

FINANCIAL SUPPLEMENT

1st Quarter 2020

DISCLAIMER

This presentation includes “forward-looking statements” within the meaning of the safe harbor provisions of the United States Private Securities Litigation Reform Act of 1995. Actual results may differ from expectations, estimates and projections and, consequently, readers should not rely on these forward-looking statements as predictions of future events. Words such as “goal” “expect,” “target,” “assume,” “estimate,” “project,” “budget,” “forecast,” “anticipate,” “intend,” “plan,” “may,” “will,” “could,” “should,” “believe,” “predicts,” “potential,” “continue,” and similar expressions are intended to identify such forward-looking statements. These forward-looking statements involve significant risks and uncertainties that could cause actual results to differ materially from expected results, including, among other things, those described in our most recent Annual Report on Form 10-K, and any subsequent Quarterly Reports on Form 10-Q and Current Report on Form 8-K, under the caption “Risk Factors.” Factors that could cause actual results to differ include, but are not limited to: our business and investment strategy; our ability to accurately forecast the payment of future dividends on our common and preferred stock, and the amount of such dividends; our ability to determine accurately the fair market value of our assets; availability of investment opportunities in real estate-related and other securities, including our valuation of potential opportunities that may arise as a result of current and future market dislocations; effect of the novel coronavirus (or COVID-19) pandemic on real estate market, financial markets and our Company, including the impact on the value, availability, financing and liquidity of mortgage assets; how COVID-19 may affect us, our operations and our personnel; our expected investments; changes in the value of our investments, including negative changes resulting in margin calls related to the financing of our assets; changes in interest rates and mortgage prepayment rates; prepayments of the mortgage and other loans underlying our mortgage-backed securities, or RMBS, or other asset-backed securities, or ABS; rates of default, delinquencies or decreased recovery rates on our investments; general volatility of the securities markets in which we invest; our ability to maintain existing financing arrangements and our ability to obtain future financing arrangements; our ability to effect our strategy to securitize residential mortgage loans; interest rate mismatches between our investments and our borrowings used to finance such purchases; effects of interest rate caps on our adjustable-rate investments; the degree to which our hedging strategies may or may not protect us from interest rate volatility; the impact of and changes to various government programs, including in response to COVID-19; impact of and changes in governmental regulations, tax law and rates, accounting guidance, and similar matters; market trends in our industry, interest rates, the debt securities markets or the general economy; estimates relating to our ability to make distributions to our stockholders in the future; our understanding of our competition; availability of qualified personnel; our ability to maintain our classification as a real estate investment trust, or REIT, for U.S. federal income tax purposes; our ability to maintain our exemption from registration under the Investment Company Act of 1940, as amended, or 1940 Act; our expectations regarding materiality or significance; and the effectiveness of our disclosure controls and procedures.

Readers are cautioned not to place undue reliance upon any forward-looking statements, which speak only as of the date made. Chimera does not undertake or accept any obligation to release publicly any updates or revisions to any forward-looking statement to reflect any change in its expectations or any change in events, conditions or circumstances on which any such statement is based. Additional information concerning these and other risk factors is contained in Chimera’s most recent filings with the Securities and Exchange Commission (SEC). All subsequent written and oral forward-looking statements concerning Chimera or matters attributable to Chimera or any person acting on its behalf are expressly qualified in their entirety by the cautionary statements above.

This presentation may include industry and market data obtained through research, surveys, and studies conducted by third parties and industry publications. We have not independently verified any such market and industry data from third-party sources. This presentation is provided for discussion purposes only and may not be relied upon as legal or investment advice, nor is it intended to be inclusive of all the risks and uncertainties that should be considered. This presentation does not constitute an offer to purchase or sell any securities, nor shall it be construed to be indicative of the terms of an offer that the parties or their respective affiliates would accept.

Readers are advised that the financial information in this presentation is based on company data available at the time of this presentation and, in certain circumstances, may not have been audited by the company’s independent auditors.

PORTFOLIO COMPOSITION

Net Investment Analysis⁽²⁾

| | RESIDENTIAL MORTGAGE CREDIT PORTFOLIO | AGENCY PORTFOLIO | TOTAL PORTFOLIO |
|-----------------------------------|--|---------------------|--------------------|
| GROSS ASSET YIELD: | 6.0% | 3.7% | 5.3% |
| FINANCING COSTS ⁽³⁾ | 3.3% | 2.4% | 3.0% |
| NET INTEREST SPREAD: | 2.7% | 1.3% | 2.3% |
| NET INTEREST MARGIN: | 3.2% | 1.4% | 2.7% |

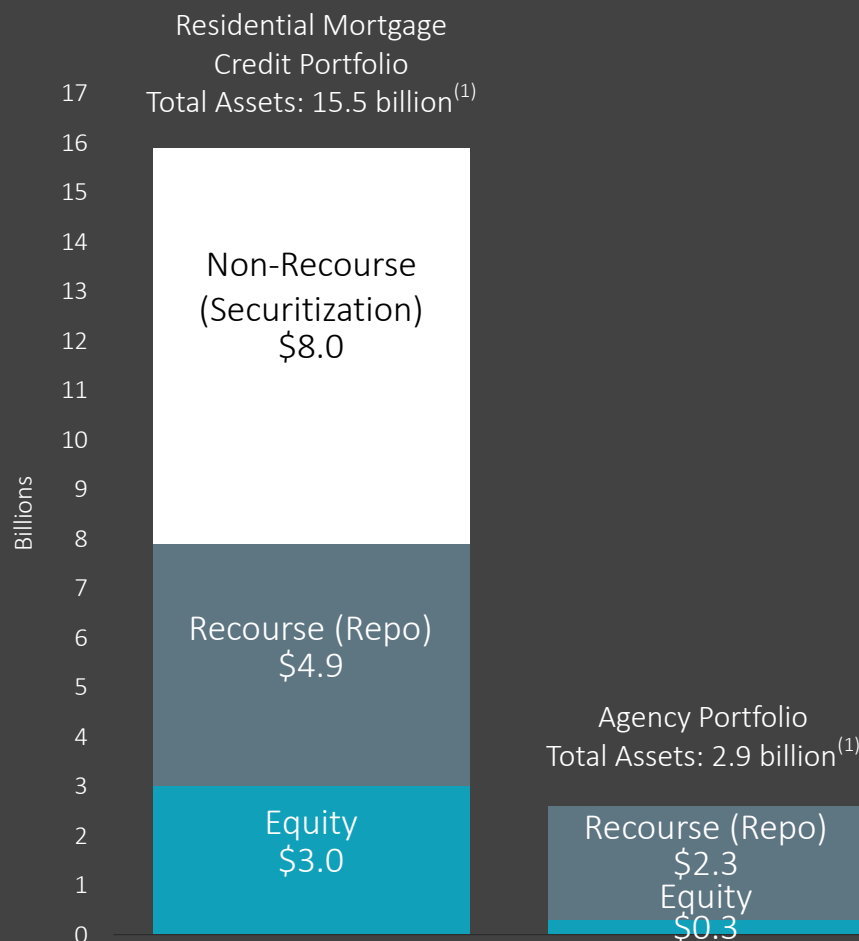
All data as of March 31, 2020

(1) Financing excludes unsettled trades.

(2) Reflects first quarter 2020 average assets, yields, and spreads.

(3) Includes the interest incurred on interest rate swaps.

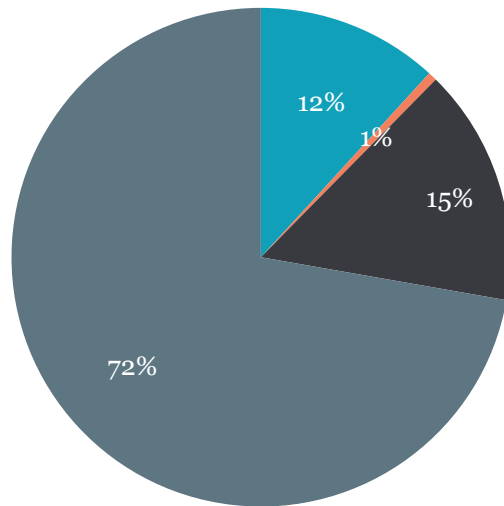
91% of Chimera's equity capital is allocated to mortgage credit



GAAP ASSET ALLOCATION

Chimera added to the loan portfolio during the quarter

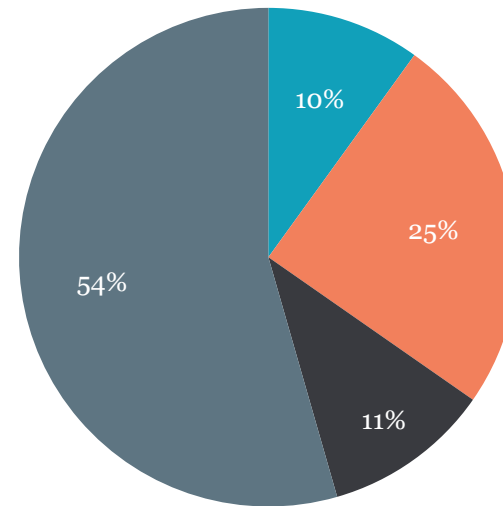
March 31, 2020



■ Non-Agency MBS ■ Agency RMBS
■ Agency CMBS ■ Loan Portfolio

Total Portfolio: \$18.4 billion

December 31, 2019



■ Non-Agency MBS ■ Agency RMBS
■ Agency CMBS ■ Loan Portfolio

Total Portfolio: \$26.2 billion

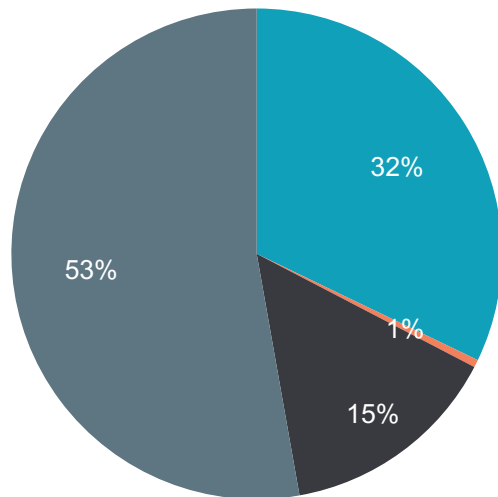
Based on fair value.

Information is unaudited, estimated and subject to change.

GAAP FINANCING SOURCES

Chimera operates at **4.7:1** total leverage and **2.2:1** recourse leverage⁽¹⁾

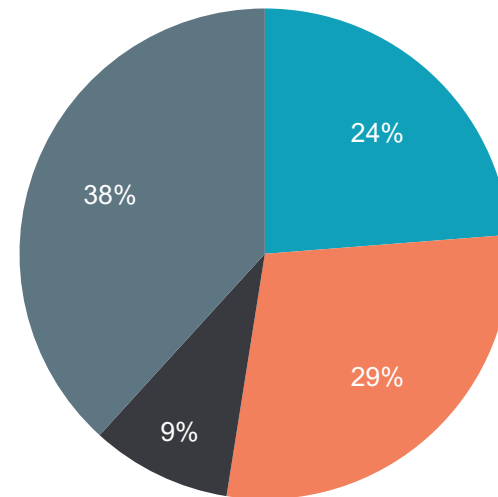
March 31, 2020



- Non-Agency Repurchase Agreements, RMBS
- Agency Repurchase Agreements, RMBS
- Agency Repurchase Agreements, CMBS
- Non-Recourse Debt, Securitized RMBS and Loans (2)

Total Portfolio: \$15.1 billion

December 31, 2019



- Non-Agency Repurchase Agreements, RMBS
- Agency Repurchase Agreements, RMBS
- Agency Repurchase Agreements, CMBS
- Non-Recourse Debt, Securitized RMBS and Loans (2)

Total Portfolio: \$21.7 billion

(1) Leverage ratios as of March 31, 2020

(2) Consists of tranches of RMBS and loan securitizations sold to third parties.

CONSOLIDATED LOAN SECURITIZATIONS

| VINTAGE | DEAL | TOTAL ORIGINAL FACE | TOTAL OF TRANCHES SOLD | TOTAL OF TRANCHES RETAINED | TOTAL REMAINING FACE | REMAINING FACE OF TRANCHES SOLD | REMAINING FACE OF TRANCHES RETAINED |
|---------|----------------------------|---------------------|------------------------|----------------------------|----------------------|---------------------------------|-------------------------------------|
| 2020 | CIM 2020-R2 | \$492,347 | \$351,926 | \$140,421 | \$492,347 | \$351,926 | \$140,421 |
| 2020 | CIM 2020-R1 | \$390,761 | \$317,608 | \$73,153 | 388,145 | 315,081 | 73,064 |
| 2019 | CIM 2019-R5 | 315,039 | 252,224 | 62,815 | 303,666 | 240,956 | 62,710 |
| 2019 | CIM 2019-R4 | 320,802 | 200,000 | 120,802 | 308,835 | 244,674 | 64,161 |
| 2019 | CIM 2019-R3 ⁽¹⁾ | 342,633 | 291,237 | 51,396 | 323,299 | 271,885 | 51,414 |
| 2019 | CIM 2019-R2 | 464,327 | 358,172 | 106,155 | 448,071 | 342,277 | 105,794 |
| 2019 | CIM 2019-R1 | 371,762 | 297,409 | 74,353 | 351,060 | 277,047 | 74,013 |
| 2018 | CIM 2018-NR1 | 257,548 | — | 257,548 | 173,349 | — | 173,349 |
| 2018 | CIM 2018-R6 | 478,251 | 334,775 | 143,476 | 393,153 | 250,730 | 142,423 |
| 2018 | CIM 2018-R5 | 380,194 | 266,136 | 114,058 | 300,803 | 188,428 | 112,375 |
| 2018 | CIM 2018-R4 | 387,222 | 271,056 | 116,166 | 320,173 | 204,958 | 115,215 |
| 2018 | CIM 2018-R3 | 181,073 | 146,669 | 34,404 | 134,237 | 100,551 | 33,686 |
| 2018 | CIM 2018-R2 | 380,292 | 266,204 | 114,088 | 288,871 | 175,010 | 113,861 |
| 2018 | CIM 2018-R1 | 169,032 | 140,297 | 28,735 | 133,104 | 104,235 | 28,869 |
| 2017 | CMLTI 2017-RP2 | 421,329 | 341,276 | 80,053 | 323,752 | 245,316 | 78,436 |
| 2017 | CIM 2017-8 | 1,148,050 | 688,829 | 459,221 | 853,271 | 404,169 | 449,102 |
| 2017 | CIM 2017-7 | 512,446 | 341,062 | 171,384 | 382,925 | 216,146 | 166,779 |
| 2017 | CIM 2017-6 | 782,725 | 626,179 | 156,546 | 556,420 | 403,640 | 152,780 |
| 2017 | CIM 2017-5 | 377,034 | 75,407 | 301,627 | 280,556 | 57,857 | 222,699 |
| 2017 | CIM 2017-4 | 830,510 | 710,003 | 120,507 | 449,892 | 345,270 | 104,622 |
| 2017 | CIM 2017-3 | 2,434,640 | 2,113,267 | 321,373 | 1,490,917 | 1,189,264 | 301,653 |
| 2017 | CIM 2017-2 | 331,440 | 248,580 | 82,860 | 227,710 | 148,398 | 79,312 |
| 2017 | CIM 2017-1 | 526,267 | 368,387 | 157,880 | 337,185 | 186,111 | 151,074 |
| 2016 | CIM 2016-FRE1 | 185,811 | 115,165 | 70,646 | 117,880 | 54,392 | 63,488 |
| 2016 | CIM 2016-3 | 1,746,084 | 1,478,933 | 267,151 | 961,393 | 726,456 | 234,937 |
| 2016 | CIM 2016-2 | 1,762,177 | 1,492,563 | 269,614 | 969,327 | 730,533 | 238,794 |
| 2016 | CIM 2016-1 | 1,499,341 | 1,266,898 | 232,443 | 820,179 | 620,327 | 199,852 |
| 2012 | CSMC 2012-CIM3 | 329,886 | 305,804 | 24,082 | 80,301 | 65,080 | 15,221 |
| 2008 | PHHMC 2008-CIM1 | 619,710 | 549,142 | 70,568 | 22,525 | 16,496 | 6,029 |
| | TOTAL | \$18,438,733 | \$14,215,208 | \$4,223,525 | \$12,233,346 | \$8,477,213 | \$3,756,133 |

All data as of March 31, 2020

\$ in thousands

(1) Accounted for as a secured borrowing

Information is unaudited, estimated and subject to change.

AGENCY SECURITIES AND REPO SUMMARY

Agency Securities – As of March 31, 2020

| SECURITY TYPE | COUPON ⁽¹⁾ | CURRENT FACE | WEIGHTED AVERAGE MARKET PRICE | WEIGHTED AVERAGE CPR |
|---------------------|-----------------------|--------------------|-------------------------------|----------------------|
| Agency Pass-through | 3.5% | \$— | — | — |
| | 4.0% | — | — | — |
| | 4.5% | — | — | — |
| Commercial | 3.8% | 2,506,240 | 111.2 | 0.2 |
| Agency IO | 1.6% | N/M ⁽²⁾ | 7.1 | 16.9 |
| ACMBS IO | 0.6% | N/M ⁽²⁾ | 2.6 | 5.3 |
| Total | | \$2,506,240 | | |

Repo Days to Maturity – As of March 31, 2020

| MATURITY | PRINCIPAL BALANCE | WEIGHTED AVERAGE RATE | WEIGHTED AVERAGE DAYS |
|----------------|--------------------|-----------------------|-----------------------|
| Within 30 days | \$2,262,677 | 1.06% | |
| 30 to 59 days | — | —% | |
| 60 to 89 days | 19,422 | 0.60% | |
| 90 to 360 days | — | —% | |
| Total | \$2,282,099 | 1.06% | 14 Days |

(1) Coupon is a weighted average for Commercial and Agency IO

(2) Total Agency IO and ACMBS IO Notional was \$3.2 billion and \$3.2 billion as of March 31, 2020 and December 31, 2019 respectively.

Agency Securities – As of December 31, 2019

| SECURITY TYPE | COUPON ⁽¹⁾ | CURRENT FACE | WEIGHTED AVERAGE MARKET PRICE | WEIGHTED AVERAGE CPR |
|---------------------|-----------------------|--------------------|-------------------------------|----------------------|
| Agency Pass-through | 3.5% | \$339,687 | 104.2 | 22.0 |
| | 4.0% | 5,437,343 | 104.5 | 38.0 |
| | 4.5% | 303,519 | 106.3 | 44.8 |
| Commercial | 3.7% | 2,621,938 | 106.9 | — |
| Agency IO | 1.6% | N/M ⁽²⁾ | 8.3 | 14.9 |
| ACMBS IO | 0.7% | N/M ⁽²⁾ | 2.7 | 5.3 |
| Total | | \$8,702,487 | | |

Repo Days to Maturity – As of December 31, 2019

| MATURITY | PRINCIPAL BALANCE | WEIGHTED AVERAGE RATE | WEIGHTED AVERAGE DAYS |
|----------------|--------------------|-----------------------|-----------------------|
| Within 30 days | \$8,143,851 | 2.10% | |
| 30 to 59 days | 116,939 | 2.15% | |
| 60 to 89 days | — | —% | |
| 90 to 360 days | — | —% | |
| Total | \$8,260,790 | 2.10% | 14 Days |

