BE4720	FNMA	3.000	649,691	515,214
BE6512	FNMA	3.000	395,064	382,219
BE7856	FNMA	3.000	958,379	923,835
BE7857	FNMA	3.500	6,632,991	6,115,198
Subtotal			20,692,948	19,296,299
MBS Participation Interest (25.0%)			5,173,237	4,824,075

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 4,320,744
Subtotal			5,041,826	4,320,744
MBS Participation Interest (50.0%)			2,520,913	2,160,372

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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 Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AX5794	GNMA II	3.000 %	\$ 655,497	\$ 501,130
AX6116	GNMA II	3.000	1,707,090	1,293,090
AX6120	GNMA II	3.000	112,066	108,506
AX6206	GNMA II	3.000	212,943	206,088
AO9439	GNMA II	3.500	529,841	337,763
AX6119	GNMA II	4.000	892,247	864,216
AX6124	GNMA II	4.000	196,802	191,429
BE6511	FNMA	3.000	324,596	311,340
BH0318	FNMA	3.500	1,335,630	1,194,386
BE4726	FNMA	4.000	1,382,950	1,347,390
BE9284	FNMA	4.000	175,450	169,845
Subtotal			7,525,112	6,525,183
MBS Participation Interest (33.5%)			2,520,912	2,185,936

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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 Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
BE4462	FNMA	3.000 %	\$ 6,198,005	\$ 5,862,110
BD5937	FNMA	3.500	2,044,924	1,992,726
AX5786	GNMA II	3.000	4,961,391	4,404,122
AX5787	GNMA II	3.000	4,961,764	4,402,951
AX5788	GNMA I	3.000	6,156,959	5,234,304
BE4732	FNMA	3.000	98,583	95,999
BH2912	FNMA	4.000	2,974,665	2,910,227
AT8286	GNMA II	3.000	457,633	441,324
AX6515	GNMA II	3.500	5,492,465	5,090,425
AX6516	GNMA II	4.000	3,139,100	2,564,830
Subtotal			36,485,488	32,999,017
MBS Participation Interest (66.665%)			24,323,051	21,998,794
2016 DEF Total			\$ 99,614,822	\$ 87,627,916

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



2017 ABC

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BD7772	FNMA	3.000 %	\$ 196,706	\$ 191,380
BE0294	FNMA	3.000	179,604	174,750
BE4734	FNMA	3.000	148,729	145,005
BE7859	FNMA	3.000	468,577	453,344
BH2729	FNMA	3.000	383,724	372,628
BH4648	FNMA	3.000	126,200	122,665
BC4095	FNMA	3.500	438,704	417,546
BD5939	FNMA	3.500	159,402	155,430
BE0295	FNMA	3.500	119,348	116,195
BE4733	FNMA	3.500	328,824	321,127
BE4735	FNMA	3.500	537,739	525,876
BH2730	FNMA	3.500	1,254,329	1,221,281
BH4649	FNMA	3.500	1,004,240	974,750
BH2737	FNMA	4.000	456,858	292,878
BH2734	FNMA	4.500	174,246	170,379
BH4654	FNMA	4.500	516,158	505,161
AT8152	GNMA II	3.000	270,196	261,888
AX5912	GNMA II	3.000	682,872	662,371
AR0758	GNMA II	3.500	638,048	618,902
AR0759	GNMA II	3.500	584,144	568,025
AT7611	GNMA II	3.500	152,881	148,534
AX5916	GNMA II	3.500	376,517	332,430
AX5993	GNMA II	3.500	468,901	455,574
AX6123	GNMA II	3.500	526,494	122,592
AX6518	GNMA II	3.500	640,271	623,670
Subtotal			10,833,711	9,954,382

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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 Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
BE4732	FNMA	3.000 %	\$ 98,583	\$ 95,999
BH2912	FNMA	4.000	2,974,665	2,910,227
AT8286	GNMA II	3.000	457,633	441,324
AX6515	GNMA II	3.500	5,492,465	5,090,425
AX6516	GNMA II	4.000	3,139,100	2,564,830
BE4462	FNMA	3.000	6,198,005	5,862,110
BD5937	FNMA	3.500	2,044,924	1,992,726
AX5786	GNMA II	3.000	4,961,391	4,404,122
AX5787	GNMA II	3.000	4,961,764	4,402,951
AX5788	GNMA I	3.000	6,156,959	5,234,304
Subtotal			36,485,488	32,999,017
MBS Participation Interest (33.335%)			12,162,438	11,000,222

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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	\$ 2,249,433
Subtotal			2,290,805	2,249,433
MBS Participation Interest (50.0%)			1,145,402	1,124,717

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 207,982
BJ1725	FNMA	4.000	1,937,075	1,902,827
AX6604	GNMA II	3.500	494,913	485,201
BB3327	GNMA I	3.500	307,537	301,419
AX6520	GNMA II	4.000	150,638	-
AX6606	GNMA II	4.000	296,337	290,317
BB3326	GNMA II	4.000	249,619	244,938
BB3453	GNMA II	4.000	168,827	165,617
Subtotal			3,818,006	3,598,301
MBS Participation Interest (30.0%)			1,145,402	1,079,490

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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	\$ 1,187,016
BH2735	FNMA	3.500	162,620	159,829
BH2910	FNMA	3.500	1,192,918	1,173,111
BE4736	FNMA	4.000	1,280,154	1,257,150
BH2731	FNMA	4.000	2,206,844	2,081,809
BH2732	FNMA	4.000	1,747,479	1,718,394
BH2733	FNMA	4.000	2,772,975	2,705,947
BH4650	FNMA	4.000	1,113,794	995,503
BH4651	FNMA	4.000	2,228,404	2,188,900
BH4652	FNMA	4.000	2,104,727	2,020,646
BH4653	FNMA	4.000	2,290,937	2,082,006
AX6514	GNMA I	3.500	6,265,164	5,500,006
AX6602	GNMA I	3.500	8,203,751	7,384,988
AX6513	GNMA II	4.000	2,562,616	2,333,706
B32270	FHLMC	3.500	786,874	770,382
BJ2867	FNMA	3.500	5,875,027	5,765,274
BJ5391	FNMA	3.500	4,028,730	3,959,200
BJ2871	FNMA	4.000	2,285,270	2,246,064
BJ5218	FNMA	4.000	163,639	160,872
BJ5393	FNMA	4.000	2,890,359	2,699,199
BJ5395	FNMA	4.000	3,265,054	3,211,710

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 574,965
BB3794	GNMA II	3.500	3,071,434	2,869,055
BB3795	GNMA II	3.500	5,412,470	4,806,415
BB3796	GNMA II	3.500	4,094,272	4,016,137
BB3798	GNMA II	3.500	2,880,351	2,826,661
Subtotal			70,678,208	66,694,944
MBS Participation Interest (50.000%)			35,339,104	33,347,472
2017 ABC Total			\$ 60,626,057	\$ 56,506,283

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



2017 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>
B32253	FHLMC	3.500 %	\$ 164,103	\$ 161,256
B32261	FHLMC	3.500	375,301	369,024
BJ0401	FNMA	3.500	548,771	540,104
BJ5388	FNMA	3.500	1,098,490	1,074,620
BB3874	GNMA II	3.500	5,030,356	4,768,565
BB3875	GNMA II	3.500	4,783,103	4,528,743
BB3876	GNMA II	3.500	5,004,487	4,761,848
BB3877	GNMA II	3.500	4,889,444	4,634,462
BB3878	GNMA II	3.500	4,983,334	4,889,178
BB3880	GNMA II	3.500	5,393,045	5,163,103
BB3879	GNMA II	3.500	4,962,312	4,700,898
Subtotal			37,232,746	35,591,801

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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)

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
B32270	FHLMC	3.500 %	\$ 786,874	\$ 770,382
BJ2867	FNMA	3.500	5,875,027	5,765,274
BJ5391	FNMA	3.500	4,028,730	3,959,200
BJ2871	FNMA	4.000	2,285,270	2,246,064
BJ5218	FNMA	4.000	163,639	160,872
BJ5393	FNMA	4.000	2,890,359	2,699,199
BJ5395	FNMA	4.000	3,265,054	3,211,710
AX6212	GNMA II	3.500	585,625	574,965
BB3794	GNMA II	3.500	3,071,434	2,869,055
BB3795	GNMA II	3.500	5,412,470	4,806,415
BB3796	GNMA II	3.500	4,094,272	4,016,137
BB3798	GNMA II	3.500	2,880,351	2,826,661
Q48789	FHLMC	4.000	1,206,720	1,187,016
BH2735	FNMA	3.500	162,620	159,829
BH2910	FNMA	3.500	1,192,918	1,173,111
BE4736	FNMA	4.000	1,280,154	1,257,150
BH2731	FNMA	4.000	2,206,844	2,081,809
BH2732	FNMA	4.000	1,747,479	1,718,394
BH2733	FNMA	4.000	2,772,975	2,705,947
BH4650	FNMA	4.000	1,113,794	995,503
BH4651	FNMA	4.000	2,228,404	2,188,900
BH4652	FNMA	4.000	2,104,727	2,020,646
BH4653	FNMA	4.000	2,290,937	2,082,006

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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 Interest Rate</u>	<u>Principal Amount At Acquisition</u>	<u>Principal Amount Outstanding</u>
AX6514	GNMA I	3.500 %	\$ 6,265,164	\$ 5,500,006
AX6602	GNMA I	3.500	8,203,751	7,384,988
AX6513	GNMA II	4.000	2,562,616	2,333,706
Subtotal			70,678,208	66,694,944
MBS Participation Interest (50.000%)			35,339,104	33,347,472

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 4,117,634
BB4114	GNMA I	3.500	4,430,199	4,362,668
BB4115	GNMA I	3.500	1,285,872	1,266,657
B32294	FHLMC	3.500	889,653	876,379
B32295	FHLMC	4.000	72,364	71,367
BH8427	FNMA	3.500	610,540	596,356
BJ5221	FNMA	3.500	1,988,298	1,962,571
BJ5399	FNMA	3.500	456,440	449,911
BJ8207	FNMA	3.500	1,044,791	1,029,093
BK0989	FNMA	3.500	3,778,347	3,725,163
BK0990	FNMA	3.500	2,084,193	2,054,223
BK0991	FNMA	3.500	3,567,149	3,319,141
Subtotal			24,387,161	23,831,165
MBS Participation Interest (25.0%)			6,096,790	5,957,791

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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	\$ 1,963,003
BJ2869	FNMA	3.500	2,726,869	2,501,325
BJ2873	FNMA	4.000	2,391,919	2,357,414
BJ5214	FNMA	3.500	1,105,052	1,086,965
BB3797	GNMA II	3.500	3,868,517	3,807,868
Subtotal			12,193,585	11,716,575
MBS Participation Interest (50.000%)			6,096,793	5,858,287

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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)

<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>
B32303	FHLMC	4.000 %	\$ 460,421	\$ 454,934
BH8343	FNMA	4.000	534,213	528,210
BJ5401	FNMA	4.000	150,788	148,679
BF2379	GNMA II	3.500	3,368,038	3,327,754
BF2380	GNMA II	4.000	2,882,352	2,849,566
BF2172	GNMA I	3.500	2,167,549	2,141,948
BF2377	GNMA I	3.500	1,338,753	1,317,233
Subtotal			10,902,114	10,768,323
MBS Participation Interest (30.000%)			3,270,634	3,230,497

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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>
BJ0414	FNMA	3.500 %	\$ 2,277,814	\$ 2,240,928
BJ5216	FNMA	3.500	2,318,723	2,281,566
BJ5389	FNMA	3.500	1,982,976	1,938,838
Subtotal			6,579,513	6,461,332
MBS Participation Interest (50.000%)			3,289,756	3,230,666

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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)

<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>
BJ0410	FNMA	3.500 %	\$ 550,689	\$ 546,379
BK3342	FNMA	4.000	308,085	305,905
BK1671	FNMA	4.000	291,810	289,526
BK3337	FNMA	4.000	1,305,698	1,296,324
BK3338	FNMA	4.000	2,205,603	2,188,247
BK3339	FNMA	4.000	1,055,529	1,047,364
BK4075	FNMA	4.000	1,272,248	1,112,925
BK4077	FNMA	4.000	1,089,471	1,081,175
BK5110	FNMA	4.000	2,136,660	2,119,714
BK6996	FNMA	4.000	1,260,717	1,250,528
BK6997	FNMA	4.000	2,301,801	2,283,130
BK7000	FNMA	4.500	2,319,415	2,301,899
BK7001	FNMA	4.500	2,408,804	2,391,443
B32321	FHLMC	4.000	154,310	153,121
B32316	FHLMC	4.000	597,634	592,957
Q56821	FHLMC	4.500	1,257,783	1,248,250
BB3331	GNMA II	3.500	535,471	530,567
BB3803	GNMA II	3.500	625,020	619,234
BB4033	GNMA II	3.500	304,304	301,103
BB4119	GNMA II	3.500	575,626	570,581

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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	\$ 542,553
BF2612	GNMA II	3.500	162,282	160,819
BF2614	GNMA II	4.000	4,711,173	4,669,304
BF2621	GNMA II	4.000	561,626	557,211
BF2491	GNMA II	4.500	2,569,139	2,386,215
BF2616	GNMA II	4.500	2,348,038	2,329,588
BF2618	GNMA II	4.500	2,087,298	2,069,822
Subtotal			35,543,650	34,945,884
MBS Participation Interest (40.000%)			14,217,460	13,978,354

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 1,641,060
BJ0415	FNMA	3.500	1,364,693	1,343,500
BJ2868	FNMA	3.500	2,138,695	1,935,248
BJ2870	FNMA	3.500	1,241,724	1,220,385
BJ2874	FNMA	4.000	1,172,230	1,153,424
BJ5215	FNMA	3.500	1,139,105	1,120,422
BJ5217	FNMA	3.500	1,195,322	1,176,792
BJ5390	FNMA	3.500	2,607,621	2,561,497
BJ5392	FNMA	3.500	1,378,345	1,354,514
BJ5394	FNMA	4.000	1,943,975	1,911,595
BB3791	GNMA I	3.500	3,586,872	3,393,899
BB3792	GNMA I	3.500	4,373,543	4,288,942
BB3793	GNMA I	3.500	4,874,109	4,676,059
Subtotal			28,684,820	27,777,337
MBS Participation Interest (50.000%)			14,342,410	13,888,669
2017 DEF Total			\$ 119,885,693	\$ 115,083,537

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



2018 ABCD

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
B32314	FHLMC	3.500 %	\$ 163,459	\$ 162,085
B32315	FHLMC	4.500	142,087	140,920
B32320	FHLMC	4.000	116,088	115,214
B32322	FHLMC	4.500	248,252	246,490
B32328	FHLMC	4.000	554,503	550,356
BE4728	FNMA	4.000	369,322	366,353
BJ0400	FNMA	3.500	459,057	455,403
BJ0402	FNMA	3.500	434,785	431,334
BJ2876	FNMA	3.500	339,985	337,085
BJ8219	FNMA	4.000	448,968	445,271
BK0996	FNMA	3.500	446,957	443,136
BK0997	FNMA	3.500	525,586	520,733
BK0998	FNMA	3.500	699,765	693,913
BK1670	FNMA	3.500	413,986	409,084
BK3333	FNMA	3.500	895,167	888,054
BK3335	FNMA	3.500	1,020,628	1,012,668
BK3336	FNMA	4.000	1,034,111	1,026,264
BK3340	FNMA	4.500	355,128	352,735
BK3341	FNMA	3.500	207,161	205,529
BK4073	FNMA	3.500	480,683	476,553
BK4074	FNMA	4.000	2,014,715	1,918,000
BK4076	FNMA	4.000	1,974,594	1,959,063
BK4078	FNMA	4.500	1,394,390	1,384,190
BK4079	FNMA	4.500	2,074,399	2,057,672
BK5108	FNMA	4.000	1,855,353	1,828,609
BK5109	FNMA	4.000	1,313,057	1,134,715

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



2018 ABCD, continued

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BK5111	FNMA	4.000 %	\$ 665,874	\$ 660,828
BK5112	FNMA	4.500	2,664,598	2,644,194
BK5113	FNMA	4.500	3,026,982	3,002,979
BK5114	FNMA	4.500	1,010,895	1,003,560
BK5117	FNMA	4.500	120,772	119,880
BK6998	FNMA	4.000	824,373	818,173
BK6999	FNMA	4.500	2,960,454	2,935,051
BK7002	FNMA	4.500	1,564,581	1,553,312
AX6211	GNMA II	3.500	443,193	438,991
BB3332	GNMA II	4.000	324,852	181,166
BB3459	GNMA II	3.500	527,574	522,377
BB3594	GNMA II	3.500	472,914	468,508
BB3595	GNMA II	3.500	395,486	391,799
BB3690	GNMA II	3.500	471,395	467,007
BB3800	GNMA II	3.500	361,608	358,072
BB4034	GNMA II	3.500	461,262	270,223
BB4035	GNMA II	3.500	550,625	545,552
BB4120	GNMA II	3.500	427,259	423,388
BB4121	GNMA II	3.500	514,224	509,665
BB4122	GNMA II	3.500	404,126	400,521
BF2178	GNMA II	3.500	437,746	433,480
BF2179	GNMA II	3.500	492,962	488,321
BF2182	GNMA II	3.500	175,760	174,265
BF2487	GNMA II	3.500	1,599,788	1,585,604
BF2490	GNMA II	4.000	1,726,633	1,712,472

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	193,877
BF2933	GNMA II	3.500	102,949	102,048
BF2938	GNMA II	4.500	3,553,501	3,527,195
BF2170	GNMA I	3.500	3,185,013	3,156,448
Subtotal			49,644,950	48,650,385

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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)

<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>
B32316	FHLMC	4.000 %	\$ 597,634	\$ 592,957
B32321	FHLMC	4.000	154,310	153,121
Q56821	FHLMC	4.500	1,257,783	1,248,250
BJ0410	FNMA	3.500	550,689	546,379
BK1671	FNMA	4.000	291,810	289,526
BK3337	FNMA	4.000	1,305,698	1,296,324
BK3338	FNMA	4.000	2,205,603	2,188,247
BK3339	FNMA	4.000	1,055,529	1,047,364
BK3342	FNMA	4.000	308,085	305,905
BK4075	FNMA	4.000	1,272,248	1,112,925
BK4077	FNMA	4.000	1,089,471	1,081,175
BK5110	FNMA	4.000	2,136,660	2,119,714
BK6996	FNMA	4.000	1,260,717	1,250,528
BK6997	FNMA	4.000	2,301,801	2,283,130
BK7000	FNMA	4.500	2,319,415	2,301,899
BK7001	FNMA	4.500	2,408,804	2,391,443
BB3331	GNMA II	3.500	535,471	530,567
BB3803	GNMA II	3.500	625,020	619,234
BB4033	GNMA II	3.500	304,304	301,103
BB4119	GNMA II	3.500	575,626	570,581
BF2384	GNMA II	3.500	547,416	542,553
BF2491	GNMA II	4.500	2,569,139	2,386,215
BF2612	GNMA II	3.500	162,282	160,819

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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)

<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>
BF2616	GNMA II	4.500 %	\$ 2,348,038	\$ 2,329,588
BF2618	GNMA II	4.500	2,087,298	2,069,822
BF2614	GNMA II	4.000	4,711,173	4,669,304
BF2621	GNMA II	4.000	561,626	557,211
Subtotal			35,543,650	34,945,884
MBS Participation Interest (60.000%)			21,326,190	20,967,531

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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)

<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>
BJ0413	FNMA	3.500 %	\$ 1,654,698	\$ 1,641,060
BJ0415	FNMA	3.500	1,354,162	1,343,500
BJ2868	FNMA	3.500	2,119,623	1,935,248
BJ2870	FNMA	3.500	1,231,254	1,220,385
BJ2874	FNMA	4.000	1,162,942	1,153,424
BJ5215	FNMA	3.500	1,129,624	1,120,422
BJ5217	FNMA	3.500	1,186,168	1,176,792
BJ5390	FNMA	3.500	2,584,435	2,561,497
BJ5392	FNMA	3.500	1,366,560	1,354,514
BJ5394	FNMA	4.000	1,927,501	1,911,595
BB3791	GNMA I	3.500	3,554,670	3,393,899
BB3792	GNMA I	3.500	4,333,087	4,288,942
BB3793	GNMA I	3.500	4,830,196	4,676,059
Subtotal			28,434,918	27,777,337
MBS Participation Interest (50.000%)			14,217,459	13,888,669

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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)

<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>
BK8043	FNMA	5.000 %	\$ 420,043	\$ 418,161
BK8048	FNMA	5.000	154,823	154,121
BK8980	FNMA	4.500	1,466,705	1,460,306
BF2622	GNMA II	4.000	452,287	449,819
BF2624	GNMA II	4.500	534,479	531,787
BF2939	GNMA II	4.000	491,314	488,655
BF3050	GNMA II	4.500	1,341,407	1,334,568
Subtotal			4,861,057	4,837,418
MBS Participation Interest (23.8%)			1,156,932	1,151,305

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 2,870,335
Subtotal			2,892,334	2,870,335
MBS Participation Interest (60.000%)			1,735,400	1,722,201

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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)

<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>
B32327	FHLMC	4.500 %	\$ 221,504	\$ 220,943
B32350	FHLMC	5.000	336,447	335,696
B32362	FHLMC	5.000	203,253	202,802
BK8971	FNMA	4.500	420,812	419,685
BK8972	FNMA	4.500	527,447	526,116
BK9342	FNMA	4.500	507,214	506,044
BN0265	FNMA	5.000	930,657	928,565
Subtotal			3,147,332	3,139,850
MBS Participation Interest (24.9962%)			786,713	784,843

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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	\$ 1,824,848
Subtotal			1,966,784	1,824,848
MBS Participation Interest (60.000%)			1,180,070	1,094,909

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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)

<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>
BB3882	GNMA	3.500 %	\$ 2,433,820	\$ 2,433,820
BF3126	GNMA II	4.000	1,969,609	1,969,609
BI5933	GNMA II	4.000	5,053,923	5,053,923
BI6182	GNMA II	4.000	3,449,985	3,449,985
BI6183	GNMA II	4.000	3,382,053	3,382,053
BI6070	GNMA II	4.500	5,213,371	5,213,371
BI6184	GNMA II	4.500	3,474,491	3,474,491
BI6185	GNMA II	4.500	4,381,919	4,381,919
BI6186	GNMA II	4.500	5,013,250	5,013,250
Subtotal			34,372,422	34,372,422
MBS Participation Interest (39.9976%)			13,748,144	13,748,144

**Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018**



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	\$ 1,004,344
BF2171	GNMA	3.500	29.5335	1,788,664	1,788,664
BF2378	GNMA	3.500	29.5335	4,114,255	4,114,255
BF2493	GNMA II	4.000	25.5425	616,883	616,883
BF2615	GNMA II	4.000	25.5425	3,662,418	3,662,418
BF2934	GNMA II	4.000	25.5425	4,891,882	4,891,882
BF2935	GNMA II	4.000	25.5425	6,042,297	6,042,297
BF2617	GNMA II	4.500	24.2974	3,369,519	3,369,519
BF2936	GNMA II	4.500	24.2227	4,492,876	4,492,876
BF2937	GNMA II	4.500	24.5703	4,387,315	4,387,315
Subtotal				34,370,453	34,370,453
MBS Participation Interest (60.000%)				20,622,272	20,622,272
2018 ABCD Total				<u>\$ 124,418,130</u>	<u>\$ 122,630,258</u>

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



2018 EFGH

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BJ1726	FNMA	3.500 %	\$ 315,572	\$ 315,572
BJ5397	FNMA	3.500	433,588	433,588
BJ5398	FNMA	3.500	445,687	445,687
BJ8217	FNMA	3.500	506,477	506,477
BJ5233	FNMA	3.500	149,889	149,889
BK4081	FNMA	4.000	256,835	256,835
BK4080	FNMA	4.000	381,469	381,469
BK7003	FNMA	4.000	505,809	505,809
BK8963	FNMA	4.000	4,291,720	4,291,720
BK8037	FNMA	4.000	1,000,675	1,000,675
BK9990	FNMA	4.000	149,776	149,776
BK9992	FNMA	4.000	154,145	154,145
BN0259	FNMA	4.000	245,655	245,655
BK8044	FNMA	4.500	457,447	457,447
BK7005	FNMA	4.500	204,837	204,837
BK8046	FNMA	4.500	565,390	565,390
BK9339	FNMA	4.500	437,996	437,996
BK9341	FNMA	4.500	502,441	502,441
BK9994	FNMA	4.500	1,646,268	1,646,268
BK9997	FNMA	4.500	127,747	127,747
BN0264	FNMA	4.500	5,484,630	5,484,630
Q58620	FHLMC	4.500	1,178,359	1,178,359
Q58602	FHLMC	4.500	1,111,370	1,111,370
Q58603	FHLMC	4.500	1,063,623	1,063,623
BN0268	FNMA	4.500	398,255	398,255
BN0269	FNMA	4.500	347,438	347,438

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



2018 EFGH, continued

Pool Number	Pool Type	Pass-Through		Principal Amount At	
		Interest Rate		Acquisition	Outstanding
BK9999	FNMA	4.500	% \$	1,381,013	\$ 1,381,013
BN0000	FNMA	4.500		1,953,327	1,953,327
BN0001	FNMA	4.500		4,323,173	4,323,173
BN1399	FNMA	4.500		1,484,027	1,484,027
BN1817	FNMA	4.500		3,769,726	3,769,726
BN1818	FNMA	4.500		3,545,557	3,545,557
BN1819	FNMA	4.500		4,488,989	4,488,989
BN1820	FNMA	4.500		6,659,459	6,659,459
BN1822	FNMA	4.500		487,649	487,649
BN0005	FNMA	4.500		1,789,381	1,789,381
BN0006	FNMA	4.500		3,414,186	3,414,186
BN0007	FNMA	4.500		1,839,371	1,839,371
BN0008	FNMA	4.500		5,328,966	5,328,966
BN2703	FNMA	4.500		1,643,668	1,643,668
BN2704	FNMA	4.500		5,511,401	5,511,401
BN2705	FNMA	4.500		5,199,577	5,199,577
BN2706	FNMA	4.500		5,801,866	5,801,866
BN2707	FNMA	4.500		3,956,248	3,956,248
BN2708	FNMA	4.500		3,782,211	3,782,211
Q59693	FHLMC	4.500		1,055,496	1,055,496
Q59698	FHLMC	4.500		1,623,029	1,623,029
BN0270	FNMA	5.000		152,724	152,724
BN1821	FNMA	5.000		858,456	858,456
B32379	FHLMC	5.000		499,974	499,974
BN2709	FNMA	5.000		1,116,372	1,116,372

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



2018 EFGH, continued

Pool Number	Pool Type	Pass-Through Interest Rate	Principal Amount At Acquisition	Principal Amount Outstanding
BN2710	FNMA	5.000 %	\$ 1,550,673	\$ 1,550,673
B32393	FHLMC	5.000	180,589	180,589
B32364	FHLMC	4.500	460,803	460,803
BB3454	GNMA II	3.500	335,283	335,283
BB3460	GNMA II	3.500	505,269	505,269
BB3801	GNMA II	3.500	451,312	451,312
BB3802	GNMA II	3.500	429,691	429,691
BF2383	GNMA II	3.500	466,053	466,053
BF2385	GNMA II	4.000	563,784	563,784
BI6065	GNMA II	4.000	2,544,854	2,544,854
BI6066	GNMA II	4.000	5,879,906	5,879,906
BF2623	GNMA II	4.500	463,185	463,185
BF3057	GNMA II	4.500	420,914	420,914
BF3059	GNMA II	4.500	479,902	479,902
BI6069	GNMA II	4.500	4,157,487	4,157,487
BI6293	GNMA II	4.000	3,463,322	3,463,322
Subtotal			116,381,975	116,381,975

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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	\$ 2,433,820
BF3126	GNMA II	4.000	1,969,609	1,969,609
BI5933	GNMA II	4.000	5,053,923	5,053,923
BI6182	GNMA II	4.000	3,449,985	3,449,985
BI6183	GNMA II	4.000	3,382,053	3,382,053
BI6070	GNMA II	4.500	5,213,371	5,213,371
BI6184	GNMA II	4.500	3,474,491	3,474,491
BI6185	GNMA II	4.500	4,381,919	4,381,919
BI6186	GNMA II	4.500	5,013,250	5,013,250
Subtotal			34,372,422	34,372,422
MBS Participation Interest (60.0024%)			20,624,278	20,624,278

Residential Housing Finance Bond Resolution
Mortgage-Backed Securities Purchased with Bond Proceeds
Information as of December 31, 2018



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</u>
BF2177	GNMA	3.500	% 70.4665	\$ 1,004,344	\$ 1,004,344
BF2171	GNMA	3.500	70.4665	1,788,664	1,788,664
BF2378	GNMA	3.500	70.4665	4,114,255	4,114,255
BF2493	GNMA II	4.000	74.4575	616,883	616,883
BF2615	GNMA II	4.000	74.4575	3,662,418	3,662,418
BF2934	GNMA II	4.000	74.4575	4,891,882	4,891,882
BF2935	GNMA II	4.000	74.4575	6,042,297	6,042,297
BF2617	GNMA II	4.500	75.7026	3,369,519	3,369,519
BF2936	GNMA II	4.500	75.7773	4,492,876	4,492,876
BF2937	GNMA II	4.500	75.4297	4,387,315	4,387,315
Subtotal				34,370,453	34,370,453
MBS Participation Interest (40.000%)				13,748,181	13,748,181
2018 EFGH Total				\$ 150,754,434	\$ 150,754,434

**Residential Housing Finance Bond Resolution
Whole Loan Mortgage Insurance
Information as of December 31, 2018**



Series	FHA	VA	Rural Development	MGIC	Genworth	Other Private Mortgage Insurers*	Uninsured	Total
Retired	\$ 1,777,621	\$ 25,956	\$ 361,104	\$ -			\$ 339,777	\$ 2,504,458
06LMN	44,774	-	-	172,402	246,279	-	366,340	829,795
07M	1,087,524	90,664	1,619,589	2,180,670	1,853,286	1,200,141	1,521,395	9,553,269
07M-40 Year	-	-	-	2,428,034	399,790	773,212	288,005	3,889,041
09DEF	22,859,916	331,563	4,036,520	148,361	27,529	82,484	4,610,868	32,097,241
12ABCD	16,204,330	536,424	7,618,918	314,951	225,964	255,581	6,750,120	31,906,288
13ABC	5,870,603	339,062	3,787,127	530,285	106,010	326,355	5,925,798	16,885,240
14A	3,349,797	258,602	1,378,357	12,997	52,110	59,691	1,600,746	6,712,300
14B	4,497,587	148,635	1,309,608	143,474	21,656	39,538	1,343,084	7,503,582
14CDE	18,325,623	1,235,214	17,113,344	4,904,302	395,280	1,938,976	32,684,753	76,597,492
15ABCD	4,770,490	202,985	4,605,151	1,641,756	894,748	1,198,433	12,406,020	25,719,583
15ABCD-40 Year	-	-	-	422,205	-	897,899	177,095	1,497,199
15EFG	8,071,407	514,075	12,242,320	5,097,160	2,428,414	2,282,871	16,410,889	47,047,136
15EFG-40 Year	-	-	-	3,205,154	1,019,970	2,346,679	1,607,554	8,179,357
16ABC	2,705,361	458,959	5,613,036	8,342,297	5,438,968	3,031,064	6,113,808	31,703,493
16ABC-40 Year	-	-	-	6,030,080	1,829,214	3,490,948	2,173,811	13,524,053
16DEF	4,058,844	339,479	3,134,930	3,321,002	2,835,824	1,787,815	2,602,905	18,080,799
16DEF-40 Year	-	-	-	3,616,664	595,504	1,151,733	428,996	5,792,897
17ABC	14,065,291	158,444	7,077,926	3,603,149	915,920	1,987,238	6,196,990	34,004,958
17ABC-40 Year	-	-	-	3,809,551	1,732,368	2,013,502	2,371,520	9,926,941
17DEF	7,553,029	-	3,996,730	506,942	37,753	312,072	3,860,627	16,267,153
17DEF-40 Year	-	-	-	2,327,920	394,186	1,081,637	1,373,113	5,176,856
18ABCD	7,461,302	119,557	4,898,737	-	14,015	-	5,093,972	17,587,583
Total Bond Financed	\$ 122,703,499	\$ 4,759,619	\$ 78,793,397	\$ 52,759,356	\$ 21,464,788	\$ 26,257,869	\$ 116,248,186	\$ 422,986,714
	29.01%	1.13%	18.63%	12.47%	5.07%	6.21%	27.48%	100.00%

Republic 3.15%, United 1.43%, PMI .94%, Radian Guarantee Fund 0.39%, Commonwealth 0.17%, Triad 0.11%, Amerin 0.02%

Residential Housing Finance Bond Resolution
Whole Loan Mortgages Delinquency and Foreclosure Statistics
Information as of December 31, 2018



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	52.0	\$2,504,458	11.0	21.15	4.0	7.69	-	-	6.0	11.54	19.23
06LMN	7.0	829,795	1.0	14.29	-	-	-	-	1.0	14.29	14.29
07M	102.9	9,553,269	3.2	3.11	2.4	2.33	-	-	4.8	4.66	7.00
07M-40 Yr	27.4	3,889,041	1.6	5.84	0.4	1.46	0.4	1.46	1.2	4.38	7.30
09DEF	566.5	32,097,241	34.0	6.00	16.0	2.82	3.0	0.53	20.0	3.53	6.88
12ABCD	638.0	31,906,288	40.0	6.27	6.0	0.94	7.0	1.10	16.0	2.51	4.55
13ABC	334.0	16,885,240	19.0	5.69	5.0	1.50	2.0	0.60	8.0	2.40	4.49
14A	221.0	6,712,300	2.0	0.90	3.0	1.36	2.0	0.90	1.0	0.45	2.71
14B	235.0	7,503,582	8.0	3.40	7.0	2.98	-	-	5.0	2.13	5.11
14CDE	927.5	76,597,492	51.0	5.50	11.0	1.19	4.0	0.43	15.5	1.67	3.29
15ABCD	291.0	25,719,583	22.0	7.56	9.0	3.09	2.0	0.69	5.0	1.72	5.50
15ABCD-40 Year	10.0	1,497,199	1.0	10.00	1.0	10.00	-	-	-	-	10.00
15EFG	581.5	47,047,136	25.0	4.30	7.0	1.20	2.5	0.43	17.0	2.92	4.56
15EFG-40 Year	57.0	8,179,357	1.0	1.75	1.0	1.75	-	-	4.0	7.02	8.77
16ABC	341.5	31,703,493	20.0	5.86	5.0	1.46	1.5	0.44	16.0	4.69	6.59
16ABC-40 Year	96.0	13,524,053	5.0	5.21	1.0	1.04	-	-	3.0	3.13	4.17
16DEF	285.1	18,080,799	12.8	4.49	5.6	1.96	-	-	11.2	3.93	5.89
16DEF-40 Year	40.6	5,792,897	2.4	5.91	0.6	1.48	0.6	1.48	1.8	4.43	7.39
17ABC	410.5	34,004,958	35.0	8.53	9.0	2.19	5.0	1.22	18.5	4.51	7.92
17ABC-40 Year	83.0	9,926,941	7.0	8.43	1.0	1.20	-	-	2.0	2.41	3.61
17DEF	189.0	16,267,153	10.0	5.29	1.0	0.53	1.0	0.53	7.0	3.70	4.76
17DEF-40 Year	42.0	5,176,856	3.0	7.14	1.0	2.38	-	-	-	-	2.38
18ABCD	289.5	17,587,583	13.0	4.49	5.0	1.73	2.0	0.69	4.0	1.38	3.80
Total Bond Financed	5,828.0	\$ 422,986,714	328.0	5.63	102.0	1.75	33.0	0.57	168.0	2.88	5.20

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, 2018**



continued from page G-1.

Comparative 60+ Day Delinquency Statistics⁽¹⁾	At 9/30/2018	At 12/31/2018
Residential Housing Finance Bond Resolution Loan Portfolio	4.00%	3.40%
Mortgage Bankers Association of America, Minnesota ⁽²⁾	1.32%	not yet available
Mortgage Bankers Association of America, National ⁽²⁾	2.06%	not yet available
Comparative Foreclosure Statistics⁽³⁾	At 9/30/2018	At 12/31/2018
Residential Housing Finance Bond Resolution Loan Portfolio	1.51%	1.26%
Mortgage Bankers Association of America, Minnesota ⁽²⁾	0.24%	not yet available
Mortgage Bankers Association of America, National ⁽²⁾	0.93%	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 09/30/2018 Mortgage Bankers Association of America average 60+ days delinquency rate is 1.15% Minnesota and 2.44% national. The unadjusted 09/30/2018 Mortgage Bankers Association of America foreclosure rate is 0.24% Minnesota and 0.80% 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, 2018



Series	Real Estate Owned*				
	No. of Prop.	Loan Balance	Average Balance	Net Amount Due	Average Net Due
13ABC	1.0	41,999	41,999	45,903	45,903
16ABC-40 Year	1.0	113,409	113,409	127,432	127,432
Total	2.0	\$ 155,408	\$ 77,704	\$ 173,335	\$ 86,668

*MHFA holds title - property is not sold.

**Residential Housing Finance Bond Resolution
Whole Loan Mortgages Insurance Claims Activity
Information as of December 31, 2018**



REO Pending Claims* PMI						
Bond Financed	No. of Prop.	Loan Balance	Average Balance	Net Amount Due	Average Net Due	
Retired	1.0	\$ 70,218	\$ 70,218	\$ 80,294	\$ 80,294	
07M	1.4	80,588	57,563	32,955	23,539	
09DEF	0.5	30,221	60,442	34,440	68,880	
12ABCD	1.0	41,324	41,324	44,336	44,336	
14CDE	9.5	678,882	71,461	494,655	52,069	
15ABCD	4.0	331,733	82,933	113,951	28,488	
15EFG	4.5	507,332	112,740	210,634	46,808	
16ABC	1.0	81,187	81,187	(4,251)	(4,251)	
16ABC-40 Year	1.0	162,636	162,636	3,426	3,426	
16DEF	2.1	120,110	57,195	51,003	24,287	
17ABC	1.0	47,137	47,137	29,993	29,993	
17DEF	1.0	50,272	50,272	27,101	27,101	
Total	<u>28.0</u>	<u>\$ 2,201,640</u>	\$ 78,630	<u>\$ 1,118,537</u>	\$ 39,948	

*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, 2018



Series	FHA/VA Mortgage Insurance/VA Guaranty Pending Claims *				
	No. of Prop.	Loan Balance	Average Balance	Net Amount Due	Average Net Due
Retired	5.0	\$ 367,773	\$ 73,555	117,744	\$ 23,549
07M	0.6	80,111	133,518	(2,713)	(4,522)
09DEF	4.5	354,036	78,675	257,696	57,266
12ABCD	5.0	241,092	48,218	140,229	28,046
14A	2.0	95,356	47,678	52,516	26,258
14CDE	3.0	231,633	77,211	44,438	14,813
15ABCD	2.0	210,666	105,333	60,990	30,495
15EFG	1.0	67,793	67,793	73,446	73,446
16DEF	0.9	119,595	132,883	(2,415)	(2,683)
17ABC	2.0	177,191	88,596	58,919	29,460
17DEF	1.0	89,683	89,683	(6,704)	(6,704)
Total	<u>27.0</u>	<u>\$ 2,034,929</u>	<u>\$ 75,368</u>	<u>\$ 794,146</u>	<u>\$ 29,413</u>

*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, 2018



Series	Completed Claims (1)				
	No. of Prop.	Loan Balance (2)	Average Balance	Gain (Loss)	Average Gain (Loss)
Bond Financed:					
RHFB Retired	3,324.7	\$ 400,763,445	\$ 120,541	(80,183,330)	\$ (24,117)
RHFB 06LMN	55.0	6,338,927	115,253	(1,652,778)	(30,051)
RHFB 07M	97.8	12,446,874	127,269	(3,003,870)	(30,714)
RHFB 07M-40 Year	34.4	5,506,959	160,086	(1,523,918)	(44,300)
RHFB 09DEF	144.0	13,477,087	93,591	(113,730)	(790)
RHFB 2012ABCD	111.0	7,867,442	70,878	(1,014,436)	(9,139)
RHFB 2013ABC	44.5	3,178,738	71,432	(389,829)	(8,760)
RHFB 2014A	1.0	81,569	81,569	(17)	(17)
RHFB 2014B	5.0	302,517	60,503	(1,396)	(279)
RHFB 2014CDE	64.5	6,554,231	101,616	(815,269)	(12,640)
RHFB 2015ABCD	27.5	2,704,501	98,345	(360,589)	(13,112)
RHFB 2015ABCD-40 Year	2.0	356,538	178,269	(57,848)	(28,924)
RHFB 2015EFG	31.0	3,019,219	97,394	(408,654)	(13,182)
RHFB 2015EFG-40 Year	11.0	1,611,190	146,472	(179,180)	(16,289)
RHFB 2016ABC	27.0	3,071,260	113,750	(312,217)	(11,564)
RHFB 2016ABC-40 Year	6.0	901,276	150,213	(78,439)	(13,073)
RHFB 2016DEF	7.2	518,568	72,023	(56,968)	(7,912)
RHFB 2016DEF-40 Year	2.4	349,835	145,765	(46,028)	(19,178)
RHFB 2017ABC	6.0	522,139	87,023	(23,736)	(3,956)
RHFB 2017ABC-40 Year	1.0	167,388	167,388	(13,406)	(13,406)
RHFB 2017DEF	4.0	495,860	123,965	(33,173)	(8,293)
Total	<u>4,007.0</u>	<u>\$ 470,235,563</u>	\$ 117,354	<u>\$(90,268,811)</u>	\$ (22,528)

(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, 2018**



Bond Financed	Weighted Average Interest Rate Based on Total Loans Purchased		Total Loan Purchases		Prepayments/REO 12 Months Ended 12/31/2018		Curtailments 12 Months Ended 12/31/2018	Prepayments/ REO Total # to Date	Curtailments and Prepayments/ REO Total To Date
			# of Loans	Amount	# of Loans	Amount			
RHFB Retired	5.88	%	12,933.7	1,441,481,468	30.5	1,626,742	184,304	12,875.0	1,159,539,813
RHFB 06LMN	5.77		157.0	20,334,227	1.0	67,528	59	150.0	14,798,893
RHFB 2007M	5.96		435.3	51,601,162	14.8	1,480,843	83,416	330.4	38,574,859
RHFB 2007M-40 Yr	6.09		87.6	13,786,495	5.2	721,821	12,864	60.4	7,977,610
RHFB 2009DEF	5.84		1,627.0	123,184,490	58.5	3,650,163	231,344	1,055.5	73,630,862
RHFB 2012ABCD	5.92		1,411.0	96,047,766	75.5	385,296	338,529	774.5	50,410,917
RHFB 2013ABC	5.53		641.0	42,482,583	40.5	1,887,767	188,346	306.0	18,954,237
RHFB 2014A	6.13		381.0	15,938,679	27.0	771,959	109,173	158.0	6,075,263
RHFB 2014B	6.13		419.0	15,978,942	26.0	380,481	86,492	184.0	4,750,681
RHFB 2014CDE	5.15		1,554.0	147,424,535	105.0	8,672,290	331,128	614.0	56,559,930
RHFB 2015ABCD	5.56		538.0	52,474,015	53.0	4,899,608	158,202	241.0	22,583,320
RHFB 2015ABCD-40 Yr	5.56		20.0	3,064,439	-	589	1,390	10.0	1,488,138
RHFB 2015EFG	5.68		886.0	80,106,833	74.0	5,879,461	392,307	299.0	26,800,971
RHFB 2015EFG-40yr	5.47		105.0	15,680,365	13.0	1,719,026	24,165	48.0	6,967,858
RHFB 2016ABC	5.93		567.0	59,751,015	72.5	7,043,726	173,257	224.5	24,899,889
RHFB 2016ABC-40 Yr	5.93		151.0	22,027,528	19.0	2,856,010	46,525	53.0	7,589,711
RHFB 2016DEF	5.68		392.3	27,242,103	37.2	2,494,476	201,748	104.2	7,322,815
RHFB 2016DEF-40 Yr	5.38		55.6	8,084,772	7.8	1,071,929	19,162	15.0	2,086,570
RHFB 2017ABC	5.82		518.0	45,579,077	72.5	6,804,848	150,279	105.0	9,942,458
RHFB 2017ABC-40 Yr	5.79		102.0	12,928,653	9.0	1,180,379	186,229	19.0	2,776,255
RHFB 2017DEF	5.73		226.0	20,736,955	33.0	3,447,274	157,507	35.0	3,807,557
RHFB 2017DEF-40 Yr	5.54		48.0	5,841,813	5.0	542,095	21,364	6.0	577,220
RHFB 2018ABCD	5.17		307.5	19,253,174	18.0	1,131,204	89,786.0	18.0	1,220,990
Total Bond Financed	5.81	%	23,563.0	\$ 2,341,031,089	798.0	\$ 62,183,185	\$ 3,187,576	17,685.5	\$ 1,549,336,817

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, 2018**



Series	Weighted Average Pass- Through Rate (Based on Total Pools Purchased)	Total MBS Purchased*	Prepayments 12 Months Ended 12/31/2018	Curtailments 12 Months Ended 12/31/2018	Prepayments to Date	Curtailments to Date	Total Curtailments and Prepayments to Date
09DEF	4.630%	\$ 32,522,061	\$ 1,483,801	\$ 28,550	\$ 18,600,014	\$ 288,176	\$ 18,888,190
12ABCD	3.516%	60,697,067	4,044,235	80,355	27,230,619	630,477	27,861,096
13ABC	2.633%	42,301,165	4,071,768	78,262	15,830,991	325,909	16,156,900
14A	3.207%	50,003,520	4,151,402	97,687	16,851,455	366,006	17,217,461
14B	3.335%	50,015,523	6,232,050	52,693	19,247,009	264,067	19,511,076
14CDE	3.514%	78,421,289	7,063,963	91,553	26,003,487	318,243	26,321,730
15ABCD	3.271%	64,030,055	5,372,233	49,180	16,081,750	153,913	16,235,663
15EFG	3.537%	74,399,612	6,071,844	60,454	14,655,925	165,088	14,821,013
16ABC	3.423%	74,982,792	5,320,516	68,413	9,402,719	137,508	9,540,227
16DEF	3.083%	100,005,295	6,413,459	161,084	8,386,253	257,340	8,643,593
17ABC	3.721%	60,900,313	2,603,676	95,573	2,771,367	126,905	2,898,272
17DEF	3.559%	120,065,774	2,795,232	142,303	2,795,232	142,303	2,937,535
18ABCD	4.070%	125,038,008	1,360,166	58,361	1,360,166	58,361	1,418,527
18EFGH	4.361%	150,754,397	-	-	-	-	-
Total		<u>\$ 1,084,136,871</u>	<u>\$ 56,984,345</u>	<u>\$ 1,064,468</u>	<u>\$ 179,216,987</u>	<u>\$ 3,234,297</u>	<u>\$ 182,451,284</u>

*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.

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
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
Total 2006 N		-	14,012,035	607,965	310,000	14,930,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
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
Total 2007 M		-	48,493,784	186,000	3,105,216	51,785,000	

* Prepayments for 2007M include repayments.

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



Series	Bond Call Date	Source of Funds					Total Bonds Called	Maturity Date(s) of Bond(s) Called
		Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other			
2009 D	7/1/2010	\$ -	\$ 210,000	\$ 5,000	\$ -	\$ 215,000	2011-2013 & 2017-2020	
	1/1/2011	-	360,000	-	-	360,000	2012-2013 & 2017-2020	
	7/1/2011	-	390,000	10,000	-	400,000	2012-2013 & 2017-2020	
	1/1/2012	-	135,000	10,000	-	145,000	2012-2013 & 2017-2020	
	5/1/2012	-	250,000	-	-	250,000	2013 & 2017-2020	
	6/1/2012	-	165,000	15,000	-	180,000	2013 & 2017-2020	
	7/1/2012	-	320,000	15,000	-	335,000	2013 & 2017-2020	
	9/1/2012	-	115,000	5,000	-	120,000	2013 & 2017-2020	
	10/1/2012	-	130,000	-	-	130,000	2013 & 2017-2020	
	11/1/2012	-	90,000	-	-	90,000	2013 & 2017-2020	
	12/1/2012	-	170,240	4,760	-	175,000	2013 & 2017-2020	
	5/1/2013	-	63,103	1,897	-	65,000	2017-2020	
	6/1/2013	-	82,542	2,458	-	85,000	2017-2020	
	7/1/2013	-	172,466	2,534	-	175,000	2017-2020	
	9/1/2013	-	43,512	1,488	-	45,000	2017-2020	
	10/1/2013	-	67,972	2,028	-	70,000	2017-2020	
	11/1/2013	-	135,787	4,213	-	140,000	2017-2020	
	12/1/2013	-	82,532	2,468	-	85,000	2017-2020	
	1/1/2014	-	82,265	2,735	-	85,000	2017-2020	
	5/1/2014	-	58,260	1,740	-	60,000	2017-2020	
	6/1/2014	-	82,526	2,474	-	85,000	2017-2020	
	7/1/2014	-	67,108	2,892	-	70,000	2017-2020	
	10/1/2014	-	126,798	3,202	-	130,000	2017-2020	
	11/1/2014	-	77,265	2,735	-	80,000	2017-2020	
	12/1/2014	-	125,479	4,521	-	130,000	2017-2020	
	1/1/2015	-	91,092	3,908	-	95,000	2017-2020	
	5/1/2015	-	33,984	1,016	-	35,000	2017-2020	
	6/1/2015	-	62,740	2,260	-	65,000	2017-2020	
	7/1/2015	-	79,739	5,261	-	85,000	2017-2020	
	9/1/2015	-	4,889	111	-	5,000	2020	
	11/1/2015	-	252,200	7,800	-	260,000	2017-2020	
	12/1/2015	-	63,050	1,950	-	65,000	2017-2020	
	1/1/2016	-	66,496	3,504	-	70,000	2017-2020	
	4/1/2016	-	14,550	450	-	15,000	2018-2020	
	5/1/2016	-	58,200	1,800	-	60,000	2017-2020	
	6/1/2016	-	43,650	1,350	-	45,000	2017-2020	
7/1/2016	-	133,086	6,914	-	140,000	2017-2020		
9/1/2016	-	126,100	3,900	-	130,000	2017-2020		
10/1/2016	-	43,650	1,350	-	45,000	2017-2020		
11/1/2016	-	106,700	3,300	-	110,000	2017-2020		
12/1/2016	-	77,600	2,400	-	80,000	2017-2020		

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018**



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
	1/1/2017	-	78,119	6,881	-	85,000	2017-2020
	2/1/2017	-	14,550	450	-	15,000	2018-2020
	3/1/2017	-	67,900	2,100	-	70,000	2017-2020
	4/1/2017	-	48,500	1,500	-	50,000	2017-2020
	5/1/2017	-	63,050	1,950	-	65,000	2017-2020
	6/1/2017	-	48,500	1,500	-	50,000	2017-2020
	7/1/2017	-	91,017	3,983	-	95,000	2018-2020
	8/1/2017	-	126,100	3,900	-	130,000	2018-2020
	9/1/2017	-	101,850	3,150	-	105,000	2018-2020
	10/1/2017	-	29,100	900	-	30,000	2018-2020
	11/1/2017	-	53,350	1,650	-	55,000	2018-2020
	12/1/2017	-	48,500	1,500	-	50,000	2018-2020
	1/1/2018	-	51,834	3,166	-	55,000	2018-2020
	2/1/2018	-	53,350	1,650	-	55,000	2018-2020
	3/1/2018	-	14,550	450	-	15,000	2020
	4/1/2018	-	29,100	900	-	30,000	2018-2020
	5/1/2018	-	19,400	600	-	20,000	2018-2020
	6/1/2018	-	48,500	1,500	-	50,000	2018-2020
	7/1/2018	-	27,959	2,041	-	30,000	2019-2020
	8/1/2018	-	33,950	1,050	-	35,000	2019-2020
	9/1/2018	-	19,400	600	-	20,000	2019-2020
	10/1/2018	-	29,100	900	-	30,000	2019-2020
	11/1/2018	-	58,200	1,800	-	60,000	2019-2020
	12/1/2018	-	19,400	600	-	20,000	2019-2020
Total 2009 D		-	6,035,860	194,140	-	6,230,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



Series	Bond Call Date	Source of Funds					Total Bonds Called	Maturity Date(s) of Bond(s) Called
		Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other			
2009 E	7/1/2010	\$ -	\$ 1,140,000	\$ 30,000	\$ -	\$ 1,170,000	2013-2016, 2021, 2024, 2029, 2034 & 2040	
	1/1/2011	-	1,845,000	85,000	-	1,930,000	2013-2016, 2021, 2024, 2029, 2034 & 2040	
	7/1/2011	-	2,055,000	55,000	-	2,110,000	2013-2016, 2021, 2024, 2029, 2034 & 2040	
	1/1/2012	-	915,000	20,000	-	935,000	2013-2016, 2021, 2024, 2029, 2034 & 2040	
	5/1/2012	-	1,820,000	-	-	1,820,000	2013-2016, 2021, 2024, 2029, 2034 & 2040	
	6/1/2012	-	1,215,000	90,000	-	1,305,000	2013-2016, 2021, 2024, 2029, 2034 & 2040	
	7/1/2012	-	2,365,000	95,000	-	2,460,000	2013-2016, 2021, 2024, 2029, 2034 & 2040	
	9/1/2012	-	1,015,000	30,000	-	1,045,000	2013-2016, 2021, 2024, 2029, 2034 & 2040	
	10/1/2012	-	1,065,000	35,000	-	1,100,000	2013-2016, 2021, 2024, 2029, 2034 & 2040	
	11/1/2012	-	745,000	25,000	-	770,000	2013-2016, 2021, 2024, 2029, 2034 & 2040	
	12/1/2012	-	1,451,098	43,902	-	1,495,000	2013-2016, 2021, 2024, 2029, 2034 & 2040	
	5/1/2013	-	655,297	19,703	-	675,000	2013-2016, 2021, 2024, 2029, 2034 & 2040	
	6/1/2013	-	839,843	25,157	-	865,000	2013-2016, 2021, 2024, 2029, 2034 & 2040	
	7/1/2013	-	1,851,735	43,265	-	1,895,000	2014-2016, 2021, 2024, 2029, 2034 & 2040	
	9/1/2013	-	456,621	13,379	-	470,000	2014-2016, 2021, 2024, 2029, 2034 & 2040	
	10/1/2013	-	713,713	21,287	-	735,000	2014-2016, 2021, 2024, 2029, 2034 & 2040	
	11/1/2013	-	1,480,730	44,270	-	1,525,000	2014-2016, 2021, 2024, 2029, 2034 & 2040	
	12/1/2013	-	888,429	26,571	-	915,000	2014-2016, 2021, 2024, 2029, 2034 & 2040	
	1/1/2014	-	894,641	20,359	-	915,000	2014-2016, 2021, 2024, 2029, 2034 & 2040	
	5/1/2014	-	669,984	20,016	-	690,000	2014-2016, 2021, 2024, 2029, 2034 & 2040	
	6/1/2014	-	844,734	25,266	-	870,000	2014-2016, 2021, 2024, 2029, 2034 & 2040	
	7/1/2014	-	664,976	30,024	-	695,000	2015-2016, 2021, 2024, 2029, 2034 & 2040	
	10/1/2014	-	1,347,602	42,398	-	1,390,000	2015-2016, 2021, 2024, 2029, 2034 & 2040	
	11/1/2014	-	790,885	24,115	-	815,000	2015-2016, 2020-2021, 2024, 2029, 2034 & 2040	
	12/1/2014	-	1,300,421	39,579	-	1,340,000	2015-2016, 2021, 2024, 2029, 2034 & 2040	
	1/1/2015	-	943,312	41,688	-	985,000	2015-2016, 2021, 2024, 2029, 2034 & 2040	
	5/1/2015	-	339,466	10,534	-	350,000	2015-2016, 2021, 2024, 2029, 2034 & 2040	
	6/1/2015	-	650,210	19,790	-	670,000	2015-2016, 2021, 2024, 2029, 2034 & 2040	
	7/1/2015	-	812,729	37,271	-	850,000	2016, 2021, 2024, 2029, 2034 & 2040	
	9/1/2015	-	82,411	2,589	-	85,000	2021, 2024, 2029, 2034 & 2040	
	11/1/2015	-	2,585,050	79,950	-	2,665,000	2021, 2024, 2029, 2034 & 2040	
	12/1/2015	-	640,200	19,800	-	660,000	2021, 2024, 2029, 2034 & 2040	
	1/1/2016	-	645,963	34,037	-	680,000	2021, 2024, 2029, 2034 & 2040	
	4/1/2016	-	121,250	3,750	-	125,000	2021, 2024, 2029, 2034 & 2040	
	5/1/2016	-	611,100	18,900	-	630,000	2021, 2024, 2029, 2034 & 2040	
	6/1/2016	-	451,050	13,950	-	465,000	2021, 2024, 2029, 2034 & 2040	
	7/1/2016	-	1,335,615	69,385	-	1,405,000	2021, 2024, 2029 & 2040	
	9/1/2016	-	1,265,850	39,150	-	1,305,000	2021, 2024, 2029, 2034 & 2040	
	10/1/2016	-	417,100	12,900	-	430,000	2021, 2024, 2029, 2034 & 2040	
	11/1/2016	-	1,081,550	33,450	-	1,115,000	2021, 2024, 2029, 2034 & 2040	
	12/1/2016	-	776,000	24,000	-	800,000	2021, 2024, 2029, 2034 & 2040	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
	1/1/2017	-	767,405	67,595	-	835,000	2021, 2024, 2029, 2034 & 2040
	2/1/2017	-	135,800	4,200	-	140,000	2021, 2024, 2029, 2034 & 2040
	3/1/2017	-	688,700	21,300	-	710,000	2021, 2024, 2029, 2034 & 2040
	4/1/2017	-	499,550	15,450	-	515,000	2021, 2024, 2029, 2034 & 2040
	5/1/2017	-	640,200	19,800	-	660,000	2021, 2024, 2029, 2034 & 2040
	6/1/2017	-	485,000	15,000	-	500,000	2021, 2024, 2029, 2034 & 2040
	7/1/2017	-	1,029,933	45,067	-	1,075,000	2021, 2024, 2029, 2034 & 2040
	8/1/2017	-	1,358,000	42,000	-	1,400,000	2021, 2024, 2029, 2034 & 2040
	9/1/2017	-	1,154,300	35,700	-	1,190,000	2021, 2024, 2029, 2034 & 2040
	10/1/2017	-	339,500	10,500	-	350,000	2021, 2024, 2029, 2034 & 2040
	11/1/2017	-	601,400	18,600	-	620,000	2021, 2024, 2029, 2034 & 2040
	12/1/2017	-	528,650	16,350	-	545,000	2021, 2024, 2029, 2034 & 2040
	1/1/2018	-	645,566	39,434	-	685,000	2021, 2024, 2029, 2034 & 2040
	2/1/2018	-	664,450	20,550	-	685,000	2021, 2024, 2029, 2034 & 2040
	3/1/2018	-	160,050	4,950	-	165,000	2021, 2024, 2029, 2034 & 2040
	4/1/2018	-	412,250	12,750	-	425,000	2021, 2024, 2029, 2034 & 2040
	5/1/2018	-	232,800	7,200	-	240,000	2021, 2024, 2029, 2034 & 2040
	6/1/2018	-	640,200	19,800	-	660,000	2021, 2024, 2029, 2034 & 2040
	7/1/2018	-	442,691	32,309	-	475,000	2021, 2024, 2029, 2034 & 2040
	8/1/2018	-	620,800	19,200	-	640,000	2021, 2024, 2029, 2034 & 2040
	9/1/2018	-	305,550	9,450	-	315,000	2021, 2024, 2029, 2034 & 2040
	10/1/2018	-	455,900	14,100	-	470,000	2021, 2024, 2029, 2034 & 2040
	11/1/2018	-	936,050	28,950	-	965,000	2021, 2024, 2029, 2034 & 2040
	12/1/2018	-	315,250	9,750	-	325,000	2021, 2024, 2029, 2034 & 2040
Total 2009 E		-	55,849,560	1,895,440	-	57,745,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



Series	Bond Call Date	Source of Funds					Total Bonds Called	Maturity Date(s) of Bond(s) Called
		Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other			
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		

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018**



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
	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
	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
Total 2012 A		-	18,556,892	678,108	-	19,235,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



Series	Bond Call Date	Source of Funds				Total Bonds Called	Maturity Date(s) of Bond(s) Called
		Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other		
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	

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018**



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
	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
	12/1/2018	-	67,900	2,100	-	70,000	2023-2024
Total 2012 B		-	4,080,293	144,707	-	4,225,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>					<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>			
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	

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018**



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
	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
	12/1/2018	-	242,500	7,500	-	250,000	2025 & 2029
Total 2012 C		-	14,263,292	531,708	-	14,795,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



Series	Bond Call Date	Source of Funds				Total Bonds Called	Maturity Date(s) of Bond(s) Called
		Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other		
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	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
	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
	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
Total 2012 D		-	41,535,042	1,459,958	-	42,995,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



Series	Bond Call Date	Source of Funds					Total Bonds Called	Maturity Date(s) of Bond(s) Called
		Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other			
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		

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018**



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
	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
	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
Total 2013 A		-	18,613,794	731,206	-	19,345,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
2013 B	12/1/2013	\$ -	\$ 43,706	\$ 1,294	\$ -	\$ 45,000	2016-2019
	1/1/2014	-	121,459	3,541	-	125,000	2016-2019
	6/1/2014	-	91,577	3,423	-	95,000	2016-2019
	7/1/2014	-	82,919	7,081	-	90,000	2016-2019
	12/1/2014	-	43,844	1,156	-	45,000	2016-2019
	1/1/2015	-	159,565	10,435	-	170,000	2016-2019
	6/1/2015	-	9,821	179	-	10,000	2018-2019
	7/1/2015	-	150,493	9,507	-	160,000	2016-2019
	11/1/2015	-	4,850	150	-	5,000	2019
	12/1/2015	-	145,500	4,500	-	150,000	2016-2019
	1/1/2016	-	17,693	2,307	-	20,000	2018-2019
	6/1/2016	-	4,850	150	-	5,000	2019
	7/1/2016	-	275,865	14,135	-	290,000	2017-2019
	9/1/2016	-	24,250	750	-	25,000	2017-2019
	10/1/2016	-	4,850	150	-	5,000	2018
	11/1/2016	-	77,600	2,400	-	80,000	2017-2019
	12/1/2016	-	126,100	3,900	-	130,000	2017-2019
	1/1/2017	-	59,950	5,050	-	65,000	2017-2019
	4/1/2017	-	19,400	600	-	20,000	2017-2019
	5/1/2017	-	48,500	1,500	-	50,000	2017-2019
	6/1/2017	-	67,900	2,100	-	70,000	2017-2019
	7/1/2017	-	8,839	1,161	-	10,000	2018
	1/1/2018	-	60,613	4,387	-	65,000	2018-2019
	4/1/2018	-	24,250	750	-	25,000	2018-2019
5/1/2018	-	33,950	1,050	-	35,000	2018-2019	
6/1/2018	-	43,650	1,350	-	45,000	2018-2019	
7/1/2018	-	8,772	1,228	-	10,000	2019	
11/1/2018	-	24,250	750	-	25,000	2019	
12/1/2018	-	19,400	600	-	20,000	2019	
Total 2013 B		-	1,804,416	85,584	-	1,890,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



Series	Bond Call Date	Source of Funds				Total Bonds Called	Maturity Date(s) of Bond(s) Called
		Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other		
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	
Total 2013 C		-	10,059,214	475,786	-	10,535,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



Series	Bond Call Date	Source of Funds					Total Bonds Called	Maturity Date(s) of Bond(s) Called
		Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other			
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		

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018**



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
	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
	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
Total 2014 A		-	22,656,200	928,800	-	23,585,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



Series	Bond Call Date	Source of Funds				Total Bonds Called	Maturity Date(s) of Bond(s) Called
		Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other		
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	

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018**



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
	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
	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
Total 2014 B		-	23,527,700	957,300	-	24,485,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



Series	Bond Call Date	Source of Funds					Total Bonds Called	Maturity Date(s) of Bond(s) Called
		Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other			
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		

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018**



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
	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
Total 2014 C		-	51,189,135	1,910,865	-	53,100,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>					<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>			
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		
Total 2014 D		-	2,014,172	80,828	-	2,095,000		

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



Series	Bond Call Date	Source of Funds					Total Bonds Called	Maturity Date(s) of Bond(s) Called
		Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other			
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		
Total 2014 E		-	23,415,093	969,907	-	24,385,000		

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
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	
Total 2015 A		-	16,973,403	641,597	-	17,615,000	

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018**



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
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
Total 2015 C		-	19,707,597	732,403	-	20,440,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



Series	Bond Call Date	Source of Funds					Total Bonds Called	Maturity Date(s) of Bond(s) Called
		Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other			
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		
Total 2015 E		-	31,964,247	1,140,753	-	33,105,000		

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



Series	Bond Call Date	Source of Funds				Total Bonds Called	Maturity Date(s) of Bond(s) Called
		Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other		
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
Total 2015 F		-	14,444,103	570,897	-	15,015,000	
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
Total 2016 A		-	15,114,296	535,704	-	15,650,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
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
Total 2016 B		-	21,997,734	752,266	-	22,750,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
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	
Total 2016 C		-	5,230,920	174,080	-	5,405,000	

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018**



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
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
Total 2016 D		-	1,567,801	17,199	-	1,585,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



Series	Bond Call Date	Source of Funds					Total Bonds Called	Maturity Date(s) of Bond(s) Called
		Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other			
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	
Total 2016 E		-	14,876,311	153,689	-	-	15,030,000	
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
Total 2017 A		-	10,246,864	178,136	-	-	10,425,000	

Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018



Series	Bond Call Date	Source of Funds					Total Bonds Called	Maturity Date(s) of Bond(s) Called
		Unexpended Proceeds	Series Excess Revenues (including Prepayments)	Reserve Excess	Other			
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		
Total 2017 B		-	4,657,400	77,600	-	4,735,000		
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	
Total 2017 D		-	2,149,358	15,642	-	2,165,000		
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	
	Total 2017 E		-	3,317,984	22,016	-	3,340,000	
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	
Total 2018 A		-	681,970	3,030	-	685,000		

**Residential Housing Finance Bond Resolution
Source of Funds Used to Call Bonds
Information as of December 31, 2018**



<u>Series</u>	<u>Bond Call Date</u>	<u>Source of Funds</u>				<u>Total Bonds Called</u>	<u>Maturity Date(s) of Bond(s) Called</u>
		<u>Unexpended Proceeds</u>	<u>Series Excess Revenues (including Prepayments)</u>	<u>Reserve Excess</u>	<u>Other</u>		
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
Total 2018 B		-	950,776	4,224	-	955,000	
Total		\$ -	\$ 519,987,246	\$ 16,857,538	\$ 3,415,216	\$ 540,260,000	

**Residential Housing Finance Bond Resolution
Interest Rate Swaps
Information as of December 31, 2018**



<u>Associated Bond Series</u>	<u>12/31/2018 Notional Amounts</u>	<u>Effective Date</u>	<u>Swap Maturity Date</u>	<u>Fixed Rate Payable</u>	<u>Variable Rate Receivable</u>	<u>12/31/2018 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	\$ (587,796)
	\$ 35,000,000					\$ (587,796)

**Residential Housing Finance Bond Resolution
Interest Rate Swaps
Information as of December 31, 2018**



<u>Associated Bond Series</u>	<u>12/31/2018 Notional Amounts</u>	<u>Effective Date</u>	<u>Swap Maturity Date</u>	<u>Fixed Rate Payable</u>	<u>Variable Rate Receivable</u>	<u>12/31/2018 GASB72 Fair Value¹</u>
Counterparty: Royal Bank of Canada						
Moody's Aa2 (stable outlook) / Standard & Poor's AA- (stable outlook)						
RHFB 2009C/2017C	40,000,000	February 12, 2009	July 1, 2036	4.215%	64% of 3 month LIBOR ² plus 0.26% per annum	(487,076)
RHFB 2015D	18,225,000	August 11, 2015	January 1, 2046	2.343%	67% of 1 month LIBOR ²	20,288
RHFB 2015G	35,000,000	December 8, 2015	January 1, 2034	1.953%	67% of 1 month LIBOR ²	403,938
RHFB 2016F	50,000,000	December 22, 2016	January 1, 2041	2.175%	67% of 1 month LIBOR ²	(138,620)
RHFB 2018H	35,000,000	December 12, 2018	July 1, 2041	2.8035%	70% of 1 month LIBOR ²	(1,488,215)
	<u>\$ 178,225,000</u>					<u>\$ (1,689,685)</u>

**Residential Housing Finance Bond Resolution
Interest Rate Swaps
Information as of December 31, 2018**



<u>Associated Bond Series</u>	<u>12/31/2018 Notional Amounts</u>	<u>Effective Date</u>	<u>Swap Maturity Date</u>	<u>Fixed Rate Payable</u>	<u>Variable Rate Receivable</u>	<u>12/31/2018 GASB72 Fair Value¹</u>
Counterparty: Wells Fargo Bank, NA						
Moody's Aa2 (negative outlook) / Standard & Poor's A+(stable outlook)						
RHFB 2017C	- ³	January 1, 2019	January 1, 2038	2.180%	67% of 1 month LIBOR ²	77,211
RHFB 2017F	40,000,000	December 21, 2017	January 1, 2041	2.261%	67% of 1 month LIBOR ²	219,350
	<u>\$ 40,000,000</u>					<u>\$ 296,561</u>
	<u>\$ 253,225,000</u>					<u>\$ (1,980,920)</u>

¹A positive fair value represents money due to the Agency by the counterparty upon an assumed termination on December 31, 2018. A negative number represents money payable by the Agency. The fair values as of December 31, 2018 were calculated by a consultant engaged by the Agency.

²London Interbank Offered Rate

³RHFB 2017C notional amount outstanding becomes effective January 1, 2019.

**RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018**



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 (a)	5.530	390,000	-	390,000	-	N/A
60415NH88	1/1/2037	Term (a)	5.760	15,095,000	55,000	14,455,000	585,000	1
				\$ 18,000,000	\$ 2,485,000	\$ 14,930,000	\$ 585,000	

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.

** 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, 2018**



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
		Pass						
60415NR20	1/1/2038	Through (a)	6.345	\$ 70,000,000	\$ -	\$ 51,785,000	\$ 18,215,000	None
				\$ 70,000,000	\$ -	\$ 51,785,000	\$ 18,215,000	

(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.

** 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, 2018



Residential Housing Finance Bonds, 2009 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)
--	1/1/2011	Serial	1.200	\$ 1,780,000	\$ 1,765,000	\$ 15,000	\$ -	N/A
--	7/1/2011	Serial	1.250	1,800,000	1,780,000	20,000	-	N/A
--	1/1/2012	Serial	1.600	1,820,000	1,760,000	60,000	-	N/A
--	7/1/2012	Serial	1.750	1,840,000	1,715,000	125,000	-	N/A
--	1/1/2013	Serial	2.000	1,865,000	1,575,000	290,000	-	N/A
--	7/1/2013	Serial	2.050	1,000,000	820,000	180,000	-	N/A
60415N5C2	7/1/2017	Serial	3.650	895,000	465,000	430,000	-	N/A
60415N4S8	1/1/2018	Serial	3.875	1,435,000	680,000	755,000	-	N/A
60415N5D0	7/1/2018	Serial	3.875	1,425,000	640,000	785,000	-	N/A
60415N4T6	1/1/2019	Serial	3.950	450,000	-	245,000	205,000	1
60415N5E8	7/1/2019	Serial	3.950	615,000	-	400,000	215,000	1
60415N5F5	1/1/2020	Term (a)	4.050	3,360,000	-	1,975,000	1,385,000	1
60415N4U3	7/1/2020	Serial	4.000	1,545,000	-	950,000	595,000	1
				\$ 19,830,000	\$ 11,200,000	\$ 6,230,000	\$ 2,400,000	

continued and notes appear on next page

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018



Residential Housing Finance Bonds, 2009 Series D, continued from prior page

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2009 Series D, 2009 Series E, and 2009 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".

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, 2019 and thereafter - 100%.

(a): Sinking fund redemptions begin January 1, 2019.

** 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, 2018**



Residential Housing Finance Bonds, 2009 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)
--	7/1/2013	Serial	2.050	\$ 895,000	\$ 755,000	\$ 140,000	\$ -	N/A
--	1/1/2014	Serial	2.500	1,920,000	1,485,000	435,000	-	N/A
--	7/1/2014	Serial	2.550	1,950,000	1,465,000	485,000	-	N/A
--	1/1/2015	Serial	2.950	1,985,000	1,400,000	585,000	-	N/A
--	7/1/2015	Serial	3.000	1,505,000	1,045,000	460,000	-	N/A
--	1/1/2016	Serial	3.375	585,000	360,000	225,000	-	N/A
60415N5L2	1/1/2021	Serial	4.150	1,670,000	-	970,000	700,000	1
60415N5M0	7/1/2021	Serial	4.200	1,715,000	-	1,010,000	705,000	1
60415N4X7	7/1/2024	Term (a)	4.550	11,315,000	-	6,590,000	4,725,000	1
60415N4Y5	7/1/2029	Term (b)	4.900	22,700,000	-	13,210,000	9,490,000	1
60415N4Z2	7/1/2034	Term (c)	5.050	23,170,000	-	13,495,000	9,675,000	1
60415N5G3	1/1/2040	Term (d)	5.100	34,550,000	-	20,140,000	14,410,000	1
				<u>\$ 103,960,000</u>	<u>\$ 6,510,000</u>	<u>\$ 57,745,000</u>	<u>\$ 39,705,000</u>	

continued and notes appear on next page

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018



Residential Housing Finance Bonds, 2009 Series E, continued from prior page

* Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

Note A: Priorities cited are for calls made under Special Redemption Provisions from excess revenues (including prepayments) of 2009 Series D, 2009 Series E, and 2009 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".

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, 2019 and thereafter - 100%.

- (a): Sinking fund redemptions begin January 1, 2022.
- (b): Sinking fund redemptions begin January 1, 2025.
- (c): Sinking fund redemptions begin January 1, 2030.
- (d): Sinking fund redemptions begin January 1, 2035.

** 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, 2018



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	-	1,225,000	1,355,000	2
60416SAP5	7/1/2019	Serial	3.100	2,630,000	-	1,270,000	1,360,000	2
60416SAQ3	1/1/2020	Serial	3.350	2,675,000	-	1,270,000	1,405,000	2
60416SAR1	7/1/2020	Serial	3.400	2,730,000	-	1,315,000	1,415,000	2
60416SAS9	1/1/2021	Serial	3.550	2,790,000	-	1,345,000	1,445,000	2
60416SAT7	7/1/2021	Serial	3.550	2,855,000	-	1,380,000	1,475,000	2
60416SAU4	1/1/2022	Serial	3.750	2,920,000	-	1,415,000	1,505,000	2
60416SAV2	7/1/2022	Serial	3.750	2,990,000	-	1,435,000	1,555,000	2
60416SAW0	1/1/2023	Serial	3.900	2,460,000	-	1,180,000	1,280,000	2
				<u>\$ 50,945,000</u>	<u>\$ 18,915,000</u>	<u>\$ 19,235,000</u>	<u>\$ 12,795,000</u>	

continued and notes appear on next page

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018



Residential Housing Finance Bonds, 2012 Series A, continued from prior page

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%.

** 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, 2018



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	\$ -	\$ 270,000	\$ 335,000	2
60416SAY6	7/1/2023	Serial	3.300	3,135,000	-	1,420,000	1,715,000	2
60416SAZ3	1/1/2024	Serial	3.450	3,215,000	-	1,485,000	1,730,000	2
60416SBA7	7/1/2024	Serial	3.450	1,875,000	-	1,050,000	825,000	2
				<u>\$ 8,830,000</u>	<u>\$ -</u>	<u>\$ 4,225,000</u>	<u>\$ 4,605,000</u>	

* Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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%.

** 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, 2018**



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	\$ -	\$ 3,940,000	\$ 4,295,000	2
60416SBC3	1/1/2029	Term (b)	3.850	22,740,000	-	10,855,000	11,885,000	2
				<u>\$ 30,975,000</u>	<u>\$ -</u>	<u>\$ 14,795,000</u>	<u>\$ 16,180,000</u>	

* Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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.

** 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, 2018**



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	\$ -	\$ 7,880,000	\$ 8,585,000	2
60416SBE9	7/1/2040	Term (b)	4.000	43,535,000	-	35,115,000	8,420,000	1
				<u>\$ 60,000,000</u>	<u>\$ -</u>	<u>\$ 42,995,000</u>	<u>\$ 17,005,000</u>	

* Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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.

** 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, 2018**



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	-	18,955,000	6,865,000	1
				<u>\$ 33,305,000</u>	<u>\$ 7,095,000</u>	<u>\$ 19,345,000</u>	<u>\$ 6,865,000</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.

** 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, 2018**



Residential Housing Finance Bonds, 2013 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)
--	7/1/2016	Serial	0.900	\$ 885,000	\$ 800,000	\$ 85,000	\$ -	N/A
60416SCC2	1/1/2017	Serial	1.100	1,450,000	1,240,000	210,000	-	N/A
60416SCD0	7/1/2017	Serial	1.200	1,465,000	1,205,000	260,000	-	N/A
60416SCE8	1/1/2018	Serial	1.450	1,480,000	1,200,000	280,000	-	N/A
60416SCF5	7/1/2018	Serial	1.550	1,500,000	1,145,000	355,000	-	N/A
60416SCG3	1/1/2019	Serial	1.700	1,515,000	-	405,000	1,110,000	2
60416SCH1	7/1/2019	Serial	1.800	1,260,000	-	295,000	965,000	2
				<u>\$ 9,555,000</u>	<u>\$ 5,590,000</u>	<u>\$ 1,890,000</u>	<u>\$ 2,075,000</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.

** 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, 2018



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	\$ -	\$ 65,000	\$ 210,000	2
60416SCK4	1/1/2020	Serial	2.000	1,555,000	-	360,000	1,195,000	2
60416SCL2	7/1/2020	Serial	2.100	1,580,000	-	375,000	1,205,000	2
60416SCM0	1/1/2021	Serial	2.300	1,600,000	-	385,000	1,215,000	2
60416SCN8	7/1/2021	Serial	2.350	1,625,000	-	395,000	1,230,000	2
60416SCP3	1/1/2022	Serial	2.550	1,650,000	-	405,000	1,245,000	2
60416SCQ1	7/1/2022	Serial	2.550	1,680,000	-	425,000	1,255,000	2
60416SCR9	1/1/2023	Serial	2.750	1,710,000	-	450,000	1,260,000	2
60416SCS7	7/1/2023	Serial	2.750	1,740,000	-	480,000	1,260,000	2
60416SCT5	7/1/2033	Term (a)	3.600	8,180,000	-	2,035,000	6,145,000	2
60416SCU2	7/1/2038	Term (b)	3.800	11,260,000	-	2,810,000	8,450,000	2
60416SCV0	7/1/2043	Term (c)	3.900	9,455,000	-	2,350,000	7,105,000	2
				\$ 42,310,000	\$ -	\$ 10,535,000	\$ 31,775,000	

continued and notes appear on next page

**RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018**



Residential Housing Finance Bonds, 2013 Series C, continued from prior page

* Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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.

** 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, 2018



Residential Housing Finance Bonds, 2014 Series A

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)
--	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	-	670,000	565,000	2
60416SFK1	7/1/2019	Serial	1.750	1,230,000	-	665,000	565,000	2
60416SFL9	1/1/2020	Serial	2.100	1,220,000	-	655,000	565,000	2
60416SFM7	7/1/2020	Serial	2.200	1,215,000	-	650,000	565,000	2
60416SFN5	1/1/2021	Serial	2.500	1,210,000	-	640,000	570,000	2
60416SFP0	7/1/2021	Serial	2.600	1,205,000	-	635,000	570,000	2
60416SFQ8	1/1/2022	Serial	2.800	1,200,000	-	630,000	570,000	2
60416SFR6	7/1/2022	Serial	2.900	1,200,000	-	630,000	570,000	2
60416SFS4	1/1/2023	Serial	3.050	1,200,000	-	630,000	570,000	2
60416SFT2	7/1/2023	Serial	3.100	1,200,000	-	630,000	570,000	2
60416SFU9	1/1/2024	Serial	3.300	1,200,000	-	630,000	570,000	2
60416SFW5	7/1/2024	Serial	3.350	1,200,000	-	630,000	570,000	2
60416SFX3	1/1/2027	Term (a)	3.750	5,095,000	-	2,730,000	2,365,000	2
60416SFV7	7/1/2038	Term (b)	4.000	20,770,000	-	10,915,000	9,855,000	1
				\$ 50,000,000	\$ 7,375,000	\$ 23,585,000	\$ 19,040,000	

continued and notes appear on next page

**RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018**



Residential Housing Finance Bonds, 2014 Series A, continued from prior page

* Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018



Residential Housing Finance Bonds, 2014 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)
--	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	-	730,000	480,000	2
60416SGH7	7/1/2019	Serial	1.700	1,205,000	-	725,000	480,000	2
60416SGJ3	1/1/2020	Serial	2.000	1,195,000	-	715,000	480,000	2
60416SGK0	7/1/2020	Serial	2.100	1,195,000	-	715,000	480,000	2
60416SGL8	1/1/2021	Serial	2.350	1,190,000	-	710,000	480,000	2
60416SGM6	7/1/2021	Serial	2.450	1,185,000	-	705,000	480,000	2
60416SGN4	1/1/2022	Serial	2.700	1,185,000	-	705,000	480,000	2
60416SGP9	7/1/2022	Serial	2.750	1,185,000	-	705,000	480,000	2
60416SGQ7	1/1/2023	Serial	2.950	1,185,000	-	700,000	485,000	2
60416SGR5	7/1/2023	Serial	2.950	1,185,000	-	700,000	485,000	2
60416SGS3	1/1/2024	Serial	3.050	1,190,000	-	705,000	485,000	2
60416SGT1	7/1/2024	Serial	3.050	1,190,000	-	705,000	485,000	2
60416SGW4	1/1/2025	Serial	3.200	1,195,000	-	710,000	485,000	2
60416SGX2	7/1/2025	Serial	3.200	1,200,000	-	715,000	485,000	2
60416SGY0	1/1/2026	Serial	3.350	1,205,000	-	720,000	485,000	2
60416SGU8	7/1/2026	Serial	3.350	380,000	-	225,000	155,000	2
60416SGV6	1/1/2038	Term (a)	4.000	22,460,000	-	11,760,000	10,700,000	1
				<u>\$ 50,000,000</u>	<u>\$ 7,425,000</u>	<u>\$ 24,485,000</u>	<u>\$ 18,090,000</u>	

continued and notes appear on next page

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018



Residential Housing Finance Bonds, 2014 Series B, continued from prior page

* Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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.

** 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, 2018



Residential Housing Finance Bonds, 2014 Series C

AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
--	7/1/2015	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	-	1,115,000	\$ 2,345,000	2
60416SHJ2	7/1/2019	Serial	1.800	3,510,000	-	1,130,000	\$ 2,380,000	2
60416SHK9	1/1/2020	Serial	2.050	3,560,000	-	1,150,000	\$ 2,410,000	2
60416SHL7	7/1/2020	Serial	2.150	665,000	-	215,000	\$ 450,000	2
60416SHQ6	7/1/2022	Serial	2.900	3,900,000	-	1,255,000	\$ 2,645,000	2
60416SHR4	1/1/2023	Serial	3.000	3,970,000	-	1,270,000	\$ 2,700,000	2
60416SHS2	7/1/2023	Serial	3.050	4,060,000	-	1,300,000	\$ 2,760,000	2
60416SHT0	1/1/2024	Serial	3.125	4,145,000	-	1,330,000	\$ 2,815,000	2
60416SHU7	7/1/2024	Serial	3.125	4,240,000	-	1,360,000	\$ 2,880,000	2
60416SHV5	1/1/2025	Serial	3.200	4,330,000	-	1,390,000	\$ 2,940,000	2
60416SHX1	1/1/2045	Term (a)	4.000	84,225,000	-	37,645,000	\$ 46,580,000	1
				\$ 143,145,000	\$ 19,140,000	\$ 53,100,000	\$ 70,905,000	

continued and notes appear on next page

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018



Residential Housing Finance Bonds, 2014 Series C, continued from prior page

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, 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, 2032.

** 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, 2018**



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	\$ -	\$ 1,405,000	\$ 3,020,000	2
60416SHY9	1/1/2026	Serial	3.100	2,160,000	-	690,000	1,470,000	2
				<u>\$ 6,585,000</u>	<u>\$ -</u>	<u>\$ 2,095,000</u>	<u>\$ 4,490,000</u>	

* Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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, 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%.

** 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, 2018**



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	\$ -	\$ 955,000	\$ 2,000,000	2
60416SHN3	1/1/2021	Serial	2.200	3,660,000	-	1,170,000	2,490,000	2
60416SHP8	7/1/2021	Serial	2.300	3,720,000	-	1,200,000	2,520,000	2
60416SHW3	1/1/2022	Serial	2.600	3,815,000	-	1,230,000	2,585,000	2
60416SJC5	1/1/2026	Serial	3.100	2,375,000	-	760,000	1,615,000	2
60416SJD3	7/1/2026	Serial	3.100	4,580,000	-	1,465,000	3,115,000	2
60416SJA9	7/1/2029	Term (a)	3.350	29,485,000	-	9,450,000	20,035,000	2
60416SJB7	1/1/2032	Term (b)	3.500	25,410,000	-	8,155,000	17,255,000	2
				\$ 76,000,000	\$ -	\$ 24,385,000	\$ 51,615,000	

continued and notes appear on next page

**RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018**



Residential Housing Finance Bonds, 2014 Series E, continued from prior page

* Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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, 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, 2027.

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

** 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, 2018**



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	\$ -	\$ 17,615,000	\$ 25,455,000	1
				\$ 43,070,000	\$ -	\$ 17,615,000	\$ 25,455,000	

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.

** 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, 2018



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	-	580,000	1,065,000	2
60416SKN9	7/1/2019	Serial	1.450	1,665,000	-	590,000	1,075,000	2
60416SKP4	1/1/2020	Serial	1.700	1,690,000	-	600,000	1,090,000	2
60416SKQ2	7/1/2020	Serial	1.800	1,715,000	-	605,000	1,110,000	2
60416SKR0	1/1/2021	Serial	2.050	1,740,000	-	615,000	1,125,000	2
60416SKS8	7/1/2021	Serial	2.100	1,765,000	-	620,000	1,145,000	2
60416SKT6	1/1/2022	Serial	2.350	1,790,000	-	620,000	1,170,000	2
60416SKU3	7/1/2022	Serial	2.400	1,820,000	-	640,000	1,180,000	2
60416SKV1	1/1/2023	Serial	2.55	1,855,000	-	650,000	1,205,000	2
60416SKW9	7/1/2023	Serial	2.60	1,890,000	-	665,000	1,225,000	2
60416SKX7	1/1/2024	Serial	2.75	1,930,000	-	675,000	1,255,000	2
60416SKY5	7/1/2024	Serial	2.80	1,965,000	-	690,000	1,275,000	2
60416SKZ2	1/1/2025	Serial	2.90	2,005,000	-	700,000	1,305,000	2
60416SLA6	7/1/2025	Serial	2.95	2,050,000	-	715,000	1,335,000	2
60416SLB4	1/1/2026	Serial	3.05	2,090,000	-	735,000	1,355,000	2
60416SLC2	7/1/2026	Serial	3.10	2,135,000	-	760,000	1,375,000	2
60416SLD0	7/1/2031	Term(a)	3.60	24,245,000	-	8,505,000	15,740,000	2
				\$ 61,780,000	\$ 6,310,000	\$ 20,440,000	\$ 35,030,000	

continued and notes appear on next page

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018



Residential Housing Finance Bonds, 2015 Series C, continued from prior page

* Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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

** 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, 2018**



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)
60416SLE8	1/1/2046	Term (a)	Variable*	\$ 18,225,000	\$ -	\$ -	\$ 18,225,000	2
				\$ 18,225,000	\$ -	\$ -	\$ 18,225,000	

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: 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, 2018 was 1.73%.

** 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, 2018



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	-	875,000	1,450,000	2
60416SMR8	7/1/2019	Serial	1.750	2,360,000	-	905,000	1,455,000	2
60416SMS6	1/1/2020	Serial	1.900	2,395,000	-	925,000	1,470,000	2
60416SMT4	7/1/2020	Serial	2.000	2,435,000	-	930,000	1,505,000	2
60416SMU1	1/1/2021	Serial	2.150	2,475,000	-	945,000	1,530,000	2
60416SMV9	7/1/2021	Serial	2.250	2,515,000	-	955,000	1,560,000	2
60416SMW7	1/1/2022	Serial	2.350	2,560,000	-	980,000	1,580,000	2
60416SMX5	7/1/2022	Serial	2.450	2,610,000	-	995,000	1,615,000	2
60416SMY3	1/1/2023	Serial	2.650	1,930,000	-	735,000	1,195,000	2
60416SMZ0	1/1/2046	Term(a)	3.500	64,500,000	-	22,970,000	41,530,000	1
				<u>\$ 96,930,000</u>	<u>\$ 8,935,000</u>	<u>\$ 33,105,000</u>	<u>\$ 54,890,000</u>	

continued and notes appear on next page

**RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018**



Residential Housing Finance Bonds, 2015 Series E, continued from prior page

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.

** 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, 2018**



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	\$ -	\$ 280,000	\$ 450,000	2
60416SNB2	7/1/2023	Serial	2.400	2,715,000	-	1,030,000	1,685,000	2
60416SNC0	1/1/2024	Serial	2.600	2,770,000	-	1,055,000	1,715,000	2
60416SND8	7/1/2024	Serial	2.650	2,830,000	-	1,075,000	1,755,000	2
60416SNE6	1/1/2025	Serial	2.750	2,890,000	-	1,100,000	1,790,000	2
60416SNF3	7/1/2025	Serial	2.800	2,955,000	-	1,120,000	1,835,000	2
60416SNG1	1/1/2026	Serial	2.900	3,020,000	-	1,150,000	1,870,000	2
60416SNJ5	7/1/2026	Serial	2.950	3,090,000	-	1,180,000	1,910,000	2
60416SNH9	7/1/2029	Term(a)	3.300	18,515,000	-	7,025,000	11,490,000	2
				\$ 39,515,000	\$ -	\$ 15,015,000	\$ 24,500,000	

* Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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
Information as of December 31, 2018**



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)
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>	

* Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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, 2018 was 1.70%.

** 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, 2018



Residential Housing Finance Bonds, 2016 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)
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	-	405,000	1,185,000	2
60416SNS5	7/1/2019	Serial	1.300	1,600,000	-	405,000	1,195,000	2
60416SNT3	1/1/2020	Serial	1.500	1,625,000	-	405,000	1,220,000	2
60416SNU0	7/1/2020	Serial	1.550	1,650,000	-	410,000	1,240,000	2
60416SNV8	1/1/2021	Serial	1.700	1,670,000	-	430,000	1,240,000	2
60416SNW6	7/1/2021	Serial	1.750	1,700,000	-	435,000	1,265,000	2
60416SNX4	1/1/2022	Serial	1.950	1,725,000	-	435,000	1,290,000	2
60416SNY2	7/1/2022	Serial	2.000	1,750,000	-	445,000	1,305,000	2
60416SNZ9	1/1/2023	Serial	2.100	1,790,000	-	450,000	1,340,000	2
60416SPA2	7/1/2023	Serial	2.150	1,820,000	-	470,000	1,350,000	2
60416SPB0	1/1/2024	Serial	2.250	1,845,000	-	475,000	1,370,000	2
60416SPC8	7/1/2024	Serial	2.300	1,885,000	-	475,000	1,410,000	2
60416SPD6	1/1/2025	Serial	2.450	1,920,000	-	490,000	1,430,000	2
60416SPE4	7/1/2025	Serial	2.500	1,960,000	-	510,000	1,450,000	2
60416SPF1	1/1/2026	Serial	2.650	1,995,000	-	515,000	1,480,000	2
60416SPG9	7/1/2026	Serial	2.700	2,040,000	-	520,000	1,520,000	2
60416SPH7	7/1/2031	Term (a)	3.100	23,180,000	-	5,910,000	17,270,000	2
60416SPJ3	1/1/2033	Term (b)	3.200	7,285,000	-	1,850,000	5,435,000	2
				<u>\$ 63,135,000</u>	<u>\$ 3,490,000</u>	<u>\$ 15,650,000</u>	<u>\$ 43,995,000</u>	

continued and notes appear on next page

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018



Residential Housing Finance Bonds, 2016 Series A, continued from prior page

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.

** 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, 2018



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	\$ -	\$ 3,995,000	\$ 11,685,000	2
60416SPL8	1/1/2037	Term (b)	3.150	9,850,000	-	2,510,000	7,340,000	2
60416SPM6	7/1/2046	Term (c)	3.500	49,455,000	-	16,245,000	33,210,000	1
				<u>\$ 74,985,000</u>	<u>\$ -</u>	<u>\$ 22,750,000</u>	<u>\$ 52,235,000</u>	

* Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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.

** 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, 2018



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	-	310,000	505,000	2
60416SPR5	1/1/2020	Serial	2.200	425,000	-	130,000	295,000	2
60416SPS3	1/1/2021	Serial	2.450	450,000	-	150,000	300,000	2
60416SPT1	1/1/2022	Serial	2.700	470,000	-	160,000	310,000	2
60416SPU8	1/1/2023	Serial	2.900	500,000	-	185,000	315,000	2
60416SPV6	1/1/2024	Serial	3.050	530,000	-	190,000	340,000	2
60416SPW4	1/1/2025	Serial	3.250	560,000	-	210,000	350,000	2
60416SPX2	1/1/2026	Serial	3.350	590,000	-	240,000	350,000	2
60416SPY0	7/1/2031	Term (a)	3.800	3,900,000	-	1,425,000	2,475,000	2
60416SPZ7	7/1/2037	Term (b)	4.200	5,550,000	-	2,045,000	3,505,000	2
				\$ 15,590,000	\$ 1,440,000	\$ 5,405,000	\$ 8,745,000	

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

** 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, 2018



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	-	285,000	1,330,000	2
60416SSH4	7/1/2019	Serial	1.900	1,640,000	-	300,000	1,340,000	2
60416SSJ0	1/1/2020	Serial	2.050	1,665,000	-	315,000	1,350,000	2
60416SSK7	7/1/2020	Serial	2.150	1,690,000	-	325,000	1,365,000	2
60416SSL5	1/1/2021	Serial	2.300	125,000	-	10,000	115,000	2
				\$ 11,340,000	\$ 4,255,000	\$ 1,585,000	\$ 5,500,000	

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: July 1, 2026 and thereafter - 100%.

** 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, 2018



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	\$ -	\$ 295,000	\$ 1,295,000	2
60416SSN1	7/1/2021	Serial	2.100	1,745,000	-	310,000	1,435,000	2
60416SSP6	1/1/2022	Serial	2.300	1,775,000	-	320,000	1,455,000	2
60416SSQ4	7/1/2022	Serial	2.400	1,810,000	-	330,000	1,480,000	2
60416SSR2	1/1/2023	Serial	2.500	1,840,000	-	330,000	1,510,000	2
60416SSS0	7/1/2023	Serial	2.600	1,875,000	-	335,000	1,540,000	2
60416SST8	1/1/2024	Serial	2.700	1,915,000	-	345,000	1,570,000	2
60416SSU5	7/1/2024	Serial	2.800	1,955,000	-	350,000	1,605,000	2
60416SSV3	1/1/2025	Serial	2.900	1,995,000	-	360,000	1,635,000	2
60416SSW1	7/1/2025	Serial	2.950	2,040,000	-	365,000	1,675,000	2
60416SSX9	1/1/2026	Serial	3.050	2,085,000	-	380,000	1,705,000	2
60416SSY7	7/1/2026	Serial	3.100	2,130,000	-	380,000	1,750,000	2
60416SSZ4	1/1/2027	Serial	3.200	2,175,000	-	395,000	1,780,000	2
60416STA8	7/1/2027	Serial	3.250	2,225,000	-	400,000	1,825,000	2
60416STB6	1/1/2031	Term(a)	3.700	14,320,000	-	2,590,000	11,730,000	2
60416STC4	1/1/2047	Term (b)	4.000	33,530,000	-	7,545,000	25,985,000	1
				<u>\$ 75,005,000</u>	<u>\$ -</u>	<u>\$ 15,030,000</u>	<u>\$ 59,975,000</u>	

continued and notes appear on next page

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018



Residential Housing Finance Bonds, 2016 Series E, continued from prior page

* Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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.

** 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, 2018**



Residential Housing Finance Bonds, 2016 Series F

AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
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, 2018 was 1.74%.

** 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, 2018



Residential Housing Finance Bonds, 2017 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)
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	-	375,000	1,140,000	2
60416STH3	7/1/2019	Serial	1.400	1,530,000	-	385,000	1,145,000	2
60416STJ9	1/1/2020	Serial	1.500	1,550,000	-	385,000	1,165,000	2
60416STK6	7/1/2020	Serial	1.550	1,570,000	-	390,000	1,180,000	2
60416STL4	1/1/2021	Serial	1.700	1,590,000	-	395,000	1,195,000	2
60416STM2	7/1/2021	Serial	1.750	1,610,000	-	395,000	1,215,000	2
60416STN0	1/1/2022	Serial	1.900	1,630,000	-	395,000	1,235,000	2
60416STP5	7/1/2022	Serial	1.950	1,655,000	-	405,000	1,250,000	2
60416STQ3	1/1/2023	Serial	2.100	1,680,000	-	405,000	1,275,000	2
60416STR1	7/1/2023	Serial	2.150	1,705,000	-	410,000	1,295,000	2
60416STS9	1/1/2024	Serial	2.250	1,730,000	-	420,000	1,310,000	2
60416STT7	7/1/2024	Serial	2.300	1,760,000	-	435,000	1,325,000	2
60416STU4	1/1/2025	Serial	2.450	1,790,000	-	440,000	1,350,000	2
60416STV2	7/1/2025	Serial	2.500	1,820,000	-	440,000	1,380,000	2
60416STW0	1/1/2026	Serial	2.650	1,855,000	-	450,000	1,405,000	2
60416STX8	7/1/2026	Serial	2.700	1,890,000	-	460,000	1,430,000	2
60416STY6	1/1/2027	Serial	2.800	1,925,000	-	470,000	1,455,000	2
60416STZ3	7/1/2027	Serial	2.850	1,965,000	-	485,000	1,480,000	2
60416SUA6	7/1/2030	Term(a)	3.200	10,690,000	-	2,610,000	8,080,000	2
				<u>\$ 43,455,000</u>	<u>\$ 1,720,000</u>	<u>\$ 10,425,000</u>	<u>\$ 31,310,000</u>	

continued and notes appear on next page

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018



Residential Housing Finance Bonds, 2017 Series A, continued from prior page

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.

** 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, 2018



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	\$ -	\$ 915,000	\$ 2,815,000	2
60416SUC2	7/1/2047	Term (b)	4.000	33,660,000	-	3,820,000	29,840,000	1
				<u>\$ 37,390,000</u>	<u>\$ -</u>	<u>\$ 4,735,000</u>	<u>\$ 32,655,000</u>	

* Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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, 2018**



Residential Housing Finance Bonds, 2017 Series C

AMT

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
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, 2018 was 1.74%.

** 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, 2018



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	-	80,000	1,415,000	2
60416SVG2	7/1/2019	Serial	1.800	1,510,000	-	85,000	1,425,000	2
60416SVH0	1/1/2020	Serial	2.000	1,530,000	-	85,000	1,445,000	2
60416SVJ6	7/1/2020	Serial	2.050	1,550,000	-	85,000	1,465,000	2
60416SVK3	1/1/2021	Serial	2.200	1,575,000	-	85,000	1,490,000	2
60416SVL1	7/1/2021	Serial	2.250	1,595,000	-	85,000	1,510,000	2
60416SVM9	1/1/2022	Serial	2.350	1,620,000	-	90,000	1,530,000	2
60416SVN7	7/1/2022	Serial	2.400	1,645,000	-	90,000	1,555,000	2
60416SVP2	1/1/2023	Serial	2.450	1,670,000	-	90,000	1,580,000	2
60416SVQ0	7/1/2023	Serial	2.500	1,695,000	-	90,000	1,605,000	2
60416SVR8	1/1/2024	Serial	2.550	1,725,000	-	90,000	1,635,000	2
60416SVS6	7/1/2024	Serial	2.600	1,750,000	-	90,000	1,660,000	2
60416SVT4	1/1/2025	Serial	2.750	1,780,000	-	90,000	1,690,000	2
60416SVU1	7/1/2025	Serial	2.800	1,810,000	-	100,000	1,710,000	2
60416SVV9	1/1/2026	Serial	2.900	1,845,000	-	100,000	1,745,000	2
60416SVW7	7/1/2026	Serial	2.900	1,875,000	-	100,000	1,775,000	2
60416SVX5	1/1/2027	Serial	2.950	1,910,000	-	100,000	1,810,000	2
60416SVY3	7/1/2027	Serial	3.000	1,950,000	-	100,000	1,850,000	2
60416SVZ0	1/1/2028	Serial	3.100	1,985,000	-	110,000	1,875,000	2
60416SWA4	7/1/2028	Serial	3.150	2,025,000	-	110,000	1,915,000	2
60416SWB2	1/1/2030	Term(a)	3.300	5,355,000	-	290,000	5,065,000	2
				\$ 41,145,000	\$ 1,230,000.00	\$ 2,165,000	\$ 37,750,000	

continued and notes appear on next page

**RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018**



Residential Housing Finance Bonds, 2017 Series D, continued from prior page

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.

** 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, 2018



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	\$ -	\$ 1,035,000	\$ 18,200,000	2
60416SWD8	1/1/2048	Term (b)	4.000	43,840,000	-	2,305,000	41,535,000	1
				<u>\$ 63,075,000</u>	<u>\$ -</u>	<u>\$ 3,340,000</u>	<u>\$ 59,735,000</u>	

* Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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.

** 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, 2018**



Residential Housing Finance Bonds, 2017 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)
60416SWE6	1/1/2041	Term(a)	Variable*	\$ 40,000,000	\$ -	\$ -	\$ 40,000,000	2
				\$ 40,000,000	\$ -	\$ -	\$ 40,000,000	

† Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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, 2018 was 1.70%.

** 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, 2018



Residential Housing Finance Bonds, 2018 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)
60416SWG1	1/1/2019	Serial	1.800	\$ 380,000	\$ -	\$ 10,000	\$ 370,000	2
60416SWH9	7/1/2019	Serial	1.900	575,000	-	10,000	565,000	2
60416SWJ5	1/1/2020	Serial	2.050	575,000	-	10,000	565,000	2
60416SWK2	7/1/2020	Serial	2.200	585,000	-	10,000	575,000	2
60416SWL0	1/1/2021	Serial	2.350	590,000	-	15,000	575,000	2
60416SWM8	7/1/2021	Serial	2.450	600,000	-	20,000	580,000	2
60416SWN6	1/1/2022	Serial	2.500	610,000	-	20,000	590,000	2
60416SWP1	7/1/2022	Serial	2.550	615,000	-	20,000	595,000	2
60416SWQ9	1/1/2023	Serial	2.650	630,000	-	20,000	610,000	2
60416SWR7	7/1/2023	Serial	2.700	570,000	-	10,000	560,000	2
60416SWS5	1/1/2024	Serial	2.850	550,000	-	10,000	540,000	2
60416SWT3	7/1/2024	Serial	2.900	590,000	-	10,000	580,000	2
60416SWU0	1/1/2025	Serial	3.000	930,000	-	20,000	910,000	2
60416SWV8	7/1/2025	Serial	3.050	950,000	-	20,000	930,000	2
60416SWW6	1/1/2026	Serial	3.150	965,000	-	20,000	945,000	2
60416SWX4	7/1/2026	Serial	3.250	985,000	-	25,000	960,000	2
60416SWY2	1/1/2027	Serial	3.350	1,005,000	-	25,000	980,000	2
60416SWZ9	7/1/2027	Serial	3.400	1,030,000	-	25,000	1,005,000	2
60416SXA3	1/1/2028	Serial	3.450	1,050,000	-	25,000	1,025,000	2
60416SXB1	7/1/2028	Serial	3.500	1,180,000	-	30,000	1,150,000	2
60416SXC9	7/1/2032	Term(a)	3.625	13,855,000	-	330,000	13,525,000	2
				\$ 28,820,000	\$ -	\$ 685,000	\$ 28,135,000	

continued and notes appear on next page

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018



Residential Housing Finance Bonds, 2018 Series A, continued from prior page

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.

** 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, 2018**



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	\$ -	\$ 5,000	\$ 95,000	2
60416SXE5	1/1/2020	Serial	1.800	100,000	-	5,000	95,000	2
60416SXF2	7/1/2020	Serial	1.900	100,000	-	5,000	95,000	2
60416SXG0	1/1/2021	Serial	2.000	100,000	-	-	100,000	2
60416SXH8	7/1/2021	Serial	2.100	100,000	-	-	100,000	2
60416SXJ4	1/1/2022	Serial	2.150	100,000	-	-	100,000	2
60416S XK1	7/1/2022	Serial	2.200	100,000	-	-	100,000	2
60416SXL9	1/1/2023	Serial	2.300	100,000	-	-	100,000	2
60416SXM7	7/1/2023	Serial	2.350	175,000	-	5,000	170,000	2
60416S XN5	1/1/2024	Serial	2.500	200,000	-	5,000	195,000	2
60416SXP0	7/1/2024	Serial	2.550	200,000	-	5,000	195,000	2
60416S XQ8	7/1/2033	Term (a)	3.450	5,380,000	-	125,000	5,255,000	2
60416SXR6	7/1/2037	Term (b)	3.650	11,950,000	-	280,000	11,670,000	2
60416SXS4	7/1/2048	Term (c)	4.000	24,975,000	-	520,000	24,455,000	1
				<u>\$ 43,680,000</u>	<u>\$ -</u>	<u>\$ 955,000</u>	<u>\$ 42,725,000</u>	

continued and notes appear on next page

**RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018**



Residential Housing Finance Bonds, 2018 Series B, continued from prior page

* Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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.

** 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, 2018



Residential Housing Finance Bonds, 2018 Series C

Taxable

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Call Priority (Note A and B)
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	-	-	720,000	2
60416SXW5	7/1/2020	Serial	3.000	735,000	-	-	735,000	2
60416SXX3	1/1/2021	Serial	3.050	755,000	-	-	755,000	2
60416SXY1	7/1/2021	Serial	3.150	770,000	-	-	770,000	2
60416SXZ8	1/1/2022	Serial	3.300	790,000	-	-	790,000	2
60416SYA2	7/1/2022	Serial	3.350	810,000	-	-	810,000	2
60416SYB0	1/1/2023	Serial	3.450	825,000	-	-	825,000	2
60416SYC8	7/1/2023	Serial	3.500	845,000	-	-	845,000	2
60416SYD6	1/1/2024	Serial	3.550	870,000	-	-	870,000	2
60416SYE4	7/1/2024	Serial	3.600	865,000	-	-	865,000	2
60416SYF1	1/1/2025	Serial	3.650	760,000	-	-	760,000	2
60416SYG9	7/1/2025	Serial	3.700	775,000	-	-	775,000	2
60416SYH7	1/1/2026	Serial	3.750	795,000	-	-	795,000	2
60416SYJ3	7/1/2026	Serial	3.800	815,000	-	-	815,000	2
60416SYK0	1/1/2027	Serial	3.850	835,000	-	-	835,000	2
60416SYL8	7/1/2027	Serial	3.900	855,000	-	-	855,000	2
60416SYM6	1/1/2028	Serial	3.950	875,000	-	-	875,000	2
60416SYN4	7/1/2028	Serial	4.000	795,000	-	-	795,000	2
60416SYP9	7/1/2033	Term (a)	4.200	3,385,000	-	-	3,385,000	2
60416SYQ7	7/1/2040	Term (b)	4.450	5,805,000	-	-	5,805,000	2
				<u>\$ 25,000,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 25,000,000</u>	

continued and notes appear on next page

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018



Residential Housing Finance Bonds, 2018 Series C, continued from prior page

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.

** 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, 2018**



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	

† Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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, 2018 was 2.14%.

** 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, 2018



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	-	-	215,000	2
60416SA59	1/1/2027	Serial	3.100	1,195,000	-	-	1,195,000	2
60416SA67	7/1/2027	Serial	3.150	1,220,000	-	-	1,220,000	2
60416SA75	1/1/2028	Serial	3.300	1,245,000	-	-	1,245,000	2
60416SA83	7/1/2028	Serial	3.350	1,275,000	-	-	1,275,000	2
60416SA91	1/1/2029	Serial	3.400	1,305,000	-	-	1,305,000	2
60416SB25	7/1/2029	Serial	3.450	1,335,000	-	-	1,335,000	2
60416SB33	1/1/2030	Serial	3.550	1,365,000	-	-	1,365,000	2
60416SB41	7/1/2030	Serial	3.600	1,405,000	-	-	1,405,000	2
60416SB58	1/1/2033	Term(a)	3.800	6,840,000	-	-	6,840,000	2
60416SB66	1/1/2049	Term(b)	4.250	47,650,000	-	-	47,650,000	1
				\$ 65,200,000	\$ -	\$ -	\$ 65,200,000	

continued and notes appear on next page

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018



Residential Housing Finance Bonds, 2018 Series E, continued from prior page

* Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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
Information as of December 31, 2018**



Residential Housing Finance Bonds, 2018 Series F

AMT

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

continued and notes appear on next page

**RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018**



Residential Housing Finance Bonds, 2018 Series F, 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%.

** 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, 2018



Residential Housing Finance Bonds, 2018 Series G

Taxable

CUSIP**	Maturity Date	Bond Type	Interest Rate	Original Amounts	Principal Matured/ Sinking Fund	Principal Redemptions	Principal Outstanding	Maturity Date
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	-	-	340,000	2
60416SF21	7/1/2025	Serial	3.800	345,000	-	-	345,000	2
60416SF39	1/1/2026	Serial	3.850	355,000	-	-	355,000	2
60416SF47	7/1/2026	Serial	3.900	365,000	-	-	365,000	2
60416SF54	1/1/2027	Serial	4.000	375,000	-	-	375,000	2
60416SF62	7/1/2027	Serial	4.050	385,000	-	-	385,000	2
60416SF70	1/1/2028	Serial	1.100	395,000	-	-	395,000	2
60416SF88	7/1/2028	Serial	4.150	405,000	-	-	405,000	2
60416SF96	1/1/2029	Serial	4.200	415,000	-	-	415,000	2
60416SG20	7/1/2029	Serial	4.250	425,000	-	-	425,000	2
60416SG38	7/1/2033	Term (a)	4.450	3,790,000			3,790,000	2
60416SG46	7/1/2038	Term (b)	4.630	5,935,000			5,935,000	2
60416SG53	1/1/2049	Term (c)	4.730	18,265,000	-	-	18,265,000	2
				\$ 35,000,000	\$ -	\$ -	\$ 35,000,000	

continued and notes appear on next page

RESIDENTIAL HOUSING FINANCE BOND RESOLUTION
BONDS OUTSTANDING AND CALL PRIORITY
Information as of December 31, 2018



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.

** 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, 2018**



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
				\$ 35,000,000	\$ -	\$ -	\$ 35,000,000	

† Interest not included in the calculation of adjusted current earnings of corporations for purposes of the federal alternative minimum tax.

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 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, 2018 was 2.26%.

** 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 Summary of Special Redemption Provisions Information as of December 31, 2018

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, 2018**

Residential Housing Finance 2009 Series 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>October 1, 2009 to December 31, 2009</td> <td align="right">56.23%</td> </tr> <tr> <td>January 1, 2010 to June 30, 2011</td> <td align="right">61.55</td> </tr> <tr> <td>July 1, 2011 to June 30, 2012</td> <td align="right">63.25</td> </tr> <tr> <td>July 1, 2012 to June 30, 2015</td> <td align="right">67.20</td> </tr> <tr> <td>July 1, 2015 to June 30, 2018</td> <td align="right">70.94</td> </tr> <tr> <td>July 1, 2018 and thereafter</td> <td align="right">100.00</td> </tr> </tbody> </table> <p>Prepayments that are not 10-year rule restricted may be applied to redeem any outstanding Bonds (including any Series Bonds) selected by the Agency.</p> <p><u>Excess Revenues:</u> Any outstanding Bonds (including the Series Bonds) selected by the Agency.</p>	<u>Dates</u>	<u>Percentages</u>	October 1, 2009 to December 31, 2009	56.23%	January 1, 2010 to June 30, 2011	61.55	July 1, 2011 to June 30, 2012	63.25	July 1, 2012 to June 30, 2015	67.20	July 1, 2015 to June 30, 2018	70.94	July 1, 2018 and thereafter	100.00
<u>Dates</u>	<u>Percentages</u>														
October 1, 2009 to December 31, 2009	56.23%														
January 1, 2010 to June 30, 2011	61.55														
July 1, 2011 to June 30, 2012	63.25														
July 1, 2012 to June 30, 2015	67.20														
July 1, 2015 to June 30, 2018	70.94														
July 1, 2018 and thereafter	100.00														

**Residential Housing Finance Bond Resolution
Summary of Special Redemption Provisions
Information as of December 31, 2018**

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, 2018**

Residential Housing Finance 2013 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 to redeem outstanding Series Bonds, selected by the Agency.</p> <p>10-Year Rule Requirements</p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;"><u>Dates</u></th> <th style="text-align: center;"><u>Percentages</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">June 20, 2013 to December 31, 2022</td> <td style="text-align: center;">49.30%</td> </tr> <tr> <td style="text-align: center;">January 1, 2023 and thereafter</td> <td style="text-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, 2018**

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, 2018**

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, 2018**

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, 2018**

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 style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;"><u>Dates</u></th> <th style="text-align: center;"><u>Percentages</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">August 11, 2015 to August 10, 2025</td> <td style="text-align: center;">47.52%</td> </tr> <tr> <td style="text-align: center;">August 11, 2025 and thereafter</td> <td style="text-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, 2018**

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, 2018

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 style="margin-left: 40px;"> <thead> <tr> <th style="text-align: center;"><u>Dates</u></th> <th style="text-align: center;"><u>Percentages</u></th> </tr> </thead> <tbody> <tr> <td>June 22, 2016 to June 21, 2026</td> <td style="text-align: center;">47.22%</td> </tr> <tr> <td>June 22, 2026 and thereafter</td> <td style="text-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, 2018**

Residential Housing Finance 2016 Series D, E and F																							
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>December 22, 2016 to June 30, 2017</td> <td align="right">39.79%</td> </tr> <tr> <td>July 1, 2017 to June 30, 2018</td> <td align="right">40.21</td> </tr> <tr> <td>July 1, 2018 to June 30, 2020</td> <td align="right">41.04</td> </tr> <tr> <td>July 1, 2020 to June 30, 2021</td> <td align="right">43.95</td> </tr> <tr> <td>July 1, 2021 to June 30, 2022</td> <td align="right">46.82</td> </tr> <tr> <td>July 1, 2022 to June 30, 2023</td> <td align="right">48.51</td> </tr> <tr> <td>July 1, 2023 to June 30, 2024</td> <td align="right">52.74</td> </tr> <tr> <td>July 1, 2024 to June 30, 2025</td> <td align="right">56.34</td> </tr> <tr> <td>July 1, 2025 to December 21, 2026</td> <td align="right">60.83</td> </tr> <tr> <td>December 22, 2026 and thereafter</td> <td align="right">100.00</td> </tr> </tbody> </table> <p>All prepayments must be applied first to redeem the Series E January 2047 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 2047 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 2047 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 2047 PAC Term bonds beyond their cumulative redemption schedule).</p>	<u>Dates</u>	<u>Percentages</u>	December 22, 2016 to June 30, 2017	39.79%	July 1, 2017 to June 30, 2018	40.21	July 1, 2018 to June 30, 2020	41.04	July 1, 2020 to June 30, 2021	43.95	July 1, 2021 to June 30, 2022	46.82	July 1, 2022 to June 30, 2023	48.51	July 1, 2023 to June 30, 2024	52.74	July 1, 2024 to June 30, 2025	56.34	July 1, 2025 to December 21, 2026	60.83	December 22, 2026 and thereafter	100.00
<u>Dates</u>	<u>Percentages</u>																						
December 22, 2016 to June 30, 2017	39.79%																						
July 1, 2017 to June 30, 2018	40.21																						
July 1, 2018 to June 30, 2020	41.04																						
July 1, 2020 to June 30, 2021	43.95																						
July 1, 2021 to June 30, 2022	46.82																						
July 1, 2022 to June 30, 2023	48.51																						
July 1, 2023 to June 30, 2024	52.74																						
July 1, 2024 to June 30, 2025	56.34																						
July 1, 2025 to December 21, 2026	60.83																						
December 22, 2026 and thereafter	100.00																						

Residential Housing Finance Bond Resolution Summary of Special Redemption Provisions Information as of December 31, 2018

Residential Housing Finance 2017 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 to redeem outstanding Series Bonds, selected by the Agency.</p> <p>10-Year Rule Requirements</p> <table style="margin-left: 40px;"> <thead> <tr> <th style="text-align: center;"><u>Dates</u></th> <th style="text-align: center;"><u>Percentages</u></th> </tr> </thead> <tbody> <tr> <td>July 19, 2017 to June 30, 2018</td> <td style="text-align: right;">66.67%</td> </tr> <tr> <td>July 1, 2018 to June 30, 2020</td> <td style="text-align: right;">67.07</td> </tr> <tr> <td>July 1, 2020 to June 30, 2021</td> <td style="text-align: right;">68.53</td> </tr> <tr> <td>July 1, 2021 to June 30, 2022</td> <td style="text-align: right;">69.87</td> </tr> <tr> <td>July 1, 2022 to June 30, 2023</td> <td style="text-align: right;">72.18</td> </tr> <tr> <td>July 1, 2023 to June 30, 2024</td> <td style="text-align: right;">76.38</td> </tr> <tr> <td>July 1, 2024 to June 30, 2025</td> <td style="text-align: right;">80.07</td> </tr> <tr> <td>July 1, 2025 to June 30, 2026</td> <td style="text-align: right;">85.40</td> </tr> <tr> <td>July 1, 2026 to July 18, 2027</td> <td style="text-align: right;">85.82</td> </tr> <tr> <td>July 19, 2027 and thereafter</td> <td style="text-align: right;">100.00</td> </tr> </tbody> </table> <p>All prepayments must be applied first to redeem the Series B July 2047 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 July 2047 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 July 2047 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 2047 PAC Term bonds beyond their cumulative redemption schedule).</p>	<u>Dates</u>	<u>Percentages</u>	July 19, 2017 to June 30, 2018	66.67%	July 1, 2018 to June 30, 2020	67.07	July 1, 2020 to June 30, 2021	68.53	July 1, 2021 to June 30, 2022	69.87	July 1, 2022 to June 30, 2023	72.18	July 1, 2023 to June 30, 2024	76.38	July 1, 2024 to June 30, 2025	80.07	July 1, 2025 to June 30, 2026	85.40	July 1, 2026 to July 18, 2027	85.82	July 19, 2027 and thereafter	100.00
<u>Dates</u>	<u>Percentages</u>																						
July 19, 2017 to June 30, 2018	66.67%																						
July 1, 2018 to June 30, 2020	67.07																						
July 1, 2020 to June 30, 2021	68.53																						
July 1, 2021 to June 30, 2022	69.87																						
July 1, 2022 to June 30, 2023	72.18																						
July 1, 2023 to June 30, 2024	76.38																						
July 1, 2024 to June 30, 2025	80.07																						
July 1, 2025 to June 30, 2026	85.40																						
July 1, 2026 to July 18, 2027	85.82																						
July 19, 2027 and thereafter	100.00																						

Residential Housing Finance Bond Resolution Summary of Special Redemption Provisions Information as of December 31, 2018

Residential Housing Finance 2017 Series D, E and F																							
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 style="margin-left: 40px;"> <thead> <tr> <th style="text-align: center;"><u>Dates</u></th> <th style="text-align: center;"><u>Percentages</u></th> </tr> </thead> <tbody> <tr> <td>December 21, 2017 to June 30, 2018</td> <td style="text-align: right;">24.89%</td> </tr> <tr> <td>July 1, 2018 to June 30, 2020</td> <td style="text-align: right;">26.99</td> </tr> <tr> <td>July 1, 2020 to June 30, 2021</td> <td style="text-align: right;">28.30</td> </tr> <tr> <td>July 1, 2021 to June 30, 2022</td> <td style="text-align: right;">29.31</td> </tr> <tr> <td>July 1, 2022 to June 30, 2023</td> <td style="text-align: right;">30.95</td> </tr> <tr> <td>July 1, 2023 to June 30, 2024</td> <td style="text-align: right;">33.78</td> </tr> <tr> <td>July 1, 2024 to June 30, 2025</td> <td style="text-align: right;">35.97</td> </tr> <tr> <td>July 1, 2025 to June 30, 2026</td> <td style="text-align: right;">39.84</td> </tr> <tr> <td>July 1, 2026 to July 18, 2027</td> <td style="text-align: right;">40.37</td> </tr> <tr> <td>December 21, 2027 and thereafter</td> <td style="text-align: right;">100.00</td> </tr> </tbody> </table> <p>All prepayments must be applied first to redeem the Series E January 2048 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 2048 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 2048 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 2048 PAC Term bonds beyond their cumulative redemption schedule).</p>	<u>Dates</u>	<u>Percentages</u>	December 21, 2017 to June 30, 2018	24.89%	July 1, 2018 to June 30, 2020	26.99	July 1, 2020 to June 30, 2021	28.30	July 1, 2021 to June 30, 2022	29.31	July 1, 2022 to June 30, 2023	30.95	July 1, 2023 to June 30, 2024	33.78	July 1, 2024 to June 30, 2025	35.97	July 1, 2025 to June 30, 2026	39.84	July 1, 2026 to July 18, 2027	40.37	December 21, 2027 and thereafter	100.00
<u>Dates</u>	<u>Percentages</u>																						
December 21, 2017 to June 30, 2018	24.89%																						
July 1, 2018 to June 30, 2020	26.99																						
July 1, 2020 to June 30, 2021	28.30																						
July 1, 2021 to June 30, 2022	29.31																						
July 1, 2022 to June 30, 2023	30.95																						
July 1, 2023 to June 30, 2024	33.78																						
July 1, 2024 to June 30, 2025	35.97																						
July 1, 2025 to June 30, 2026	39.84																						
July 1, 2026 to July 18, 2027	40.37																						
December 21, 2027 and thereafter	100.00																						

Residential Housing Finance Bond Resolution Summary of Special Redemption Provisions Information as of December 31, 2018

Residential Housing Finance 2018 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	Series A, B and C: Anytime. Series D: on or after January 1, 2023																				
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 style="margin-left: 40px;"> <thead> <tr> <th style="text-align: center;"><u>Dates</u></th> <th style="text-align: center;"><u>Percentages</u></th> </tr> </thead> <tbody> <tr> <td>June 28, 2018 to June 30, 2020</td> <td style="text-align: right;">24.91%</td> </tr> <tr> <td>July 1, 2020 to June 30, 2021</td> <td style="text-align: right;">27.79</td> </tr> <tr> <td>July 1, 2021 to June 30, 2022</td> <td style="text-align: right;">29.73</td> </tr> <tr> <td>July 1, 2022 to June 30, 2023</td> <td style="text-align: right;">33.12</td> </tr> <tr> <td>July 1, 2023 to June 30, 2024</td> <td style="text-align: right;">37.64</td> </tr> <tr> <td>July 1, 2024 to June 30, 2025</td> <td style="text-align: right;">43.42</td> </tr> <tr> <td>July 1, 2025 to June 30, 2026</td> <td style="text-align: right;">51.93</td> </tr> <tr> <td>July 1, 2026 to June 27, 2028</td> <td style="text-align: right;">54.65</td> </tr> <tr> <td>June 28, 2028 and thereafter</td> <td style="text-align: right;">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> <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</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
<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																				

Residential Housing Finance Bond Resolution Summary of Special Redemption Provisions Information as of December 31, 2018

	<p>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>
--	--

Residential Housing Finance 2018 Series E, F, G and H																							
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	Series E, F and G: Anytime. Series H: on or after July 1, 2023																						
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 2018 Series E Bonds, 2018 Series F Bonds and 2018 Series H Bonds (the "Tax-Exempt Receipts") to redeem outstanding 2018 Series E Bonds, 2018 Series F Bonds or 2018 Series H Bonds, selected by the Agency.</p> <p>10-Year Rule Requirements</p> <table style="margin-left: 40px;"> <thead> <tr> <th style="text-align: center;"><u>Dates</u></th> <th style="text-align: center;"><u>Percentages</u></th> </tr> </thead> <tbody> <tr> <td>December 12, 2018 to June 30, 2020</td> <td style="text-align: right;">11.30%</td> </tr> <tr> <td>July 1, 2020 to June 30, 2021</td> <td style="text-align: right;">13.54</td> </tr> <tr> <td>July 1, 2021 to June 30, 2022</td> <td style="text-align: right;">15.69</td> </tr> <tr> <td>July 1, 2022 to June 30, 2023</td> <td style="text-align: right;">17.40</td> </tr> <tr> <td>July 1, 2023 to June 30, 2024</td> <td style="text-align: right;">23.60</td> </tr> <tr> <td>July 1, 2024 to June 30, 2025</td> <td style="text-align: right;">27.15</td> </tr> <tr> <td>July 1, 2025 to June 30, 2026</td> <td style="text-align: right;">34.92</td> </tr> <tr> <td>July 1, 2026 to June 30, 2027</td> <td style="text-align: right;">36.13</td> </tr> <tr> <td>July 1, 2027 to December 11, 2028</td> <td style="text-align: right;">37.74</td> </tr> <tr> <td>December 12, 2028 and thereafter</td> <td style="text-align: right;">100.00</td> </tr> </tbody> </table>	<u>Dates</u>	<u>Percentages</u>	December 12, 2018 to June 30, 2020	11.30%	July 1, 2020 to June 30, 2021	13.54	July 1, 2021 to June 30, 2022	15.69	July 1, 2022 to June 30, 2023	17.40	July 1, 2023 to June 30, 2024	23.60	July 1, 2024 to June 30, 2025	27.15	July 1, 2025 to June 30, 2026	34.92	July 1, 2026 to June 30, 2027	36.13	July 1, 2027 to December 11, 2028	37.74	December 12, 2028 and thereafter	100.00
<u>Dates</u>	<u>Percentages</u>																						
December 12, 2018 to June 30, 2020	11.30%																						
July 1, 2020 to June 30, 2021	13.54																						
July 1, 2021 to June 30, 2022	15.69																						
July 1, 2022 to June 30, 2023	17.40																						
July 1, 2023 to June 30, 2024	23.60																						
July 1, 2024 to June 30, 2025	27.15																						
July 1, 2025 to June 30, 2026	34.92																						
July 1, 2026 to June 30, 2027	36.13																						
July 1, 2027 to December 11, 2028	37.74																						
December 12, 2028 and thereafter	100.00																						

**Residential Housing Finance Bond Resolution
Summary of Special Redemption Provisions
Information as of December 31, 2018**

	<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>
--	--

**Residential Housing Finance Bond Resolution
Tax Restricted Prepayments and Repayments
Information as of December 31, 2018**



RHFB 2009 DEF	
Date	Percent
12/31/2018	100.00%

RHFB 2012 ABCD	
Date	Percent
12/31/2018	58.97%
04/26/2022	100.00%

RHFB 2013 ABC	
Date	Percent
12/31/2018	49.30%
01/01/2023	100.00%

RHFB 2014 A	
Date	Percent
12/31/2018	0.00%
03/26/2024	100.00%

RHFB 2014 B	
Date	Percent
12/31/2018	0.00%
04/30/2024	100.00%

RHFB 2014 CDE	
Date	Percent
12/31/2018	65.94%
12/16/2024	100.00%

RHFB 2015 ABCD	
Date	Percent
12/31/2018	47.52%
08/11/2025	100.00%

RHFB 2015 EFG	
Date	Percent
12/31/2018	56.73%
12/08/2025	100.00%

RHFB 2016 AB*	
Date	Percent
12/31/2018	47.22%
06/22/2026	100.00%

RHFB 2016 DEF	
Date	Percent
12/31/2018	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
12/31/2018	67.18%
07/01/2020	68.62%
07/01/2021	69.94%
07/01/2022	72.21%
07/01/2023	76.34%
07/01/2024	79.97%
07/01/2025	85.22%
07/01/2026	85.64%
07/19/2027	100.00%

RHFB 2017 DEF	
Date	Percent
12/31/2018	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**	
Date	Percent
12/31/2018	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***	
Date	Percent
12/31/2018	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%

* 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.

** 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.

*** 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.

**Residential Housing Finance Bond Resolution
Investments
Information as of December 31, 2018**



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	457,340
None	Revenue	GNMA II POOL #755394	7/20/2040	4.25000	71,286
None	Revenue	GNMA II POOL #755398	7/20/2040	4.75000	209,524
None	Revenue	GNMA II POOL #755421	11/20/2040	4.00000	179,797
None	Revenue	GNMA II POOL #755423	10/20/2040	4.50000	149,311
None	Revenue	GNMA II POOL #755715	12/20/2040	4.00000	420,878
None	Revenue	GNMA II POOL #755719	11/20/2040	4.50000	350,575
None	Revenue	GNMA II POOL #755884	1/20/2041	3.62500	194,735
None	Revenue	GNMA II POOL #755885	1/20/2041	3.87500	374,676
None	Revenue	GNMA II Pool #755996	1/20/2041	4.12500	91,694
None	Revenue	GNMA II POOL #755997	1/20/2041	4.37500	110,135
None	Revenue	GNMA II POOL #755998	7/20/2040	4.62500	222,222
None	Revenue	GNMA II POOL #756018	1/20/2041	4.12500	145,651
None	Revenue	GNMA II POOL #756055	1/20/2041	4.12500	132,147
None	Revenue	GNMA II POOL #755753	1/20/2041	3.37500	170,540
None	Revenue	GNMA II Pool #755737	1/20/2041	3.87500	426,377
None	Revenue	GNMA II Pool #755714	12/20/2040	3.87500	81,795
None	Revenue	GNMA II Pool #755799	1/20/2041	3.62500	111,531
None	Revenue	GNMA II Pool #AF0609	7/20/2043	2.50000	769,830
None	Revenue	FNMA POOL #AH5485	1/1/2041	4.12500	51,160
None	Revenue	FNMA Pool #AT9858	5/1/2043	2.90000	364,838
None	Revenue	FNMA Pool #AU7184	5/1/2043	3.00000	194,032
None	Revenue	FNMA Pool #AU7183	7/1/2043	3.00000	1,332,439
None	Revenue	Resolution Funding Corp.	10/15/2019	8.12500	605,000
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	2.23205	48,942,497
06LMN	Bond Fund Interest	Government Money Market Fund	Daily	2.23205	17,703
06LMN	Bond Fund Principal	Government Money Market Fund	Daily	2.23205	10,000
06LMN	Debt Service Reserve	Government Money Market Fund	Daily	2.23205	16,695
06LMN	Redemption	Government Money Market Fund	Daily	2.23205	119,145
07M	Bond Fund Interest	Government Money Market Fund	Daily	2.23205	577,871
07M	Debt Service Reserve	Transamerica Life Insurance Company Inv. Agmt.	7/1/2048	5.26000	546,450
07M	Debt Service Reserve	Government Money Market Fund	Daily	2.23205	20,497
07M	Redemption	Government Money Market Fund	Daily	3.23205	1,435,000
07M	Revenue	Government Money Market Fund	Daily	2.23205	166,221
09DEF	Bond Fund Interest	Government Money Market Fund	Daily	2.23205	1,029,121
09DEF	Bond Fund Principal	Government Money Market Fund	Daily	2.23205	590,000
09DEF	Debt Service Reserve	GNMA II Pool #755712	12/20/2040	3.37500	225,194
09DEF	Debt Service Reserve	GNMA II Pool #755716	8/20/2040	4.12500	126,787
09DEF	Debt Service Reserve	GNMA II Pool #755735	1/20/2041	3.37500	292,010
09DEF	Debt Service Reserve	Government Money Market Fund	Daily	2.23205	688,326
09DEF	Redemption	Government Money Market Fund	Daily	2.23205	1,275,000
09DEF	Revenue	Government Money Market Fund	Daily	2.23205	532,638

**Residential Housing Finance Bond Resolution
Investments
Information as of December 31, 2018**



Series	Fund	Investment Type	Maturity Date	Interest Rate	Par
12ABCD	Bond Fund Interest	Government Money Market Fund	Daily	2.23205 %	\$ 943,837
12ABCD	Bond Fund Principal	Government Money Market Fund	Daily	2.23205	1,355,000
12ABCD	Debt Service Reserve	FNMA Pool #AT7540	7/1/2043	2.90000	820,621
12ABCD	Debt Service Reserve	Government Money Market Fund	Daily	2.23205	794,484
12ABCD	Redemption	Government Money Market Fund	Daily	2.23205	2,840,001
12ABCD	Revenue	Government Money Market Fund	Daily	2.23205	1,403,208
13ABC	Bond Fund Interest	Government Money Market Fund	Daily	2.23205	652,245
13ABC	Bond Fund Principal	Government Money Market Fund	Daily	2.23205	1,110,000
13ABC	Debt Service Reserve	FNMA Pool #AT7541	7/1/2043	3.02500	714,222
13ABC	Debt Service Reserve	Government Money Market Fund	Daily	2.23205	592,231
13ABC	Redemption	Government Money Market Fund	Daily	2.23205	1,820,000
13ABC	Revenue	Government Money Market Fund	Daily	2.23205	1,197,336
14A	Bond Fund Interest	Government Money Market Fund	Daily	2.23205	330,456
14A	Bond Fund Principal	Government Money Market Fund	Daily	2.23205	565,000
14A	Debt Service Reserve	Government Money Market Fund	Daily	2.23205	606,150
14A	Redemption	Government Money Market Fund	Daily	2.23205	1,505,000
14A	Revenue	Government Money Market Fund	Daily	2.23205	890,704
14B	Bond Fund Interest	Government Money Market Fund	Daily	2.23205	311,700
14B	Bond Fund Principal	Government Money Market Fund	Daily	2.23205	480,000
14B	Debt Service Reserve	Government Money Market Fund	Daily	2.23205	607,650
14B	Redemption	Government Money Market Fund	Daily	2.23205	1,655,000
14B	Revenue	Government Money Market Fund	Daily	2.23205	1,195,848
14CDE	Bond Fund Interest	Government Money Market Fund	Daily	2.23205	2,148,383
14CDE	Bond Fund Principal	Government Money Market Fund	Daily	2.23205	2,345,000
14CDE	Debt Service Reserve	Government Money Market Fund	Daily	2.23205	3,908,850
14CDE	Redemption	Government Money Market Fund	Daily	2.23205	4,665,000
14CDE	Revenue	Government Money Market Fund	Daily	2.23205	2,465,391
15ABCD	Bond Fund Interest	Government Money Market Fund	Daily	2.23205	1,165,037
15ABCD	Bond Fund Principal	Government Money Market Fund	Daily	2.23205	1,065,000
15ABCD	Debt Service Reserve	FNMA POOL #AT7535	6/1/2043	2.77500	553,174
15ABCD	Debt Service Reserve	FNMA POOL #AU3005	6/1/2043	2.90000	329,966
15ABCD	Debt Service Reserve	GNMA II POOL #AC8310	1/20/2043	2.50000	57,780
15ABCD	Debt Service Reserve	Government Money Market Fund	Daily	2.23205	1,525,530
15ABCD	Redemption	Government Money Market Fund	Daily	2.23205	2,595,000
15ABCD	Revenue	Government Money Market Fund	Daily	2.23205	1,392,679
15EFG	Bond Fund Interest	Government Money Market Fund	Daily	2.23205	1,497,529
15EFG	Bond Fund Principal	Government Money Market Fund	Daily	2.23205	1,450,000
15EFG	Debt Service Reserve	FNMA POOL #AH099	12/1/2040	3.45000	100,423
15EFG	Debt Service Reserve	Government Money Market Fund	Daily	2.23205	3,486,693
15EFG	Redemption	Government Money Market Fund	Daily	2.23205	3,260,000
15EFG	Revenue	Government Money Market Fund	Daily	2.23205	2,193,807
16ABC	Bond Fund Interest	Government Money Market Fund	Daily	2.23205	1,607,404
16ABC	Bond Fund Principal	Government Money Market Fund	Daily	2.23205	1,690,000
16ABC	Debt Service Reserve	FNMA Pool #AT9856	6/1/2043	2.65000	425,062
16ABC	Debt Service Reserve	FNMA Pool #AH5520	12/1/2040	3.45000	734,817
16ABC	Debt Service Reserve	GNMA II Pool #AC8376	2/20/2043	2.87500	558,649

**Residential Housing Finance Bond Resolution
Investments
Information as of December 31, 2018**



Series	Fund	Investment Type	Maturity Date	Interest Rate	Par
16ABC	Debt Service Reserve	Government Money Market Fund	Daily	2.23205 %	\$ 1,627,502
16ABC	Redemption	Government Money Market Fund	Daily	2.23205	3,140,000
16ABC	Revenue	Government Money Market Fund	Daily	2.23205	2,497,175
16DEF	Bond Fund Interest	Government Money Market Fund	Daily	2.23205	1,479,766
16DEF	Bond Fund Principal	Government Money Market Fund	Daily	2.23205	1,330,000
16DEF	Debt Service Reserve	Government Money Market Fund	Daily	2.23205	967,399
16DEF	Redemption	Government Money Market Fund	Daily	2.23205	1,525,000
16DEF	Revenue	Government Money Market Fund	Daily	2.23205	2,278,803
17ABC	Bond Fund Interest	Government Money Market Fund	Daily	2.23205	1,329,713
17ABC	Bond Fund Principal	Government Money Market Fund	Daily	2.23205	1,140,000
17ABC	Debt Service Reserve	Government Money Market Fund	Daily	2.23205	1,614,763
17ABC	Redemption	Government Money Market Fund	Daily	2.23205	1,315,000
17ABC	Revenue	Government Money Market Fund	Daily	2.23205	2,488,398
17DEF	Bond Fund Interest	Government Money Market Fund	Daily	2.23205	1,932,463
17DEF	Bond Fund Principal	Government Money Market Fund	Daily	2.23205	1,415,000
17DEF	Debt Service Reserve	Government Money Market Fund	Daily	2.23205	776,923
17DEF	Redemption	Government Money Market Fund	Daily	2.23205	930,000
17DEF	Revenue	Government Money Market Fund	Daily	2.23205	2,351,722
18ABCD	Bond Fund Interest	Government Money Market Fund	Daily	2.23205	1,827,663
18ABCD	Bond Fund Principal	Government Money Market Fund	Daily	2.23205	990,000
18ABCD	Debt Service Reserve	Government Money Market Fund	Daily	2.23205	584,967
18ABCD	Redemption	Government Money Market Fund	Daily	2.23205	625,000
18ABCD	Revenue	Government Money Market Fund	Daily	2.23205	2,133,609
18EFGH	Bond Fund Interest	Government Money Market Fund	Daily	2.23205	44,781
18EFGH	Cost of Issuance	Government Money Market Fund	Daily	2.23205	28,921
					<u>\$ 169,621,104</u>

**Residential Housing Finance Bond Resolution
Debt Service Reserve Requirement
Information as of December 31, 2018**

Debt Service Reserve Fund (all series combined)

Debt Service Reserve Requirement

\$22,295,908

Value (Per Resolution)

\$23,207,964