Officer: Alexander T.Tonge

212.815.8179 Associate: Nicholas Grieco

212.815.8219

Distribution Date: 6/25/2019



First Horizon Mortgage Pass-Through Trust Mortgage Pass-Through Certificates, Series 2004-AA3 The Bank of New York, as Trustee

Certificateholder Monthly Distribution Summary

Class	Cusip	Class Description	Certificate Rate Type	Beginning Balance	Pass Through Rate (%)	Principal Distribution	Interest Distribution	Total Distribution	Current Realized Losses	Ending Balance	Cumulative Realized Losses
A1 A2 A3 AR	32051D6B3 32051D6C1 32051D6D9 32051D6E7	Senior Senior Senior Senior	Fix-30/360 Fix-30/360 Fix-30/360 Fix-30/360	4,976,127.51 0.00 3,485,113.82 0.00	4.376760 4.376760 4.376760 4.376760	231,963.10 0.00 162,459.22 0.00	18,149.43 0.00 12,711.26 0.00	250,112.53 0.00 175,170.48 0.00	0.00 0.00 0.00 0.00	4,744,164.41 0.00 3,322,654.60 0.00	0.00 0.00 0.00 0.00 0.00
B1 B2 B3 B4 B5 B6	32051D6F4 32051D6G2 32051D6H0 32051D6J6 32051D6K3 32051D6L1	Junior Junior Junior Junior Junior Junior	Fix-30/360 Fix-30/360 Fix-30/360 Fix-30/360 Fix-30/360 Fix-30/360	1,486,598.36 0.00 0.00 0.00 0.00 0.00	4.376760 4.376760 4.376760 4.376760 4.376760 4.376760	22,531.55 0.00 0.00 0.00 0.00 0.00 0.00	5,422.07 0.00 0.00 0.00 0.00 0.00 0.00	27,953.62 0.00 0.00 0.00 0.00 0.00 0.00	-174,790.99 0.00 0.00 0.00 0.00 0.00 0.00	1,638,857.80 0.00 0.00 0.00 0.00 0.00 0.00	1,229,391.79 1,602,956.33 1,073,874.29 929,799.02 768,312.24 534,168.75
Totals				9,947,839.69		416,953.87	36,282.76	453,236.63	-174,790.99	9,705,676.81	6,138,502.43

Officer: Alexander T.Tonge

212.815.8179
Associate: Nicholas Grieco
212.815.8219



6/25/2019

Distribution Date:

First Horizon Mortgage Pass-Through Trust Mortgage Pass-Through Certificates, Series 2004-AA3 The Bank of New York, as Trustee

Principal Distribution Detail

Class	Cusip	Original Certificate Balance	Beginning Certificate Balance	Net Principal Distribution	Current Realized Losses	Ending Certificate Balance	Ending Certificate Factor
A1 A2 A3 AR	32051D6B3 32051D6C1 32051D6D9 32051D6E7	121,365,000.00 70,000,000.00 15,000,000.00 100.00	4,976,127.51 0.00 3,485,113.82 0.00	231,963.10 0.00 162,459.22 0.00	0.00 0.00 0.00 0.00	4,744,164.41 0.00 3,322,654.60 0.00	0.039090054 0.00000000 0.221510307 0.000000000
B1 B2 B3 B4 B5 B6	32051D6F4 32051D6G2 32051D6H0 32051D6J6 32051D6K3 32051D6L1	6,600,000.00 2,421,000.00 1,540,000.00 1,320,000.00 1,100,000.00 660,188.00	1,486,598.36 0.00 0.00 0.00 0.00 0.00	22,531.55 0.00 0.00 0.00 0.00 0.00	-174,790.99 0.00 0.00 0.00 0.00 0.00	1,638,857.80 0.00 0.00 0.00 0.00 0.00	0.248311788 0.000000000 0.000000000 0.000000000 0.000000
Totals		220,006,288.00	9,947,839.69	416,953.87	-174,790.99	9,705,676.81	

Officer: Alexander T.Tonge

212.815.8179 Associate: Nicholas Grieco

212.815.8219

Distribution Date:



6/25/2019

First Horizon Mortgage Pass-Through Trust Mortgage Pass-Through Certificates, Series 2004-AA3 The Bank of New York, as Trustee

Interest Distribution Detail

Class	Beginning Certificate Balance	Pass Through Rate (%)	Effective Coupon (%)	Current Interest	Interest Carryforward Amount	Deferred Interest	Total Interest Due	Net Interest Shortfall	Interest Paid	Interest Carryforward After Dist.
A1 A2 A3 AR	4,976,127.51 0.00 3,485,113.82 0.00	4.376760 4.376760 4.376760 4.376760	4.376760 0.000000 4.376762 0.000000	18,149.43 0.00 12,711.26 0.00	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	18,149.43 0.00 12,711.26 0.00	0.00 0.00 0.00 0.00 0.00	18,149.43 0.00 12,711.26 0.00	0.00 0.00 0.00 0.00 0.00
B1 B2 B3 B4 B5 B6	1,486,598.36 0.00 0.00 0.00 0.00 0.00 0.00	4.376760 4.376760 4.376760 4.376760 4.376760 4.376760	4.376760 0.000000 0.000000 0.000000 0.000000 0.000000	5,422.07 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 766.85 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	5,422.07 0.00 766.85 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00	5,422.07 0.00 0.00 0.00 0.00 0.00 0.00	0.00 0.00 766.85 0.00 0.00 0.00
Totals	9,947,839.69			36,282.76	766.85	0.00	37,049.61	0.00	36,282.76	766.85

Officer: Alexander T.Tonge

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212.815.8219



CORPORATE TRUST

First Horizon Mortgage Pass-Through Trust Mortgage Pass-Through Certificates, Series 2004-AA3 The Bank of New York, as Trustee

Current Payment Information Factors per \$1,000

Class	Cusip	Original Certificate Balance	Beginning Certificate Balance	Principal Distribution	Interest Distribution	Ending Certificate Balance	Pass Through Rate (%)
A1 A2 A3 AR	32051D6B3 32051D6C1 32051D6D9 32051D6E7	121,365,000.00 70,000,000.00 15,000,000.00 100.00	41.001339019 0.000000000 232.340921333 0.0000000000	1.911284967 0.0000000000 10.830614667 0.000000000	0.149544185 0.000000000 0.847417333 0.000000000	39.090054052 0.000000000 221.510306667 0.0000000000	4.376760 4.376760 4.376760 4.376760
B1 B2 B3 B4 B5 B6	32051D6F4 32051D6G2 32051D6H0 32051D6J6 32051D6K3 32051D6L1	6,600,000.00 2,421,000.00 1,540,000.00 1,320,000.00 1,100,000.00 660,188.00	225.242175758 0.000000000 0.000000000 0.000000000 0.000000	3.413871212 0.000000000 0.000000000 0.000000000 0.000000	0.821525758 0.000000000 0.000000000 0.000000000 0.000000	248.311787879 0.000000000 0.000000000 0.000000000 0.000000	4.376760 4.376760 4.376760 4.376760 4.376760 4.376760
Totals		220,006,288.00	45.216160776	1.895190696	0.164916923	44.115451873	

Officer: Alexander T.Tonge

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Associate: Nicholas Grieco

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Distribution Date: 6/25/2019



First Horizon Mortgage Pass-Through Trust Mortgage Pass-Through Certificates, Series 2004-AA3 The Bank of New York, as Trustee

Original Collateral I	Details

Original Mortgage Loan Details

Original Aggregate Loan Count920Original Stated Principal Balance220,006,287.94Original Weighted Average Mortgage Rate5.79944%Original Weighted Average Net Mortgage Rate5.37544%Original Weighted Average Remaining Term360

Current Collateral Details

Beginning Aggregate Loan Count Loans Paid Off or otherwise removed pursuant to the PSA Ending Aggregate Loan Count	$-\frac{65}{164}$
Beginning Pool Stated Principal Balance Less: Scheduled Principal Less: Unscheduled Principal Less: Realized Principal Losses Plus: Deferred Interest Ending Pool Stated Principal Balance	9,947,839.69 36,696.77 205,466.11 0.00 0.00 9,705,676.81
Beginning Weighted Average Mortgage Rate Beginning Weighted Average Net Mortgage Rate Ending Weighted Average Mortgage Rate Ending Weighted Average Net Mortgage Rate	4.80076% 4.37676% 4.80209% 4.37809%
Beginning Weighted Average Remaining Term to Maturity Ending Weighted Average Remaining Term to Maturity	182 181

Officer: Alexander T.Tonge

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Associate: Nicholas Grieco

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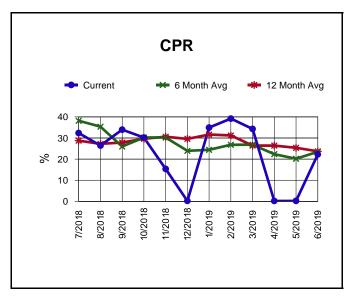




First Horizon Mortgage Pass-Through Trust Mortgage Pass-Through Certificates, Series 2004-AA3 The Bank of New York, as Trustee

Prepayment Rate Summary

SMM % Current SMM % 6 Month Average SMM % 12 Month Average CPR % Current CPR % 6 Month Average CPR % 12 Month Average 2.07308% 2.20038% 2.22647% 22.22768% 23.43220% 23.67696%



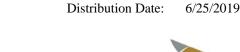
CPR (Constant Prepayment Rate) = 1 - ((1-SMM)^12) SMM (Single Monthly Mortality) = Unscheduled Principal / (Beginning Balance - Scheduled Principal)

Officer: Alexander T.Tonge

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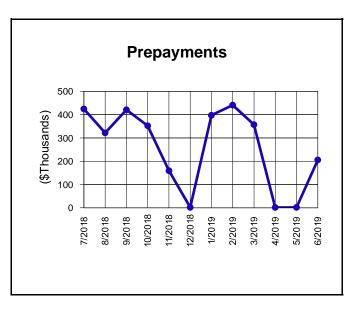


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First Horizon Mortgage Pass-Through Trust Mortgage Pass-Through Certificates, Series 2004-AA3 The Bank of New York, as Trustee

Prepayment Rate Summarry

Prepayment of Principal Prepayment Interest Excess Prepayment Interest Shortfall Compensating Interest Non-Supported Prepayment Interest Shortfall 204,224.50 0.00 0.00 0.00 0.00



Officer: Alexander T.Tonge

212.815.8179 Associate: Nicholas Grieco 212.815.8219 BNY MELLON CORPORATE TRUST

6/25/2019

Distribution Date:

First Horizon Mortgage Pass-Through Trust Mortgage Pass-Through Certificates, Series 2004-AA3 The Bank of New York, as Trustee

Group 1 - Delinquency Status

	DELINQUE	TV		BANKRUPT	CY		FORECLOSU	JRE		REO			TOTAL	
<u>Days</u>	Count	Scheduled Balance	<u>Days</u>	Count	Scheduled Balance	<u>Days</u>	<u>Count</u>	Scheduled Balance	<u>Days</u>	Count	Scheduled Balance	<u>Days</u>	Count	Scheduled Balance
31-60 61-90 91+	4 0 0 4	554,393 0 0 554,393	1-30 31-60 61-90 91+	2 0 0 1 3	279,487 0 0 243,160 522,647	1-30 31-60 61-90 91+	0 0 0 1	0 0 0 381,930 381,930	1-30 31-60 61-90 91+	0 0 0 0	0 0 0 0	1-30 31-60 61-90 91+	2 4 0 2 8	279,487 554,393 0 625,089 1,458,969
<u>Days</u>	<u>Count</u>	Scheduled Balance	<u>Days</u>	Count	Scheduled Balance	<u>Days</u>	Count	Scheduled Balance	<u>Days</u>	Count	Scheduled Balance	<u>Days</u>	Count	Scheduled Balance
31-60 61-90 91+	6.250% 0.000% 0.000% 6.250%	5.712% 0.000% 0.000% 5.712%	1-30 31-60 61-90 91+	3.125% 0.000% 0.000% 1.563% 4.688%	2.880% 0.000% 0.000% 2.505%	1-30 31-60 61-90 91+	0.000% 0.000% 0.000% 1.563%	0.000% 0.000% 0.000% 3.935%	1-30 31-60 61-90 91+	0.000% 0.000% 0.000% 0.000%	0.000% 0.000% 0.000% 0.000%	1-30 31-60 61-90 91+	3.125% 6.250% 0.000% 3.125% 12.500%	2.880% 5.712% 0.000% 6.440% 15.032%

Officer: Alexander T.Tonge

212.815.8179 Associate: Nicholas Grieco 212.815.8219 Distribution Date: 6/25/2019



First Horizon Mortgage Pass-Through Trust Mortgage Pass-Through Certificates, Series 2004-AA3 The Bank of New York, as Trustee

Group 1 - Historical Delinquency Information

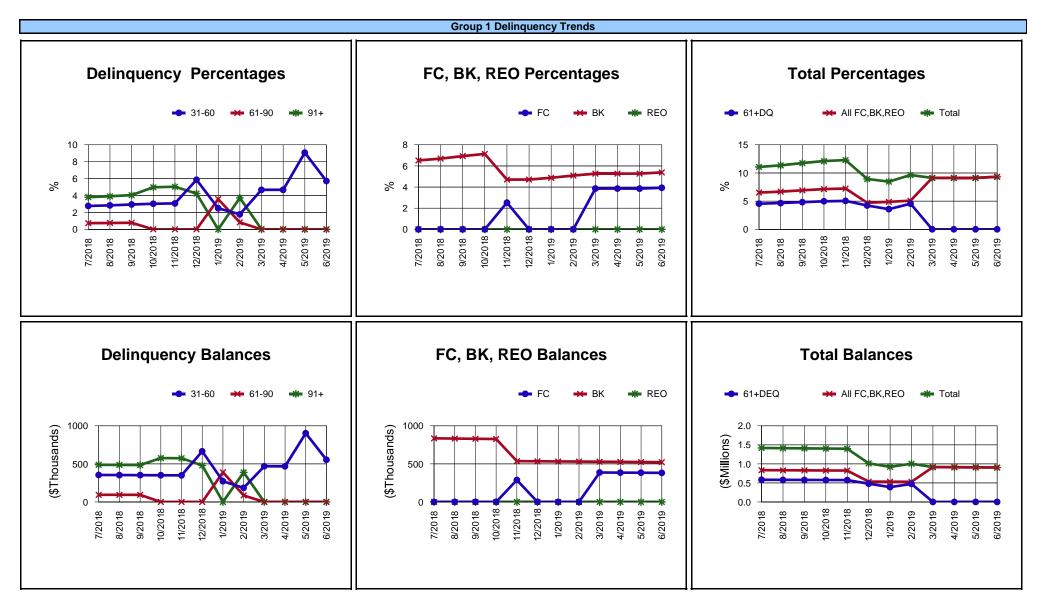
Distribution	Deling 30)-59 Davs	Delina 6	0-89 Davs	Deling	90+ Davs	Forec	losures	R	EO	Bankı	ruptcies	To	tals
Date	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance
6/25/2019	4 6.25%	554,393 5.7120%	0 0.00%	0.0000%	0 0.00%	0.0000%	1 1.56%	381,930 3.9351%	0 0.00%	0.0000%	3 4.69%	522,647 5.3850%	8 12.50%	1,458,969 15.0321%
5/25/2019	4 6.15%	902,582 9.0731%	0.00%	0.0000%	0.00%	0.0000%	1 1.54%	383,605 3.8562%	0.00%	0.0000%	3 4.62%	524,558 5.2731%	8 12.31%	1,810,744 18.2024%
4/25/2019	3 4.62%	467,242 4.6786%	0 0.00%	0.0000%	0 0.00%	0.0000%	1 1.54%	385,275 3.8579%	0 0.00%	0.0000%	3 4.62%	526,462 5.2716%	7 10.77%	1,378,979 13.8080%
3/25/2019	3 4.62%	468,850 4.6767%	0 0.00%	0.0000%	0 0.00%	0.0000%	1 1.54%	386,942 3.8597%	0 0.00%	0.0000%	3 4.62%	528,357 5.2702%	7 10.77%	1,384,149 13.8065%
2/25/2019	3.03%	185,333 1.7788%	1 1.52%	85,668 0.8222%	1 1.52%	388,604 3.7297%	0.00%	0.0000%	0.00%	0.0000%	3 4.55%	530,244 5.0891%	7 10.61%	1,189,850 11.4197%
1/25/2019	3 4.35%	271,962 2.4955%	1 1.45%	390,263 3.5810%	0.00%	0.0000%	0.00%	0.0000%	0.00%	0.0000%	3 4.35%	532,123 4.8826%	7 10.14%	1,194,348 10.9591%
12/25/2018	4 5.63%	664,867 5.8649%	0.00%	0.0000%	1 1.41%	479,594 4.2306%	0.00%	0.0000%	0 0.00%	0.0000%	3 4.23%	534,057 4.7110%	8 11.27%	1,678,517 14.8066%
11/25/2018	3 4.23%	349,374 3.0702%	0.00%	0.0000%	2.82%	574,018 5.0443%	1 1.41%	287,909 2.5301%	0.00%	0.0000%	3 4.23%	535,983 4.7101%	9 12.68%	1,747,284 15.3546%
10/25/2018	3 4.17%	350,624 3.0278%	0.00%	0.0000%	2.78%	576,073 4.9747%	0.00%	0.0000%	0.00%	0.0000%	4 5.56%	826,732 7.1393%	9 12.50%	1,753,429 15.1419%
9/25/2018	3 4.05%	351,870 2.9387%	1 1.35%	93,357 0.7797%	1 1.35%	484,762 4.0485%	0.00%	0.0000%	0.00%	0.0000%	4 5.41%	829,560 6.9281%	9 12.16%	1,759,549 14.6950%
8/25/2018	3 3.95%	353,110 2.8390%	1.32%	93,686 0.7532%	1 1.32%	486,471 3.9113%	0.00%	0.0000%	0.00%	0.0000%	4 5.26%	832,376 6.6924%	9 11.84%	1,765,643 14.1959%
7/25/2018	3 3.85%	354,346 2.7675%	1 1.28%	94,014 0.7343%	1 1.28%	488,174 3.8127%	0.00%	0.0000%	0.00%	0.0000%	4 5.13%	835,180 6.5228%	9 11.54%	1,771,713 13.8372%

Officer: Alexander T.Tonge 212.815.8179 Associate: Nicholas Grieco

212.815.8219

Distribution Date: 6/25/2019





Officer: Alexander T.Tonge

212.815.8179 Associate: Nicholas Grieco 212.815.8219 Distribution Date: 6/25/2019

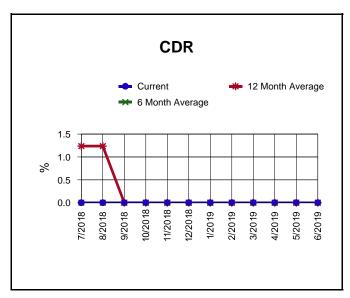


First Horizon Mortgage Pass-Through Trust Mortgage Pass-Through Certificates, Series 2004-AA3 The Bank of New York, as Trustee

Realized Loss Summary

Realized Losses

Current Period Realized Losses Cumulative Realized Losses Total Liquidated Loan Balance Total Liquidated Proceeds Subsequent Recoveries CDR 1 Month CDR 6 Month CDR 12 Month 0.00 6,091,575.15 0.00 0.00 174,790.99 0.00000% 0.00000%



MDR (Monthly Default Rate) = Beginning Balance Liquidated Loan / Total Beginning Balance CDR (Conditional Default Rate) = $1 - ((1-MDR)^{12})$

Officer: Alexander T.Tonge

212.815.8179

Associate: Nicholas Grieco

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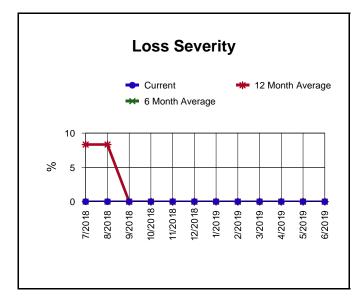
6/25/2019

Distribution Date:

First Horizon Mortgage Pass-Through Trust Mortgage Pass-Through Certificates, Series 2004-AA3 The Bank of New York, as Trustee

Realized Loss Summarry (Continuation)

Loss Severity - Current Month Loss Severity - 6 Month Average Loss Severity - 12 Month Average 0.00000%0.00000% 0.00000%



Loss Severity = Total Losses / Total Liquidated Balance

Officer: Alexander T.Tonge

212.815.8179 Nicholas Grieco

Total Principal Distribution Amount

Associate: Nicholas Grieco 212.815.8219

Distribution Date:



6/25/2019

First Horizon Mortgage Pass-Through Trust Mortgage Pass-Through Certificates, Series 2004-AA3 The Bank of New York, as Trustee

Certificate Account - Deposits									
Beginning Balance	0.00								
Payments of Interest and Principal	456,701.79								
Liquidation Proceeds All Other Proceeds	$0.00 \\ 0.00$								
Other Amounts	0.00								
Total Deposits	456,701.79								
	Certificate Account - Withdrawals								
Reimbursement of Servicer Advances	0.00								
Payment of Master Servicer Fees	3,465.16								
Payment of Sub Servicer Fees	0.00								
Payment of Trustee Fees	50								
Payment of Other Fees	$0.00 \\ 0.00$								
Payment of Insurance Premium(s) Other Permitted Withdrawals per the PSA	0.00								
Payment of Principal and Interest Total Withrawals	<u>453,236.63</u>								
Total Withrawals	456,701.79								
Ending Balance	0.00								
	Principal Distribution Amounts								
Senior Principal Distribution Amount	394,422.32								
Subordinate Principal Distribution Amount	22,531.55								

416,953.87

Officer: Alexander T.Tonge

212.815.8179

Associate: Nicholas Grieco

212.815.8219

Distribution Date: 6/25/2019



First Horizon Mortgage Pass-Through Trust Mortgage Pass-Through Certificates, Series 2004-AA3 The Bank of New York, as Trustee

Senior and Subordinate Percentages

 Senior Percentage
 85.05607%

 Senior Prepayment Percentage
 95.51682%

 Subordinate Percentages
 14.94393%

 Subordinate Prepayment Percentage
 4.48318%

 Next month's Senior Percentage
 83.11%

 Next month's Subordinate Percentage
 16.89%

Trigger Event

 Delinquency Test Value
 625,089.45

 Maximum Delinquency Test Value
 743,299.18

 Pass or Fail
 PASS

 Loss Test Value
 6,091,575.15

 Maximum Loss Test Value
 4,092,356.40

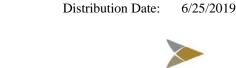
 Pass or Fail
 FAIL

Officer: Alexander T.Tonge

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Associate: Nicholas Grieco

212.815.8219



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First Horizon Mortgage Pass-Through Trust Mortgage Pass-Through Certificates, Series 2004-AA3 The Bank of New York, as Trustee

	Credit Enhancements		
Subordination	Ordan Emilianomento		
Credit Support	<u>Original</u>	<u>Current</u>	
Class A	206,365,100.00	8,066,819.01	
Class A Percentage	93.799637%	83.114441%	
Class B1	6,600,000.00	1,638,857.80	
Class B1 Percentage	2.999914%	16.885559%	
Class B2	2,421,000.00	0.00	
Class B2 Percentage	1.100423%	0.000000%	
Class B3	1,540,000.00	0.00	
Class B3 Percentage	0.699980%	0.000000%	
Class B4	1,320,000.00	0.00	
Class B4 Percentage	0.599983%	0.000000%	
Class B5	1,100,000.00	0.00	
Class B5 Percentage	0.499986%	0.000000%	
Class B6	660,188.00	0.00	
Class B6 Percentage	0.300077%	0.000000%	

Loss Coverage Amounts

Special Hazard Loss Coverage Amount Fraud Loss Coverage Amount Bankrupcty Loss Coverage Amount 1,008,693.60 0.00 150,000.00

Officer: Alexander T.Tonge

212.815.8179

Associate: Nicholas Grieco 212.815.8219

Distribution Date:

6/25/2019



			Loss	s Loan Details							
Total Realized Losses	s			0.00							
<u>Loan ID</u>	Loss <u>Type</u>	Liquidation Balance /Scheduled Balance	Liquidation <u>Proceeds</u>	Realized Loss	Previous <u>Status</u>	Current <u>Note Rate</u>	Original <u>Balance</u>	<u>State</u>			
<u>Group I</u>											
	N/A										

Officer: Alexander T.Tonge

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Distribution Date: 6/25/2019



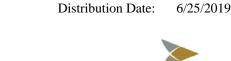
	Foreclosure Loan Details												
<u>Loan ID</u>	<u>Status</u>	Original <u>Balance</u>	Current <u>Balance</u>	Current <u>Note Rate</u>	<u>State</u>	Months <u>Delinquent</u>	Delinquent <u>Interest</u>						
Group I													
49322332	Existing	373,000.00	381,929.85	3.000	WA	7	959.01						
Exist Total		373,000.00	381,929.85				959.01						

Officer: Alexander T.Tonge

212.815.8179

Associate: Nicholas Grieco

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Bankruptcy Loan Details											
<u>Loan ID</u>	<u>Status</u>	Original <u>Balance</u>	Current <u>Balance</u>	Current <u>Note Rate</u>	State	Months <u>Delinquent</u>	Delinquent <u>Interest</u>				
Group I											
47563945 48171383 49292360	Existing Existing Existing	154,350.00 192,000.00 300,000.00	125,018.65 154,468.33 243,159.60	5.125 5.125 5.125	NV TX CA	0 0 4	535.89 662.12 1,042.29				
Exist Total		646,350.00	522,646.58				2,240.30				

Officer: Alexander T.Tonge

212.815.8179

Associate: Nicholas Grieco

212.815.8219

Distribution Date: 6/25/2019



REO Loan Details											
<u>Loan ID</u>	<u>Status</u>	Original <u>Balance</u>	Current <u>Balance</u>	Current <u>Note Rate</u>	<u>State</u>	Months <u>Delinquent</u>	Delinquent <u>Interest</u>				
Group I											
	N/A										