

EARN

ELLINGTON RESIDENTIAL MORTGAGE REIT

May 4, 2021

Earnings Conference Call

Q1 2021



Forward-Looking Statements

This presentation contains forward-looking statements within the meaning of the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking statements involve numerous risks and uncertainties. Actual results may differ from the Company's beliefs, expectations, estimates, and projections and, consequently, you should not rely on these forward-looking statements as predictions of future events. Forward-looking statements are not historical in nature and can be identified by words such as "believe," "expect," "anticipate," "estimate," "project," "plan," "continue," "intend," "should," "would," "could," "goal," "objective," "will," "may," "seek," or similar expressions or their negative forms, or by references to strategy, plans, or intentions.

The Company's results can fluctuate from month to month and from quarter to quarter depending on a variety of factors, some of which are beyond the Company's control and/or are difficult to predict, including, without limitation, changes in interest rates and the market value of the Company's securities, changes in mortgage default rates and prepayment rates, the Company's ability to borrow to finance its assets, changes in government regulations affecting the Company's business, the Company's ability to maintain its exclusion from registration under the Investment Company Act of 1940 and other changes in market conditions and economic trends including changes resulting from the ongoing spread and economic effects of the novel coronavirus (COVID-19) pandemic and associated responses to the pandemic. Furthermore, forward-looking statements are subject to risks and uncertainties, including, among other things, those described under Item 1A of our Annual Report on Form 10-K filed on March 16, 2021 which can be accessed through the link to our SEC filings under "For Our Shareholders" on our website (www.earnreit.com) or at the SEC's website (www.sec.gov). Other risks, uncertainties, and factors that could cause actual results to differ materially from those projected may be described from time to time in reports we file with the SEC, including reports on Forms 10-Q, 10-K and 8-K. The Company undertakes no obligation to update or revise any forward-looking statements, whether as a result of new information, future events, or otherwise.

Modeling

Some statements in this presentation may be derived from proprietary models developed by Ellington Management Group, L.L.C. ("Ellington"). Some examples provided may be based upon the hypothetical performance of such models. Models, however, are inherently imperfect and subject to a number of risks, including that the underlying data used by the models is incorrect, inaccurate, or incomplete, or that the models rely upon assumptions that may prove to be incorrect. The utility of model-based information is highly limited. The information is designed to illustrate Ellington's current view and expectations and is based on a number of assumptions and limitations, including those specified herein. Certain models make use of discretionary settings or parameters which can have a material effect on the output of the model. Ellington exercises discretion as to which settings or parameters to use in different situations, including using different settings or parameters to model different securities. Actual results and events may differ materially from those described by such models.

Projected Yields and Spreads

Projected yields and spreads discussed herein are based upon Ellington models and rely on a number of assumptions, including as to prepayment, default and interest rates and changes in home prices. Such models are inherently imperfect and there is no assurance that any particular investment will perform as predicted by the models, or that any such investment will be profitable. Projected yields are presented for the purposes of (i) providing insight into the strategy's objectives, (ii) detailing anticipated risk and reward characteristics in order to facilitate comparisons with other investments, (iii) illustrating Ellington's current views and expectations, and (iv) aiding future evaluations of performance. They are not a guarantee of future performance. They are based upon assumptions regarding current and future events and conditions, which may not prove to be accurate. There can be no assurance that the projected yields will be achieved. Investments involve risk of loss.

Financial Information

All financial information included in this presentation is as of March 31, 2021 unless otherwise indicated. We undertake no duty or obligation to update this presentation to reflect subsequent events or developments.

Quarter Ended	3/31/2021	12/31/2020	Q/Q	9/30/2020	Q/Q	6/30/2020	Q/Q	3/31/2020	Q/Q
UST (%)⁽¹⁾									
3M UST	0.02	0.06	-0.04	0.09	-0.03	0.13	-0.04	0.06	+0.07
2Y UST	0.16	0.12	+0.04	0.13	-0.01	0.15	-0.02	0.25	-0.10
5Y UST	0.94	0.36	+0.58	0.28	+0.08	0.29	-0.01	0.38	-0.09
10Y UST	1.74	0.91	+0.83	0.68	+0.23	0.66	+0.03	0.67	-0.01
30Y UST	2.41	1.64	+0.77	1.46	+0.19	1.41	+0.04	1.32	+0.09
3M10Y Spread	1.73	0.85	+0.87	0.59	+0.26	0.53	+0.06	0.61	-0.08
2Y10Y Spread	1.58	0.79	+0.79	0.56	+0.23	0.51	+0.05	0.42	+0.09
US Dollar Swaps (%)⁽¹⁾									
2Y SWAP	0.29	0.20	+0.09	0.22	-0.02	0.22	-0.00	0.49	-0.26
5Y SWAP	1.06	0.43	+0.63	0.35	+0.08	0.33	+0.02	0.52	-0.20
10Y SWAP	1.78	0.93	+0.86	0.71	+0.22	0.64	+0.07	0.72	-0.08
LIBOR (%)⁽¹⁾									
1M	0.11	0.14	-0.03	0.15	-0.00	0.16	-0.01	0.99	-0.83
3M	0.19	0.24	-0.04	0.23	+0.00	0.30	-0.07	1.45	-1.15
1M3M Spread	0.08	0.09	-0.01	0.09	+0.01	0.14	-0.05	0.46	-0.32
Mortgage Rates (%)⁽²⁾									
15Y	2.71	2.42	+0.29	2.65	-0.23	2.81	-0.16	3.05	-0.24
30Y	3.17	2.67	+0.50	2.9	-0.23	3.13	-0.23	3.5	-0.37
FNMA Pass-Thrus⁽¹⁾									
30Y2.5	\$102.51	\$105.45	-\$2.95	\$104.89	+\$0.56	\$104.23	+\$0.66	\$103.55	+\$0.68
30Y3.5	\$105.61	\$105.73	-\$0.13	\$105.48	+\$0.25	\$105.17	+\$0.31	\$105.80	-\$0.63
30Y4.5	\$108.87	\$108.39	+\$0.48	\$108.17	+\$0.22	\$107.45	+\$0.72	\$107.64	-\$0.19
Libor-based OAS (bps)^{(3) (4)}									
FNMA30Y2.5 OAS	-2.6	-31.8	+29.2	-2.3	-29.5	-0.9	-1.4	31.9	-32.8
FNMA30Y3.5 OAS	5.5	-0.5	+6.0	3.9	-4.4	-7.9	+11.8	-47.6	+39.7
FNMA30Y4.5 OAS	-24.9	-21.8	-3.1	-15.1	-6.7	-7	-8.1	-14	+7.0
Libor-based ZSpread (bps)^{(3) (5)}									
FNMA30Y2.5 ZSpread	39.2	19.4	+19.8	50.9	-31.5	44.7	+6.2	86	-41.3
FNMA30Y3.5 ZSpread	57.6	21.7	+35.9	23.2	-1.5	4.2	+19.0	-42.7	+46.9
FNMA30Y4.5 ZSpread	5.9	-14	+19.9	-8.6	-5.4	-6.1	-2.5	-15.1	+9.0

Results	<ul style="list-style-type: none"> • Net Income: \$0.1 million or \$0.01 per share • Core Earnings⁽¹⁾: \$3.8 million, or \$0.31 per share • Economic Return: 0.1% for the quarter • Net Interest Margin⁽²⁾: 1.96%
Shareholders' Equity & BVPS ⁽³⁾	<ul style="list-style-type: none"> • Shareholders' Equity: \$163.1 million • Book Value Per Share: \$13.22
Portfolio	<ul style="list-style-type: none"> • Agency RMBS Portfolio: \$1.178 billion⁽³⁾ <ul style="list-style-type: none"> • Weighted average prepayment speed on fixed-rate specified pools increased to 23.6% CPR from 21.0% CPR last quarter • Average pay-ups on our fixed-rate specified pools decreased to 1.61% from 2.40% last quarter, as pay-ups on existing investments declined, and as we purchased primarily low pay-up pools during the quarter • Non-Agency RMBS Portfolio: \$10.4 million⁽³⁾ <ul style="list-style-type: none"> • Reduced size of the portfolio by 41% during the quarter as we continued to monetize gains in this sector
Leverage ⁽³⁾	<ul style="list-style-type: none"> • Debt-to-Equity Ratio: 7.0:1⁽⁴⁾ • Net Mortgage Assets-to-Equity Ratio of 6.2:1⁽⁵⁾ • Cash and cash equivalents of \$52.5 million, in addition to other unencumbered assets of \$48.2 million
Dividends	<ul style="list-style-type: none"> • Declared first quarter dividend of \$0.28 per share (paid in April 2021) • Annualized dividend yield of 9% based on closing price of \$12.44 on 4/30/2021

Summary of Financial Results

	Quarter Ended 3/31/2021	Quarter Ended 12/31/2020
(in thousands except per share amounts)		
Interest Income	\$ 6,535	\$ 6,174
Interest Expense	(781)	(716)
Total Net Interest Income	\$ 5,754	\$ 5,458
Total Other Gain (Loss) ⁽¹⁾	(437)	(381)
Total Expenses	(1,465)	(1,400)
Add back: Catch-up Premium Amortization Adjustment ⁽²⁾	(70)	559
Core Earnings⁽³⁾	\$ 3,782	\$ 4,236
Per Share⁽⁴⁾	\$ 0.31	\$ 0.34
Net Realized and Unrealized Gain (Loss):		
RMBS	\$ (9,922)	\$ (1,528)
Long TBAs Held for Investment	(10,164)	3,143
Interest Rate Hedges and Other Activities, Net	16,361	2,102
Total Net Realized and Unrealized Gain (Loss)	\$ (3,725)	\$ 3,717
Deduct: Catch-up Premium Amortization Adjustment ⁽²⁾	70	(559)
Net Income (Loss)	\$ 127	\$ 7,394
Per Share⁽⁴⁾	\$ 0.01	\$ 0.60
Weighted Average Yield ⁽⁵⁾	2.41%	2.53%
Cost of Funds	<u>-0.45%</u>	<u>-0.41%</u>
Net Interest Margin ⁽⁶⁾	1.96%	2.12%
Average Pay-Ups	1.61%	2.40%
Shareholders' Equity	\$ 163,139	\$ 166,402
Book Value Per Share⁽⁴⁾	\$ 13.22	\$ 13.48

Consolidated Balance Sheet (Unaudited)

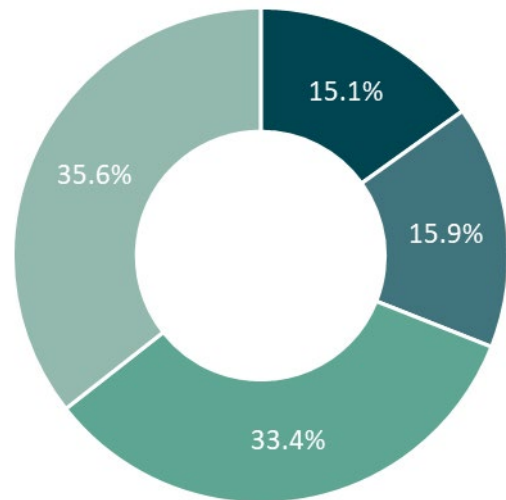
As of

(in thousands except share amounts)	March 31, 2021	December 31, 2020 ⁽¹⁾
Assets		
Cash and cash equivalents	\$ 52,500	\$ 58,166
Mortgage-backed securities, at fair value	1,204,629	1,081,380
Other investments, at fair value	289	292
Due from brokers	57,375	47,798
Financial derivative-assets, at fair value	11,415	2,791
Reverse repurchase agreements	98,904	-
Receivable for securities sold	2,192	-
Interest receivable	4,132	4,114
Other assets	651	270
Total Assets	\$ 1,432,087	\$ 1,194,811
Liabilities and Shareholders' Equity		
Liabilities		
Repurchase agreements	\$ 1,106,724	\$ 1,015,245
Payable for securities purchased	146,181	-
Due to brokers	3,456	1,064
Financial derivatives-liabilities, at fair value	7,093	6,630
Dividend Payable	3,456	3,456
Accrued expenses	811	918
Management fee payable to affiliate	614	626
Interest payable	613	470
Total Liabilities	\$ 1,268,948	\$ 1,028,409
Shareholders' Equity		
Preferred shares, par value \$0.01 per share, 100,000,000 shares authorized; (0 shares issued and outstanding, respectively)	-	-
Common shares, par value \$0.01 per share, 500,000,000 shares authorized; (12,343,542 and 12,343,542 shares issued and outstanding, respectively)	123	123
Additional paid-in-capital	229,680	229,614
Accumulated deficit	(66,664)	(63,335)
Total Shareholders' Equity	163,139	166,402
Total Liabilities and Shareholders' Equity	\$ 1,432,087	\$ 1,194,811
Supplemental Per Share Information		
Book Value Per Share	\$ 13.22	\$ 13.48

(in thousands)	March 31, 2021					December 31, 2020				
	Current Principal	Fair Value	Average Price ⁽¹⁾	Cost	Average Cost ⁽¹⁾	Current Principal	Fair Value	Average Price ⁽¹⁾	Cost	Average Cost ⁽¹⁾
Agency RMBS ⁽²⁾										
15-year fixed rate mortgages	\$113,924	\$ 120,774	\$ 106.01	\$ 118,491	\$ 104.01	\$ 77,578	\$ 83,159	\$ 107.19	\$ 80,144	\$ 103.31
20-year fixed rate mortgages	40,845	41,981	102.78	42,441	103.91	42,559	44,763	105.18	44,247	103.97
30-year fixed rate mortgages	868,413	933,001	107.44	907,057	104.45	763,563	834,881	109.34	799,360	104.69
ARMs	17,509	18,442	105.33	17,998	102.79	19,459	20,442	105.05	19,981	102.68
Reverse mortgages	58,960	64,164	108.83	62,516	106.03	61,653	67,474	109.44	65,494	106.23
Total Agency RMBS	1,099,651	1,178,362	107.16	1,148,503	104.44	964,812	1,050,719	108.90	1,009,226	104.60
Non-Agency RMBS	12,835	10,370	80.79	8,572	66.79	23,140	17,612	76.11	15,369	66.42
Total RMBS⁽²⁾	1,112,486	1,188,732	106.85	1,157,075	104.01	987,952	1,068,331	108.14	1,024,595	103.71
Agency Interest Only RMBS	n/a	15,897	n/a	16,508	n/a	n/a	13,049	n/a	15,434	n/a
Total mortgage-backed securities		\$ 1,204,629		\$ 1,173,583			\$ 1,081,380		\$ 1,040,029	

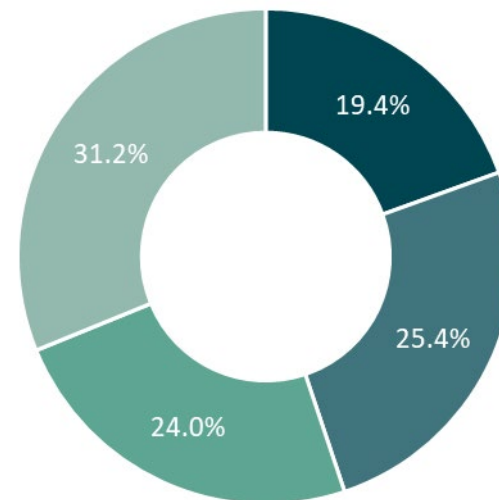
- Increased Agency RMBS holdings by 12% quarter over quarter
- Reduced non-Agency RMBS portfolio by 41% as we continued to monetize gains in this sector during the first quarter

Short \$373.3MM 10-yr equivalents⁽⁴⁾
As of 3/31/2021



- 2-5 Yr Treasuries and Treasury Futures
- 2-5 Yr Interest Rate Swaps
- >5 Yr Interest Rate Swaps
- >5 Yr Treasuries and Treasury Futures

Short \$196.1MM 10-yr equivalents⁽⁴⁾
As of 12/31/2020



We hedge along the entire yield curve to manage interest rate risk and protect book value

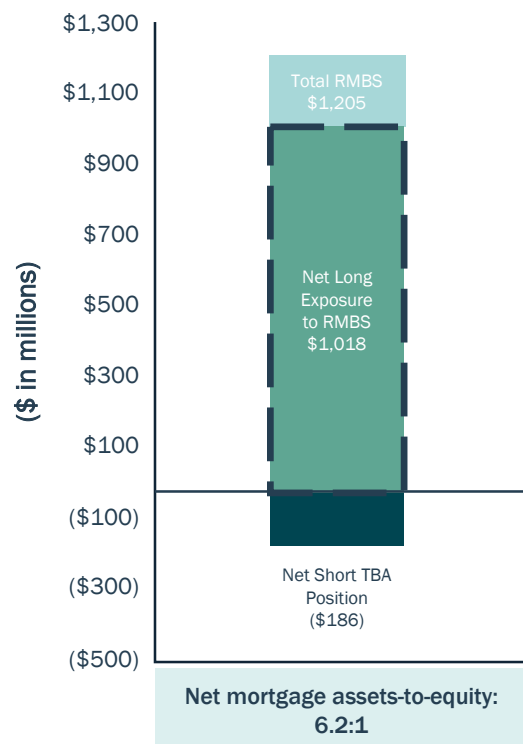
Shorting “generic” pools (or TBAs) allows EARN to significantly reduce interest rate risk and basis risk in its Agency portfolio

At quarter end our net position in TBAs was again long, on a 10-year equivalent basis (though it was still net short on a notional basis)

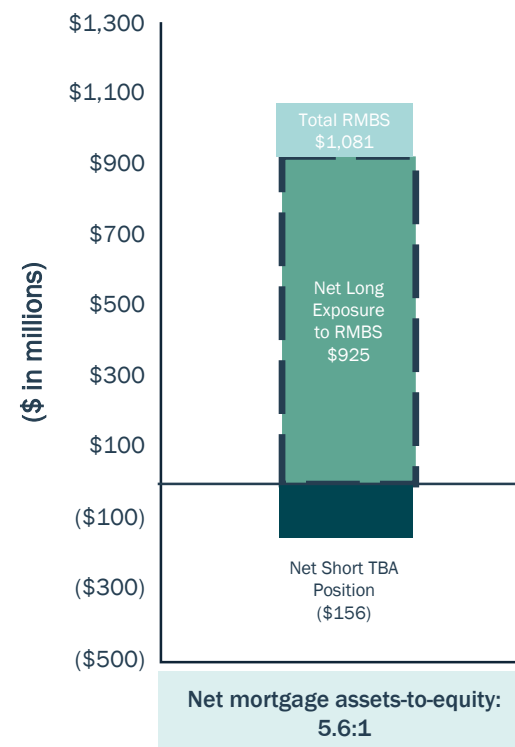
We also hedge interest rate risk with swaps, U.S. Treasury securities, futures, and swaptions

Net RMBS Exposure Based on Fair Value⁽¹⁾

As of 3/31/2021



As of 12/31/2020



- EARN often carries significantly lower net effective mortgage exposure than our “headline” leverage suggests, due to our net short TBA position
- Our net mortgage assets-to-equity⁽²⁾ ratio increased over quarter, driven by a larger RMBS portfolio.

- Use of TBA short positions as hedges helps drive outperformance in especially volatile quarters, such as the first and second quarters of 2020. When interest rates spike, TBA short positions not only extend with specified pool assets, but they tend to extend more than specified pool assets, which dynamically and automatically hedges a correspondingly larger portion of our specified pool portfolio

◆ As of March 31, 2021⁽⁴⁾

Securitized Products

US Agency MBS TOAS

US Agency MBS TZV

US Agency FN 3 OAS

US Agency G2 3 OAS

US Spec HLB 3

Non-QM AAA

Legacy Resi

CRT OTR M1

Subprime Auto BBB

US CLO 2.0 AAA

US CLO 2.0 BBB

EUR CLO 2.0 AAA

US CMBS AAA

US CMBS BBB

US Corporate Credit

US IG Corp A OAS

US IG Corp BBB OAS

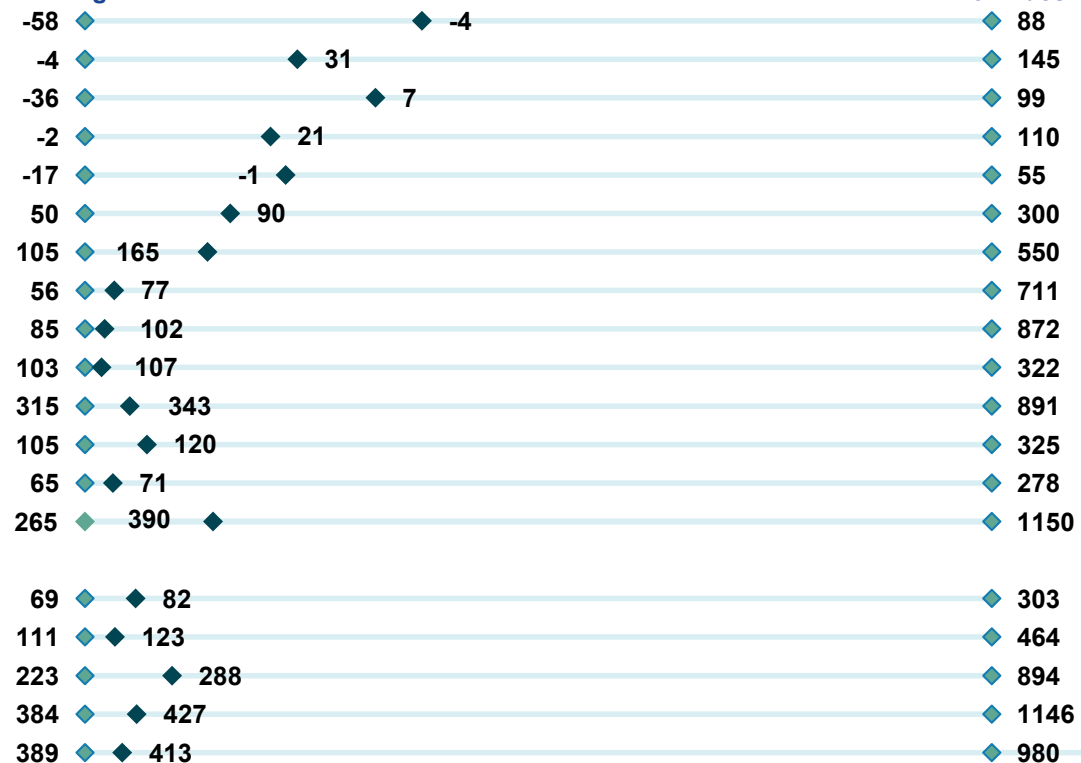
US HY Corp BB STW

US HY Corp B STW

Lev Loans

24 Mo Tights

24 Mo Wides



Source: Morgan Stanley

- During the first quarter, yield spreads continued to tighten on most fixed income instruments, with the notable exception of many Agency RMBS
- Yield spreads on the following products widened modestly: Non-QM AAA, Subprime Auto BBB, US IG Corp A OAS

3-month LIBOR Minus Earn Repo Funding Rate



- Because we receive 3-month LIBOR on our interest rate swaps, when 3-month LIBOR is lower than our repo funding costs, our hedging costs are higher and our net interest margin is reduced
- The relationship between 3-month LIBOR and our agency repo funding rate was highly volatile during the market turmoil of early 2020, but has since stabilized and narrowed

Ellington is committed to corporate responsibility. We recognize the importance of environmental, social and governance (“ESG”) factors, and believe that the implementation of ESG policies will benefit our employees, support long-term shareholder performance, and make a positive impact on the environment and society as a whole.



Environmental

- Our office is conveniently located near mass transportation.
- We provide financial support and incentives to our employees who use public transit.
- To reduce energy usage, we use Energy Star® certified desktops, monitors and printers; and utilize motion sensor lighting and cooling to reduce energy usage in non-peak hours.
- To reduce waste and promote a cleaner environment, we use green cleaning supplies and kitchen products; recycle electronics, ink cartridges, and packaging; provide recycling containers to employees; and use water coolers to reduce waste.



Social

- We invest in home mortgage loans, which support homeownership and stability within communities.
- Ellington and senior members of management sponsor numerous charitable causes. We also support employee charitable contributions with matching gift programs.
- Our employees have access to robust health and wellness programs. Ellington also supports various events that support health and wellness.
- We provide opportunities for personal growth with training and education support, including reimbursement for continuing education. We also provide mentorship programs, and internship opportunities.
- We are committed to enhancing gender, racial, and ethnic diversity throughout our organization.
- We are in compliance with applicable employment codes and guidelines, including ADA, Equal Opportunity Employment, Non-Discrimination, Anti-Harassment and Non-Retaliation codes.



Governance

- Our Manager has a Responsible Investment policy incorporating ESG factors into its investment processes for applicable strategies.
- We operate under a Code of Business Conduct and Ethics.
- EARN has a separate independent Chairman, and the majority of Board members are independent.
- We hold annual elections of Directors.
- We are committed to significant disclosure and transparency, including an established quarterly book value disclosure and dividend policy.
- We foster regular employee engagement, and have an established Whistleblower policy.
- Robust process for shareholder engagement.

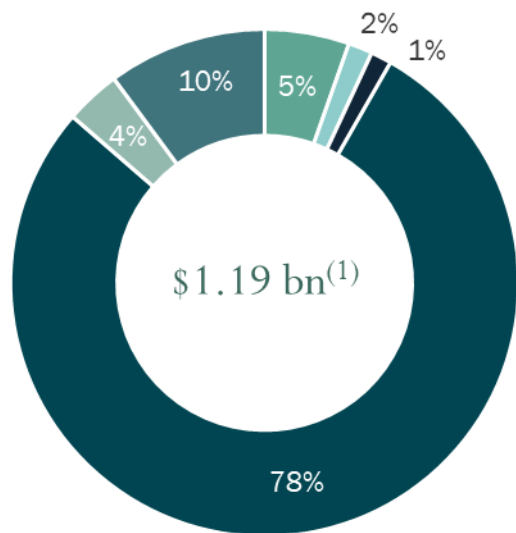
- 1 Capitalize on investment opportunities driven by market volatility and uncertainty, as we did following the severe dislocations of 2020
- 2 Rely on disciplined interest rate hedging and liquidity management to manage future volatility and protect book value
- 3 Dial up and down our MBS exposure opportunistically in response to market conditions
- 4 Rotate portfolio to take advantage of relative value discrepancies between Agency RMBS, and capitalize on lower borrowing costs, in order to drive Net Interest Margin and Core Earnings
- 5 Changes in the prepayment landscape should favor our core strengths of prepayment modeling, asset selection, and dynamic interest rate hedging, while also providing meaningful trading opportunities
- 6 Vary capital allocations to non-Agency RMBS as market opportunities change over time

EARN

ELLINGTON RESIDENTIAL MORTGAGE REIT

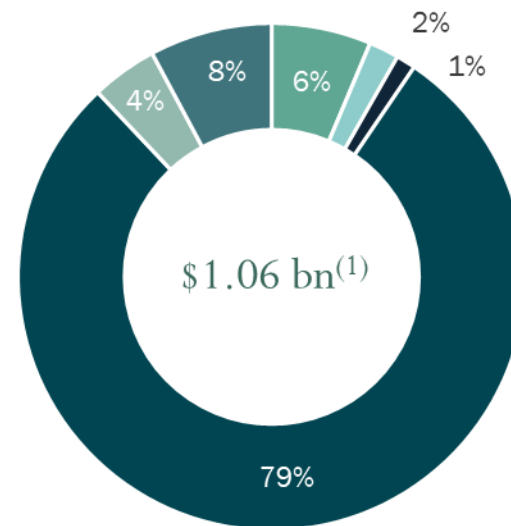
Supplemental Slides





As of 3/31/2021

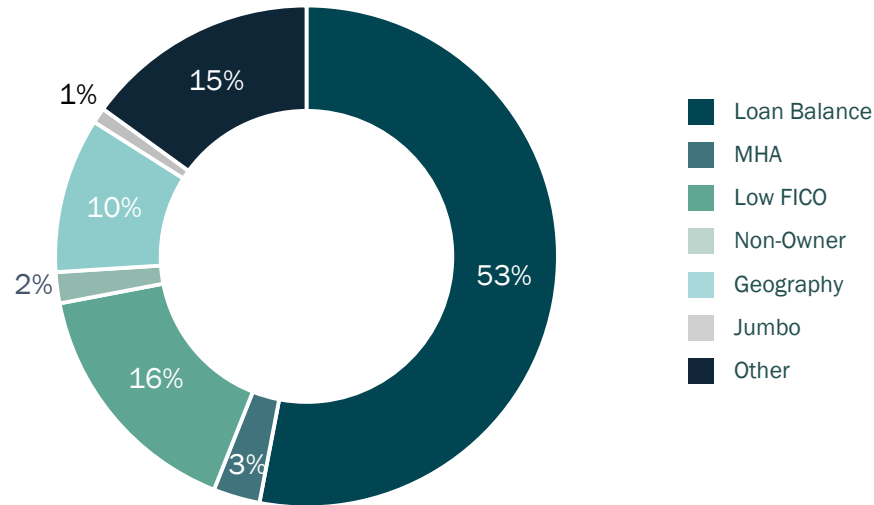
Category	Fair Value ⁽¹⁾⁽²⁾	Wtd. Avg. Coupon ⁽³⁾
30-Year Fixed	\$933.0	3.57
20-Year Fixed	42.0	2.34
15-Year Fixed	120.8	3.01
RM Fixed	64.2	3.79
Subtotal - Fixed	1,160.0	3.48
ARMs	18.4	
Fixed IOs	15.9	
Total	\$1,194.3	



As of 12/31/2020

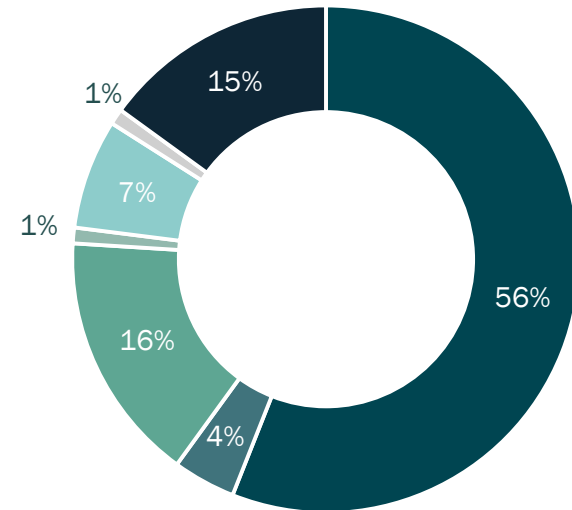
Category	Fair Value ⁽¹⁾⁽²⁾	Wtd. Avg. Coupon ⁽³⁾
30-Year Fixed	\$834.9	3.87
20-Year Fixed	44.8	2.35
15-Year Fixed	83.2	3.35
RM Fixed	67.5	3.86
Subtotal - Fixed	1,030.4	3.76
ARMs	20.4	
Fixed IOs	13.0	
Total	\$1,063.8	

- Increased portfolio size by approximately 12%



Average for Quarter Ended 3/31/2021⁽¹⁾

Collateral Characteristics and Historical 3-Mo CPR

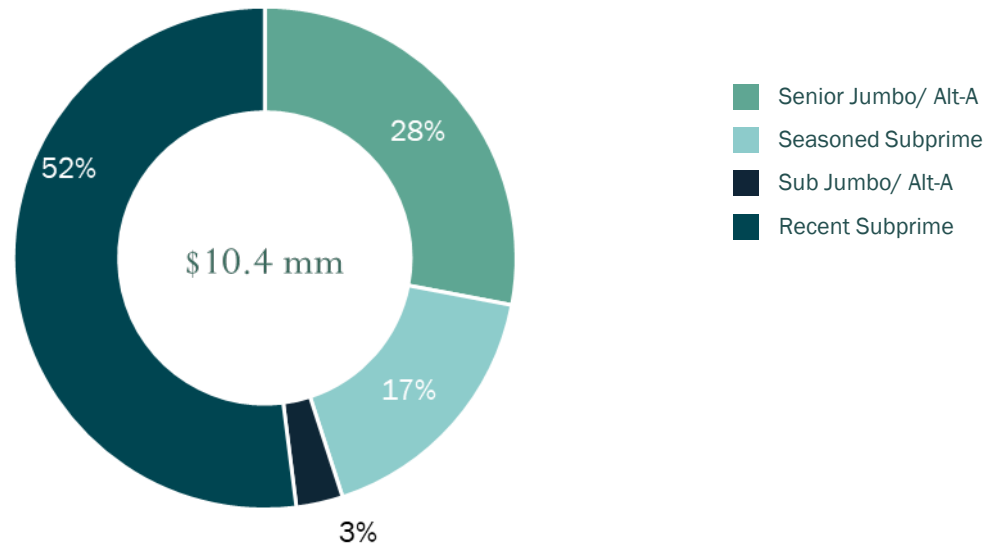


Average for Quarter Ended 12/31/2020⁽¹⁾

Collateral Characteristics and Historical 3-Mo CPR

Characteristic ⁽²⁾	Fair Value ⁽¹⁾⁽³⁾	3-Month CPR %
Loan Balance	\$509.9	20.1
MHA ⁽⁴⁾	32.9	22.0
Low FICO	154.3	31.3
Non-Owner	15.4	14.1
Geography	94.2	21.6
Jumbo	14.6	35.6
Other	142.5	27.9
Total	\$963.7	23.6

Characteristic ⁽²⁾	Fair Value ⁽¹⁾⁽³⁾	3-Month CPR %
Loan Balance	\$535.2	20.3
MHA ⁽⁴⁾	36.2	14.1
Low FICO	148.8	29.3
Non-Owner	11.6	2.1
Geography	65.1	11.6
Jumbo	10.2	28.4
Other	143.9	21.2
Total	\$951.1	21.0



Total Non-Agency Avg Mkt Px: 80.8

- Decreased non-Agency RMBS holdings by 41% as we continued to monetize gains during the first quarter
- We expect to continue to vary our allocation to non-Agency RMBS as market opportunities change over time

March 31, 2021				December 31, 2020		
Remaining Days to Maturity	Weighted Average			Weighted Average		
	Borrowings Outstanding	Interest Rate	Remaining Days to Maturity	Borrowings Outstanding	Interest Rate	Remaining Days to Maturity
	(in thousands)			(in thousands)		
30 days or less	\$ 283,521	0.22%	15	\$ 307,544	0.27%	15
31-60 days	265,983	0.19%	43	541,104	0.23%	44
61-90 days	85,016	0.30%	74	92,314	0.26%	74
91-120 days	4,160	1.06%	97	-	-	-
121-150 days	141,155	0.20%	134	2,371	0.27%	126
151-180 days	57,991	0.20%	168	53,150	0.32%	162
181-360 days	268,898	0.21%	328	18,762	0.26%	257
Total	\$ 1,106,724	0.22%	126	\$ 1,015,245	0.25%	48

- Outstanding borrowings were with 16 counterparties as of March 31, 2021
- Took advantage of favorable terms on longer-dated repo, and as a result, our average remaining maturity increased significantly to 126 days
- As of March 31st, the weighted average interest rate on our repo borrowings declined slightly to 0.22% from 0.25% as of December 31st, as short-term interest rates remained low

Interest Rate Sensitivity Analysis⁽¹⁾

(\$ in thousands)

Estimates Change in Fair Value

	50 Basis Point Decline in Interest Rates		50 Basis Point Increase in Interest Rates	
	Market Value	% of Total Equity	Market Value	% of Total Equity
Agency RMBS – ARM Pools	\$ 268	0.16%	\$ (205)	-0.13%
Agency RMBS – Fixed Pools and Ios	14,226	8.72%	(19,178)	-11.76%
TBAs	2,228	1.37%	(1,474)	-0.90%
Non-Agency RMBS	216	0.13%	(178)	-0.11%
Interest Rate Swaps	(8,255)	-5.06%	7,897	4.84%
U.S. Treasury Securities	-	0.00%	-	0.00%
U.S. Treasury Futures	(8,404)	-5.15%	8,158	5.00%
Corporate Securities and Derivatives on Corporate Securities	-	0.00%	-	0.00%
Repurchase and Reverse Repurchase Agreements	(798)	-0.49%	1,904	1.17%
Total	\$ (519)	-0.32%	\$ (3,076)	-1.89%

(In thousands)

Fixed Payer Interest Rate

Maturity		Notional Amount	Fair Value	Weighted Average Pay Rate	Weighted Average Receive Rate	Weighted Average Years to Maturity
2020-2022	\$	5,000	\$ 5	0.05%	0.09%	1.56
2023-2025		215,290	(559)	0.56%	0.19%	2.69
2026-2028		79,692	2,951	0.73%	0.19%	6.49
2029-2050		58,059	1,975	1.59%	0.16%	13.54
Total	\$	358,041	\$ 4,372	0.76%	0.19%	5.28

Fixed Receiver Interest Rate

Maturity		Notional Amount	Fair Value	Weighted Average Pay Rate	Weighted Average Receive Rate	Weighted Average Years to Maturity
2023	\$	(13,200)	\$ 669	0.22%	1.87%	2.07
2025		(5,000)	(2)	0.09%	0.06%	4.56
2031		(3,250)	(3)	0.00%	1.76%	10.02
2040		(500)	(85)	0.09%	0.84%	19.57
Total	\$	(21,950)	\$ 579	0.15%	1.42%	4.21

TBA Securities

Coupon		Notional Amount ⁽¹⁾	Cost Basis ⁽²⁾	Market Value ⁽³⁾	Net Carrying Value ⁽⁴⁾
1.5	\$	15,000	\$ 15,120	\$ 15,059	\$ (60)
2		210,550	215,403	210,573	(4,830)
2.5		45,150	46,501	46,139	(362)
3		(71,758)	(75,072)	(74,796)	276
3.5		(177,060)	(187,754)	(187,168)	586
4		(124,785)	(134,247)	(134,020)	227
4.5		(62,273)	(67,890)	(67,883)	7
5		5,240	5,721	5,703	(19)
Total TBAs net	\$	(159,936)	\$ (182,218)	\$ (186,394)	\$ (4,176)

Futures

Maturity		Notional Amount	Fair Value	Remaining Months to Expiration
2yr	\$	(5,400)	\$ 6	3.03
5yr		(95,100)	1,019	3.03
10yr		(153,500)	2,721	2.73
30yr		3,300	(199)	2.73
Total	\$	(250,700)	\$ 3,546	2.85

Consolidated Statement of Operations (Unaudited)

Three-Month Period Ended

(in thousands except share amounts)	March 31, 2021	December 31, 2020
Interest Income (Expense)		
Interest income	\$ 6,535	\$ 6,174
Interest expense	(781)	(716)
Total net interest income	\$ 5,754	\$ 5,458
Expenses		
Management fees to affiliate	614	626
Professional fees	271	199
Compensation expense	177	175
Insurance expense	86	82
Other operating expenses	317	318
Total expenses	\$ 1,465	\$ 1,400
Other Income (Loss)		
Net realized gains (losses) on securities	3,081	862
Net realized gains (losses) on financial derivatives	(5,150)	2,395
Change in net unrealized gains (losses) on securities	(10,308)	(2,259)
Change in net unrealized gains (losses) on financial derivatives	8,215	2,338
Total other income (loss)	(4,162)	3,336
Net Income (Loss)	\$ 127	\$ 7,394
Net Income (Loss) per Common Share:		
Basic and Diluted	\$ 0.01	\$ 0.60
Weighted Average Shares Outstanding	12,343,542	12,336,088
Cash Dividends Declared per Share	\$ 0.28	\$ 0.28

Consolidated Balance Sheet (Unaudited)

	As of	
(in thousands except share amounts)	March 31, 2021	December 31, 2020 ⁽¹⁾
Assets		
Cash and cash equivalents	\$ 52,500	\$ 58,166
Mortgage-backed securities, at fair value	1,204,629	1,081,380
Other investments, at fair value	289	292
Due from brokers	57,375	47,798
Financial derivative-assets, at fair value	11,415	2,791
Reverse repurchase agreements	98,904	-
Receivable for securities sold	2,192	-
Interest receivable	4,132	4,114
Other assets	651	270
Total Assets	\$ 1,432,087	\$ 1,194,811
Liabilities and Shareholders' Equity		
Liabilities		
Repurchase agreements	\$ 1,106,724	\$ 1,015,245
Payable for securities purchased	146,181	-
Due to brokers	3,456	1,064
Financial derivatives-liabilities, at fair value	7,093	6,630
Dividend Payable	3,456	3,456
Accrued expenses	811	918
Management fee payable to affiliate	614	626
Interest payable	613	470
Total Liabilities	\$ 1,268,948	\$ 1,028,409
Shareholders' Equity		
Preferred shares, par value \$0.01 per share, 100,000,000 shares authorized; (0 shares issued and outstanding, respectively)	-	-
Common shares, par value \$0.01 per share, 500,000,000 shares authorized; (12,343,542 and 12,343,542 shares issued and outstanding, respectively)	123	123
Additional paid-in-capital	229,680	229,614
Accumulated deficit	(66,664)	(63,335)
Total Shareholders' Equity	163,139	166,402
Total Liabilities and Shareholders' Equity	\$ 1,432,087	\$ 1,194,811
Supplemental Per Share Information		
Book Value Per Share	\$ 13.22	\$ 13.48

Reconciliation of Core Earnings to Net Income (Loss)⁽¹⁾

(in thousands except share amounts)	Three-Month Period Ended	
	March 31, 2021	December 31, 2020
Net Income (Loss)	\$ 127	\$ 7,394
Adjustments:		
Net realized (gains) losses on securities	(3,081)	(862)
Change in net unrealized (gains) losses on securities	10,308	2,259
Net realized (gains) losses on financial derivatives	5,150	(2,395)
Change in net unrealized (gains) losses on financial derivatives	(8,215)	(2,338)
Net realized gains (losses) on periodic settlements of interest rate swaps	(386)	(648)
Change in net unrealized gains (losses) on accrued periodic settlements of interest rate swaps	(51)	267
Negative (positive) component of interest income represented by Catch-up Premium Amortization Adjustment	(70)	559
Subtotal	3,655	(3,158)
Core Earnings	\$ 3,782	\$ 4,236
Weighted Average Shares Outstanding	12,343,542	12,336,088
Core Earnings Per Share	\$ 0.31	\$ 0.34

Ellington Profile

As of 3/31/2021

Founded:	1994
Employees:	>150
Investment Professionals:	66
Global offices:	2

\$12.9

Billion in assets under management as of 3/31/2021⁽¹⁾

14

Employee-partners own the firm⁽²⁾

26

Years of average industry experience of senior portfolio managers

27%

Ownership of EARN by Blackstone Tactical Opportunity Funds

Ellington and its Affiliated Management Companies

- Our external manager Ellington Residential Mortgage Management LLC is part of the Ellington family of SEC-registered investment advisors⁽³⁾. Ellington Management Group and its affiliates manage Ellington Residential Mortgage REIT (EARN), Ellington Financial Inc. (EFC), multi-investor hedge funds, separately managed accounts, and opportunistic private funds
- Time-tested infrastructure and proprietary resources in trading, research, risk management, and operational support
- Founding partners each have advanced academic training in mathematics and engineering, including among them several Ph.D.'s and Master's degrees

Industry-Leading Research & Trading Expertise

- Sophisticated proprietary models for prepayment and credit analysis
- Approximately 25% of employees dedicated to research and infrastructure development
- Structured credit trading experience and analytical skills developed since the firm's founding 26 years ago
- Ellington's portfolio managers are among the most experienced in the MBS sector and the firm's analytics have been developed over its 26-year history

Slide 3 – First Quarter Market Update

- (1) Source: Bloomberg
- (2) Source: Mortgage Bankers Association via Bloomberg
- (3) Source: J.P. Morgan Markets
- (4) LIBOR-based Option Adjusted Spread measures the additional yield spread over LIBOR that an asset provides at its current market price after taking into account any interest rate options embedded in the asset.
- (5) LIBOR-based Zero-volatility spread (Z-spread) measures the additional yield spread over LIBOR that the projected cash flows of an asset provide at the current market price of the asset.

Slide 4 – First Quarter Highlights

- (1) Core Earnings is a non-GAAP financial measure. See slide 23, endnote 1 for an explanation regarding the calculation of Core Earnings and the Catch-up Premium Amortization Adjustment.
- (2) Net interest margin excludes the effect of the Catch-up Premium Amortization Adjustment.
- (3) As of March 31, 2021.
- (4) Debt-to-Equity Ratio is adjusted for unsettled purchases and sales.
- (5) We define our net mortgage assets-to-equity ratio as the net aggregate market value of our mortgage-backed securities (including the underlying market values of our long and short TBA positions) divided by total shareholders' equity. As of March 31, 2021 the market value of our mortgage-backed securities and our net short TBA position was \$1.20 billion and \$(186.4) million, respectively, and total shareholders' equity was \$163.1 million.

Slide 5 – Summary of Financial Results

- (1) Total Other Gain (Loss) represents net realized and unrealized gains (losses) on periodic settlements of interest rate swaps.
- (2) See slide 23, endnote 1 for definition of Catch-up Premium Amortization Adjustment.
- (3) Core Earnings is a non-GAAP financial measure. See slide 23 for a reconciliation of Core Earnings to Net Income (Loss).
- (4) Shareholders' Equity per share is calculated using shares outstanding at the end of the period. All other per share amounts are calculated using the weighted average shares outstanding for the quarter.
- (5) Weighted Average Yield excludes the effect of the Catch-up Premium Amortization Adjustment.
- (6) Net interest margin excludes the effect of the Catch-up Premium Amortization Adjustment.

Slide 6 – Consolidated Balance Sheet

- (1) Derived from audited financial statements as of December 31, 2020.

Slide 7 – Portfolio Summary

- (1) Represents the dollar amount (not shown in thousands) per \$100 of current principal of the price or cost for the security.
- (2) Excludes Agency IOs.

Slide 8 – Interest Rate Hedging Portfolio

- (1) "10-year equivalents" for a group of positions represent the amount of 10-year U.S. Treasury securities that would be expected to experience a similar change in market value under a standard parallel move in interest rates.

Slide 9 – Dynamic Hedging Strategy

- (1) Net short TBA positions represents the current market value of the underlying Agency RMBS (on a forward delivery basis) as of March 31, 2021 and December 31, 2020. The net carrying value of the TBA positions as of March 31, 2021 and December 31, 2020 on the Consolidated Balance Sheet was \$(4.18) million and \$1.02 million, respectively.
- (2) We define our net mortgage assets-to-equity ratio as the net aggregate market value of our mortgage-backed securities (including the underlying market values of our long and short TBA positions) divided by total shareholders' equity.

Slide 10 – Relative Yield Spreads

- (1) As of date is March 31, 2021 except as set forth below:
3/25/2021 for US Spec HLB 3; 3/23/2021 for Non-QM AAA; 3/19/2021 for Legacy Resi, 3/26/2021 for CRT OTR M1, Subprime Auto BBB, US CLO 2.0 AAA, US CLO 2.0 BBB, EUR CLO 2.0 AAA, US CMBS AAA, US CMBS BBB, US IG Corp A OAS, US IG Corp BBB OAS, US HY Corp BB STW, US HY Corp B STW, Lev Loans

Slide 11 – Spread Differential: 3-mo. LIBOR vs. Repo Funding Rate

- (1) Chart compares LIBOR on each day to the average rate of EARN's repo financing outstanding on that day. Because repo financing may be entered into for an extended term at a rate fixed at the beginning of the term, the average outstanding repo rate on a given day may reflect rates set in a rate environment weeks or months before that day. The average rate on outstanding repo financing on a day may differ materially from the rate available to establish repo financing on that day.

Slide 15 – Agency Portfolio Summary

- (1) Does not include long TBA positions with a notional value of \$299.3 million and a market value of \$302.2 million as of March 31, 2021. Does not include long TBA positions with a notional value of \$317.9 million and a market value of \$332.4 million as of December 31, 2020.
- (2) Fair value shown in millions.
- (3) Represents weighted average net pass-through rate.

Slide 16 – CPR Breakout of Agency Fixed Long Portfolio

- (1) Does not include long TBA positions, reverse mortgage pools, or fixed rate IOs.
- (2) Classification methodology may change over time as market practices change.
- (3) Fair value shown in millions.
- (4) "MHA" indicates those pools where underlying borrowers have participated in the Making Homes Affordable program.

Slide 18 – Repo Borrowings

- (1) As of March 31, 2021 and December 31, 2020, the Company had no outstanding borrowings other than under repurchase agreements.

Slide 19 – Interest Rate Sensitivity Analysis

- (1) Based on the market environment as of March 31, 2021. Results are based on forward-looking models, which are inherently imperfect, and incorporate various simplifying assumptions. Therefore, the table above is for illustrative purposes only and actual changes in interest rates would likely cause changes in the actual value of our portfolio that would differ from those presented above, and such differences might be significant and adverse.

Slide 20 – Financial Derivatives as of March 31, 2021

- (1) Notional amount represents the principal balance of the underlying Agency RMBS.
- (2) Cost basis represents the forward price to be paid for the underlying Agency RMBS.
- (3) Market value represents the current market value of the underlying Agency RMBS (on a forward delivery basis) as of March 31, 2021.
- (4) Net carrying value represents the difference between the market value of the TBA contract as of March 31, 2021 and the cost basis, and is included in Financial derivatives-assets, at fair value and Financial derivatives-liabilities, at fair value on the Consolidated Balance Sheet.

Slide 22 – Consolidated Balance Sheet

- (1) Derived from audited financial statements as of December 31, 2020.

Slide 23 – Reconciliation of Core Earnings to Net Income (Loss)

- (1) Core Earnings consists of net income (loss), excluding realized and change in net unrealized gains and (losses) on securities and financial derivatives, and excluding, if applicable, any non-recurring items of income or loss. Core Earnings also excludes the effect of the Catch-up Premium Amortization Adjustment on interest income. The Catch-up Premium Amortization Adjustment is a quarterly adjustment to premium amortization triggered by changes in actual and projected prepayments on our Agency RMBS (accompanied by a corresponding offsetting adjustment to realized and unrealized gains and losses). The adjustment is calculated as of the beginning of each quarter based on our then-current assumptions about cashflows and prepayments, and can vary significantly from quarter to quarter. Core Earnings includes net realized and change in net unrealized gains (losses) associated with periodic settlements on interest rate swaps. Core Earnings is a supplemental non-GAAP financial measure. We believe that Core Earnings provides information useful to investors because it is a metric that we use to assess our performance and to evaluate the effective net yield provided by the portfolio. Moreover, one of our objectives is to generate income from the net interest margin on the portfolio, and Core Earnings is used to help measure the extent to which this objective is being achieved. In addition, we believe that presenting Core Earnings enables our investors to measure, evaluate and compare our operating performance to that of our peer companies. However, because Core Earnings is an incomplete measure of our financial results and differs from net income (loss) computed in accordance with GAAP, it should be considered as supplementary to, and not as a substitute for, net income (loss) computed in accordance with GAAP. The table above reconciles, for the three-month periods ended March 31, 2021 and December 31, 2020, our Core Earnings to the line on our Consolidated Statement of Operations entitled Net Income (Loss), which we believe is the most directly comparable GAAP measure.

Slide 24 – About Ellington Management Group

- (1) \$12.9 billion in assets under management includes approximately \$1.4 billion in Ellington-managed CLOs. For these purposes, the Ellington-managed CLO figure represents the aggregate outstanding balance of CLO notes and market value of CLO equity, excluding any notes and equity held by other Ellington-managed funds and accounts.
- (2) Does not include partners formerly employed by Ellington who may have residual capital balances but who no longer have voting rights in the partnership.
- (3) Registration with the SEC does not imply that the firm or any of its principals or employees possess a particular level of skill or training in the investment advisory or any other business.

EARN

ELLINGTON RESIDENTIAL MORTGAGE REIT

Investors:

Ellington Residential Mortgage REIT
(203) 409-3773
info@earnreit.com

Media:

Amanda Klein or Kevin FitzGerald
Gasthalter & Co.
for Ellington Residential Mortgage REIT
(212) 257-4170
Ellington@gasthalter.com

Ellington Residential Mortgage REIT
53 Forest Ave
Old Greenwich, CT 06870
www.earnreit.com

