



Santander US Capital Markets LLC

Historical Servicer Prepayment Speed Ranking

July 2024 (June Speeds)

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Agency MBS Strategy

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GSE: Fixed 30yr

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Rank	Servicer	3M Historical Horizon						6M Historical Horizon						12M Historical Horizon							
		\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref
1	Quicken	265,934	4.14	37	22.6	7.6	6.2	Caliber Home Loans	1	5.38	162	1699.7	60.4	4.8	Specialized Loan Servicing	26,713	4.59	36	27.7	7.2	5.6
2	loanDepot.com	69,443	3.67	31	9.6	5.7	5.2	Quicken	264,985	4.11	36	25.4	6.9	5.5	Quicken	262,744	4.02	34	24.4	6.6	5.3
3	Specialized Loan Servicing	16,147	4.76	35	9.3	7.4	6.8	Specialized Loan Servicing	23,004	4.70	37	16.0	6.7	5.8	Pingora Loan Servicing	23,113	4.05	59	8.3	6.5	6.0
4	Pingora Loan Servicing	22,411	4.05	64	8.1	7.2	6.7	loanDepot.com	69,237	3.64	30	10.3	5.0	4.5	loanDepot.com	68,737	3.57	28	7.9	4.6	4.3
5	Movement Mortgage	27,468	5.02	23	8.0	7.7	7.2	Arvest Mortgage	30,123	4.11	42	6.3	5.8	5.5	Arvest Mortgage	30,966	4.09	39	6.1	5.7	5.4
6	Arvest Mortgage	27,364	3.98	44	5.7	6.6	6.2	Movement Mortgage	28,465	4.97	22	5.6	6.7	6.4	Movement Mortgage	31,642	4.71	21	5.0	6.1	5.8
7	Freedom Mortgage	153,152	3.94	39	5.0	6.1	5.9	Pingora Loan Servicing	22,649	4.05	62	5.6	6.3	5.9	Nexus Nova	23,763	3.64	29	5.0	4.9	4.7
8	Nexus Nova	25,692	3.86	32	4.4	6.1	5.8	Freedom Mortgage	143,186	3.77	40	5.2	5.3	5.1	Freedom Mortgage	142,308	3.57	39	4.1	5.0	4.8
9	Flagstar	51,338	4.37	33	4.2	6.6	6.3	Nexus Nova	24,872	3.76	31	3.6	5.1	5.0	Fifth Third	78,781	3.78	43	3.4	5.2	5.1
10	Marlin Mortgage Capital	20,979	3.22	38	3.5	5.0	4.9	MSR Asset Vehicle	48,386	3.25	36	2.9	4.5	4.4	Regions Bank	48,771	3.83	39	2.1	5.3	5.2
11	New American Funding	37,097	3.94	34	3.4	6.1	5.9	New American Funding	36,865	3.89	33	1.9	5.3	5.2	Truist Bank	158,208	3.64	53	1.3	5.0	4.9
12	BSI Financial	18,260	4.11	34	2.8	6.1	6.0	United Shore (Retained)	172,351	4.59	22	1.8	5.5	5.4	Wells Fargo	351,707	3.82	70	0.8	5.4	5.4
13	Regions Bank	50,460	3.89	42	2.8	6.3	6.1	PennyMac	292,244	4.12	33	1.8	5.6	5.5	New American Funding	36,433	3.80	31	0.8	4.9	4.9
14	PennyMac	295,369	4.17	34	2.6	6.4	6.2	Truist Bank	155,693	3.65	56	1.8	5.1	5.0	Flagstar	49,831	4.21	32	0.7	5.4	5.4
15	Seneca Mortgage	26,634	3.72	36	2.1	5.8	5.7	Regions Bank	50,534	3.87	41	1.7	5.4	5.3	MSR Asset Vehicle	47,909	3.24	32	0.6	4.2	4.2
16	United Shore (Retained)	151,806	4.68	23	1.6	6.3	6.2	Fifth Third	78,376	3.80	46	1.4	5.3	5.2	Matrix Financial	132,636	3.54	45	0.5	4.7	4.7
17	Lakeview	290,866	4.88	28	1.3	6.5	6.4	Flagstar	50,754	4.33	32	0.9	5.7	5.7	PennyMac	284,587	4.01	31	0.4	5.1	5.1
18	MSR Asset Vehicle	47,599	3.25	37	0.8	5.2	5.2	Lakeview	285,666	4.83	27	0.8	5.8	5.8	United Shore (Retained)	187,683	4.32	22	0.2	4.8	4.8
19	Matrix Financial	131,421	3.56	49	0.2	5.6	5.6	Matrix Financial	131,981	3.56	48	-0.0	4.8	4.8	Marlin Mortgage Capital	24,182	3.16	34	-0.2	3.9	3.9
20	Fifth Third	78,094	3.81	47	0.1	6.0	6.0	Nationstar	358,040	4.10	49	-1.0	5.5	5.5	Lakeview	265,107	4.69	26	-0.2	5.4	5.4
21	CMG Mortgage	62,198	4.11	31	0.0	5.9	5.9	Wells Fargo	330,182	3.80	71	-1.3	5.2	5.3	Nationstar	319,726	4.04	46	-0.8	5.3	5.3
22	Truist Bank	155,045	3.66	57	-0.3	5.7	5.7	CMG Mortgage	63,623	4.02	30	-1.3	5.0	5.1	CMG Mortgage	64,186	3.93	28	-0.8	4.8	4.8
23	Nationstar	374,156	4.14	52	-0.7	6.2	6.2	BSI Financial	19,357	4.02	34	-1.4	5.0	5.1	BSI Financial	20,566	3.87	32	-1.3	4.8	4.9
24	PNC Mortgage	133,686	3.50	58	-1.4	5.6	5.7	PNC Mortgage	134,431	3.50	57	-1.5	4.9	5.0	New Residential	235,873	3.99	58	-1.7	5.2	5.3
25	Guild Mortgage	56,076	4.26	35	-1.7	6.3	6.4	Seneca Mortgage	26,017	3.69	34	-1.6	4.8	4.9	U.S. Bank	143,684	4.03	49	-2.3	5.1	5.3
26	New Residential	276,139	4.02	58	-1.8	6.0	6.1	U.S. Bank	139,099	4.12	51	-1.7	5.3	5.4	PNC Mortgage	133,495	3.48	54	-2.4	4.8	4.9
27	U.S. Bank	139,247	4.15	52	-1.9	6.0	6.1	United Shore (Sold)	198,366	3.86	36	-1.7	4.5	4.6	Seneca Mortgage	24,747	3.65	32	-2.5	4.6	4.7
28	United Shore (Sold)	223,319	3.96	35	-1.9	5.1	5.2	Marlin Mortgage Capital	21,036	3.21	37	-2.1	4.0	4.1	PHH Mortgage	79,370	4.06	35	-2.9	4.9	5.0
29	Wells Fargo	323,071	3.79	72	-2.2	5.9	6.0	New Residential	275,518	3.99	58	-2.2	5.3	5.4	AmeriHome Mortgage	51,341	5.54	18	-3.1	6.2	6.4
30	CrossCountry Mortgage	61,802	4.15	29	-3.3	5.9	6.1	PHH Mortgage	78,202	4.18	36	-3.1	5.2	5.3	Onslow Bay Financial	89,830	3.13	32	-3.4	3.7	3.8
31	Onslow Bay Financial	92,848	3.18	36	-3.7	4.6	4.7	Onslow Bay Financial	92,318	3.16	35	-3.4	3.9	4.0	United Shore (Sold)	174,909	3.85	34	-3.4	4.3	4.4
32	Chase	459,648	3.65	54	-3.8	5.3	5.5	Chase	461,286	3.63	53	-3.6	4.6	4.8	Huntington National Bank	20,967	4.12	45	-3.5	5.7	5.9
33	Citizens Bank	66,003	4.00	44	-4.6	5.8	6.1	AmeriHome Mortgage	52,352	5.78	18	-4.9	6.7	7.0	Chase	450,073	3.61	50	-3.6	4.5	4.7
34	PHH Mortgage	79,036	4.22	37	-4.6	5.7	6.0	Citizens Bank	65,935	3.98	43	-5.1	5.1	5.4	Citizens Bank	65,610	3.91	40	-3.6	5.0	5.2
35	Smaller Servicers	1,013,778	4.04	45	-5.0	6.0	6.3	Smaller Servicers	1,007,957	4.00	44	-5.4	5.2	5.5	Guild Mortgage	54,430	4.10	32	-4.6	5.1	5.4
36	AmeriHome Mortgage	50,186	5.91	18	-5.1	7.4	7.8	Huntington National Bank	21,289	4.21	47	-5.7	5.7	6.1	Smaller Servicers	1,029,239	3.93	42	-4.7	5.1	5.3
37	Provident Funding	24,488	3.89	59	-7.1	5.3	5.7	Guild Mortgage	55,483	4.21	34	-5.9	5.3	5.7	Caliber Home Loans	36,790	3.52	36	-5.7	4.6	4.9
38	Citi	32,195	4.39	54	-7.5	5.2	5.6	Citi	31,781	4.33	54	-6.7	4.8	5.1	CrossCountry Mortgage	60,408	4.01	26	-8.0	4.6	5.0
39	Huntington National Bank	21,400	4.25	47	-7.7	6.3	6.8	CrossCountry Mortgage	61,242	4.10	28	-7.3	5.0	5.4	Citi	31,350	4.24	54	-8.4	4.6	5.0
40	Bank of America	47,844	4.62	125	-8.3	6.4	6.9	Provident Funding	24,067	3.89	59	-7.3	4.7	5.1	Bank of America	47,532	4.58	121	-9.1	5.9	6.4
41								Bank of America	48,323	4.61	124	-8.1	5.9	6.4	Provident Funding	22,126	3.88	59	-9.6	4.5	5.0

Highlighted row is the servicer closest to their comparison speed
Data is sorted on the contents of the highlighted column

Source: Fannie Mae, Freddie Mac, Santander US Capital Markets

GSE: Fixed 15yr

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Rank	Servicer	3M Historical Horizon						6M Historical Horizon						12M Historical Horizon							
		\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref
1	Movement Mortgage	1,072	3.28	33	26.9	9.6	7.6	Quicken	52,957	2.95	41	21.9	7.3	6.0	Quicken	54,683	2.94	38	22.1	7.1	5.8
2	Quicken	52,133	2.96	42	20.2	7.9	6.6	Movement Mortgage	1,117	3.26	31	18.8	8.0	6.8	Specialized Loan Servicing	3,058	3.41	38	12.0	8.0	7.2
3	Nexus Nova	1,810	2.76	36	10.7	6.5	5.9	AmeriHome Mortgage	1,386	4.33	23	8.0	10.2	9.5	Movement Mortgage	1,356	3.11	29	7.2	6.8	6.3
4	Pingora Loan Servicing	2,654	3.16	61	10.4	8.4	7.7	Specialized Loan Servicing	2,571	3.48	40	7.6	8.0	7.5	Regions Bank	4,110	2.89	48	5.3	6.5	6.2
5	AmeriHome Mortgage	1,221	4.50	22	7.3	11.1	10.4	PHH Mortgage	8,644	2.79	46	6.6	5.6	5.3	Pingora Loan Servicing	2,825	3.16	57	5.2	7.1	6.8
6	PennyMac	18,602	2.97	40	7.3	7.0	6.5	Regions Bank	4,339	2.85	49	5.0	6.6	6.3	New American Funding	3,797	2.76	35	5.2	5.5	5.2
7	Regions Bank	4,259	2.85	50	6.3	7.3	6.9	Pingora Loan Servicing	2,713	3.16	60	4.7	7.3	7.0	AmeriHome Mortgage	1,501	4.09	23	4.3	8.5	8.2
8	Marlin Mortgage Capital	1,626	2.64	38	5.4	5.7	5.4	MSR Asset Vehicle	3,676	2.65	35	3.9	5.1	4.9	Guild Mortgage	3,100	3.00	38	4.3	6.3	6.0
9	Specialized Loan Servicing	1,800	3.49	41	4.1	8.8	8.4	BSI Financial	1,870	2.65	40	3.7	5.0	4.8	PHH Mortgage	8,948	2.79	43	4.3	5.4	5.2
10	loanDepot.com	16,002	2.57	35	3.4	5.5	5.3	CMG Mortgage	4,603	2.62	36	3.2	4.8	4.6	CMG Mortgage	4,813	2.61	33	3.8	4.6	4.5
11	PHH Mortgage	8,505	2.79	47	2.9	6.0	5.9	Nexus Nova	1,830	2.75	35	2.8	5.3	5.1	Arvest Mortgage	1,960	3.11	59	3.5	7.1	6.8
12	Arvest Mortgage	1,826	3.13	62	2.9	7.9	7.7	New American Funding	3,700	2.78	38	2.8	5.6	5.4	PennyMac	18,970	2.89	37	2.7	5.8	5.6
13	New American Funding	3,650	2.79	39	2.4	6.3	6.2	PennyMac	18,718	2.94	39	2.8	6.1	5.9	Lakeview	16,299	2.91	32	2.1	5.4	5.3
14	Matrix Financial	16,614	2.70	50	1.9	6.1	6.0	Chase	59,207	2.84	50	1.8	5.8	5.7	BSI Financial	2,186	2.64	37	2.0	4.8	4.7
15	Chase	58,153	2.84	51	1.8	6.5	6.4	loanDepot.com	16,196	2.56	34	1.7	4.7	4.6	MSR Asset Vehicle	3,705	2.65	32	1.7	4.9	4.8
16	MSR Asset Vehicle	3,660	2.65	37	1.8	5.7	5.6	Guild Mortgage	3,012	3.02	41	1.6	6.3	6.2	loanDepot.com	16,590	2.54	31	1.5	4.5	4.4
17	CMG Mortgage	4,397	2.63	37	1.6	5.5	5.4	Wells Fargo	55,974	2.98	60	1.6	6.6	6.5	Wells Fargo	59,023	2.99	59	1.1	6.5	6.4
18	Wells Fargo	54,676	2.98	61	0.9	7.2	7.1	Freedom Mortgage	22,030	2.60	46	1.3	5.2	5.1	Nexus Nova	1,864	2.74	32	0.7	5.0	4.9
19	Lakeview	16,509	3.01	36	0.7	6.3	6.3	Lakeview	16,820	2.99	35	1.2	5.7	5.6	Matrix Financial	17,360	2.70	46	0.1	5.2	5.2
20	Freedom Mortgage	21,783	2.60	47	0.5	5.7	5.7	U.S. Bank	14,856	2.99	55	1.1	6.3	6.3	Caliber Home Loans	3,358	2.79	40	0.0	5.5	5.5
21	Nationstar	42,548	2.88	45	0.1	6.4	6.4	Arvest Mortgage	1,893	3.14	60	0.7	7.1	7.0	Chase	61,020	2.84	48	0.0	5.6	5.6
22	U.S. Bank	14,566	2.99	56	-0.2	6.8	6.9	Matrix Financial	16,908	2.70	49	0.2	5.4	5.4	U.S. Bank	15,434	2.98	53	-0.2	6.1	6.1
23	Seneca Mortgage	2,449	2.60	39	-0.9	5.5	5.5	Nationstar	42,122	2.88	44	-0.7	5.7	5.8	Nationstar	41,190	2.87	42	-0.3	5.6	5.6
24	Onslow Bay Financial	10,806	2.41	36	-1.1	4.6	4.6	Truist Bank	22,794	2.91	54	-1.7	6.0	6.1	Truist Bank	23,616	2.91	52	-0.5	5.9	5.9
25	Truist Bank	22,396	2.92	55	-1.5	6.6	6.7	Flagstar	8,683	2.99	37	-2.1	5.8	5.9	Freedom Mortgage	22,671	2.59	43	-0.6	4.9	4.9
26	BSI Financial	1,617	2.66	42	-2.3	5.5	5.7	Bank of America	6,552	3.49	98	-2.8	8.9	9.1	Flagstar	8,878	2.95	35	-2.8	5.5	5.6
27	Bank of America	6,314	3.48	99	-3.0	9.2	9.5	Seneca Mortgage	2,444	2.60	38	-2.8	4.7	4.9	United Shore (Retained)	22,119	2.85	28	-3.0	5.0	5.2
28	PNC Mortgage	24,608	2.76	52	-3.0	6.3	6.5	PNC Mortgage	25,057	2.76	51	-3.1	5.7	5.9	United Shore (Sold)	9,847	2.83	43	-3.2	5.1	5.3
29	Flagstar	8,581	3.00	38	-3.5	6.2	6.4	United Shore (Retained)	21,158	2.93	30	-3.3	5.4	5.6	Fifth Third	9,459	2.84	48	-3.3	5.7	5.8
30	Guild Mortgage	2,970	3.03	42	-3.9	6.7	6.9	Fifth Third	9,151	2.84	51	-3.7	5.8	6.0	Bank of America	6,997	3.48	96	-3.3	8.6	8.9
31	United Shore (Sold)	10,160	2.80	46	-4.0	5.7	5.9	Onslow Bay Financial	10,958	2.41	34	-3.9	3.9	4.0	PNC Mortgage	25,663	2.76	49	-3.9	5.5	5.7
32	New Residential	31,556	3.11	58	-4.3	7.0	7.3	New Residential	32,124	3.10	57	-4.6	6.5	6.8	New Residential	29,677	3.11	56	-4.5	6.3	6.6
33	CrossCountry Mortgage	4,875	2.69	37	-4.4	5.6	5.9	Smaller Servicers	154,606	2.86	47	-5.9	5.7	6.1	Smaller Servicers	162,610	2.85	45	-4.9	5.7	5.9
34	Fifth Third	9,003	2.83	52	-5.3	6.3	6.6	United Shore (Sold)	10,314	2.80	44	-6.2	5.1	5.4	Onslow Bay Financial	11,172	2.40	31	-5.5	3.7	3.9
35	Smaller Servicers	152,233	2.87	49	-5.4	6.4	6.7	Marlin Mortgage Capital	1,646	2.64	36	-7.9	4.3	4.7	Seneca Mortgage	2,433	2.58	35	-6.1	4.5	4.8
36	United Shore (Retained)	21,119	2.97	32	-6.5	5.8	6.2	CrossCountry Mortgage	4,936	2.68	36	-7.9	4.7	5.1	Huntington National Bank	3,841	3.05	48	-7.0	6.3	6.8
37	Citizens Bank	11,887	2.86	48	-9.9	5.9	6.6	Citizens Bank	12,094	2.86	47	-8.7	5.4	5.9	Citizens Bank	12,493	2.85	45	-8.3	5.4	5.9
38	Huntington National Bank	3,658	3.07	51	-11.4	6.8	7.6	Huntington National Bank	3,722	3.07	50	-9.2	6.3	6.9	Marlin Mortgage Capital	2,356	2.57	34	-8.5	4.0	4.4
39	Provident Funding	5,779	2.82	66	-11.9	5.9	6.7	Citi	3,452	3.20	62	-10.1	6.1	6.8	CrossCountry Mortgage	5,065	2.67	33	-8.6	4.5	4.9
40	Citi	3,407	3.23	62	-12.4	6.4	7.3	Provident Funding	5,833	2.83	65	-11.0	5.5	6.1	Citi	3,593	3.17	61	-12.6	5.9	6.7
41															Provident Funding	5,604	2.86	66	-12.7	5.4	6.1

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1	Movement Mortgage	255	3.49	35	40.7	10.3	7.4	Quicken	28,627	3.23	38	30.3	6.0	4.6	Specialized Loan Servicing	628	3.96	42	40.7	8.4	6.1
2	Quicken	28,428	3.25	40	26.6	6.6	5.2	Specialized Loan Servicing	536	4.07	43	29.7	8.4	6.6	Quicken	29,095	3.20	35	28.1	5.7	4.4
3	Marlin Mortgage Capital	872	2.98	41	25.4	5.4	4.4	Movement Mortgage	267	3.48	33	28.3	7.6	5.9	Movement Mortgage	333	3.40	31	19.8	5.9	5.0
4	Nexus Nova	570	3.18	37	24.8	6.6	5.3	Marlin Mortgage Capital	880	2.98	40	18.1	4.4	3.7	Marlin Mortgage Capital	982	2.97	36	19.7	4.2	3.5
5	Specialized Loan Servicing	369	4.13	42	22.9	9.1	7.5	Arvest Mortgage	512	3.62	56	13.7	6.5	5.7	Arvest Mortgage	525	3.60	54	15.9	6.4	5.5
6	Pingora Loan Servicing	822	3.34	52	22.0	6.4	5.3	Nexus Nova	575	3.17	36	13.5	5.0	4.4	Pingora Loan Servicing	852	3.34	48	8.1	5.1	4.7
7	Arvest Mortgage	498	3.63	57	9.7	6.9	6.3	Pingora Loan Servicing	833	3.34	51	11.4	5.4	4.8	Nexus Nova	577	3.16	33	7.5	4.5	4.2
8	Flagstar	3,789	3.14	38	8.0	5.1	4.8	PHH Mortgage	2,613	3.20	47	7.6	4.7	4.3	PHH Mortgage	2,656	3.19	44	3.4	4.3	4.2
9	CrossCountry Mortgage	1,631	3.23	36	7.8	5.7	5.3	Flagstar	3,812	3.12	37	5.6	4.3	4.0	loanDepot.com	4,517	2.90	29	2.5	3.9	3.8
10	PHH Mortgage	2,592	3.21	48	6.9	5.2	4.8	loanDepot.com	4,437	2.91	32	5.5	4.1	3.9	CrossCountry Mortgage	1,652	3.17	32	1.6	4.3	4.2
11	loanDepot.com	4,395	2.91	34	5.5	4.8	4.5	CMG Mortgage	1,300	3.23	36	4.1	4.4	4.2	Nationstar	13,463	3.23	47	1.2	4.4	4.4
12	Chase	25,498	3.30	61	3.2	5.4	5.2	Truist Bank	7,974	3.20	61	2.2	4.6	4.5	Flagstar	3,866	3.10	34	1.2	3.9	3.8
13	Truist Bank	7,906	3.21	63	2.9	5.2	5.0	Chase	25,677	3.30	59	1.4	4.8	4.7	CMG Mortgage	1,345	3.19	33	1.0	4.2	4.1
14	Lakeview	7,214	3.20	38	2.8	5.0	4.9	Wells Fargo	21,494	3.49	70	1.3	5.2	5.1	Caliber Home Loans	1,063	3.13	38	0.7	4.3	4.2
15	Wells Fargo	21,274	3.49	72	2.0	5.7	5.6	U.S. Bank	7,973	3.39	53	0.0	5.0	5.0	New American Funding	933	3.15	34	0.2	4.0	4.0
16	U.S. Bank	7,925	3.41	54	1.9	5.8	5.7	Lakeview	7,257	3.18	36	-0.1	4.2	4.2	Lakeview	6,375	3.17	34	-0.1	4.1	4.1
17	AmeriHome Mortgage	451	4.35	34	1.4	8.2	8.1	United Shore (Retained)	6,224	3.05	32	-0.8	3.8	3.8	U.S. Bank	8,098	3.37	51	-0.2	4.9	4.9
18	Matrix Financial	6,903	3.01	48	1.0	4.6	4.6	Nationstar	13,929	3.24	51	-1.6	4.4	4.5	MSR Asset Vehicle	1,534	2.94	33	-0.4	3.7	3.7
19	Regions Bank	1,312	3.23	49	0.8	5.6	5.5	PennyMac	9,223	3.03	38	-2.0	4.0	4.1	Chase	25,990	3.29	55	-0.7	4.6	4.6
20	Freedom Mortgage	4,946	3.23	47	-0.3	5.2	5.2	Regions Bank	1,319	3.23	47	-2.1	4.7	4.8	United Shore (Retained)	6,957	3.03	30	-1.1	3.6	3.6
21	Nationstar	14,183	3.25	53	-0.8	5.1	5.1	Freedom Mortgage	4,911	3.20	46	-2.5	4.5	4.6	Wells Fargo	21,979	3.49	67	-1.1	5.0	5.1
22	Huntington National Bank	839	3.47	56	-1.2	5.8	5.8	Matrix Financial	6,956	3.00	46	-3.4	3.8	3.9	Truist Bank	8,116	3.20	58	-1.3	4.4	4.4
23	CMG Mortgage	1,242	3.28	37	-1.6	4.9	5.0	United Shore (Sold)	5,150	3.07	43	-3.9	3.7	3.8	Seneca Mortgage	686	3.18	36	-1.6	4.1	4.2
24	United Shore (Retained)	6,183	3.07	34	-3.9	4.2	4.4	Onslow Bay Financial	5,018	2.75	33	-4.8	3.0	3.2	PennyMac	9,354	3.01	35	-2.5	3.9	4.0
25	New Residential	14,916	3.43	63	-5.9	5.3	5.6	Provident Funding	1,255	3.20	57	-5.1	4.4	4.6	Matrix Financial	7,049	3.00	43	-3.0	3.8	3.9
26	Onslow Bay Financial	5,036	2.75	35	-6.4	3.4	3.7	CrossCountry Mortgage	1,636	3.21	35	-5.4	4.3	4.5	Freedom Mortgage	4,938	3.17	42	-3.6	4.2	4.4
27	Fifth Third	2,549	3.45	63	-6.6	5.6	6.0	Huntington National Bank	843	3.45	55	-5.9	4.8	5.1	New Residential	14,067	3.43	59	-4.3	4.7	5.0
28	United Shore (Sold)	5,097	3.07	45	-6.8	4.1	4.3	New Residential	14,976	3.42	61	-6.0	4.7	5.0	Regions Bank	1,235	3.25	45	-5.0	4.5	4.7
29	PennyMac	9,147	3.03	40	-7.2	4.3	4.7	Fifth Third	2,553	3.44	62	-6.2	5.0	5.3	Fifth Third	2,572	3.42	59	-5.8	4.9	5.2
30	Provident Funding	1,262	3.20	58	-8.5	4.7	5.1	MSR Asset Vehicle	1,506	2.94	36	-6.3	3.5	3.7	United Shore (Sold)	4,604	3.08	41	-6.2	3.5	3.7
31	Smaller Servicers	53,590	3.29	51	-10.4	4.9	5.4	AmeriHome Mortgage	594	4.19	33	-6.5	6.0	6.4	Provident Funding	1,200	3.21	56	-6.6	4.1	4.4
32	PNC Mortgage	8,161	3.21	58	-11.2	4.6	5.2	Bank of America	3,191	4.12	125	-8.3	6.6	7.1	Guild Mortgage	1,190	3.25	36	-7.7	4.3	4.6
33	Guild Mortgage	1,167	3.29	40	-11.3	4.7	5.3	Guild Mortgage	1,174	3.27	39	-9.2	4.2	4.7	Bank of America	3,228	4.10	121	-7.8	6.5	7.0
34	MSR Asset Vehicle	1,483	2.95	37	-11.7	3.9	4.4	New American Funding	921	3.18	37	-10.0	3.6	4.0	Huntington National Bank	848	3.43	52	-8.2	4.6	5.0
35	Bank of America	3,171	4.12	127	-12.3	6.6	7.5	Smaller Servicers	54,021	3.28	49	-10.9	4.3	4.8	Smaller Servicers	56,896	3.26	47	-8.3	4.4	4.8
36	New American Funding	915	3.20	38	-16.6	3.9	4.7	PNC Mortgage	8,235	3.21	56	-11.4	4.1	4.6	Onslow Bay Financial	5,019	2.74	30	-8.4	2.8	3.0
37	Citi	1,634	3.63	70	-17.8	4.7	5.7	Citizens Bank	3,376	3.30	50	-16.3	4.0	4.7	Citi	1,656	3.58	66	-8.7	4.6	5.1
38	Citizens Bank	3,354	3.30	52	-20.0	4.2	5.3	Citi	1,635	3.61	69	-17.1	4.3	5.2	PNC Mortgage	8,295	3.20	53	-9.3	4.2	4.6
39	Seneca Mortgage	698	3.21	40	-29.5	3.3	4.7	Seneca Mortgage	699	3.21	39	-20.2	3.5	4.3	AmeriHome Mortgage	731	4.04	31	-11.2	5.0	5.7
40	BSI Financial	248	3.33	44	-37.0	3.2	5.0	BSI Financial	281	3.27	42	-38.4	2.8	4.6	Citizens Bank	3,424	3.29	47	-11.9	4.1	4.6
41								Caliber Home Loans	0	3.88	137	-99.9	0.0	5.3	BSI Financial	323	3.20	40	-30.7	3.0	4.3

Highlighted row is the servicer closest to their comparison speed
Data is sorted on the contents of the highlighted column

Source: Fannie Mae, Freddie Mac, Santander US Capital Markets

GSE: Hybrid 5/1 and 5/6

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Rank	Servicer	3M Historical Horizon						6M Historical Horizon						12M Historical Horizon							
		\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref
1	Old National Bank	27	4.65	44	87.6	20.0	11.2	CrossCountry Mortgage	20	3.65	25	53.4	14.0	9.4	American Internet Mortgage	7	4.70	63	42.8	15.3	11.0
2	Flagstar	20	4.09	24	84.4	22.3	12.7	Citizens Bank	53	4.95	41	50.4	19.7	13.5	CrossCountry Mortgage	20	3.56	23	36.5	14.9	11.1
3	CrossCountry Mortgage	19	3.68	26	48.4	20.0	13.9	Old National Bank	27	4.61	43	39.3	13.8	10.1	Flagstar	21	4.09	21	30.4	10.6	8.2
4	United Shore (Retained)	255	3.32	25	44.1	14.3	10.1	Flagstar	20	4.09	22	35.4	12.3	9.2	Royal Business Bank	14	6.88	82	26.9	19.9	16.0
5	Matrix Financial	50	4.09	51	42.2	26.6	19.5	First Bank	29	2.36	39	34.4	12.1	9.1	Matrix Financial	54	3.86	46	26.9	19.4	15.6
6	Johnson Bank	13	5.33	68	39.6	28.0	20.9	United Shore (Retained)	259	3.32	24	26.8	11.0	8.8	Cape Cod Five Cents Bank	9	6.04	110	26.5	22.1	17.9
7	Provident Funding	97	6.46	141	30.7	28.6	22.7	U.S. Bank	56	6.34	148	24.9	21.9	17.9	Citizens Bank	54	4.86	39	21.4	14.4	12.0
8	PNC Mortgage	138	4.25	85	27.2	17.6	14.1	Matrix Financial	51	4.01	49	21.5	20.7	17.4	Arvest Mortgage	45	5.57	48	16.2	17.3	15.1
9	Arvest Mortgage	65	6.04	36	26.9	21.8	17.6	Royal Business Bank	13	7.20	86	18.3	19.7	16.9	Old National Bank	28	4.51	41	15.6	13.8	12.1
10	Onslow Bay Financial	118	2.33	38	26.4	12.0	9.6	Arvest Mortgage	60	5.96	38	16.5	17.7	15.4	PNC Mortgage	146	3.98	82	14.2	13.5	11.9
11	U.S. Bank	54	6.56	150	24.6	23.6	19.4	Provident Funding	100	6.27	138	13.7	21.3	19.0	U.S. Bank	59	5.86	144	11.0	19.1	17.4
12	United Shore (Sold)	59	4.91	32	18.8	15.1	12.9	PNC Mortgage	141	4.18	84	12.0	14.5	13.0	Lakeview	392	4.74	25	8.7	9.7	9.0
13	Citizens Bank	53	5.03	40	16.0	17.2	15.0	Freedom Mortgage	30	6.28	114	11.8	21.7	19.6	United Shore (Retained)	266	3.31	21	8.0	8.8	8.2
14	Citi	46	6.67	200	13.8	14.9	13.2	Citi	47	6.43	198	11.8	15.5	14.0	First Bank	30	2.31	35	7.0	10.8	10.1
15	Guaranteed Rate	75	6.36	2	7.1	10.5	9.8	United Shore (Sold)	61	4.89	30	11.8	12.1	10.9	United Shore (Sold)	62	4.82	27	6.7	9.9	9.3
16	Truist Bank	53	6.63	186	3.4	18.1	17.6	Guaranteed Rate	50	6.25	2	6.3	8.5	8.0	Provident Funding	105	5.80	134	5.6	18.6	17.7
17	Lakeview	469	4.87	26	2.6	9.9	9.7	Lakeview	467	4.84	25	3.4	9.7	9.4	Guaranteed Rate	68	5.64	5	4.6	7.2	6.9
18	Wells Fargo	1,351	4.43	78	1.7	14.8	14.6	Chase	1,412	4.47	82	1.6	12.6	12.5	Wells Fargo	1,574	4.34	83	2.4	13.1	12.8
19	Chase	1,388	4.55	83	1.0	14.7	14.5	Wells Fargo	1,437	4.44	81	1.6	13.0	12.8	Chase	1,455	4.29	78	2.2	12.7	12.4
20	Royal Business Bank	13	7.30	87	-1.8	22.5	22.9	Truist Bank	55	6.47	183	0.1	16.1	16.1	Truist Bank	57	6.03	178	0.8	16.1	16.0
21	Fifth Third	50	5.99	142	-2.7	16.7	17.2	Nationstar	652	6.23	174	-1.3	14.0	14.1	Nationstar	627	5.84	172	-2.4	13.4	13.7
22	Quicken	137	3.25	50	-2.9	16.5	17.0	Onslow Bay Financial	120	2.33	36	-4.8	8.0	8.4	New Residential	358	5.81	149	-3.5	12.6	13.0
23	Nationstar	661	6.39	174	-3.3	14.6	15.1	Smaller Servicers	570	5.40	74	-8.3	12.3	13.4	Smaller Servicers	572	5.15	84	-5.4	13.0	13.7
24	Bank of America	346	5.55	86	-7.5	14.2	15.3	Bank of America	353	5.44	84	-8.4	12.7	13.8	Freedom Mortgage	31	5.83	110	-6.8	17.7	18.8
25	New Residential	387	6.23	149	-10.8	13.0	14.4	Quicken	140	3.21	48	-10.3	12.8	14.2	Bank of America	367	5.16	82	-7.7	12.7	13.7
26	First Bank	28	2.39	40	-15.2	8.0	9.3	Santander Bank	33	5.27	113	-10.6	12.9	14.4	Johnson Bank	13	5.02	64	-8.0	16.4	17.7
27	Santander Bank	32	5.44	114	-15.4	14.4	16.8	Gateway Mortgage	44	5.01	16	-10.8	6.8	7.6	Citi	55	5.96	199	-8.9	12.8	13.9
28	American Internet Mortgage	7	5.01	70	-17.2	12.5	14.9	New Residential	396	6.07	148	-12.4	11.9	13.5	Quicken	145	3.13	45	-9.5	13.2	14.5
29	Gateway Mortgage	41	5.02	17	-17.9	5.2	6.3	loanDepot.com	467	2.80	24	-14.4	8.4	9.8	Santander Bank	34	4.97	109	-10.8	13.9	15.4
30	loanDepot.com	464	2.83	26	-19.9	9.5	11.8	PHH Mortgage	55	6.60	205	-16.7	13.3	15.8	loanDepot.com	471	2.75	22	-11.0	8.2	9.2
31	Smaller Servicers	575	5.48	75	-20.0	11.9	14.7	PennyMac	117	4.71	26	-17.1	7.9	9.4	Caliber Home Loans	29	5.04	50	-11.5	13.3	14.9
32	PHH Mortgage	54	6.81	206	-23.1	13.0	16.5	Fifth Third	51	5.84	141	-19.8	12.2	15.0	Specialized Loan Servicing	14	5.33	140	-14.3	14.9	17.2
33	Freedom Mortgage	29	6.44	115	-24.7	16.7	21.6	Johnson Bank	13	5.27	67	-20.9	15.3	18.9	Gateway Mortgage	58	5.00	12	-15.4	5.4	6.4
34	Cape Cod Five Cents Bank	8	6.52	118	-27.3	13.2	17.8	American Internet Mortgage	7	4.92	68	-33.3	8.5	12.4	Umpqua	15	2.75	35	-17.0	8.2	9.9
35	CMG Mortgage	21	4.44	22	-45.3	3.2	5.9	Cape Cod Five Cents Bank	8	6.43	117	-34.0	10.8	15.9	PHH Mortgage	59	6.06	201	-21.3	12.1	15.1
36	PennyMac	116	4.74	28	-49.4	4.7	9.0	Umpqua	15	2.84	39	-43.5	5.4	9.3	Onslow Bay Financial	121	2.30	33	-22.4	6.3	8.1
37	Movement Mortgage	24	5.61	18	-79.4	1.1	5.4	CMG Mortgage	23	4.46	20	-60.1	2.3	5.7	PennyMac	117	4.65	24	-23.7	8.3	10.7
38	Specialized Loan Servicing	4	5.73	120	-93.0	1.0	13.4	Specialized Loan Servicing	10	5.80	139	-72.7	3.6	12.7	Fifth Third	53	5.46	139	-28.0	10.8	14.6
39	Amerisave Mortgage	41	4.65	15	-94.0	0.6	9.4	Movement Mortgage	28	5.62	16	-86.5	0.8	5.8	CMG Mortgage	24	4.48	17	-34.3	6.3	9.5
40	Umpqua	15	2.85	40	-94.5	0.5	8.7	Amerisave Mortgage	41	4.63	14	-91.6	0.8	9.0	Movement Mortgage	38	5.56	13	-44.4	4.4	7.9
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Source: Fannie Mae, Freddie Mac, Santander US Capital Markets

GSE: Hybrid 7/1 and 7/6

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		\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref
1	American Internet Mortgage	14	4.45	70	133.7	30.3	14.2	American Internet Mortgage	14	4.38	70	82.5	23.9	13.9	Gateway Mortgage	1	3.75	23	280.3	38.9	12.0
2	Specialized Loan Servicing	12	5.26	89	92.5	32.6	18.4	First Bank	33	2.29	36	63.6	11.6	7.3	Arvest Mortgage	41	5.27	24	23.2	13.2	10.8
3	First Bank	32	2.29	37	82.4	16.5	9.4	Arvest Mortgage	51	5.59	21	26.8	14.1	11.3	Fifth Third	85	4.84	75	18.8	14.3	12.2
4	Johnson Bank	36	4.74	36	26.0	11.6	9.3	Guaranteed Rate	208	6.26	2	20.5	12.9	10.8	Truist Bank	136	5.27	64	13.2	18.4	16.4
5	Arvest Mortgage	56	5.74	20	21.5	15.2	12.7	Truist Bank	132	5.52	66	15.5	19.4	17.1	American Internet Mortgage	15	4.21	69	12.3	16.7	15.0
6	Guaranteed Rate	267	6.36	3	17.7	13.5	11.6	Chase	2,793	3.83	47	13.4	12.6	11.2	Chase	2,874	3.73	44	9.4	11.7	10.8
7	Truist Bank	130	5.63	67	17.6	22.0	19.0	Freedom Mortgage	80	5.85	96	10.3	25.6	23.5	Matrix Financial	269	4.61	31	9.2	12.2	11.2
8	Freedom Mortgage	76	6.11	98	16.6	33.2	29.2	Matrix Financial	283	4.84	30	6.7	12.1	11.4	Wells Fargo	3,160	4.64	45	8.2	12.0	11.1
9	Chase	2,750	3.88	48	13.4	14.7	13.1	United Shore (Sold)	285	5.00	25	5.6	8.0	7.6	Freedom Mortgage	85	5.37	93	6.8	22.8	21.5
10	United Shore (Sold)	281	5.00	27	11.3	9.7	8.8	Wells Fargo	3,019	4.75	47	4.7	11.6	11.1	Specialized Loan Servicing	32	4.87	89	6.2	17.6	16.7
11	CrossCountry Mortgage	68	4.22	23	11.2	11.6	10.5	U.S. Bank	448	5.86	34	3.8	15.7	15.1	Guaranteed Rate	181	5.80	4	3.3	9.6	9.3
12	U.S. Bank	514	6.00	30	9.7	17.9	16.4	Bank of America	658	5.62	79	1.5	18.1	17.9	Old National Bank	30	3.57	28	3.2	9.4	9.1
13	CMG Mortgage	262	5.27	18	6.6	8.9	8.4	Flagstar	93	5.11	19	1.3	11.4	11.2	Santander Bank	45	4.66	81	2.2	17.5	17.1
14	Amerisave Mortgage	20	5.30	12	5.8	7.7	7.3	Fifth Third	82	5.05	76	-2.2	12.7	12.9	PNC Mortgage	539	3.85	44	2.1	10.8	10.5
15	Wells Fargo	2,911	4.76	47	4.3	12.5	12.0	PNC Mortgage	539	4.04	45	-2.7	11.1	11.4	United Shore (Sold)	290	4.97	22	1.1	7.0	6.9
16	Royal Business Bank	118	5.15	75	4.0	14.2	13.7	PennyMac	1,031	5.25	12	-2.9	6.1	6.3	CrossCountry Mortgage	64	3.96	21	-0.1	9.3	9.3
17	Flagstar	91	5.10	20	3.0	12.9	12.6	Royal Business Bank	121	5.10	74	-3.3	13.8	14.3	Quicken	1,367	3.59	26	-0.7	8.7	8.8
18	Matrix Financial	303	4.98	28	2.8	11.9	11.6	Quicken	1,407	3.78	27	-3.8	8.8	9.1	Royal Business Bank	126	4.96	71	-0.9	13.2	13.4
19	Smaller Servicers	938	5.21	40	1.8	13.1	12.9	CMG Mortgage	267	5.27	16	-5.0	6.3	6.7	U.S. Bank	337	5.46	45	-1.6	14.8	15.0
20	PennyMac	1,171	5.28	12	0.9	6.8	6.7	Lakeview	2,220	4.40	21	-5.5	6.4	6.8	First Bank	34	2.29	33	-3.2	7.8	8.1
21	Bank of America	642	5.77	80	-2.2	19.0	19.4	CrossCountry Mortgage	68	4.18	22	-5.9	9.4	10.0	Johnson Bank	37	4.70	32	-3.5	10.5	10.8
22	loanDepot.com	1,526	2.87	28	-7.3	8.3	9.0	Smaller Servicers	910	5.13	39	-6.8	10.7	11.5	Smaller Servicers	855	4.87	43	-4.4	10.8	11.3
23	Nationstar	866	5.49	54	-7.6	11.2	12.1	Nationstar	819	5.39	54	-7.5	9.5	10.3	loanDepot.com	1,553	2.84	23	-5.0	6.4	6.7
24	New Residential	870	5.71	71	-7.7	14.6	15.8	New Residential	885	5.62	70	-9.2	12.5	13.7	Caliber Home Loans	150	4.80	38	-6.2	10.3	10.9
25	Quicken	1,452	3.91	27	-8.7	9.8	10.7	loanDepot.com	1,535	2.86	26	-9.6	6.5	7.2	Nationstar	726	5.16	53	-6.7	9.3	10.0
26	Lakeview	2,338	4.47	21	-10.1	6.9	7.7	United Shore (Retained)	528	3.55	23	-9.8	6.8	7.5	Provident Funding	60	5.53	120	-7.0	16.4	17.5
27	Santander Bank	42	5.11	86	-10.2	18.4	20.2	Specialized Loan Servicing	25	5.21	91	-9.9	12.8	14.2	Bank of America	688	5.24	77	-7.1	16.7	17.9
28	United Shore (Retained)	530	3.60	24	-11.0	7.8	8.7	Amerisave Mortgage	20	5.29	11	-15.9	6.6	7.8	New Residential	732	5.51	74	-7.9	12.8	13.9
29	Fifth Third	80	5.13	77	-12.7	13.6	15.5	Johnson Bank	36	4.75	35	-16.2	9.5	11.3	Lakeview	1,988	4.25	20	-8.3	5.9	6.4
30	PNC Mortgage	538	4.12	46	-13.4	11.5	13.1	Santander Bank	43	4.97	84	-21.1	14.2	17.7	CMG Mortgage	273	5.27	13	-8.9	6.2	6.7
31	Citizens Bank	119	5.66	47	-23.4	11.9	15.3	Provident Funding	61	5.82	123	-22.6	13.4	17.0	PennyMac	841	5.20	13	-10.7	5.5	6.1
32	Umpqua	25	4.71	69	-24.3	17.8	22.9	Citizens Bank	120	5.55	46	-24.1	9.9	12.9	United Shore (Retained)	528	3.50	21	-12.8	6.0	6.8
33	Citi	128	4.93	74	-27.7	10.0	13.6	Onslow Bay Financial	354	2.45	31	-24.7	5.2	6.8	Citizens Bank	110	5.13	50	-13.2	11.0	12.6
34	Onslow Bay Financial	350	2.45	33	-28.8	5.8	8.1	Citi	128	4.80	73	-26.6	9.3	12.5	Flagstar	94	5.10	16	-15.5	8.4	9.8
35	Provident Funding	60	5.98	125	-30.3	13.6	18.9	Cape Cod Five Cents Bank	25	5.01	87	-27.8	14.2	19.2	Onslow Bay Financial	360	2.44	28	-17.6	5.1	6.2
36	Old National Bank	30	3.61	32	-48.6	4.8	9.1	PHH Mortgage	12	5.67	132	-46.3	10.1	18.1	PHH Mortgage	15	5.13	129	-19.6	14.0	17.1
37	Cape Cod Five Cents Bank	25	5.34	90	-57.5	8.1	18.2	Umpqua	25	4.54	68	-46.5	10.8	19.3	Umpqua	26	4.26	65	-20.5	14.9	18.4
38	PHH Mortgage	12	5.95	134	-71.7	7.3	23.5	Old National Bank	30	3.60	31	-60.9	3.3	8.3	Citi	132	4.63	76	-27.7	9.0	12.2
39	Movement Mortgage	15	5.49	20	-93.5	0.7	10.7	Gateway Mortgage	1	5.07	15	-86.3	1.3	9.0	Cape Cod Five Cents Bank	26	4.53	81	-36.1	11.0	16.7
40	Gateway Mortgage	1	5.80	10	-96.0	0.6	14.8	Movement Mortgage	17	5.51	18	-93.1	0.5	7.0	Amerisave Mortgage	18	5.24	9	-44.6	4.1	7.3
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Highlighted row is the servicer closest to their comparison speed
Data is sorted on the contents of the highlighted column

Source: Fannie Mae, Freddie Mac, Santander US Capital Markets

GSE: Hybrid 10/1 and 10/6

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Rank	Servicer	3M Historical Horizon						6M Historical Horizon						12M Historical Horizon							
		\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref
1	Cape Cod Five Cents Bank	30	2.94	41	122.9	11.9	5.5	Cape Cod Five Cents Bank	30	2.94	39	90.2	9.1	4.9	Gateway Mortgage	1	4.52	22	812.6	34.2	4.4
2	Citizens Bank	39	3.96	31	75.9	12.0	7.0	Johnson Bank	11	5.02	28	75.9	16.0	9.4	Cape Cod Five Cents Bank	31	2.93	36	95.8	10.7	5.6
3	Johnson Bank	11	5.01	30	60.8	19.7	12.7	Arvest Mortgage	28	4.36	34	58.4	13.2	8.5	Movement Mortgage	6	3.12	22	33.7	6.8	5.1
4	Provident Funding	14	3.64	54	45.7	18.5	13.1	Citizens Bank	39	3.94	30	39.7	9.1	6.6	Specialized Loan Servicing	47	3.43	54	28.6	10.4	8.2
5	Santander Bank	45	3.90	77	43.9	17.3	12.3	Provident Funding	14	3.63	53	39.6	11.6	8.5	Arvest Mortgage	25	4.01	36	20.3	11.2	9.4
6	Truist Bank	45	3.54	78	42.9	15.3	11.0	Truist Bank	46	3.53	76	24.3	13.3	10.8	PennyMac	88	4.69	18	17.5	7.3	6.2
7	Freedom Mortgage	17	3.58	64	23.3	17.1	14.1	Flagstar	75	5.62	19	21.1	12.3	10.3	Citizens Bank	39	3.80	29	14.3	9.4	8.3
8	Flagstar	74	5.64	21	15.0	14.1	12.3	United Shore (Retained)	355	3.86	23	15.6	8.8	7.7	CrossCountry Mortgage	84	2.83	30	13.7	6.8	6.0
9	United Shore (Retained)	350	3.85	24	12.8	11.7	10.4	PNC Mortgage	185	3.22	47	10.5	9.9	9.0	Truist Bank	47	3.50	73	11.7	12.3	11.1
10	Chase	2,052	3.22	39	11.3	8.9	8.0	CrossCountry Mortgage	83	2.83	33	8.1	7.5	7.0	Amerisave Mortgage	11	5.54	6	8.6	7.7	7.1
11	PennyMac	90	4.82	21	4.8	9.8	9.3	Chase	2,071	3.21	38	5.8	7.4	7.0	Wells Fargo	1,647	4.43	44	7.7	11.0	10.3
12	Wells Fargo	1,607	4.59	46	4.6	12.6	12.1	loanDepot.com	1,188	2.47	30	5.5	5.5	5.2	Provident Funding	9	3.63	51	7.5	9.8	9.1
13	Fifth Third	51	3.98	45	3.6	16.5	15.9	Wells Fargo	1,627	4.55	45	5.3	11.3	10.7	United Shore (Retained)	362	3.87	20	7.2	6.8	6.4
14	Arvest Mortgage	28	4.42	35	2.3	7.5	7.4	CMG Mortgage	1,887	5.32	11	4.1	5.2	5.0	Santander Bank	47	3.76	73	6.5	11.9	11.2
15	CMG Mortgage	1,892	5.31	12	2.0	6.2	6.1	Amerisave Mortgage	13	5.61	8	1.3	8.3	8.2	First Bank	17	2.55	37	6.3	8.1	7.7
16	American Internet Mortgage	42	3.19	50	0.6	7.9	7.9	Nationstar	286	4.60	44	-0.0	8.5	8.5	PNC Mortgage	188	3.21	44	6.0	8.1	7.7
17	loanDepot.com	1,177	2.47	32	0.6	6.8	6.7	PennyMac	89	4.76	20	-2.0	7.0	7.2	Johnson Bank	11	5.01	25	5.1	8.5	8.1
18	PNC Mortgage	182	3.23	48	0.2	7.5	7.5	Guaranteed Rate	19	6.62	3	-3.7	10.3	10.7	CMG Mortgage	1,853	5.33	8	4.3	5.2	5.0
19	Lakeview	411	3.44	26	-0.3	5.4	5.4	Matrix Financial	98	3.40	47	-4.7	9.4	9.9	loanDepot.com	1,209	2.47	27	3.4	5.1	5.0
20	Bank of America	292	4.36	75	-0.8	12.5	12.6	Bank of America	297	4.35	74	-6.1	9.9	10.5	Flagstar	76	5.63	16	3.3	9.3	9.0
21	Umpqua	31	3.15	55	-3.0	7.0	7.2	Santander Bank	46	3.83	76	-6.8	10.4	11.1	Chase	2,111	3.20	35	2.7	7.0	6.8
22	Guaranteed Rate	25	6.67	4	-3.1	13.8	14.2	Quicken	223	3.10	47	-7.9	8.0	8.7	Quicken	229	3.06	44	0.4	8.8	8.8
23	U.S. Bank	44	3.40	50	-4.8	6.3	6.6	Specialized Loan Servicing	36	3.47	57	-8.5	8.4	9.1	Nationstar	300	4.30	39	-1.2	7.1	7.1
24	Nationstar	294	4.65	45	-9.3	8.9	9.7	American Internet Mortgage	43	3.18	48	-9.0	7.1	7.8	Matrix Financial	100	3.40	44	-6.3	9.4	10.0
25	Matrix Financial	96	3.40	48	-9.8	10.6	11.7	Fifth Third	51	3.98	44	-9.6	11.1	12.2	Umpqua	32	3.14	50	-9.2	6.9	7.6
26	CrossCountry Mortgage	82	2.80	35	-10.7	8.6	9.5	Freedom Mortgage	17	3.59	63	-13.1	9.7	11.1	Fifth Third	53	3.96	41	-9.5	10.6	11.7
27	Amerisave Mortgage	13	5.61	9	-13.4	5.4	6.2	Lakeview	402	3.39	24	-16.0	3.6	4.2	New Residential	388	4.85	41	-11.0	8.6	9.6
28	Quicken	220	3.11	48	-18.1	8.9	10.8	New Residential	477	4.77	41	-17.7	7.5	9.1	Smaller Servicers	637	3.47	43	-11.7	6.9	7.8
29	New Residential	471	4.78	42	-19.0	9.0	11.0	Smaller Servicers	608	3.55	47	-20.3	6.7	8.4	Bank of America	306	4.31	72	-11.9	10.2	11.5
30	Smaller Servicers	628	3.59	48	-25.3	6.9	9.2	U.S. Bank	45	3.40	49	-27.9	4.2	5.8	American Internet Mortgage	44	3.17	46	-21.5	6.5	8.3
31	Citi	137	4.91	41	-36.5	4.4	6.8	Umpqua	31	3.15	54	-34.8	3.9	5.9	Lakeview	304	3.33	24	-23.4	3.4	4.4
32	Old National Bank	14	2.86	39	-41.6	6.2	10.4	Citi	138	4.89	40	-40.2	3.3	5.5	Guaranteed Rate	27	5.50	7	-24.1	7.9	10.3
33	PHH Mortgage	25	3.94	82	-48.6	5.5	10.4	PHH Mortgage	26	3.93	80	-49.9	4.6	8.9	U.S. Bank	45	3.36	47	-24.5	4.5	5.9
34	Onslow Bay Financial	141	2.51	31	-66.1	2.1	6.0	Old National Bank	14	2.86	37	-50.8	3.5	7.1	Citi	133	4.75	40	-25.4	4.9	6.5
35	Specialized Loan Servicing	18	3.45	57	-92.0	0.5	5.9	Onslow Bay Financial	142	2.51	29	-72.4	1.3	4.5	Freedom Mortgage	18	3.57	60	-34.2	6.5	9.7
36	First Bank	16	2.55	42	-95.0	0.5	9.0	United Shore (Sold)	12	4.99	28	-94.3	0.4	6.7	PHH Mortgage	30	3.88	76	-36.4	7.8	12.0
37	United Shore (Sold)	12	4.99	29	-96.0	0.4	8.8	First Bank	16	2.55	40	-94.4	0.5	8.5	United Shore (Sold)	13	4.99	25	-48.7	6.1	11.6
38	Gateway Mortgage	1	4.84	28	-97.6	0.0	0.3	Gateway Mortgage	1	4.82	25	-96.8	0.0	0.2	Old National Bank	14	2.86	35	-49.5	3.9	7.5
39	Movement Mortgage	4	2.82	30	-98.0	0.1	7.1	Movement Mortgage	4	3.04	27	-97.7	0.1	5.7	Caliber Home Loans	95	4.25	24	-51.3	2.6	5.2
40															Onslow Bay Financial	143	2.51	26	-59.8	1.7	4.3

Highlighted row is the servicer closest to their comparison speed
Data is sorted on the contents of the highlighted column

Ginnie Mae: Fixed 30yr

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Rank	3M Historical Horizon							6M Historical Horizon							12M Historical Horizon						
	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref
1	Village Capital	17,564	6.08	14	55.1	18.3	12.2	Village Capital	16,432	6.05	14	69.8	20.8	12.8	Village Capital	15,059	5.74	15	70.2	16.0	9.7
2	Quicken	110,239	3.92	35	26.6	9.1	7.3	Quicken	109,616	3.88	34	27.9	8.4	6.6	Quicken	108,550	3.78	32	26.0	7.9	6.3
3	loanDepot.com	37,272	3.82	31	23.5	8.9	7.2	loanDepot.com	38,355	3.83	29	19.3	7.9	6.6	MidFirst Bank	11,654	4.44	102	20.1	9.2	7.7
4	CrossCountry Mortgage	22,543	4.36	27	11.3	9.0	8.2	United Shore (Retained)	60,692	5.53	13	15.6	7.5	6.6	loanDepot.com	38,349	3.76	27	16.6	7.1	6.1
5	United Shore (Sold)	57,849	3.60	33	10.2	8.4	7.7	Freedom Mortgage	299,279	3.52	40	12.4	7.3	6.6	United Shore (Retained)	56,765	5.37	12	14.7	6.2	5.4
6	Freedom Mortgage	303,531	3.58	40	9.2	7.7	7.0	MidFirst Bank	11,283	4.42	105	11.0	8.2	7.4	Freedom Mortgage	290,560	3.41	38	11.3	7.1	6.4
7	MidFirst Bank	11,119	4.42	107	7.1	8.4	7.9	United Shore (Sold)	51,920	3.31	34	6.3	6.8	6.4	Amerisave Mortgage	7,495	3.88	23	11.3	7.1	6.4
8	United Shore (Retained)	58,963	5.55	13	6.3	6.5	6.1	Sun West	10,459	3.55	37	6.2	6.9	6.5	Chase	9,966	4.45	122	5.7	7.0	6.6
9	Amerisave Mortgage	7,420	3.93	27	6.2	8.2	7.7	Mortgage Research Center	29,336	4.28	27	5.7	13.4	12.7	Nationstar	124,675	3.83	54	4.6	7.3	7.0
10	Carrington	93,985	3.81	56	3.2	7.6	7.3	Amerisave Mortgage	7,470	3.92	26	4.1	7.3	7.0	CrossCountry Mortgage	21,570	4.16	25	3.6	7.1	6.8
11	Chase	9,999	4.53	121	2.4	7.3	7.1	CrossCountry Mortgage	22,232	4.30	27	3.6	8.1	7.9	Sun West	10,395	3.48	35	2.7	6.3	6.2
12	CMG Mortgage	20,173	4.28	30	2.1	7.7	7.6	Nationstar	124,306	3.88	56	2.7	7.3	7.1	Carrington	90,381	3.74	55	2.5	6.9	6.7
13	Nationstar	123,882	3.90	57	1.0	7.7	7.6	Carrington	94,205	3.81	55	2.3	7.0	6.8	United Shore (Sold)	48,611	3.14	33	1.8	6.0	5.9
14	PennyMac	278,074	4.00	39	1.0	7.5	7.4	Chase	10,001	4.50	121	1.9	6.9	6.7	PennyMac	270,726	3.86	37	1.1	6.5	6.4
15	Truist Bank	20,188	4.04	77	0.9	7.9	7.8	PennyMac	276,138	3.96	39	1.9	6.9	6.8	Mortgage Research Center	28,513	4.15	25	-0.6	10.2	10.3
16	Cardinal Financial	8,536	5.22	20	0.2	8.3	8.3	CMG Mortgage	19,882	4.22	29	-2.0	7.2	7.4	CMG Mortgage	19,554	4.13	27	-0.7	6.5	6.5
17	AmeriHome Mortgage	24,054	6.44	10	0.2	9.1	9.0	Lakeview	284,698	3.99	47	-2.3	6.9	7.1	Cardinal Financial	8,982	4.89	19	-1.6	6.7	6.8
18	Lakeview	290,613	4.04	47	-0.8	7.7	7.7	Truist Bank	20,222	4.02	76	-3.5	6.9	7.1	Lakeview	279,329	3.90	45	-2.9	6.6	6.8
19	The Money Source	22,437	3.82	49	-2.4	7.5	7.6	The Money Source	22,445	3.79	48	-5.6	6.6	7.0	The Money Source	22,194	3.72	46	-4.0	6.6	6.8
20	Mortgage Research Center	30,055	4.35	27	-4.2	10.8	11.2	Planet Home Lending	70,494	4.39	27	-5.8	7.1	7.5	Truist Bank	20,156	3.95	75	-5.3	6.7	7.1
21	Flagstar	11,894	4.86	32	-4.5	8.2	8.6	New American Funding	20,909	4.31	31	-6.8	6.9	7.3	Wells Fargo	98,190	3.91	107	-5.7	6.6	7.0
22	Colorado HFA	8,413	4.67	34	-5.7	6.7	7.1	PNC Mortgage	6,224	4.20	107	-6.9	6.8	7.3	Planet Home Lending	66,542	4.28	26	-5.8	6.2	6.5
23	Wells Fargo	93,953	3.91	110	-5.9	7.0	7.4	Wells Fargo	95,152	3.91	109	-6.9	6.3	6.8	Colorado HFA	8,178	4.52	31	-6.1	5.7	6.1
24	Citizens Bank	13,783	3.76	48	-6.2	7.1	7.5	Cardinal Financial	8,390	5.19	19	-7.1	7.7	8.3	New American Funding	20,312	4.18	29	-7.1	6.3	6.8
25	Sun West	10,521	3.60	38	-6.2	6.5	6.9	AmeriHome Mortgage	22,714	6.44	9	-8.1	8.4	9.1	NewRez	125,203	3.84	35	-8.7	6.1	6.7
26	PHH Mortgage	20,221	5.05	46	-6.3	7.0	7.4	M&T Bank	26,815	3.49	45	-8.3	5.6	6.1	PNC Mortgage	6,329	4.18	105	-9.1	6.8	7.4
27	Planet Home Lending	71,566	4.43	28	-7.2	7.1	7.6	Colorado HFA	8,345	4.62	33	-9.0	6.2	6.8	M&T Bank	25,657	3.49	44	-9.5	5.5	6.0
28	M&T Bank	26,582	3.49	47	-7.3	6.4	6.9	NewRez	127,446	3.94	36	-9.2	6.6	7.2	Smaller Servicers	218,785	4.31	39	-10.0	6.4	7.0
29	Smaller Servicers	216,331	4.46	41	-8.9	7.5	8.2	Citizens Bank	13,862	3.74	47	-9.6	6.1	6.8	AmeriHome Mortgage	23,167	6.00	10	-10.0	6.1	6.8
30	PNC Mortgage	6,167	4.21	108	-9.0	7.2	7.9	Flagstar	12,755	4.88	31	-11.5	7.4	8.3	Citizens Bank	13,917	3.70	44	-10.5	5.9	6.5
31	NewRez	128,953	3.99	37	-9.1	7.0	7.7	Smaller Servicers	216,404	4.42	41	-12.4	6.8	7.8	PHH Mortgage	17,925	4.87	49	-11.0	5.7	6.4
32	New American Funding	21,196	4.36	32	-9.6	7.1	7.8	PHH Mortgage	19,519	5.00	47	-12.8	6.2	7.1	Flagstar	13,337	4.84	29	-12.7	6.2	7.1
33	Movement Mortgage	21,508	4.57	24	-12.8	7.6	8.7	Movement Mortgage	21,357	4.52	23	-19.3	6.6	8.2	BSI Financial	8,955	4.04	35	-15.3	6.4	7.5
34	BSI Financial	9,442	4.19	37	-18.6	7.2	8.8	BSI Financial	9,222	4.15	36	-20.2	6.6	8.2	U.S. Bank	56,081	4.31	54	-16.4	5.7	6.7
35	U.S. Bank	56,908	4.41	56	-21.8	5.9	7.5	U.S. Bank	56,781	4.38	55	-20.4	5.7	7.1	Fifth Third	6,107	4.22	84	-17.3	5.9	7.1
36	Guild Mortgage	25,065	4.18	39	-22.0	6.3	8.0	Fifth Third	6,171	4.29	84	-21.2	5.7	7.2	Movement Mortgage	20,595	4.38	22	-17.7	5.8	7.0
37	Navy Federal Credit Union	31,677	3.80	45	-22.9	6.5	8.3	Navy Federal Credit Union	31,025	3.73	45	-22.8	5.7	7.3	Navy Federal Credit Union	29,679	3.58	45	-20.0	5.9	7.3
38	Cornerstone Capital Bank	4,412	5.27	15	-23.9	4.9	6.4	Guild Mortgage	24,836	4.14	38	-27.1	5.6	7.6	Guild Mortgage	24,364	4.04	36	-20.7	5.6	7.0
39	Fifth Third	6,187	4.31	85	-24.1	6.0	7.8	Cornerstone Capital Bank	5,459	5.05	16	-30.2	4.4	6.2	Essex Mortgage	9,260	5.27	21	-27.8	5.6	7.7
40	Idaho HFA	18,487	4.71	36	-28.9	4.7	6.5	Idaho HFA	18,235	4.66	35	-32.0	4.3	6.2	Cornerstone Capital Bank	5,519	4.84	16	-28.0	3.9	5.4
41	Essex Mortgage	9,811	5.44	23	-35.4	5.9	9.0	Essex Mortgage	9,625	5.39	23	-35.5	6.1	9.3	Idaho HFA	17,377	4.52	34	-31.4	4.3	6.2

Highlighted row is the servicer closest to their comparison speed
Data is sorted on the contents of the highlighted column

Source: Ginnie Mae, Santander US Capital Markets

Ginnie Mae: Fixed 15yr

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Rank	Servicer	3M Historical Horizon						6M Historical Horizon						12M Historical Horizon							
		\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref
1	AmeriHome Mortgage	10	4.13	19	206.5	20.6	7.2	Cornerstone Capital Bank	1	3.72	23	378.4	22.0	5.0	AmeriHome Mortgage	9	3.99	17	58.0	10.2	6.5
2	Essex Mortgage	7	4.31	25	124.8	28.4	13.7	AmeriHome Mortgage	10	4.12	17	124.7	13.7	6.3	Cardinal Financial	101	2.76	33	52.1	12.1	8.1
3	United Shore (Sold)	161	2.95	39	32.8	12.6	9.6	Essex Mortgage	7	4.30	23	42.7	15.7	11.3	Essex Mortgage	8	4.29	20	40.3	15.8	11.5
4	loanDepot.com	723	2.77	49	20.4	11.2	9.4	New American Funding	74	2.96	41	36.8	12.5	9.3	Village Capital	21	2.63	50	20.8	11.4	9.5
5	PHH Mortgage	90	3.44	88	18.7	17.9	15.3	United Shore (Sold)	153	2.87	40	28.7	11.1	8.7	CrossCountry Mortgage	20	2.92	29	13.6	8.9	7.8
6	Planet Home Lending	134	2.91	65	12.8	12.8	11.4	Village Capital	20	2.64	53	27.6	12.0	9.6	United Shore (Sold)	148	2.82	39	12.9	9.2	8.2
7	CrossCountry Mortgage	19	2.94	33	11.1	8.3	7.5	PHH Mortgage	95	3.45	88	14.9	16.9	14.9	New American Funding	77	2.97	38	12.8	10.1	9.0
8	U.S. Bank	164	3.30	114	9.3	17.3	15.9	Movement Mortgage	32	2.75	31	14.3	9.4	8.3	loanDepot.com	797	2.82	44	12.1	9.9	8.9
9	Freedom Mortgage	1,949	2.88	59	9.1	11.6	10.7	Quicken	3,241	3.02	56	11.8	12.0	10.8	Quicken	3,419	3.02	53	11.3	11.9	10.7
10	Quicken	3,150	3.02	57	8.6	12.3	11.4	loanDepot.com	756	2.81	47	10.3	9.6	8.7	Cornerstone Capital Bank	2	3.61	21	9.2	9.8	9.0
11	Sun West	22	2.96	62	7.4	9.8	9.2	Planet Home Lending	138	2.91	65	5.8	11.0	10.4	Mortgage Research Center	117	2.56	28	6.3	9.2	8.7
12	M&T Bank	93	3.42	96	3.2	14.1	13.7	Freedom Mortgage	2,002	2.88	58	5.3	10.6	10.1	Freedom Mortgage	2,029	2.88	55	4.2	10.3	9.9
13	Cardinal Financial	93	2.76	38	3.1	8.4	8.1	Amerisave Mortgage	75	3.13	31	4.4	9.6	9.2	Nationstar	2,049	3.34	58	3.5	10.7	10.3
14	PennyMac	866	3.03	68	2.2	11.7	11.4	United Shore (Retained)	45	3.87	17	4.0	6.9	6.7	The Money Source	72	3.28	69	2.8	10.9	10.6
15	Wells Fargo	848	3.27	123	2.0	18.0	17.6	Cardinal Financial	95	2.76	36	2.9	8.3	8.1	PHH Mortgage	105	3.49	89	1.7	15.1	14.9
16	Movement Mortgage	30	2.74	33	1.3	8.8	8.7	U.S. Bank	172	3.30	113	1.6	15.8	15.6	Wells Fargo	1,075	3.29	116	1.6	16.3	16.1
17	Amerisave Mortgage	76	3.20	31	0.3	10.1	10.1	Nationstar	1,954	3.35	60	1.3	10.7	10.6	U.S. Bank	189	3.31	111	0.8	15.1	15.0
18	Truist Bank	243	3.23	89	-2.1	12.9	13.2	Truist Bank	252	3.24	88	0.8	12.7	12.7	Planet Home Lending	146	2.93	64	-0.5	10.2	10.3
19	Nationstar	1,903	3.34	61	-2.3	10.6	10.8	Wells Fargo	898	3.28	121	0.6	17.3	17.2	BSI Financial	27	3.16	50	-1.4	10.4	10.5
20	Lakeview	1,381	3.25	75	-3.7	12.1	12.5	PennyMac	892	3.03	67	0.5	11.0	10.9	PennyMac	942	3.03	65	-2.3	10.6	10.8
21	Village Capital	19	2.64	55	-5.7	9.3	9.8	MidFirst Bank	5	3.46	87	-2.5	13.9	14.3	United Shore (Retained)	56	3.73	15	-4.3	6.7	7.0
22	CMG Mortgage	51	2.94	55	-6.1	10.0	10.6	M&T Bank	96	3.41	96	-3.2	12.4	12.7	Truist Bank	269	3.24	86	-4.8	11.9	12.4
23	Navy Federal Credit Union	1,003	2.83	64	-6.2	10.0	10.6	Carrington	681	3.22	69	-5.1	10.8	11.3	Movement Mortgage	33	2.75	28	-4.8	7.9	8.3
24	New American Funding	72	2.95	43	-6.7	9.1	9.7	The Money Source	69	3.27	71	-5.4	10.5	11.0	Lakeview	1,473	3.23	74	-5.7	11.1	11.7
25	MidFirst Bank	5	3.46	88	-8.4	10.7	11.7	Lakeview	1,402	3.23	76	-6.1	11.2	11.9	Carrington	715	3.23	68	-6.7	10.5	11.3
26	Chase	162	3.45	127	-8.7	17.4	18.8	CrossCountry Mortgage	19	2.94	32	-6.8	6.8	7.3	Chase	194	3.47	125	-7.0	16.4	17.5
27	Carrington	665	3.21	70	-9.8	10.7	11.8	Chase	172	3.46	126	-7.9	17.2	18.5	Amerisave Mortgage	74	3.06	29	-9.0	7.8	8.5
28	Citizens Bank	124	3.02	59	-10.4	9.9	11.0	Mortgage Research Center	113	2.57	31	-9.1	7.9	8.7	Guild Mortgage	52	2.97	43	-11.2	7.6	8.6
29	NewRez	757	2.98	56	-13.2	9.4	10.8	CMG Mortgage	52	2.94	54	-9.9	8.6	9.5	CMG Mortgage	55	2.95	52	-11.2	8.0	9.0
30	The Money Source	67	3.27	73	-13.8	11.2	12.9	Navy Federal Credit Union	1,030	2.84	63	-12.2	9.1	10.3	Smaller Servicers	1,170	3.07	58	-13.0	9.0	10.3
31	PNC Mortgage	138	3.23	88	-16.3	11.3	13.3	NewRez	774	2.98	54	-12.4	8.5	9.7	NewRez	806	2.98	52	-13.7	8.2	9.4
32	Fifth Third	86	3.25	92	-18.0	12.3	14.8	Flagstar	72	3.82	63	-13.5	8.6	9.9	Navy Federal Credit Union	1,079	2.83	61	-14.4	8.8	10.2
33	Mortgage Research Center	112	2.58	32	-19.6	7.2	8.9	Guild Mortgage	50	2.96	46	-14.7	7.4	8.6	Fifth Third	96	3.27	90	-14.8	12.2	14.1
34	Flagstar	68	3.82	65	-20.6	8.7	10.9	Citizens Bank	127	3.02	58	-16.1	8.5	10.0	M&T Bank	102	3.40	94	-16.0	10.1	11.9
35	Smaller Servicers	1,074	3.06	61	-24.1	8.4	11.0	PNC Mortgage	143	3.24	88	-17.1	10.9	13.0	Flagstar	78	3.81	60	-16.6	8.6	10.2
36	BSI Financial	26	3.15	53	-31.2	7.7	11.0	Fifth Third	89	3.26	92	-19.3	12.0	14.7	Citizens Bank	132	3.02	55	-18.3	8.2	9.9
37	Guild Mortgage	49	2.96	47	-34.9	5.9	8.9	Smaller Servicers	1,104	3.06	60	-20.7	8.4	10.4	Sun West	23	2.97	59	-20.5	7.2	9.0
38	Cornerstone Capital Bank	1	4.24	17	-67.1	1.0	3.0	Sun West	22	2.96	61	-26.9	6.6	8.9	MidFirst Bank	6	3.46	84	-21.0	9.3	11.6
39	United Shore (Retained)	33	3.81	18	-69.3	2.0	6.2	BSI Financial	26	3.15	52	-29.4	8.5	11.8	PNC Mortgage	153	3.25	86	-22.1	10.2	12.9

Highlighted row is the servicer closest to their comparison speed
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Ginnie Mae: Fixed 40yr

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Rank	Servicer	3M Historical Horizon						6M Historical Horizon						12M Historical Horizon							
		\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref
1	United Shore (Sold)	2	3.77	22	292.0	48.0	15.1	United Shore (Sold)	2	3.44	21	290.2	28.8	8.3	United Shore (Sold)	2	3.30	19	285.5	18.7	5.2
2	Village Capital	11	7.37	8	116.5	78.5	49.6	Village Capital	11	7.37	7	129.8	63.8	35.0	Village Capital	10	7.21	5	128.7	57.7	30.8
3	Mortgage Research Center	12	5.12	13	112.9	7.3	3.5	NewRez	395	6.97	8	60.5	48.0	33.2	MidFirst Bank	152	6.63	11	63.7	57.5	40.2
4	NewRez	427	7.01	9	63.9	48.2	32.7	Guild Mortgage	43	7.12	8	51.3	46.7	33.7	NewRez	330	6.79	8	52.8	41.6	29.5
5	Guild Mortgage	47	7.15	8	52.3	46.5	33.4	Mortgage Research Center	11	4.83	13	30.9	10.4	8.1	PNC Mortgage	10	6.46	13	29.0	35.5	28.7
6	loanDepot.com	80	6.34	7	51.1	24.3	16.8	Nationstar	812	6.88	8	27.4	36.7	30.0	Mortgage Research Center	10	4.54	12	26.3	7.6	6.0
7	Nationstar	909	6.89	8	27.3	35.9	29.4	PNC Mortgage	13	6.73	13	26.9	39.5	32.5	Nationstar	647	6.78	7	26.3	28.9	23.6
8	PennyMac	1,597	6.72	8	7.4	32.5	30.7	MidFirst Bank	116	6.59	15	20.7	44.2	38.2	Guild Mortgage	36	7.01	7	9.9	35.2	32.6
9	MidFirst Bank	108	6.58	17	3.0	37.2	36.3	loanDepot.com	68	6.28	7	14.5	17.0	15.0	PennyMac	1,169	6.56	7	9.0	26.9	25.0
10	Freedom Mortgage	1,216	7.13	9	2.9	35.9	35.1	PennyMac	1,438	6.68	8	6.7	32.2	30.5	loanDepot.com	48	5.97	7	6.4	14.2	13.4
11	Quicken	111	6.84	6	1.3	27.1	26.8	Quicken	95	6.81	6	6.4	28.5	27.0	Essex Mortgage	18	6.63	9	5.9	29.1	27.7
12	PNC Mortgage	15	6.88	12	-1.0	30.2	30.4	Freedom Mortgage	1,139	7.10	8	3.5	37.1	36.0	Quicken	69	6.70	5	5.8	23.0	21.9
13	Lakeview	3,028	6.40	10	-2.0	30.9	31.4	United Shore (Retained)	182	7.07	6	2.8	29.4	28.7	Freedom Mortgage	962	6.97	8	-0.9	31.9	32.1
14	United Shore (Retained)	236	7.09	6	-4.7	26.7	27.8	CrossCountry Mortgage	52	7.06	7	-3.2	32.0	32.9	United Shore (Retained)	118	6.97	5	-3.7	24.7	25.5
15	New American Funding	49	6.84	8	-19.2	21.8	26.2	Lakeview	2,760	6.33	10	-7.0	25.9	27.6	Lakeview	2,323	6.21	9	-8.9	21.0	22.9
16	The Money Source	229	6.17	13	-21.4	23.9	29.4	AmeriHome Mortgage	206	6.88	7	-16.1	23.0	26.8	AmeriHome Mortgage	154	6.73	7	-17.8	17.9	21.3
17	Cardinal Financial	35	7.17	8	-21.4	26.4	32.4	CMG Mortgage	121	6.24	8	-19.6	20.7	25.2	CMG Mortgage	91	5.97	7	-20.4	16.8	20.7
18	Smaller Servicers	469	6.57	10	-21.7	22.5	27.8	Cardinal Financial	30	7.13	8	-20.8	26.3	32.1	The Money Source	176	5.84	12	-21.5	16.8	20.9
19	CrossCountry Mortgage	66	7.09	7	-22.0	26.0	32.1	The Money Source	215	6.09	13	-25.7	20.7	26.8	CrossCountry Mortgage	36	6.98	7	-23.2	24.6	30.9
20	CMG Mortgage	145	6.39	8	-27.4	19.0	25.2	Carrington	793	6.44	13	-27.8	16.7	22.4	Wells Fargo	200	6.11	9	-26.4	11.6	15.5
21	Carrington	884	6.53	13	-29.3	17.0	23.2	Smaller Servicers	418	6.49	10	-28.0	19.8	26.5	New American Funding	29	6.41	9	-26.8	15.9	21.2
22	Idaho HFA	45	6.39	13	-31.1	24.6	33.8	New American Funding	41	6.74	8	-28.1	19.4	26.0	Carrington	631	6.26	12	-27.9	14.0	19.0
23	Movement Mortgage	19	7.24	5	-40.3	14.9	23.8	Idaho HFA	41	6.28	13	-31.6	24.3	33.6	Cardinal Financial	23	7.02	7	-29.1	19.1	26.0
24	Sun West	16	7.04	10	-40.7	11.6	18.9	Wells Fargo	272	6.28	9	-41.8	6.6	11.1	Smaller Servicers	333	6.29	9	-33.5	15.6	22.6
25	AmeriHome Mortgage	238	6.95	7	-40.8	16.8	26.9	Amerisave Mortgage	12	7.29	6	-51.3	18.4	34.4	Idaho HFA	37	6.14	12	-44.4	18.7	31.2
26	Amerisave Mortgage	15	7.29	6	-46.5	21.8	37.1	Flagstar	68	6.35	12	-54.8	9.0	18.9	Amerisave Mortgage	8	7.23	6	-52.0	16.4	31.4
27	Wells Fargo	312	6.37	9	-52.1	5.2	10.5	Movement Mortgage	13	7.20	5	-56.4	11.4	24.5	Sun West	11	6.92	8	-56.4	7.8	17.1
28	Flagstar	80	6.51	11	-56.2	9.5	20.4	M&T Bank	1	3.53	22	-60.4	0.3	0.7	Movement Mortgage	7	7.12	5	-56.8	10.8	23.4
29	PHH Mortgage	43	6.92	10	-66.5	9.4	25.8	Essex Mortgage	18	6.69	11	-61.2	16.8	38.2	Flagstar	54	6.01	12	-60.7	7.2	17.3
30	Planet Home Lending	85	6.96	9	-77.7	7.4	29.4	PHH Mortgage	37	6.86	10	-63.6	10.7	26.9	M&T Bank	1	3.53	19	-68.9	0.2	0.6
31	BSI Financial	10	6.91	15	-78.5	6.4	26.8	Sun West	14	7.02	9	-71.2	6.6	21.2	Planet Home Lending	53	6.75	8	-71.4	7.2	23.0
32	M&T Bank	1	3.53	23	-81.7	0.1	0.8	Planet Home Lending	76	6.92	8	-76.0	7.3	27.3	PHH Mortgage	31	6.78	9	-77.3	6.9	27.3
33	Essex Mortgage	18	6.70	13	-99.9	0.1	36.7	BSI Financial	9	6.87	14	-89.0	3.5	27.9	BSI Financial	9	6.84	12	-79.1	5.5	23.7
34	U.S. Bank	0	6.87	9	-100.0	0.0	90.2	Cornerstone Capital Bank	1	3.45	21	-99.7	0.1	20.7	Cornerstone Capital Bank	1	3.39	18	-99.7	0.0	11.8
35	Cornerstone Capital Bank	0	3.58	22	-100.0	0.0	0.1	U.S. Bank	0	6.88	8	-99.9	0.1	86.2	U.S. Bank	0	6.88	8	-99.9	0.1	86.2

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Ginnie Mae: Hybrid 3/1

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Rank	Servicer	3M Historical Horizon						6M Historical Horizon						12M Historical Horizon							
		\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref
1	Fifth Third	6	4.76	156	324.1	12.4	3.1	Fifth Third	6	4.67	154	133.5	7.2	3.2	Fifth Third	6	4.40	152	70.5	8.0	4.8
2	Citi	3	4.33	161	108.0	29.5	15.4	United Shore (Sold)	7	4.42	75	122.4	17.3	8.2	M&T Bank	3	4.27	217	45.7	16.3	11.4
3	The Money Source	36	4.46	81	85.0	22.9	13.1	Citi	3	4.29	160	87.5	16.7	9.3	Smaller Servicers	5	4.28	170	32.3	17.0	13.1
4	M&T Bank	3	4.61	221	44.4	41.4	30.8	Smaller Servicers	5	4.69	182	61.0	29.7	19.6	PennyMac	12	4.19	167	26.0	10.5	8.4
5	PennyMac	11	4.57	171	42.9	12.7	9.1	M&T Bank	3	4.54	219	43.9	27.0	19.6	The Money Source	39	3.99	76	15.6	14.1	12.3
6	U.S. Bank	22	4.45	201	39.6	10.3	7.5	The Money Source	37	4.37	80	39.3	15.5	11.4	United Shore (Sold)	7	4.03	72	15.1	19.7	17.3
7	Ginnie Mae—360 Mortgage	3	4.37	87	38.5	46.4	36.1	PennyMac	12	4.44	170	22.7	15.7	13.0	Sun West	6	4.00	87	9.0	19.0	17.6
8	MidFirst Bank	27	4.71	234	22.5	15.7	13.0	Ginnie Mae—360 Mortgage	3	4.37	86	17.2	25.9	22.6	PHH Mortgage	125	3.96	170	4.4	8.4	8.1
9	Smaller Servicers	5	4.79	173	21.1	30.8	26.2	PHH Mortgage	121	4.30	173	10.2	9.2	8.3	Freedom Mortgage	615	4.08	134	4.1	10.2	9.9
10	RANLife	8	4.19	15	20.1	0.2	0.2	PNC Mortgage	57	4.45	226	7.8	9.7	9.0	Village Capital	220	3.84	37	2.6	17.2	16.8
11	PNC Mortgage	56	4.53	228	10.4	11.4	10.4	Village Capital	202	3.95	40	4.6	19.4	18.7	Carrington	33	4.17	181	2.0	10.6	10.4
12	Truist Bank	8	4.62	208	8.7	7.5	6.9	loanDepot.com	65	3.87	80	4.0	11.5	11.1	CrossCountry Mortgage	4	3.32	14	0.3	4.7	4.7
13	Village Capital	195	3.97	42	5.4	21.0	20.0	Click N Close.	41	4.39	110	2.1	12.2	12.0	Gateway Mortgage	0	4.17	14	0.0	0.0	0.0
14	PHH Mortgage	118	4.40	175	1.6	9.3	9.2	NewRez	388	4.41	161	1.4	11.8	11.7	CMG Mortgage	3	4.50	28	-0.0	0.4	0.4
15	loanDepot.com	62	3.92	81	0.7	15.4	15.3	Freedom Mortgage	601	4.32	138	0.9	10.3	10.2	MidFirst Bank	29	4.36	230	-0.4	9.6	9.6
16	Gateway Mortgage	1	4.53	15	0.1	0.0	0.0	Gateway Mortgage	1	4.53	14	0.0	0.1	0.1	NewRez	406	4.14	159	-0.8	11.4	11.5
17	NewRez	379	4.53	161	0.0	13.3	13.3	CrossCountry Mortgage	4	3.42	16	-0.0	8.2	8.2	loanDepot.com	69	3.64	77	-2.7	13.7	14.0
18	CrossCountry Mortgage	5	3.49	17	-0.0	14.9	14.9	CMG Mortgage	3	4.57	30	-0.0	0.4	0.4	Click N Close.	43	4.14	107	-3.4	10.6	10.9
19	CMG Mortgage	3	4.56	34	-0.0	0.4	0.4	Carrington	32	4.43	183	-0.3	11.5	11.5	Wells Fargo	32	4.13	202	-3.4	6.2	6.4
20	Freedom Mortgage	590	4.40	140	-0.1	10.8	10.8	Truist Bank	8	4.53	207	-2.8	6.3	6.4	Planet Home Lending	280	3.71	137	-5.1	9.6	10.1
21	Click N Close.	40	4.43	111	-4.7	12.5	13.1	MidFirst Bank	28	4.59	233	-3.4	10.6	11.0	U.S. Bank	24	4.07	197	-6.1	8.1	8.6
22	BSI Financial	12	4.68	80	-5.2	11.6	12.2	RANLife	6	4.10	16	-6.2	0.2	0.2	RANLife	5	3.97	15	-6.4	0.1	0.1
23	Nationstar	48	4.34	150	-10.9	13.0	14.5	Planet Home Lending	276	3.96	139	-13.2	8.6	9.8	BSI Financial	12	4.21	76	-6.7	13.4	14.3
24	Planet Home Lending	271	4.08	140	-13.0	9.0	10.3	Sun West	6	4.30	90	-13.8	22.5	25.6	Nationstar	51	4.03	146	-7.2	11.1	11.9
25	Carrington	31	4.50	185	-27.7	10.1	13.6	U.S. Bank	23	4.37	200	-16.4	6.6	7.8	PNC Mortgage	59	4.20	223	-7.2	8.0	8.6
26	Sun West	6	4.33	91	-31.0	8.6	12.2	Nationstar	49	4.29	149	-17.2	9.9	11.9	Ginnie Mae—360 Mortgage	3	4.09	83	-11.0	14.7	16.3
27	Lakeview	69	4.45	156	-39.1	7.3	11.7	Lakeview	70	4.38	155	-23.4	8.9	11.5	Citi	3	4.03	157	-16.8	9.4	11.2
28	Wells Fargo	21	4.60	207	-56.6	2.7	6.1	Wells Fargo	21	4.51	206	-35.4	4.4	6.7	Truist Bank	9	4.18	204	-18.6	8.4	10.2
29	Annie Mac	6	4.67	81	-65.2	5.6	15.3	BSI Financial	12	4.49	79	-51.6	5.9	11.9	Lakeview	72	4.12	153	-20.3	9.3	11.5
30	United Shore (Sold)	7	4.42	77	-97.2	0.2	6.2	Annie Mac	6	4.44	79	-80.3	2.8	13.4	Annie Mac	6	4.19	76	-48.7	7.8	14.7
31	Chase	0	4.25	175	-100.0	0.0	1.9	Chase	0	4.25	174	-100.0	0.0	1.9	Chase	0	3.70	170	-64.7	0.8	2.1

Highlighted row is the servicer closest to their comparison speed
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Ginnie Mae: Hybrid 5/1 and 5/6

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Rank	Servicer	3M Historical Horizon						6M Historical Horizon						12M Historical Horizon							
		\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref
1	Sun West	1	4.11	64	184.6	42.1	17.2	Smaller Servicers	11	4.86	29	201.9	3.4	1.1	Sun West	1	3.70	60	117.1	11.3	5.4
2	Click N Close.	5	4.51	133	171.4	12.2	4.6	Sun West	1	3.87	63	176.1	22.5	8.8	Click N Close.	5	4.31	129	73.9	9.8	5.7
3	HomeStreet Bank	10	4.50	106	168.8	17.6	6.9	HomeStreet Bank	10	4.42	105	89.6	13.6	7.4	Umpqua	6	2.56	34	62.7	0.4	0.3
4	Umpqua	6	2.62	39	91.8	0.7	0.4	Umpqua	6	2.60	37	82.3	0.5	0.3	HomeStreet Bank	10	4.12	102	45.1	11.6	8.1
5	Gateway Mortgage	20	5.53	11	69.0	4.9	2.9	Click N Close.	5	4.46	132	77.1	6.7	3.8	Gateway Mortgage	18	5.47	8	24.2	3.0	2.5
6	Village Capital	22	4.80	80	67.1	12.2	7.5	RANLife	7	4.18	35	57.2	6.9	4.4	Annie Mac	0	4.28	75	23.3	36.9	31.0
7	RANLife	7	4.25	36	57.5	13.4	8.7	Village Capital	23	4.62	79	41.1	18.2	13.3	Truist Bank	27	4.26	160	14.8	13.9	12.2
8	Smaller Servicers	17	5.04	21	27.0	0.4	0.3	NewRez	203	4.40	62	29.2	10.0	7.9	CMG Mortgage	10	4.01	86	13.4	24.0	21.4
9	PHH Mortgage	73	5.14	163	25.5	11.3	9.1	Gateway Mortgage	20	5.53	10	24.2	5.3	4.3	U.S. Bank	43	3.98	126	10.8	7.0	6.3
10	PNC Mortgage	20	4.62	137	23.8	14.0	11.5	Truist Bank	26	4.55	164	23.6	16.3	13.4	Village Capital	24	4.30	75	9.7	14.5	13.3
11	NewRez	200	4.45	64	22.8	12.3	10.1	CMG Mortgage	9	4.15	88	12.6	33.1	30.0	Citi	0	3.81	160	8.7	56.4	53.3
12	Truist Bank	25	4.63	165	16.9	17.7	15.4	Quicken	208	4.30	98	11.8	13.3	11.9	PNC Mortgage	21	4.22	132	8.2	9.1	8.4
13	Quicken	204	4.37	100	11.4	14.7	13.3	loanDepot.com	398	4.20	25	6.3	5.1	4.8	loanDepot.com	419	3.85	26	8.0	6.7	6.2
14	U.S. Bank	42	4.34	131	11.0	7.1	6.5	PennyMac	437	4.54	56	6.2	5.4	5.1	Carrington	151	4.10	135	7.8	8.4	7.8
15	PennyMac	465	4.62	53	7.7	5.4	5.0	PNC Mortgage	20	4.54	135	5.6	8.6	8.2	Quicken	217	4.05	95	7.6	12.9	12.0
16	CMG Mortgage	9	4.20	89	5.8	23.4	22.2	PHH Mortgage	74	4.99	161	4.6	9.6	9.2	RANLife	7	4.03	34	5.1	5.5	5.3
17	CrossCountry Mortgage	32	4.44	18	4.6	11.7	11.3	Nationstar	107	4.32	95	3.9	11.1	10.7	PennyMac	379	4.24	63	3.4	6.7	6.5
18	Wells Fargo	596	4.24	153	1.6	9.3	9.2	Wells Fargo	604	4.12	152	0.2	7.6	7.6	Nationstar	112	4.10	92	1.7	13.5	13.3
19	Guaranteed Rate	69	5.12	6	1.2	0.3	0.3	MidFirst Bank	0	6.38	221	-0.0	100.0	100.0	Wells Fargo	665	3.84	148	1.2	8.2	8.1
20	BSI Financial	3	4.71	96	-0.1	40.5	40.6	Fifth Third	9	6.54	147	-0.2	15.5	15.5	MidFirst Bank	0	5.17	218	-0.0	92.9	92.9
21	Fifth Third	9	6.68	150	-0.2	20.2	20.2	Guaranteed Rate	55	5.07	6	-0.6	0.3	0.3	NewRez	207	4.26	60	-1.0	8.1	8.2
22	Freedom Mortgage	291	4.30	124	-2.0	9.8	10.0	CrossCountry Mortgage	32	4.43	17	-1.5	6.1	6.2	Freedom Mortgage	260	4.03	117	-1.9	8.6	8.7
23	Lakeview	541	3.93	69	-6.1	9.1	9.6	Freedom Mortgage	295	4.21	122	-2.7	8.0	8.2	The Money Source	16	4.29	77	-2.5	15.9	16.3
24	Nationstar	105	4.40	97	-6.3	10.1	10.8	BSI Financial	3	4.51	94	-4.7	22.8	23.8	M&T Bank	37	3.98	80	-3.8	6.8	7.1
25	loanDepot.com	310	4.76	22	-12.6	3.9	4.4	Lakeview	402	4.06	84	-13.0	7.7	8.9	Smaller Servicers	10	4.50	40	-3.9	4.1	4.3
26	Carrington	150	4.48	134	-16.3	6.4	7.6	Amerisave Mortgage	86	3.39	23	-13.7	8.4	9.7	BSI Financial	3	4.25	91	-4.8	12.6	13.2
27	Amerisave Mortgage	85	3.39	24	-16.3	12.8	15.1	Carrington	152	4.37	132	-13.8	6.2	7.1	CrossCountry Mortgage	32	4.42	14	-4.9	5.9	6.2
28	M&T Bank	36	4.25	85	-42.4	3.7	6.4	U.S. Bank	42	4.24	129	-14.5	4.9	5.7	Lakeview	338	3.98	95	-8.3	8.4	9.1
29	The Money Source	16	4.56	78	-56.7	9.4	20.5	Prime Lending (Plains Capital)	5	4.04	56	-36.0	5.4	8.3	PHH Mortgage	77	4.52	158	-10.1	9.3	10.3
30	Flagstar	10	4.90	64	-60.5	4.7	11.4	Planet Home Lending	16	4.38	105	-39.3	2.7	4.4	Fifth Third	10	5.90	145	-10.2	13.6	15.0
31	BOK Financial	3	4.52	94	-78.3	1.8	7.9	Flagstar	12	4.72	65	-40.6	6.1	10.1	Planet Home Lending	16	4.12	102	-10.7	6.8	7.5
32	Planet Home Lending	16	4.45	106	-83.7	0.7	4.2	The Money Source	16	4.48	76	-50.2	7.5	14.5	Amerisave Mortgage	87	3.38	20	-15.7	7.3	8.6
33	Movement Mortgage	53	3.49	24	-84.1	0.3	1.9	M&T Bank	37	4.18	83	-51.6	2.1	4.4	Prime Lending (Plains Capital)	5	3.97	52	-24.0	5.3	6.9
34	New American Funding	11	4.61	94	-89.9	0.9	8.7	BOK Financial	3	4.50	92	-72.1	1.5	5.1	Chase	2	3.84	155	-30.5	7.1	10.0
35	United Shore (Sold)	8	4.74	86	-92.5	0.3	4.5	Chase	2	4.21	158	-81.3	2.7	13.6	United Shore (Sold)	8	4.39	82	-33.9	12.4	18.2
36	Chase	2	4.21	159	-93.5	1.5	20.2	Movement Mortgage	60	3.51	23	-87.0	0.3	2.5	Guaranteed Rate	43	4.95	7	-36.9	0.3	0.4
37	Annie Mac	0	4.75	81	-97.9	0.3	13.2	New American Funding	11	4.52	93	-90.1	0.8	7.8	Flagstar	14	4.42	62	-37.0	9.0	13.9
38	Prime Lending (Plains Capital)	5	4.10	54	-99.2	0.1	13.3	United Shore (Sold)	8	4.68	85	-97.5	0.4	16.3	Movement Mortgage	63	3.48	20	-38.9	2.5	4.1
39	Ginnie Mae—360 Mortgage	1	4.43	71	-100.0	0.0	0.0	Annie Mac	0	4.61	79	-98.9	0.5	37.0	New American Funding	11	4.26	90	-88.4	0.8	6.4
40	Citi	0	4.26	164	-100.0	0.0	12.2	Ginnie Mae—360 Mortgage	1	4.43	70	-100.0	0.0	0.1	BOK Financial	3	4.26	89	-88.8	1.0	8.5
41								Citi	0	4.25	163	-100.0	0.0	7.2	Ginnie Mae—360 Mortgage	1	4.32	66	-100.0	0.0	9.6

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Source: Ginnie Mae, Santander US Capital Markets

Ginnie Mae: Hybrid 7/1 and 7/6

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Rank	Servicer	3M Historical Horizon						Servicer	6M Historical Horizon						Servicer	12M Historical Horizon					
		\$mm	WAC	WALA	%ΔRef	CPR	Ref		\$mm	WAC	WALA	%ΔRef	CPR	Ref		\$mm	WAC	WALA	%ΔRef	CPR	Ref
1	Chase	1	6.15	188	110.2	15.6	7.8	Chase	1	6.07	188	104.6	8.3	4.1	Chase	2	5.77	185	25.6	27.4	22.4
2	Lakeview	10	6.52	160	0.6	6.0	5.9	Lakeview	10	6.32	158	0.1	18.3	18.3	PHH Mortgage	1	5.72	146	4.8	0.4	0.3
3	Village Capital	1	3.01	81	0.1	29.9	29.9	Village Capital	1	2.88	80	0.1	16.1	16.1	Village Capital	1	2.82	76	4.2	24.8	24.0
4	Annie Mac	1	2.75	81	-0.0	0.4	0.4	Nationstar	7	6.17	155	0.0	12.6	12.6	Lakeview	11	5.72	155	0.5	11.8	11.7
5	Freedom Mortgage	2	5.48	97	-0.0	0.1	0.1	Freedom Mortgage	2	5.12	94	-0.0	0.1	0.1	Wells Fargo	0	4.04	87	-0.0	0.5	0.5
6	Nationstar	6	6.44	157	-0.1	15.6	15.7	Annie Mac	1	2.75	80	-0.0	0.2	0.2	Freedom Mortgage	2	4.80	93	-0.0	0.2	0.2
7	PHH Mortgage	1	6.60	149	-18.3	0.2	0.3	PHH Mortgage	1	6.14	148	-9.3	0.2	0.2	Nationstar	7	5.76	152	-1.4	7.0	7.1
8	PennyMac	1	6.71	161	-20.5	0.4	0.5	PennyMac	1	6.23	159	-24.4	0.2	0.3	Annie Mac	1	2.75	77	-10.3	14.1	15.6
9	Carrington	2	6.14	161	-92.1	0.6	7.4	Carrington	2	6.08	162	-84.0	0.7	4.5	PennyMac	1	5.77	157	-14.6	0.3	0.4
10	Smaller Servicers	0	2.75	82	-100.0	0.0	0.4	Smaller Servicers	0	2.75	80	-100.0	0.0	0.2	Carrington	2	5.34	158	-88.6	0.8	6.7
11	Truist Bank	0	6.98	160	-100.0	0.0	0.5	Truist Bank	0	6.22	158	-100.0	0.0	0.2	Smaller Servicers	0	2.75	77	-100.0	0.0	0.1
12	BSI Financial	0						BSI Financial	0					Truist Bank	0	5.63	155	-100.0	0.0	0.1	
13														BSI Financial	0						

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Ginnie Mae: Project Loan

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Rank	Servicer	3M Historical Horizon						6M Historical Horizon						12M Historical Horizon							
		\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref
1	Northmarq Finance	1,310	3.13	94	594.0	4.1	0.6	Midland States Bank	1,987	3.42	128	410.4	8.7	1.8	Rose Community Capital	492	3.05	103	533.0	8.2	1.3
2	Capital One	1,317	3.16	102	434.3	4.1	0.8	Northmarq Finance	1,311	3.12	92	196.7	2.1	0.7	Keybank	4,744	3.26	109	262.4	8.1	2.3
3	Dwight Capital	8,748	3.21	88	217.1	1.1	0.3	Capital One	1,327	3.17	101	174.3	3.0	1.1	Gershman	3,556	3.16	77	228.1	1.9	0.6
4	Berkeley Point	982	3.47	107	170.4	12.0	4.6	Gershman	3,619	3.17	78	139.0	1.6	0.7	Midland States Bank	2,055	3.41	126	182.5	6.7	2.4
5	Grandbridge	2,330	3.23	105	166.6	1.5	0.6	Berkeley Point	984	3.48	107	126.7	7.1	3.2	Massachusetts HFA	1,844	3.35	97	66.3	3.1	1.9
6	Walker & Dunlop	9,588	3.38	97	134.2	1.5	0.6	Walker & Dunlop	9,572	3.37	96	120.3	2.4	1.1	Capital One	1,339	3.17	98	42.3	1.5	1.1
7	Newpoint Real Estate Capital	4,580	3.36	87	110.5	1.4	0.6	Keybank	4,684	3.32	110	102.1	2.3	1.1	Colliers Mortgage	3,585	3.13	79	35.9	1.8	1.4
8	Cambridge Realty	1,402	3.05	116	81.8	2.7	1.5	Merchants Capital	7,162	3.22	98	46.9	3.0	2.0	Berkeley Point	980	3.48	105	16.3	4.3	3.7
9	Merchants Capital	7,174	3.24	99	20.0	2.6	2.1	Cambridge Realty	1,402	3.04	115	34.8	2.8	2.1	Walker & Dunlop	9,428	3.34	95	14.9	1.9	1.6
10	Greystone	14,339	3.31	90	-0.7	0.4	0.4	Dwight Capital	8,747	3.21	87	21.5	0.5	0.4	PGIM Real Estate	5,263	3.56	115	7.5	7.4	6.9
11	PGIM Real Estate	5,098	3.53	116	-14.0	0.4	0.4	Newpoint Real Estate Capital	4,582	3.35	86	8.8	0.9	0.8	Grandbridge	2,317	3.21	102	4.3	1.3	1.2
12	Lument Real Estate Cap.	21,374	3.30	102	-15.6	0.8	0.9	Berkadia	10,771	3.32	95	-1.3	1.1	1.2	Northmarq Finance	1,310	3.10	90	4.1	1.3	1.3
13	Centennial Mortgage	1,383	3.37	118	-32.5	0.8	1.2	Grandbridge	2,321	3.22	104	-25.5	0.8	1.0	Merchants Capital	7,076	3.21	97	3.3	2.2	2.1
14	Century Health & Housing	634	3.25	102	-40.3	0.2	0.4	PGIM Real Estate	5,127	3.53	115	-32.2	0.5	0.7	Cambridge Realty	1,389	3.02	113	-1.1	2.0	2.0
15	Berkadia	10,857	3.33	95	-48.7	0.5	1.0	Greystone	14,301	3.30	89	-46.2	0.3	0.6	PNC Mortgage	2,803	3.52	107	-4.7	2.5	2.7
16	Gershman	3,610	3.17	79	-52.7	0.1	0.2	Colliers Mortgage	3,587	3.15	82	-48.0	0.5	1.0	Dwight Capital	9,022	3.18	84	-8.7	0.5	0.6
17	PNC Mortgage	2,816	3.50	109	-64.9	0.5	1.5	Lument Real Estate Cap.	21,333	3.30	101	-53.9	0.6	1.3	Newpoint Real Estate Capital	4,546	3.30	84	-18.3	1.1	1.3
18	Midland States Bank	1,960	3.42	129	-69.9	0.3	1.1	Bonneville Mortgage	850	3.99	88	-62.8	0.2	0.6	Berkadia	10,624	3.30	93	-19.8	1.2	1.6
19	Colliers Mortgage	3,589	3.15	83	-70.9	0.2	0.7	JLL	3,599	3.12	97	-66.9	0.3	0.9	Centennial Mortgage	1,351	3.31	116	-23.2	1.8	2.3
20	Smaller Servicers	1,085	3.28	90	-86.8	0.1	0.8	PNC Mortgage	2,797	3.51	108	-69.0	0.6	1.9	Davis-Penn	848	3.23	83	-32.0	0.6	0.9
21	JLL	3,593	3.13	98	-90.8	0.1	0.6	Capital Funding Group	3,272	3.50	103	-71.4	0.5	1.6	Greystone	14,117	3.25	86	-35.5	0.5	0.8
22	Harper Capital Partners	861	2.92	86	-91.7	0.0	0.1	Wells Fargo	6,433	3.11	107	-76.3	0.3	1.1	Wells Fargo	6,469	3.12	104	-36.5	1.2	1.8
23	Davis-Penn	880	3.21	84	-91.8	0.1	0.7	Centennial Mortgage	1,363	3.34	118	-79.0	0.4	1.9	Smaller Servicers	1,185	3.21	86	-45.5	0.6	1.1
24	CBRE	2,377	3.20	88	-93.4	0.0	0.3	Century Health & Housing	561	3.30	103	-79.7	0.3	1.3	Capital Funding Group	3,275	3.47	100	-55.4	1.0	2.2
25	AGM Financial	1,859	3.17	51	-93.9	0.0	0.4	Highland	1,031	3.10	70	-81.1	0.2	1.2	Lument Real Estate Cap.	21,132	3.28	99	-56.7	0.8	1.8
26	M&T Realty	2,760	3.15	97	-96.9	0.0	0.6	Smaller Servicers	1,154	3.23	88	-90.0	0.1	1.0	JLL	3,592	3.11	95	-57.6	0.4	1.0
27	Rose Community Capital	491	3.08	106	-97.1	0.0	1.0	AGM Financial	1,859	3.17	49	-90.9	0.0	0.3	Churchill Mortgage	350	4.04	65	-60.7	0.1	0.3
28	Bellwether Enterprise	1,949	3.47	85	-97.4	0.0	1.0	Davis-Penn	859	3.22	85	-93.1	0.1	0.8	First American Capital	993	3.25	95	-62.8	0.7	1.9
29	Keybank	4,704	3.35	111	-97.8	0.0	0.5	CBRE	2,381	3.20	87	-96.8	0.0	0.6	Bonneville Mortgage	831	3.98	87	-72.0	0.2	0.8
30	Arbor Agency Lending	1,323	3.47	88	-97.9	0.0	0.3	Harper Capital Partners	863	2.92	85	-96.9	0.0	0.3	Century Health & Housing	528	3.33	102	-79.2	0.3	1.3
31	Wells Fargo	6,427	3.11	108	-99.2	0.0	1.0	Rose Community Capital	484	3.05	105	-96.9	0.0	1.0	Bellwether Enterprise	1,914	3.46	82	-81.4	0.3	1.5
32	Bonneville Mortgage	857	4.00	89	-99.5	0.0	0.5	M&T Realty	2,743	3.12	96	-97.1	0.0	0.7	Highland	1,001	3.11	69	-92.9	0.1	1.7
33	Highland	1,043	3.09	70	-99.8	0.0	1.1	Bellwether Enterprise	1,946	3.47	84	-97.4	0.0	1.0	M&T Realty	2,713	3.10	94	-96.4	0.0	0.6
34	First American Capital	1,021	3.32	98	-99.8	0.0	0.8	Arbor Agency Lending	1,326	3.47	87	-97.7	0.0	0.3	AGM Financial	1,796	3.15	48	-96.7	0.0	0.8
35	Capital Funding Group	3,273	3.51	104	-99.9	0.0	1.4	First American Capital	1,014	3.30	97	-99.9	0.0	1.0	Harper Capital Partners	576	2.91	84	-97.2	0.0	0.3
36	Massachusetts HFA	1,941	3.54	98	-99.9	0.0	0.4	Massachusetts HFA	1,910	3.49	97	-100.0	0.0	0.8	Arbor Agency Lending	1,309	3.44	84	-98.6	0.0	0.5
37	Vium Capital	667	3.86	70	-100.0	0.0	0.0	Vium Capital	645	3.79	68	-100.0	0.0	0.0	CBRE	2,367	3.20	85	-98.6	0.0	1.4
38	Regions Bank	727	3.26	52	-100.0	0.0	0.2	Regions Bank	699	3.24	52	-100.0	0.0	0.1	Regions Bank	659	3.20	51	-100.0	0.0	0.2
39	Columbia National	852	3.15	79	-100.0	0.0	0.2	Churchill Mortgage	358	4.04	67	-100.0	0.0	0.2	Vium Capital	574	3.52	67	-100.0	0.0	0.1
40	Churchill Mortgage	359	4.03	68	-100.0	0.0	0.3	Columbia National	854	3.15	78	-100.0	0.0	0.5	Columbia National	857	3.15	75	-100.0	0.0	0.6
41	X-Caliber Capital	360	3.45	111	-100.0	0.0	1.1	X-Caliber Capital	361	3.45	110	-100.0	0.0	1.1	X-Caliber Capital	359	3.42	107	-100.0	0.0	1.3

Highlighted row is the servicer closest to their comparison speed
Data is sorted on the contents of the highlighted column

Source: Ginnie Mae, Santander US Capital Markets

Ginnie Mae: Fixed Rate HECM

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Rank	3M Historical Horizon							6M Historical Horizon							12M Historical Horizon						
	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref
1	Plaza Home Mortgage	5	4.43	104	75.1	8.9	5.2	Mutual Of Omaha	1	4.84	58	297.6	0.3	0.1	Mutual Of Omaha	1	4.84	55	199.5	0.2	0.1
2	PHH Mortgage	561	4.47	66	5.4	6.3	6.0	Plaza Home Mortgage	5	4.41	105	46.8	4.3	2.9	Traditional Mortgage	69	3.74	42	31.3	5.6	4.3
3	Longbridge Financial	466	3.90	45	5.3	5.1	4.9	Mortgage Assets Management	311	4.87	114	9.9	8.3	7.5	Mortgage Assets Management	377	4.88	111	7.3	8.2	7.7
4	Ginnie Mae/RMF	1,707	4.35	71	1.1	6.5	6.4	PHH Mortgage	573	4.48	65	1.6	5.8	5.7	PHH Mortgage	589	4.48	65	3.9	5.6	5.4
5	Finance of America	1,112	3.98	53	-3.2	5.8	5.9	Ginnie Mae/RMF	1,758	4.37	70	1.1	6.0	6.0	Ginnie Mae/RMF	1,859	4.40	69	0.2	6.0	6.0
6	Mortgage Assets Management	280	4.86	116	-4.5	6.3	6.5	Longbridge Financial	466	3.90	44	-0.3	4.5	4.5	Longbridge Financial	462	3.88	41	-1.6	4.4	4.4
7	Traditional Mortgage	69	3.73	45	-21.9	3.4	4.4	Finance of America	1,127	3.99	53	-3.2	5.0	5.2	Finance of America	1,158	4.01	52	-4.2	5.7	6.0
8	Mutual Of Omaha	1	4.84	59	-35.6	0.0	0.0	Traditional Mortgage	69	3.74	45	-43.5	2.0	3.5	Sun West	29	4.85	79	-50.3	2.4	4.8
9	Sun West	29	4.86	83	-56.5	1.8	4.0	Sun West	29	4.85	82	-52.9	2.4	5.1	Plaza Home Mortgage	7	4.43	104	-64.1	1.7	4.7
10	The Money Source	8	4.99	89	-91.2	0.2	1.8	The Money Source	8	4.99	87	-95.4	0.1	3.1	The Money Source	9	4.98	84	-70.6	1.6	5.3

Highlighted row is the servicer closest to their comparison speed
 Data is sorted on the contents of the highlighted column

Ginnie Mae: Monthly Reset HECM

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Rank	3M Historical Horizon							6M Historical Horizon						12M Historical Horizon							
	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref
1	Guild Mortgage	207	7.04	19	51.7	14.2	9.6	Guild Mortgage	179	7.13	19	45.5	12.2	8.5	Guild Mortgage	110	7.19	18	45.6	11.8	8.3
2	Traditional Mortgage	807	6.98	33	48.8	10.8	7.4	Traditional Mortgage	787	7.07	32	32.6	8.8	6.7	Traditional Mortgage	735	7.13	31	19.0	7.9	6.7
3	The Money House	13	7.01	26	15.2	29.8	26.4	The Money House	13	7.11	25	15.8	22.4	19.7	Sun West	85	7.42	41	16.0	8.6	7.5
4	PHH Mortgage	3,589	7.19	41	9.5	9.5	8.7	PHH Mortgage	3,508	7.26	40	4.0	8.5	8.2	The Money House	12	7.21	23	14.1	15.8	14.0
5	The Money Source	0	8.38	95	-0.0	3.1	3.1	Finance of America	10,767	7.25	32	0.0	7.6	7.6	PHH Mortgage	3,341	7.32	40	3.6	8.1	7.8
6	Mortgage Assets Management	2,549	7.72	146	-0.0	15.2	15.2	The Money Source	0	8.38	94	-0.0	1.6	1.6	Ginnie Mae/RMF	5,886	7.39	68	0.1	9.1	9.1
7	Finance of America	10,985	7.17	33	-2.5	7.6	7.8	Sun West	91	7.36	40	-0.1	8.6	8.6	Mortgage Assets Management	3,072	7.61	143	-0.2	13.9	13.9
8	Longbridge Financial	4,890	6.99	41	-2.9	7.5	7.7	Mortgage Assets Management	2,712	7.72	145	-0.6	13.9	13.9	Finance of America	10,160	7.30	31	-0.4	7.3	7.3
9	Ginnie Mae/RMF	5,513	7.31	66	-3.8	9.0	9.4	Ginnie Mae/RMF	5,648	7.38	66	-1.7	8.9	9.1	Longbridge Financial	4,588	7.10	47	-4.5	7.3	7.7
10	Mutual Of Omaha	1,097	7.25	20	-10.7	7.6	8.5	Mutual Of Omaha	969	7.33	19	-3.4	7.5	7.8	Plaza Home Mortgage	203	7.28	40	-6.1	8.3	8.9
11	Plaza Home Mortgage	237	7.13	39	-19.7	10.2	12.6	Plaza Home Mortgage	227	7.22	39	-3.7	10.3	10.7	Mutual Of Omaha	738	7.38	18	-6.2	6.6	7.0
12	Sun West	93	7.28	41	-20.1	8.5	10.6	Longbridge Financial	4,792	7.07	42	-6.0	7.1	7.6	Cherry Creek	26	7.20	15	-36.2	4.0	6.3
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Highlighted row is the servicer closest to their comparison speed
 Data is sorted on the contents of the highlighted column

Ginnie Mae: Annual Reset HECM

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Rank	3M Historical Horizon							6M Historical Horizon						12M Historical Horizon							
	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref	Servicer	\$mm	WAC	WALA	%ΔRef	CPR	Ref
1	Mutual Of Omaha	34	6.79	42	28.0	8.8	7.0	Mutual Of Omaha	33	6.70	40	30.5	8.4	6.5	Mutual Of Omaha	33	5.77	37	13.9	7.3	6.4
2	Mortgage Assets Management	532	7.20	100	11.2	11.9	10.8	Traditional Mortgage	376	6.22	50	10.5	9.6	8.7	Traditional Mortgage	377	5.72	47	8.9	9.4	8.6
3	Longbridge Financial	2,200	6.57	59	6.3	8.8	8.3	Mortgage Assets Management	546	6.99	99	10.3	10.6	9.6	Mortgage Assets Management	567	6.46	96	5.0	10.3	9.8
4	The Money Source	118	7.44	89	4.3	13.6	13.1	The Money Source	126	7.25	88	5.2	10.1	9.6	Ginnie Mae/RMF	10,419	6.16	69	2.0	9.8	9.7
5	Ginnie Mae/RMF	9,973	6.90	73	2.0	10.3	10.1	Ginnie Mae/RMF	10,134	6.69	71	3.2	9.8	9.5	PHH Mortgage	2,982	6.05	70	1.6	10.2	10.0
6	Traditional Mortgage	375	6.38	52	-0.9	9.3	9.4	Longbridge Financial	2,199	6.39	58	-0.1	7.8	7.8	Finance of America	4,126	6.09	71	-3.9	9.3	9.6
7	Plaza Home Mortgage	213	6.73	76	-2.2	10.1	10.4	PHH Mortgage	2,937	6.57	72	-3.2	9.8	10.1	The Money House	22	5.88	63	-5.1	7.7	8.1
8	PHH Mortgage	2,906	6.79	74	-2.8	10.5	10.8	Plaza Home Mortgage	215	6.51	75	-6.8	8.4	9.0	Plaza Home Mortgage	219	6.04	72	-5.6	9.2	9.7
9	Finance of America	4,024	6.82	74	-6.5	9.4	10.0	Finance of America	4,064	6.62	73	-7.0	8.9	9.5	Longbridge Financial	2,192	5.87	55	-5.9	7.5	8.0
10	Sun West	194	6.75	81	-11.6	8.0	8.9	Sun West	195	6.53	80	-16.1	7.9	9.3	Sun West	197	6.02	77	-11.1	9.0	10.1
11	The Money House	22	6.63	66	-97.5	0.2	8.2	The Money House	22	6.40	65	-40.4	4.6	7.6	The Money Source	137	6.81	85	-12.0	8.5	9.6

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