EXHIBIT E

Amounts Invested by Private Preferred Shareholders Into Fannie Mae

Security Type	CUSIP	Ticker Symbol	Date of Issuance	Amount Invested	
5.25% Non-Cumulative Preferred Stock, Series D	313 586 505	FDDXD	9/30/98	\$150 Million	
5.10% Non-Cumulative Preferred Stock, Series E	313 586 604	FNMFM	4/15/99	\$150 Million	
Variable Rate Non-Cumulative Preferred Stock, Series F	313 586 703	FNMAP	3/20/00	\$690 Million	
Variable Rate Non-Cumulative Preferred Stock, Series G	313 586 802	FNMAO	8/8/00	\$288 Million	
5.81% Non-Cumulative Preferred Stock, Series H	313 586 885	FNMAM	4/6/01	\$400 Million	
5.375% Non-Cumulative Preferred Stock, Series I	313 586 877	FNMAG	10/28/02	\$300 Million	
5.125% Non-Cumulative Preferred Stock, Series L	313 586 844	FNMAN	4/29/03	\$345 Million	
4.75% Non-Cumulative Preferred Stock, Series M	313 586 836	FNMAL	6/10/03	\$460 Million	
5.50% Non-Cumulative Preferred Stock, Series N	313 586 828	FNMAK	9/25/03	\$225 Million	
Variable Rate Non-Cumulative Preferred Stock, Series O	313 586 794	FNMFN	12/30/04	\$2.5 Billion	
5.375% Non-Cumulative Convertible Series 2004-1 Pref. Stock	313 586 810	FNMFO	12/30/04	\$2.492 Billion	
Variable Rate Non-Cumulative Preferred Stock, Series P	313 586 786	FNMAH	9/28/07	\$1.0 Billion	
6.75% Non-Cumulative Preferred Stock, Series Q	313 586 778	FNMAI	10/4/07	\$375 Million	
7.625% Non-Cumulative Preferred Stock, Series R	313 586 760	FNMAJ	11/21/07	\$530 Million	
Fixed-to-Floating Rate Non-Cumulative Preferred Stock, Series S	313 586 752	FNMAS	12/11/07	\$7.0 Billion	
8.25% Non-Cumulative Preferred Stock, Series T	313 586 737	FNMAT	5/19/08	\$2.225 Billion	E x
			TOTAL	\$19.130 Billio	

Amounts Invested by Private Preferred Shareholders Into Fannie Mae

Security Type	CUSIP	Ticker Symbol	Date of Issuance	Amount Invested	
5.25% Non-Cumulative Preferred Stock, Series D	313 586 505	FDDXD	9/30/98 \$150 Million		
5.10% Non-Cumulative Preferred Stock, Series E	313 586 604	FNMFM	4/15/99	\$150 Million	
Variable Rate Non-Cumulative Preferred Stock, Series F	313 586 703	FNMAP	3/20/00	\$690 Million	
Variable Rate Non-Cumulative Preferred Stock, Series G	313 586 802	FNMAO	8/8/00	\$288 Million	
5.81% Non-Cumulative Preferred Stock, Series H	313 586 885	FNMAM	4/6/01	\$400 Million	
5.375% Non-Cumulative Preferred Stock, Series I	313 586 877	FNMAG	10/28/02	\$300 Million	
5.125% Non-Cumulative Preferred Stock, Series L	313 586 844	FNMAN	4/29/03	\$345 Million	
4.75% Non-Cumulative Preferred Stock, Series M	313 586 836	FNMAL	6/10/03	\$460 Million	
5.50% Non-Cumulative Preferred Stock, Series N	313 586 828	FNMAK	9/25/03 \$225 Millio		
Variable Rate Non-Cumulative Preferred Stock, Series O	313 586 794	FNMFN	644.4	2 Dillian	
5.375% Non-Cumulative Convertible Series 2004-1 Pref. Stock	313 586 810	FNMFO	\$11.1	3 Billion	
Variable Rate Non-Cumulative Preferred Stock, Series P	313 586 786	FNMAH	9/28/07	\$1.0 Billion	
6.75% Non-Cumulative Preferred Stock, Series Q	313 586 778	FNMAI	10/4/07	\$375 Million	
7.625% Non-Cumulative Preferred Stock, Series R	313 586 760	FNMAJ	11/21/07 \$530 Million		
Fixed-to-Floating Rate Non-Cumulative Preferred Stock, Series S	313 586 752	FNMAS	12/11/07 \$7.0 Billion		
8.25% Non-Cumulative Preferred Stock, Series T	313 586 737	FNMAT	5/19/08	\$2.225 Billion	

TOTAL \$19.130 Billion

Amounts Invested by Private Preferred Shareholders Into Freddie Mac

Security Type	CUSIP	Ticker Symbol	Date of Issuance	Amount Invested
5.1% Preferred Stock, due 12/31/2049	313 400 814	FREJO	3/19/99	\$150 Million
5.3% Non-Cumulative Perpetual Preferred Stock	313 400 822	FREJP	10/28/98	\$200 Million
5.81% Perpetual Preferred Stock	313 400 889	FREGP	10/27/97	\$150 Million
Variable-Rate Preferred Stock, Series B	313 400 608	FMCCI	4/23/96	\$250 Million
5% Preferred Stock, Series F	313 400 863	FMCKK	3/23/98	\$400 Million
Variable-Rate Preferred Stock, Series G	313 400 848	FMCCG	9/23/98	\$220 Million
5.1% Preferred Stock, Series H	313 400 855	FMCCH	9/23/98	\$400 Million
5.79% Preferred Stock, Series K	313 400 830	FMCCK	7/21/99	\$250 Million
Variable-Rate Preferred Stock, Series L	313 400 798	FMCCL	11/5/99	\$287 Million
Variable-Rate Preferred Stock, Series M	313 400 780	FMCCM	1/26/01	\$325 Million
Variable-Rate Preferred Stock, Series N	313 400 764	FMCCN	3/23/01	\$230 Million
5.81% Preferred Stock, Series O	313 400 772	FMCCO	3/23/01	\$173 Million
6% Preferred Stock, Series P	313 400 749	FMCCP	5/30/01	\$173 Million
Variable-Rate, Series Q	313 400 756	FMCCJ	5/30/01	\$201 Million
5.7% Preferred Stock, Series R	313 400 731	FMCKP	10/30/01	\$300 Million
Variable-Rate, Series S	313 400 715	FMCCS	7/17/06	\$750 Million
6.42% Preferred Stock, Series T	313 400 699	FMCCT	7/17/06	\$250 Million
5.9% Preferred Stock, Series U	313 400 681	FMCKO	10/16/06	\$500 Million
5.57% Preferred Stock, Series V	313 400 673	FMCKM	1/16/07	\$1.1 Billion
5.66% Preferred Stock, Series W	313 400 665	FMCKN	4/16/07	\$500 Million
6.02% Preferred Stock, Series X	313 400 657	FMCKL	7/24/07	\$500 Million
6.55% Preferred Stock, Series Y	313 400 640	FMCKI	9/28/07	\$500 Million
Fixed-to-Floating Rate Non-Cumulative Perpetual Preferred Stock, Series Z	313 400 624	FMCKJ	12/4/07	\$6.0 Billion

TOTAL \$13.809 Billion

Amounts Invested by Private Preferred Shareholders Into Freddie Mac

Security Type	CUSIP	Ticker Symbol	Date of Issuance	Amount Invested
5.1% Preferred Stock, due 12/31/2049	313 400 814	FREJO	3/19/99	\$150 Million
5.3% Non-Cumulative Perpetual Preferred Stock	313 400 822	FREJP	10/28/98	\$200 Million
5.81% Perpetual Preferred Stock	313 400 889	FREGP	10/27/97	\$150 Million
Variable-Rate Preferred Stock, Series B	313 400 608	FMCCI	4/23/96	\$250 Million
5% Preferred Stock, Series F	313 400 863	FMCKK	3/23/98	\$400 Million
Variable-Rate Preferred Stock, Series G	313 400 848	FMCCG	9/23/98	\$220 Million
5.1% Preferred Stock, Series H	313 400 855	FMCCH	9/23/98	\$400 Million
5.79% Preferred Stock, Series K	313 400 830	FMCCK	7/21/99	\$250 Million
Variable-Rate Preferred Stock, Series L	313 400 798	FMCCL	11/5/99	\$287 Million
Variable-Rate Preferred Stock, Series M	313 400 780	FMCCM	1/26/01	\$325 Million
Variable-Rate Preferred Stock, Series N	313 400 764	FMCCN	3/23/01	\$230 Million
5.81% Preferred Stock, Series O	313 400 772	FMCCO	3/23/01	\$173 Million
6% Preferred Stock, Series P	313 400 749	FMCCP	5/30/01	\$173 Million
Variable-Rate, Series Q	313 400 756	FMCCJ	5/30/01	\$201 Million
5.7% Preferred Stock, Series R	313 400 731	FMCKP	10/30/01	\$300 Million
Variable-Rate, Series S	313 400 715	FMCCS	7/47/00	Φ7ΕΛ Million
6.42% Preferred Stock, Series T	313 400 699	FMCCT	\$8.6 E	Billion
5.9% Preferred Stock, Series U	313 400 681	FMCKO	40.01	71111011
5.57% Preferred Stock, Series V	313 400 673	FMCKM	1/16/07	\$1.1 Billion
5.66% Preferred Stock, Series W	313 400 665	FMCKN	4/16/07	\$500 Million
6.02% Preferred Stock, Series X	313 400 657	FMCKL	7/24/07	\$500 Million
6.55% Preferred Stock, Series Y	313 400 640	FMCKI	9/28/07	\$500 Million
Fixed-to-Floating Rate Non-Cumulative Perpetual Preferred Stock, Series Z	313 400 624	FMCKJ	12/4/07	\$6.0 Billion
			TOTAL	\$13.809 Billion

Compiled from data provided in FMCC 10Qs, 10Ks and stock offering circulars

Total Amounts Invested by Private Preferred Shareholders Into Fannie Mae and Freddie Mac

Total Investment:	\$32.9 Billion
Total Invested in 2007–08:	\$19.7 Billion

Dividends Paid to Private Shareholders: 1977-2008



Year	Qtr	Dividends Paid?	Year	Qtr	Dividends Paid?	Year	Qtr	Dividends Paid?	Year	Qtr	Dividends Paid?	Year	Qtr	Dividends Paid?
	Q1	YES		Q1	YES		Q1	YES		Q1	YES		Q1	YES
	Q2	YES		Q2	YES		Q2	YES	1995	Q2	YES	2002	Q2	YES
1977	Q3	YES	1983	Q3	YES	1989	Q3	YES	1990	Q3	YES	2002	Q3	YES
	Q4	YES		Q4	YES		Q4	YES		Q4	YES		Q4	YES
	Q1	YES		Q1	YES		Q1	YES		Q1	YES		Q1	YES
	Q2							YES	1996	Q2	YES	2003	Q2	YES
1978		YES	1984	Q2	YES	1990	Q2			Q3	YES		Q3	YES
	Q3	YES		Q3	YES		Q3	YES		Q4 Q1	YES YES		Q4 Q1	YES YES
	Q4	YES		Q4	YES		Q4	YES		Q2	YES		Q2	YES
	Q1	YES		Q1	YES		Q1	YES	1997	Q3	YES	2004	Q3	YES
1979	Q2	YES	1985	Q2	YES	1991	Q2	YES		Q4	YES		Q4	YES
1919	Q3	YES	1905	Q3	YES	1991	Q3	YES		Q1	YES		Q1	YES
	Q4	YES		Q4	YES		Q4	YES	4000	Q2	YES		Q2	YES
	Q1	YES		Q1	YES		Q1	YES	1998	Q3	YES	2005	Q3	YES
	Q2	YES		Q2	YES		Q2	YES		Q4	YES		Q4	YES
1980	Q3	YES	1986	Q3	YES	1992	Q3	YES		Q1	YES		Q1	YES
	Q4	YES		Q4	YES		Q4	YES	1999	Q2	YES	2006	Q2	YES
									1000	Q3	YES	2000	Q3	YES
	Q1	YES		Q1	YES		Q1	YES		Q4	YES		Q4	YES
1981	Q2	YES	1987	Q2	YES	1993	Q2	YES		Q1	YES		Q1	YES
	Q3	YES		Q3	YES		Q3	YES	2000	Q2	YES	2007	Q2	YES
	Q4	YES		Q4	YES		Q4	YES		Q3	YES		Q3	YES
	Q1	YES		Q1	YES		Q1	YES		Q4 Q1	YES YES		Q4	YES
4005	Q2	YES	4000	Q2	YES	400 (Q2	YES		Q1 Q2	YES		Q1	YES
1982	Q3	YES	1988	Q3	YES	1994	Q3	YES	2001	Q3	YES	2008	Q2	YES
	Q4	YES		Q4	YES		Q4	YES		Q4	YES		Q3	YES
Source: Bloom							•			Ψ.			Н	artman-Trial-1 ₄

Dividends Paid to Private Shareholders: 1989-2008



Year	Qtr	Dividends Paid?	Year Qtr Dividends Paid?		Year	Qtr	Dividends Paid?	
	Q1	YES		Q1	YES		Q1	YES
	Q2	YES	100E	Q2	YES	2002	Q2	YES
1989 (Becomes public	Q3	YES	1995	Q3	YES	2002	Q3	YES
company in Q2)	Q4	YES		Q4	YES		Q4	YES
				Q1	YES		Q1	YES
	Q1	YES	1996	Q2	YES	2003	Q2	YES
1990	Q2	YES	1550	Q3	YES	2003	Q3	YES
1000	Q3	YES		Q4	YES		Q4	YES
	Q4	YES		Q1	YES		Q1	YES
	Q1	YES	1997	Q2	YES	2004	Q2	YES
	Q2	YES	1007	Q3	YES		Q3	YES
1991				Q4	YES		Q4	YES
	Q3	YES		Q1	YES	2005	Q1	YES
	Q4	YES	1998	Q2	YES		Q2	YES
	Q1	YES	1000	Q3	YES	2000	Q3	YES
	Q2	YES		Q4	YES		Q4	YES
1992	Q3	YES		Q1	YES	2006	Q1	YES
	Q4	YES	1999	Q2	YES		Q2	YES
			.000	Q3	YES	2000	Q3	YES
	Q1	YES		Q4	YES		Q4	YES
1993	Q2	YES		Q1	YES		Q1	YES
1000	Q3	YES	2000	Q2	YES	2007	Q2	YES
	Q4	YES	2000	Q3	YES	200.	Q3	YES
	Q1	YES		Q4	YES		Q4	YES
	Q2	YES		Q1	YES		Q1	YES
1994			2001	Q2	YES	2008		
	Q3	YES		Q3	YES		Q2	YES
Source: Bloomberg Data	Q4	YES		Q4	YES			Hartman-Trial-1 ₅

Dividends Paid by Fannie Mae and Freddie Mack to Private Shareholders: 1996–2008

	Fannie	Mae [®]
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Freddie Mac

1996	\$857 Million	\$323 Million
1997	\$945 Million	\$369 Million
1998	\$1.055 Billion	\$447 Million
1999	\$1.184 Billion	\$570 Million
2000	\$1.246 Billion	\$654 Million
2001	\$1.338 Billion	\$774 Million
2002	\$1.410 Billion	\$845 Million
2003	\$1.796 Billion	\$934 Million
2004	\$2.185 Billion	\$1.046 Billion
2005	\$1.376 Billion	\$1.299 Billion
2006	\$1.650 Billion	\$1.579 Billion
2007	\$2.483 Billion	\$1.539 Billion
2008	\$1.774 Billion	\$826 Million
TOTAL	\$19.299 Billion	\$11.205 Billion

Source: Exhibit 2 Hartman-Trial-1 6

Total Dividends Paid to Private Preferred Shareholders

Total dividends from 1996–2008: \$30.5 Billion Total dividends to private preferred \$5.0 Billion shareholders from 1996-2008: Total dividends to all other private \$25.5 Billion shareholders from 1996–2008: Total dividends to any private shareholders from Sep 2008-present:

Total amounts invested by private preferred shareholders into Fannie \$32.9 Billion Mae and Freddie Mac: Total dividends paid to private \$5.0 Billion preferred shareholders:

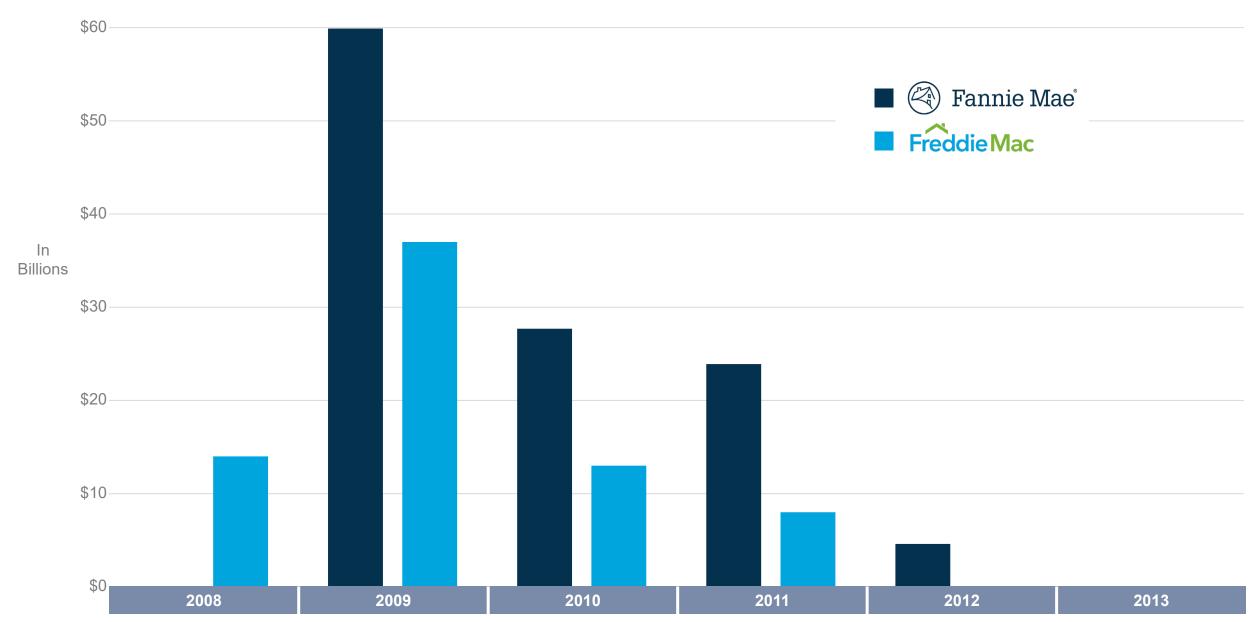
Total amounts invested by private preferred shareholders into Fannie Mae and Freddie Mac in 2007 and 2008:

\$19.7 Billion

Total dividends paid on private preferred shares issued for 2007 and 2008 investments:

\$1.1 Billion

Fannie Mae and Freddie Mac Annual Borrowings From Treasury Commitment

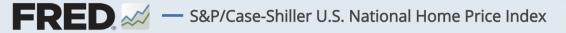


Source: Exhibits 5A, 5B Hartman-Trial-1 11



Shaded areas indicate U.S. recessions.

Case-Shiller Index



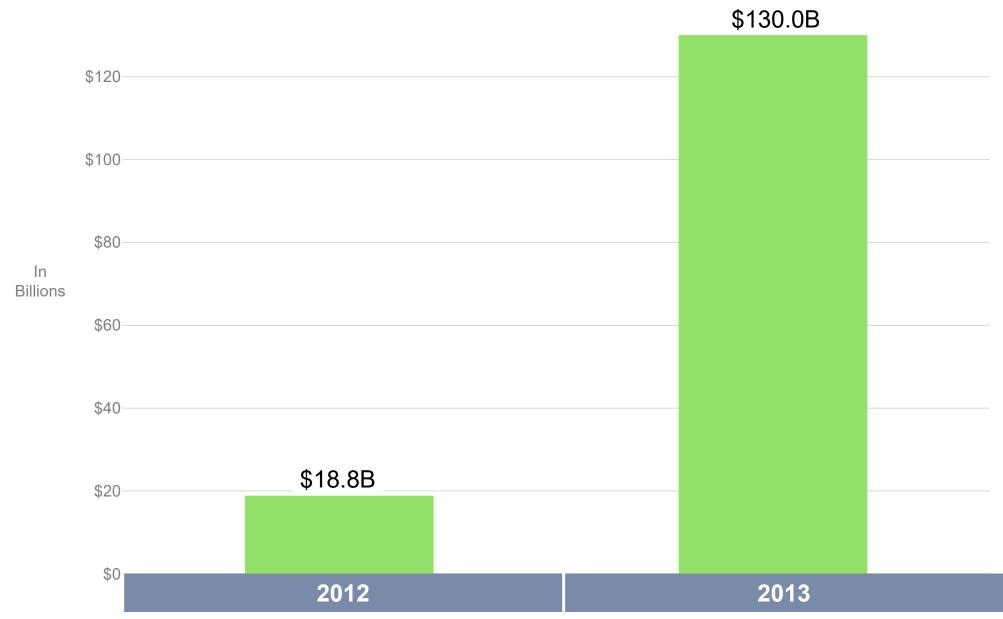


Shaded areas indicate U.S. recessions.

Changes to Treasury's Senior Preferred Dividend 10 1/20

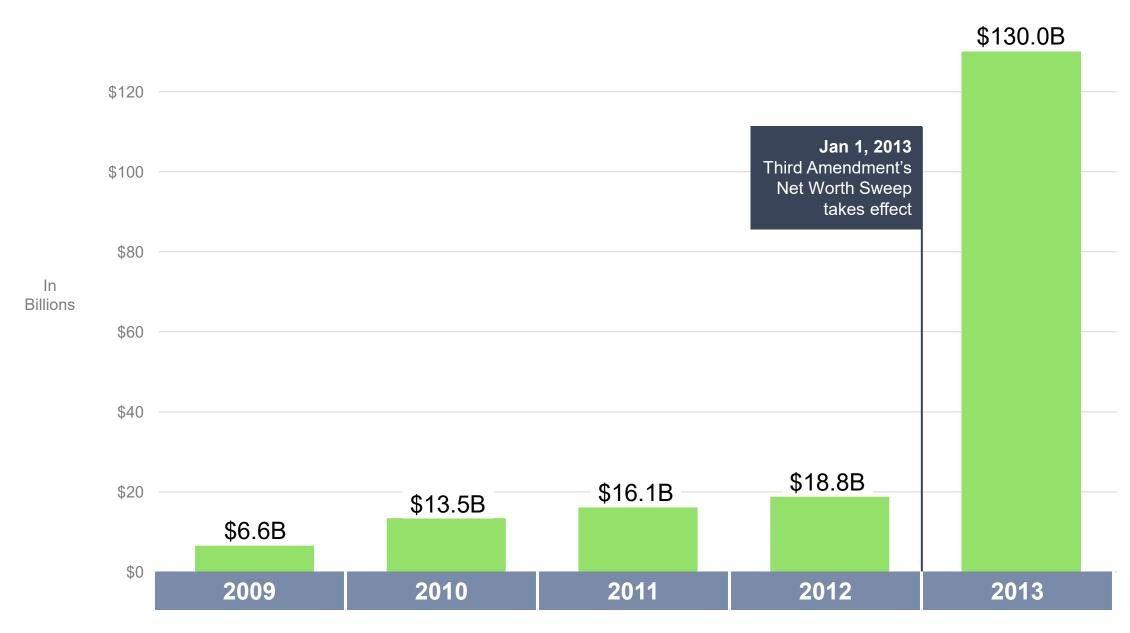
Before Third Amendment:	10% × Liquidation Preference, in cash
After Third Amendment: (Third Amendment took effect 1/1/13)	100% of net worth, minus reserve, in cash

Dividends Paid to Treasury: 12012 vs: 12015 d 09/02/22 Page 17 of 26



Source: Exhibit 7 Hartman-Trial-1 16

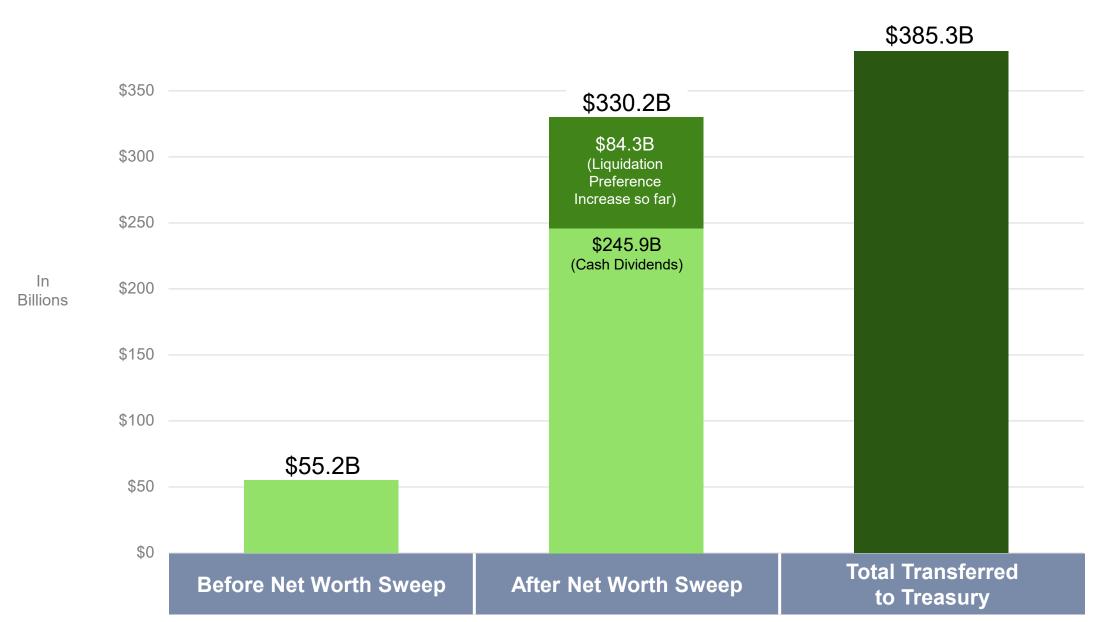
Total Dividends Paid to Treasury: 2009-2013222 Page 18 of 26



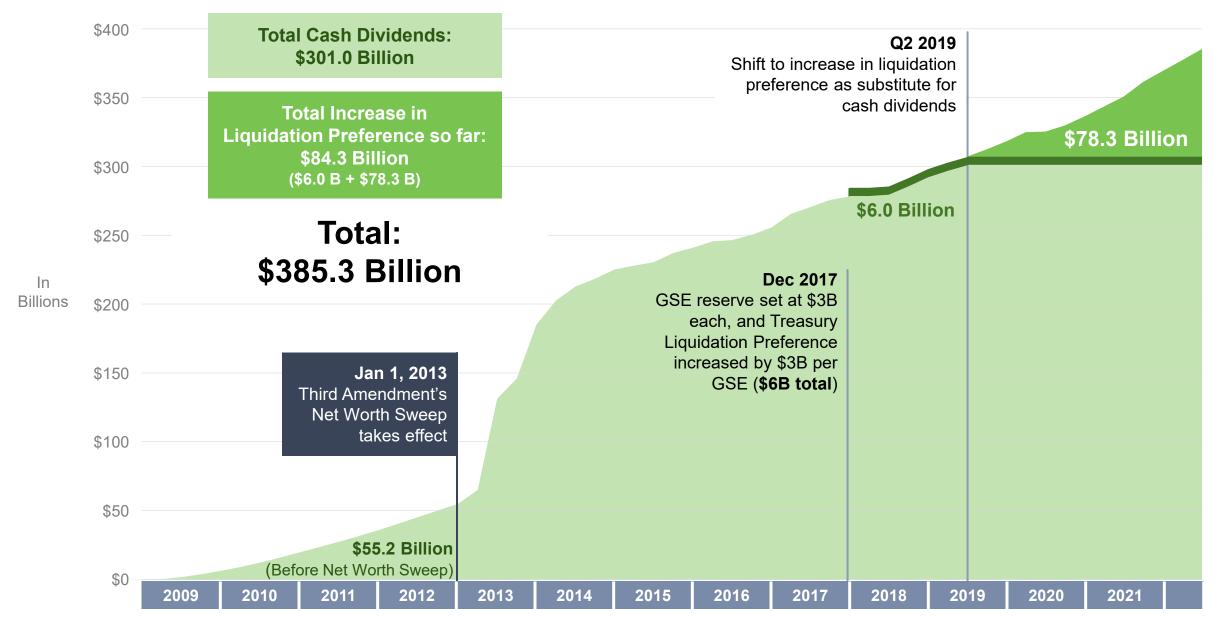
Changes to Treasury's Senior Preferred Dividend 19 of 26

Before Third Amendment:	10% × Liquidation Preference, in cash
After Third Amendment: (Third Amendment took effect 1/1/13)	100% of net worth, minus reserve, in cash
Dec. 2017:	Net Worth Sweep continues, but reserve set at \$3B per GSE, and \$3B added to Treasury Liquidation Preference per GSE, for total of \$6B
After Q2 2019:	Cash sweep stops, but 100% of net worth increase each quarter added to Treasury Liquidation Preference

Amount Transferred to Treasury Before and After Net Worth Sweep



Cumulative Cash Dividends Paid by Fannie Mae and Freddie Mac to Treasury and Increases In Liquidation Preference as Substitute for Cash Dividends



Source: Exhibit 7 Hartman-Trial-1 21

Fannie Mae & Freddiese Ware of 28 Proddiese Ware of

Jul 30, 2008

Congress enacts Housing and Economic Recovery Act ("HERA")

Sep 6, 2008

Fannie Mae & Freddie Mac enter conservatorship

Sep 7, 2008

Treasury executes Senior **Preferred Stock Purchase** Agreements ("PSPAs") with FHFA, acting for Fannie and Freddie

May 6, 2009

First Amendment to PSPA

Dec 24, 2009

Second Amendment to PSPA

Aug 17, 2012

Third Amendment executed

Current total cash dividends

+ net worth LP increases sent to Treasury: \$385.3B

Q2 2022

Jan 1, 2013

Third Amendment's **Net Worth Sweep** takes effect

Q3 2019

GSEs stop paying net worth as a cash sweep dividend; **Treasury Liquidation** Preference increased by net worth increase each quarter

Dec 2017

GSE reserve set at \$3B each. and Treasury Liquidation Preference increased by \$3B per GSE (\$6B total)

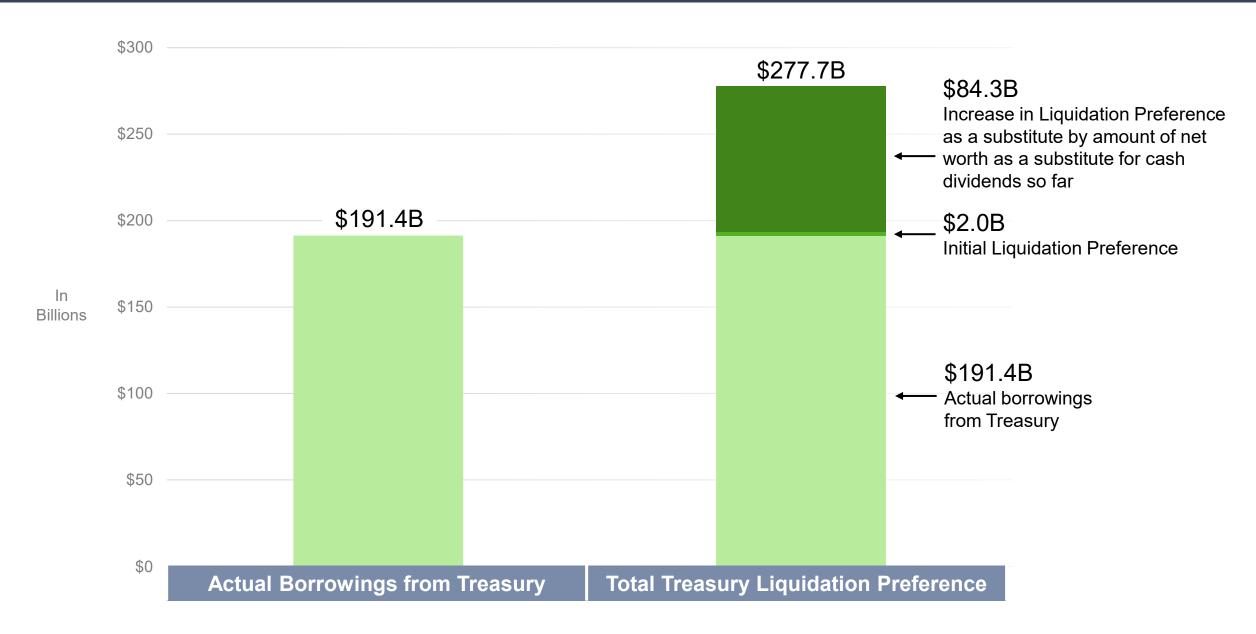
2012 2013 2008 2009 2010 2011 2014 2015 2016 2017 2018 2019 2020 2021 2022

Source: Exhibit 1 Hartman-Trial-1 22

Total Amount Borrowed Vs. Total Amount Transferred to Treasury



Total Treasury Liquidation Preference in Fanfile Mae & Freddie Mac Combined



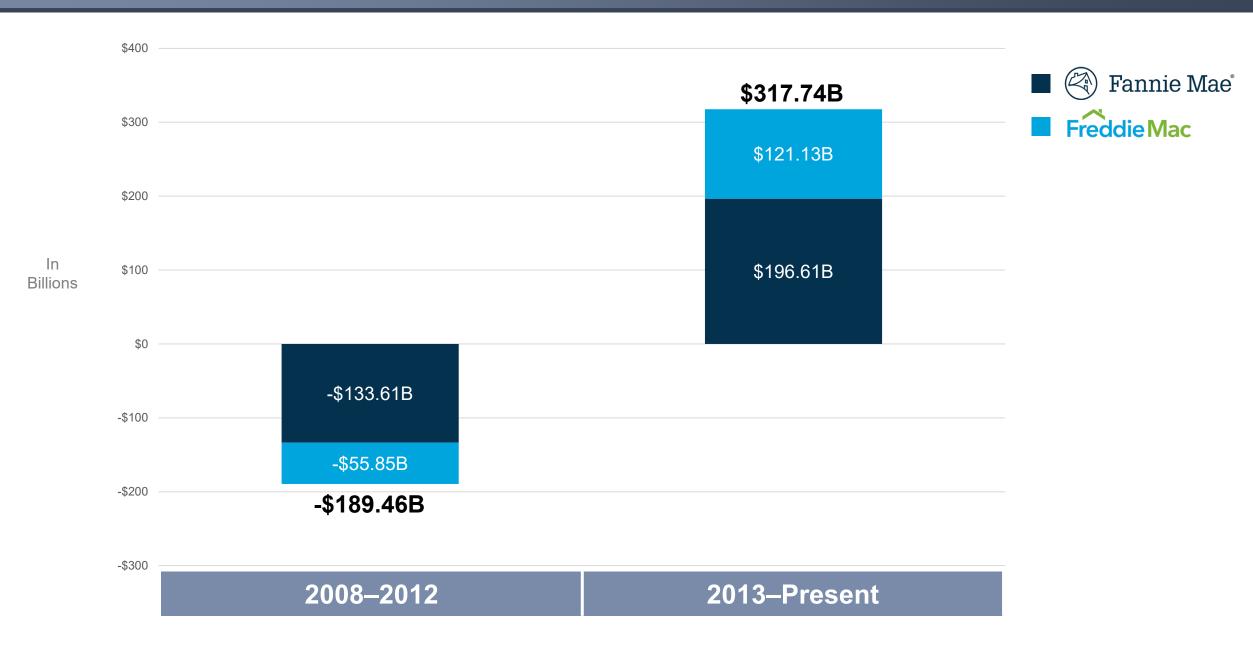
Source: Exhibit 6 Hartman-Trial-1 24

Fannie Mae and Freddie Mac Comprehensive Income: 2008–Present



Source: Exhibit 8 Hartman-Trial-1 25

Fannie Mae and Freddie Mac Comprehensive Income: 2008–Present



Source: Exhibit 8 Hartman-Trial-1 26