

**TABLE 1. TOTAL BOOK OF BUSINESS COMPONENTS (\$ in Millions) <sup>1</sup>**

	Mortgage Portfolio End Balance [Table 2]	+	Total Fannie Mae MBS and Other Guarantees [Table 4]	-	Fannie Mae MBS in Portfolio [Table 3]	=	Total Book of Business	Compounded Growth (Decline) Rate	New Business Acquisitions
October 2017	\$ 235,779		\$ 3,011,884		\$ 47,824		\$ 3,199,839	1.6 %	\$ 47,242
November 2017	236,298		3,019,831		50,778		3,205,351	2.1 %	48,006
December 2017	230,783		3,034,493		48,792		3,216,484	4.2 %	53,018
<b>Full Year 2017</b>	<b>\$ 230,783</b>		<b>\$ 3,034,493</b>		<b>\$ 48,792</b>		<b>\$ 3,216,484</b>	<b>2.3 %</b>	<b>\$ 569,616</b>
January 2018	\$ 234,896		\$ 3,048,149		\$ 59,470		\$ 3,223,575	2.7 %	\$ 45,513
February 2018	223,596		3,058,018		49,741		3,231,873	3.1 %	40,551
March 2018	228,287		3,061,024		52,341		3,236,970	1.9 %	37,825
April 2018	222,033		3,064,683		51,181		3,235,535	(0.5)%	37,080
May 2018	222,413		3,071,300		53,164		3,240,549	1.9 %	42,138
June 2018	225,805		3,077,086		55,153		3,247,738	2.7 %	46,090
July 2018	221,335		3,084,197		51,061		3,254,471	2.5 %	47,198
August 2018	221,150		3,102,137		56,370		3,266,917	4.7 %	50,165
September 2018	199,114		3,111,251		47,297		3,263,068	(1.4)%	42,932
October 2018	195,740		3,123,683		45,758		3,273,665	4.0 %	43,772
<b>YTD 2018</b>	<b>\$ 195,740</b>		<b>\$ 3,123,683</b>		<b>\$ 45,758</b>		<b>\$ 3,273,665</b>	<b>2.1 %</b>	<b>\$ 433,264</b>

**TABLE 2. MORTGAGE PORTFOLIO ACTIVITY (\$ in Millions) <sup>1</sup>**

	Purchases	Sales	Liquidations	Mortgage Portfolio End Balance
October 2017	\$ 23,756	\$ (30,133)	\$ (2,977)	\$ 235,779
November 2017	25,602	(21,994)	(3,089)	236,298
December 2017	21,969	(24,729)	(2,755)	230,783
<b>Full Year 2017</b>	<b>\$ 293,408</b>	<b>\$ (293,577)</b>	<b>\$ (41,402)</b>	<b>\$ 230,783</b>
January 2018	\$ 27,068	\$ (19,768)	\$ (3,187)	\$ 234,896
February 2018	20,418	(29,507)	(2,211)	223,596
March 2018	23,067	(16,140)	(2,236)	228,287
April 2018	21,989	(25,828)	(2,415)	222,033
May 2018	24,180	(21,330)	(2,470)	222,413
June 2018	27,007	(21,075)	(2,540)	225,805
July 2018	25,918	(28,031)	(2,357)	221,335
August 2018	27,333	(24,745)	(2,773)	221,150
September 2018	20,429	(40,301)	(2,164)	199,114
October 2018	22,445	(23,313)	(2,506)	195,740
<b>YTD 2018</b>	<b>\$ 239,854</b>	<b>\$ (250,038)</b>	<b>\$ (24,859)</b>	<b>\$ 195,740</b>

**TABLE 4. FANNIE MAE GUARANTY BOOK OF BUSINESS (\$ in Millions) <sup>1</sup>**

	Total Fannie Mae MBS			Fannie Mae MBS Annualized Liquidation Rate
	Issuances	Liquidations	End Balance	
October 2017	\$ 46,263	\$ (38,099)	\$ 2,997,538	(15.3)%
November 2017	48,507	(40,440)	3,005,605	(16.2)%
December 2017	52,153	(37,530)	3,020,228	(15.0)%
<b>Full Year 2017</b>	<b>\$ 580,363</b>	<b>\$ (458,736)</b>	<b>\$ 3,020,228</b>	<b>(15.8)%</b>
January 2018	\$ 50,510	\$ (36,763)	\$ 3,033,975	(14.6)%
February 2018	43,354	(33,387)	3,043,942	(13.2)%
March 2018	37,883	(34,761)	3,047,064	(13.7)%
April 2018	39,872	(36,158)	3,050,778	(14.2)%
May 2018	42,412	(35,696)	3,057,494	(14.0)%
June 2018	43,647	(37,879)	3,063,262	(14.9)%
July 2018	45,632	(38,438)	3,070,456	(15.1)%
August 2018	55,379	(37,258)	3,088,577	(14.6)%
September 2018	46,438	(37,788)	3,097,227	(14.7)%
October 2018	44,524	(31,939)	3,109,812	(12.4)%
<b>YTD 2018</b>	<b>\$ 449,651</b>	<b>\$ (360,067)</b>	<b>\$ 3,109,812</b>	<b>(14.3)%</b>

**TABLE 3. MORTGAGE PORTFOLIO COMPOSITION (\$ in Millions) <sup>1</sup>**

Fannie Mae MBS in Portfolio	Mortgage Loans	Non-Fannie Mae Mortgage Securities		Mortgage Portfolio End Balance
		Agency	Non-Agency	
\$ 47,824	\$ 182,640	\$ 1,610	\$ 3,705	\$ 235,779
50,778	180,873	1,133	3,514	236,298
48,792	177,365	1,417	3,209	230,783
<b>\$ 48,792</b>	<b>\$ 177,365</b>	<b>\$ 1,417</b>	<b>\$ 3,209</b>	<b>\$ 230,783</b>
\$ 59,470	\$ 171,203	\$ 1,803	\$ 2,420	\$ 234,896
49,741	168,178	3,282	2,395	223,596
52,341	168,113	2,607	5,226	228,287
51,181	162,758	3,705	4,389	222,033
53,164	161,482	4,064	3,703	222,413
55,153	163,304	3,687	3,661	225,805
51,061	163,025	3,640	3,609	221,335
56,370	156,445	4,778	3,557	221,150
47,297	144,491	3,817	3,509	199,114
45,758	140,834	5,675	3,473	195,740
<b>\$ 45,758</b>	<b>\$ 140,834</b>	<b>\$ 5,675</b>	<b>\$ 3,473</b>	<b>\$ 195,740</b>

Other Fannie Mae Guarantees	Total Fannie Mae MBS and Other Guarantees	Compounded Growth (Decline) Rate	Fannie Mae Guaranty Book of Business	
			Mortgage Loans	
\$ 14,346	\$ 3,011,884	3.3 %	\$ 182,640	\$ 3,194,524
14,226	3,019,831	3.2 %	180,873	3,200,704
14,265	3,034,493	6.0 %	177,365	3,211,858
<b>\$ 14,265</b>	<b>\$ 3,034,493</b>	<b>4.1 %</b>	<b>\$ 177,365</b>	<b>\$ 3,211,858</b>
\$ 14,174	\$ 3,048,149	5.5 %	\$ 171,203	\$ 3,219,352
14,076	3,058,018	4.0 %	168,178	3,226,196
13,960	3,061,024	1.2 %	168,113	3,229,137
13,905	3,064,683	1.4 %	162,758	3,227,441
13,806	3,071,300	2.6 %	161,482	3,232,782
13,824	3,077,086	2.3 %	163,304	3,240,390
13,741	3,084,197	2.8 %	163,025	3,247,222
13,560	3,102,137	7.2 %	156,445	3,258,582
14,024	3,111,251	3.6 %	144,491	3,255,742
13,871	3,123,683	4.9 %	140,834	3,264,517
<b>\$ 13,871</b>	<b>\$ 3,123,683</b>	<b>3.5 %</b>	<b>\$ 140,834</b>	<b>\$ 3,264,517</b>

**MONTHLY SUMMARY HIGHLIGHTS**

## October 2018

- Fannie Mae's *Book of Business* increased at a compound annualized rate of 4.0% percent in October.
- The *Conventional Single-Family Serious Delinquency Rate* decreased 3 basis points to 0.79% in October. The *Multifamily Serious Delinquency Rate* decreased 1 basis point to 0.06%.
- Fannie Mae completed 6,670 loan modifications in October.

**IMPORTANT NOTE:**

Fannie Mae has been under conservatorship, with the Federal Housing Finance Agency (FHFA) acting as conservator, since September 6, 2008.

**TABLE 5. OTHER INVESTMENTS (\$ in Millions) <sup>1</sup>**

	Other Investments End Balance
October 2017	\$ 78,482
November 2017	78,320
December 2017	80,649
<b>Full Year 2017</b>	<b>\$ 80,649</b>
January 2018	\$ 74,823
February 2018	83,410
March 2018	83,058
April 2018	80,419
May 2018	74,172
June 2018	72,735
July 2018	76,085
August 2018	72,880
September 2018	91,701
October 2018	92,399
<b>YTD 2018</b>	<b>\$ 92,399</b>

**TABLE 6. DEBT ACTIVITY (\$ in Millions) <sup>2</sup>**

	Original Maturity		Original Maturity > 1 Year					Total Debt Outstanding
	< 1 Year End Balance	End Balance	Maturities and		Foreign Exchange		End Balance	
			Issuances	Redemptions	Repurchases	Adjustments		
October 2017	\$ 29,593	\$ 29,593	\$ 3,527	\$ (9,993)	\$ (283)	\$ (4)	\$ 252,105	\$ 281,698
November 2017	28,264	28,264	1,561	(1,561)	(967)	8	251,146	279,410
December 2017	33,412	33,412	201	(7,277)	(13)	—	244,057	277,469
<b>Full Year 2017</b>	<b>\$ 33,412</b>	<b>\$ 33,412</b>	<b>\$ 30,747</b>	<b>\$ (79,118)</b>	<b>\$ (1,413)</b>	<b>\$ 42</b>	<b>\$ 244,057</b>	<b>\$ 277,469</b>
January 2018	\$ 32,071	\$ 32,071	\$ 2,545	\$ (4,963)	\$ (85)	\$ 24	\$ 241,578	\$ 273,649
February 2018	32,112	32,112	1,498	(6,735)	—	(15)	236,326	268,438
March 2018	34,571	34,571	1,127	(5,855)	(143)	9	231,464	266,035
April 2018	27,278	27,278	2,530	(2,347)	(202)	(9)	231,436	258,714
May 2018	25,456	25,456	1,090	(8,577)	(388)	(16)	223,545	249,001
June 2018	25,767	25,767	2,775	(860)	(33)	(3)	225,424	251,191
July 2018	27,710	27,710	2,779	(6,360)	(144)	(3)	221,696	249,406
August 2018	23,278	23,278	1,058	(561)	(78)	(6)	222,109	245,387
September 2018	28,282	28,282	2,208	(5,275)	(250)	2	218,794	247,076
October 2018	25,878	25,878	2,418	(5,478)	—	(9)	215,725	241,603
<b>YTD 2018</b>	<b>\$ 25,878</b>	<b>\$ 25,878</b>	<b>\$ 20,028</b>	<b>\$ (47,011)</b>	<b>\$ (1,323)</b>	<b>\$ (26)</b>	<b>\$ 215,725</b>	<b>\$ 241,603</b>

**TABLE 7. SERIOUS DELINQUENCY RATES**

	Conventional Single-Family <sup>3</sup>								Multifamily <sup>6</sup>	
	Vintage by Origination Year				Overall	Non-Credit Enhanced	Credit Enhanced			Overall
	2004 and Prior	2005 - 2008	2009 - 2018	Credit Risk Transfer <sup>5</sup>			Primary MI and Other <sup>4</sup>			
October 2017	2.82%	5.91%	0.33%	1.01%	1.06%	1.62%	0.18%	1.01%	0.05%	
November 2017	3.05%	6.26%	0.42%	1.12%	1.17%	1.76%	0.27%	1.12%	0.11%	
December 2017	3.28%	6.55%	0.53%	1.24%	1.27%	1.95%	0.42%	1.24%	0.11%	
January 2018	3.31%	6.54%	0.54%	1.23%	1.26%	1.92%	0.43%	1.23%	0.11%	
February 2018	3.35%	6.49%	0.53%	1.22%	1.30%	1.77%	0.41%	1.22%	0.11%	
March 2018	3.24%	6.22%	0.51%	1.16%	1.24%	1.67%	0.39%	1.16%	0.13%	
April 2018	3.13%	5.88%	0.48%	1.09%	1.17%	1.55%	0.37%	1.09%	0.13%	
May 2018	3.07%	5.72%	0.44%	1.03%	1.13%	1.47%	0.32%	1.03%	0.13%	
June 2018	3.00%	5.54%	0.41%	0.97%	1.06%	1.40%	0.29%	0.97%	0.10%	
July 2018	2.80%	5.01%	0.37%	0.88%	0.97%	1.28%	0.26%	0.88%	0.09%	
August 2018	2.71%	4.74%	0.34%	0.82%	0.90%	1.19%	0.24%	0.82%	0.08%	
September 2018	2.77%	4.90%	0.34%	0.82%	0.90%	1.19%	0.23%	0.82%	0.07%	
October 2018	2.73%	4.82%	0.33%	0.79%	0.88%	1.17%	0.22%	0.79%	0.06%	
Oct. 2018 % of Book Outstanding	3%	5%	92%		54%	21%	39%			

**TABLE 8. INTEREST RATE RISK DISCLOSURES**

	Market Value Sensitivity (\$ in Millions)		Effective Duration Gap (in years)
	Rate Level	Rate Slope	
	Shock (50 bp)	Shock (25 bp)	
October 2017	\$ (36)	\$ (12)	0.01
November 2017	(52)	(12)	0.02
December 2017	(56)	(8)	0.02
<b>Full Year 2017</b>	<b>\$ (36)</b>	<b>\$ (27)</b>	
January 2018	\$ (58)	\$ (17)	0.02
February 2018	(56)	(3)	0.02
March 2018	(49)	(3)	0.01
April 2018	(57)	(4)	0.02
May 2018	(47)	(3)	0.01
June 2018	(63)	(2)	0.03
July 2018	(54)	(9)	0.01
August 2018	(41)	(18)	0.01
September 2018	(61)	(11)	0.02
October 2018	(66)	(8)	—
<b>YTD 2018</b>	<b>\$ (55)</b>	<b>\$ (8)</b>	

Numbers may not sum due to rounding

See Endnotes and Glossary on Pages 3 and 4

## ENDNOTES

1. The end balances and business activity in this report represent unpaid principal balances ("UPB"), which do not reflect market valuation adjustments, allowance for loan losses, impairments, unamortized premiums and discounts, and the impact of consolidation of variable interest entities.
2. Reported amounts represent the UPB at each reporting period or, in the case of the long-term zero coupon bonds, at maturity, and include credit risk-sharing securities issued under the Connecticut Avenue Securities<sup>®</sup> series. UPB does not reflect the effect of debt basis adjustments, including discounts, premiums, and issuance costs.
3. Delinquency rates represent seriously delinquent conventional single-family loans as a percent of the total number of conventional single-family loans. These rates are based on conventional single-family mortgage loans and exclude reverse mortgages and non-Fannie Mae mortgage securities held in Fannie Mae's portfolio. The credit-enhanced categories are not mutually exclusive. A loan with primary mortgage insurance that is also covered by a credit risk transfer transaction will be included in both the "Primary MI and Other" category and the "Credit Risk Transfer" category. The percent of book outstanding is calculated based on the aggregate UPB of conventional single-family loans for each category, divided by the aggregate UPB of loans in Fannie Mae's single-family conventional book of business.
4. Refers to loans included in an agreement used to reduce credit risk by requiring primary mortgage insurance, collateral, letters of credit, corporate guarantees, or other agreements to provide an entity with some assurance that it will be compensated to some degree in the event of a financial loss. Excludes loans covered by credit risk transfer transactions unless such loans are also covered by primary mortgage insurance.
5. Refers to loans included in reference pools for credit risk transfer transactions, including loans in these transactions that are also covered by primary mortgage insurance. For Connecticut Avenue Securities and some lender risk-sharing transactions, this represents outstanding UPB of the underlying loans on the single-family mortgage credit book, not the outstanding reference pool, as of the specified date. Loans included in our credit risk transfer transactions have all been acquired since 2012 and newer vintages typically have significantly lower delinquency rates than more seasoned loans.
6. Calculated based on the UPB of seriously delinquent multifamily loans owned by Fannie Mae or underlying Fannie Mae guaranteed securities, divided by the UPB of multifamily loans owned by Fannie Mae or underlying Fannie Mae guaranteed securities.

## GLOSSARY & OTHER INFORMATION

### General

**Risk Disclosures.** In addition to the interest rate risk disclosures provided in Table 8, Fannie Mae's most recent available information relating to subordinated debt, liquidity management and credit risk is included in its most recent Form 10-K or Form 10-Q filed with the Securities and Exchange Commission.

**Compounded Growth (Decline) Rate.** Monthly growth/decline rates are compounded to provide an annualized rate of growth/decline.

### Table 1

**Total Book of Business.** Sum of the Mortgage Portfolio End Balance and the Total Fannie Mae MBS and Other Guarantees balance, less Fannie Mae MBS held in the mortgage portfolio.

**New Business Acquisitions.** Single-family and multifamily mortgage loans purchased during the period and single-family and multifamily mortgage loans underlying Fannie Mae MBS issued pursuant to lender swaps. These amounts reflect new business purchases on which our statutory affordable housing allocations are based.

### Table 2

**Mortgage Portfolio Activity.** Ending balance represents the unpaid principal balance ("UPB") of Fannie Mae's mortgage portfolio. Excludes certain matched trades and certain early funding activities.

**Purchases.** Acquisition of mortgage loans and mortgage securities for the mortgage portfolio.

**Sales.** Sales of mortgage securities and mortgage loans from the mortgage portfolio.

**Liquidations.** Represents the total amount of repayments, curtailments, payoffs, and foreclosures on mortgage loans and mortgages underlying securities held in the mortgage portfolio.

### Table 3

**Mortgage Portfolio Composition.** Shows the primary components of Fannie Mae's mortgage portfolio.

**Non-Fannie Mae Agency Securities.** Represents mortgage-related securities issued by Freddie Mac and Ginnie Mae.

**Non-Fannie Mae Non-Agency Securities.** These primarily include private-label securities, mortgage revenue bonds, and commercial mortgage-backed securities.

### Table 4

**Fannie Mae Guaranty Book of Business.** Consists of securities and mortgage loans for which Fannie Mae manages credit risk. This table excludes non-Fannie Mae securities held in the mortgage portfolio, which are shown in Table 3.

**Total Fannie Mae MBS.** Includes Fannie Mae MBS, private label wraps, whole loan REMICs, and Ginnie Mae wraps. Also includes Multifamily discount MBS ("DMBS") that Fannie Mae guarantees, regardless of whether those MBS are held in the mortgage portfolio or held by investors other than Fannie Mae. If an MBS has been resecuritized into another MBS, the principal amount is only included once in this total.

**Issuances.** Represents the total amount of Fannie Mae MBS created during the month, including lender-originated issues and Fannie Mae MBS created from mortgage loans previously held in Fannie Mae's portfolio. Fannie Mae MBS may be held in portfolio after their creation.

**Liquidations.** Represents the total amount of repayments, curtailments, payoffs, and foreclosures on mortgages underlying Fannie Mae MBS, including Fannie Mae MBS held in the mortgage portfolio.

**Other Fannie Mae Guarantees.** Outstanding balance of Fannie Mae guarantees, other than Fannie Mae MBS. This primarily includes long-term standby commitments we have issued and credit enhancements we have provided.

**Annualized Liquidation Rate.** The liquidation rate is calculated as liquidations divided by the prior period ending balance of total Fannie Mae MBS, annualized.

### Table 5

**Other Investments.** Primarily consists of cash and readily marketable instruments such as certificates of deposit, federal funds sold, securities purchased under agreements to resell and Treasury bills.

### Table 6

**Debt Activity.** Debt is classified in the table based on its original maturity. For debt with an original term of more than one year, the portion of that long-term debt that is due within one year is not reclassified to "Original Maturity < 1 Year." For more information about Fannie Mae's debt activity, please visit <http://www.fanniemae.com/portal/funding-the-market/debt/reports/index.html>.

### Table 7

**Serious Delinquency Rates.** A measure of credit performance and indicator of future defaults for the single-family and multifamily guaranty books. We include single-family loans that are three months or more past due or in the foreclosure process, and multifamily loans that are 60 days or more past due. We include conventional single-family loans that we own and that back Fannie Mae MBS in our single-family delinquency rate.

### Table 8

Our interest rate risk measures provide useful estimates of key interest-rate risk and include the impact of our purchases and sales of derivative instruments, which we use to limit our exposure to changes in interest rates. While we believe that our market value sensitivity and duration gap metrics are useful risk management tools, they should be understood as estimates rather than precise measurements. Methodologies employed to calculate interest-rate risk sensitivity disclosures are periodically changed on a prospective basis to reflect improvements in the underlying estimation processes.

**Market Value Sensitivity to Rate Level Shock (50bp).** This measurement shows the most adverse pre-tax impact on the market value of Fannie Mae's assets and liabilities from an immediate adverse 50 basis point shift in the level of LIBOR rates. The amounts shown are estimates, not precise measurements. The measurement excludes any sensitivity of the guaranty business. Fannie Mae tracks the daily average of this measurement for the reported month.

**Market Value Sensitivity to Rate Slope Shock (25bp).** This measurement shows the most adverse pre-tax impact on the market value of Fannie Mae's assets and liabilities from an immediate adverse 25 basis point change in the slope of the LIBOR yield curve. To calculate the adverse change in the slope of the LIBOR yield curve, the company calculates the effect of a 25 basis point change in slope that results in a flatter LIBOR yield curve, and reports the more adverse of the two results. The amounts shown are estimates, not precise measurements. The measurement excludes any sensitivity of the guaranty business. Fannie Mae tracks the daily average of this measurement for the reported month.

**Effective Duration Gap.** The effective duration gap estimates the net sensitivity of the fair value of Fannie Mae's assets and liabilities to movements in interest rates. This statistic is expressed as a number of years, based on the daily average for the reported month. A duration gap of zero implies that the change in the fair value of assets from an interest rate move will be offset by an equal move in the fair value of liabilities, including debt and derivatives, resulting in no change in the fair value of the net assets. The calculation excludes any sensitivity of the guaranty business.