UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Form 10-Q

	J	rorm 10-Q	
\boxtimes	QUARTERLY REPORT PURS SECURITIES EXCHANGE AC		N 13 OR 15(d) OF THE
	For the quarterly period ended March	31, 2022	
		or	
	TRANSITION REPORT PURS SECURITIES EXCHANGE AC		N 13 OR 15(d) OF THE
	For the transition period from	_ to	
	Commi	ission File No. 000-51399	
	FEDERAL HOME L	OAN BANK (f registrant as specified in its cha	
	Federally chartered corporation of the l (State or other jurisdiction of incorporation or organization)	United States	31-6000228 (I.R.S. Employer Identification No.)
	600 Atrium Two, P.O. Box 598, Cincin (Address of principal executive office.		45201-0598 (Zip Code)
	(Registrant's te	(513) 852-7500 lephone number, including area o	ode)
Securit	es registered pursuant to Section 12(b) of the	Act: None	
Exchange Ac		for such shorter period th	to be filed by Section 13 or 15(d) of the Securities at the registrant was required to file such reports),
	tule 405 of Regulation S-T during the preced	· ·	ery Interactive Data File required to be submitted a shorter period that the registrant was required to
reporting correporting cor		ee the definitions of "larg Rule 12b-2 of the Exchange Accelerated Filer □	
NOI	-accelerated Filer 🖾	Smaller reporting compan Emerging growth compan	
	nerging growth company, indicate by check n ith any new or revised financial accounting st		ected not to use the extended transition period for to Section 13(a) of the Exchange Act. □
Indicate	by check mark whether the registrant is a sho ☐ Yes ☒ No	ell company (as defined in	Rule 12b-2 of the Exchange Act).

The capital stock of the registrant is not listed on any securities exchange or quoted on any automated quotation system, only may be owned by members and former members and is transferable only at its par value of \$100 per share. As of April 30, 2022, the registrant had 31,973,859 shares of capital stock outstanding, which included stock classified as mandatorily redeemable.

PART I - FINANCIAL INFORMATION

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PART I – FINANCIAL INFORMATION

Item 1. Financial Statements.

FEDERAL HOME LOAN BANK OF CINCINNATI STATEMENTS OF CONDITION (Unaudited)

(In thousands, except par value)

ASSETS Cash and due from banks \$ 1,8,8 \$ 16,78.2 Interest-bearing deposits 435,047 340,147 Securities purchased under agreements to resell 6,024,560 1,282,440 Federal funds sold 6,095,000 5,505,000 Investment securities 6,050,632 6,780,817 Available-for-sale securities (amortized cost of \$6,310,883 and \$5,240,998 at March 31, 2022 and December 31, 2021, respectively) 6,299,236 5,267,123 Held-to-maturity securities (includes \$80 and \$0 pledaged as collateral at March 31, 2022 and December 31, 2021, respectively, that may be repledaged) ¹⁶⁰ 10,904,822 10,216,756 Total investment securities 23,254,600 22,264,600 Advances (includes \$23,365 and \$25,805 at fair value under fair value option at March 31, 2022, and December 31, 2021, respectively 33,528,853 23,054,748 Morrigage foams held for portfolio, net of allowance for credit losses of \$238 and \$233 at March 31,2022 and December 31, 2021, respectively 7,555,457 7,558,184 Accrued interest receivable 113,677 8,672 28,140 Other assets, net 24,515 9,7335,856 6,017,585 LABLETTE 5 1,316,60 29,837,606 <t< th=""><th></th><th>Ma</th><th>arch 31, 2022</th><th colspan="3">December 31, 2021</th></t<>		Ma	arch 31, 2022	December 31, 2021		
Securities purchased under agreements to resell 6,024,506 1,282,404 6,024,506 5,050,000 5,050,000 1,000,000 1,			•4.000			
Federal funds sold 6,024,506 5,205,006 1,202,400 1,000,0		\$		\$,	
Roder Infuse sold Roder						
Trading securities Trading securities Available For-sale securities (amortized cost of \$6,310,883 and \$5,240,998 at March 31, 2022 and December 31, 2021, respectively Held-to-maturity securities (includes \$0 and \$0 pledged as collateral at March 31, 2022 and December 31, 2021, respectively, that may be repledged March 31, 2022 and December 31, 2021, respectively, that may be repledged March 31, 2022 and December 31, 2021, respectively, that may be repledged March 31, 2022 and December 31, 2021, respectively March 31, 318, 159 297,736						
Trading securities 6,050,632 6,780,817 Available-for-sale securities (amortized cost of \$6,310,883 and \$5,240,998 at March 31, 2022 and December 31, 2021, respectively) Held-to-maturity securities (includes \$0 and \$0 pledged as collateral at March 31, 2022 and December 31, 2021, respectively, that may be repledged) Total investment securities 23,254,690 22,264,696 Advances (includes \$24,365 and \$25,805 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively) Mortgage Ioans held for portfolio, net of allowance for credit losses of \$238 and \$233 at March 31, 2021 and December 31, 2021, respectively Accrued interest receivable 31,2021, respectively Accrued interest receivable 31,2021, respectively Total cases 24,515 29,736 29,736 Derivative assets 318,159 29,736 29,837,600 Consolidated Obligations: 24,515 28,410 Total cases 31,500,88 3,415,550 3,415,550 Consolidated Obligations: 31,500,88 3,455,550 Bonds (includes \$4,274,440 and \$7,175,606 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively Bonds (includes \$4,274,440 and \$7,175,606 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively Bonds (includes \$4,274,440 and \$7,175,606 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively Bonds (includes \$4,274,440 and \$7,175,606 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively Bonds (includes \$4,274,440 and \$7,175,606 at fair value under fair value option at March 31, 2022 and 20,000,000,000,000,000,000,000,000,000,			8,059,000		5,505,000	
Available-for-sale securities (amortized cost of \$6,310,883 and \$5,240,998 at March 31, 2022 and December 31, 2021, respectively) 10,216,756 11,3677 11,567,758,1457 11,567,75			6.050.622		6 = 00 01 =	
Red Render 31, 2021, respectively Red Render 31, 2021, respectively, that may be repledged) Red Render 31, 2021, respectively, that may be repledged) Render 31, 2021, respectively, that may be repledged) Render 31, 2021, respectively Render 31, 2022, and December 31, 2021, respectively Render 31, 2022, respectively Render 31, 2021, respectively Render 31, 2022,	•		6,050,632		6,780,817	
Discember 31, 2021, respectively, that may be repledged) Discember 31, 2021, respectively Discember 31, 2022, respe	and December 31, 2021, respectively)		6,299,236		5,267,123	
Advances (includes \$24,365 and \$25,805 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively) 33,528,853 7,555,457 7,588,184 March 31, 2022 and December 31, 2021, respectively 113,677 88,672 113,677 88,672 113,677 88,672 113,677 88,672 113,677 88,672 113,677 88,672 113,677 88,672 113,677 88,672 113,677 88,672 113,677 88,672 113,677 88,672 113,677 88,672 113,677 88,672 113,677 88,672 113,677 88,672 113,677 88,672 113,675 113,67	Held-to-maturity securities (includes \$0 and \$0 pledged as collateral at March 31, 2022 and December 31, 2021, respectively, that may be repledged) (a)		10,904,822		10,216,756	
Mortgage loans held for portfolion, net of allowance for credit losses of \$238 and \$233 at March 31, 2022 and December 31, 2021, respectively 7,555,457 7,588,184 Accrued interest receivable 113,677 88,672 Derivative assets 318,192 24,515 28,140 TOTAL ASSETS 24,515 28,140 TOTAL ASSETS 1,510,088 1,415,651 Deposits 7,9335,856 60,617,585 LIABILITIES 1,510,088 1,415,651 Deposition 1,510,088 1,415,651 Consolidated Obligations: 31,650,657 29,837,696 Dands (includes \$5,063,294 and \$10,420,974 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively 31,650,657 29,837,696 Dands (includes \$4,274,440 and \$7,175,060 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively 3,401,401,401,401,401,401,401,401,401,401	Total investment securities		23,254,690		22,264,696	
March 31, 2022 and December 31, 2021, respectively 7,555,457 7,588,184 Accrued interest receivable 318,159 297,736 Other assets, net 24,515 28,140 TOTAL ASSETS \$ 79,335,856 \$ 60,617,585 LIABILITIES \$ 1,510,088 \$ 1,415,651 Deposits \$ 1,510,088 \$ 1,415,651 Consolidated Obligations \$ 1,500,667 29,837,696 Bonds (includes \$5,063,294 and \$10,420,974 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively) 31,650,657 29,837,696 Bonds (includes \$4,274,440 and \$7,175,060 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively) 40,015,698 24,601,838 Total Consolidated Obligations 71,666,355 54,430,534 Mandatorily redeemable capital stock 528,881 21,211 Accurued interest payable 57,152 60,682 Affordable Housing Program payable 80,403 84,504 Derivative liabilities 75,062,957 56,821,684 Total liabilities 75,062,957 56,821,684 Commitments and contingencies 78,3592 783,	Advances (includes \$24,365 and \$25,805 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively)		33,528,853		23,054,748	
Accrued interest receivable 113,677 88,672 Derivative assets 318,159 297,736 Other assets, net 24,515 28,140 TOTAL ASSETS \$ 79,335,855 606,07,585 LIABILITIES \$ 1,510,088 \$ 1,415,651 Consolidated Obligations \$ 1,510,088 \$ 1,415,651 Discount Notes (includes \$5,063,294 and \$10,420,974 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively) 31,650,657 29,837,696 Bonds (includes \$4,274,440 and \$7,175,060 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively) 40,015,698 24,601,838 Total Consolidated Obligations 71,666,355 54,439,534 Accruced interest payable 528,881 21,211 Accruced interest payable 50,603 84,604 Affordable Housing Program payable 51,264 3,291 Other liabilities 75,062,957 56,821,681 Total liabilities 3,000,535 2,490,016 Commitments and contingencies 3,000,535 2,490,016 Retained earmings: 3,000,535 2,490,016 <td< td=""><td>Mortgage loans held for portfolio, net of allowance for credit losses of \$238 and \$233 at</td><td></td><td></td><td></td><td></td></td<>	Mortgage loans held for portfolio, net of allowance for credit losses of \$238 and \$233 at					
Derivative assets Sin 15 15 15 15 15 15 15 1						
Other assets, net 24,515 28,140 TOTAL ASSETS 5 79,335,856 2 60,617,858 Labilities 1,510,088 1,510,088 1,415,651 Consolidated Obligations 31,500,657 29,837,696 Bonds (includes \$5,063,294 and \$10,420,974 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively) 31,650,657 29,837,696 Bonds (includes \$4,274,440 and af5,1715,060 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively) 40,015,698 24,601,838 Bonds (includes \$4,274,440 and af5,1715,060 at fair value under fair value option at March 31, 2066,355 54,439,534 34,015,698 24,601,838 Bonds (includes \$4,274,440 and \$7,175,600 at fair value under fair value option at March 31, 2066,355 54,439,534 34,015,698 24,601,838 Bonds (includes \$4,274,400 and \$7,175,600 at fair value under fair value option at March 31,206,355 51,206,355 54,439,534 Mand Coronidated Obligations 51,266,355 54,439,534 34,015,698 24,601,838 34,015,698 24,601,838 34,015,698 34,015,698 34,015,698 34,015,698 34,015,698 34,015,698 34,015,698 34,015,698 34,015,698 34,01					*	
TOTAL ASSETS \$ 79,335,856 \$ 60,617,858 \$ 1,141,655 \$ 1,510,088 \$ 1,415,651 \$ 1,510,081 \$ 1,510,085 \$ 1,415,651 \$ 1,510,085 \$ 1,415,651 \$ 1,510,085 \$ 1,415,651 \$ 1,510,085 \$ 1,415,651 \$ 1,510,085 \$ 1,415,651 \$ 1,510,085 \$ 1,415,651 \$ 1,510,085 \$ 1,415,651 \$ 1,600,651 \$ 1,600,655 \$ 1,430,536 \$ 1,600,657 \$ 1,660,655 \$ 1,430,536 \$ 1,202,200 \$ 1,600,635 \$ 1,430,536						
Deposits	Other assets, net				_	
Deposits	TOTAL ASSETS	\$	79,335,856	\$	60,617,585	
Consolidated Obligations: 31,650,657 29,837,696 Discount Notes (includes \$5,063,294 and \$10,420,974 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively) 31,650,657 29,837,696 Bonds (includes \$4,274,440 and \$7,175,060 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively) 40,015,698 24,601,838 Total Consolidated Obligations 71,666,355 54,439,534 Mandatorily redeemable capital stock 528,881 21,211 Accrued interest payable 57,152 60,682 Affordable Housing Program payable 80,403 84,504 Derivative liabilities 1,766 3,291 Other liabilities 75,062,957 56,821,684 Commitments and contingencies CAPITAL Capital stock Class B putable (\$100 par value); issued and outstanding shares: 30,005 shares at March 31, 2022 and 24,900 shares at December 31, 2021 3,000,535 2,490,016 Retained earnings: 783,592 783,072 Restricted 512,941 509,719 Total retained earnings 1,296,533 1,292,791 Accumulated other comprehensive income (loss) 2(24,169) 13,094	LIABILITIES					
Discount Notes (includes \$5,063,294 and \$10,420,974 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively) 31,650,657 29,837,696 Bonds (includes \$4,274,440 and \$7,175,060 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively) 40,015,698 24,601,838 Total Consolidated Obligations 71,666,355 54,439,534 Mandatorily redeemable capital stock 528,881 21,211 Accrued interest payable 57,152 60,682 Affordable Housing Program payable 80,403 84,504 Derivative liabilities 1,766 3,291 Other liabilities 75,062,957 56,821,684 Commitments and contingencies 75,062,957 56,821,684 CAPITAL Capital stock Class B putable (\$100 par value); issued and outstanding shares: 30,005 shares at March 31, 2022 and 24,900 shares at December 31, 2021 3,000,535 2,490,016 Retained earnings: 10,296,533 1,296,533 1,292,791 Total retained earnings 1,296,533 1,292,791 Accumulated other comprehensive income (loss) (24,169) 13,094 Total capital 4,272,899 3,795,901	Deposits	\$	1,510,088	\$	1,415,651	
March 31, 2022 and December 31, 2021, respectively) 31,650,657 29,837,696 Bonds (includes \$4,274,440 and \$7,175,060 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively) 40,015,698 24,601,838 Total Consolidated Obligations 71,666,355 54,439,534 Mandatorily redeemable capital stock 528,881 21,211 Accrued interest payable 57,152 60,682 Affordable Housing Program payable 80,403 84,504 Derivative liabilities 1,766 3,291 Other liabilities 75,062,957 56,821,684 Commitments and contingencies 75,062,957 56,821,684 CAPITAL Capital stock Class B putable (\$100 par value); issued and outstanding shares: 30,005 shares at March 31, 2022 and 24,900 shares at December 31, 2021 3,000,535 2,490,016 Retained earnings 783,592 783,072 Restricted 512,941 509,719 Total retained earnings 1,296,533 1,292,791 Accumulated other comprehensive income (loss) (24,169) 13,094 Total capital 4,272,899 3,795,901	Consolidated Obligations:					
2022 and December 31, 2021, respectively) 40,015,698 24,601,838 Total Consolidated Obligations 71,666,355 54,439,534 Mandatorily redeemable capital stock 528,881 21,211 Accrued interest payable 57,152 60,682 Affordable Housing Program payable 80,403 84,504 Derivative liabilities 1,766 3,291 Other liabilities 1,218,312 796,811 Total liabilities 75,062,957 56,821,684 Commitments and contingencies 2 2 CAPITAL Capital stock Class B putable (\$100 par value); issued and outstanding shares: 30,005 shares at March 31, 2022 and 24,900 shares at December 31, 2021 3,000,535 2,490,016 Retained earnings: 783,592 783,072 Restricted 512,941 509,719 Total retained earnings 1,296,533 1,292,791 Accumulated other comprehensive income (loss) (24,169) 13,094 Total capital 4,272,899 3,795,901	Discount Notes (includes \$5,063,294 and \$10,420,974 at fair value under fair value option at March 31, 2022 and December 31, 2021, respectively)		31,650,657		29,837,696	
Mandatorily redeemable capital stock 528,881 21,211 Accrued interest payable 57,152 60,682 Affordable Housing Program payable 80,403 84,504 Derivative liabilities 1,766 3,291 Other liabilities 1,218,312 796,811 Total liabilities 75,062,957 56,821,684 Commitments and contingencies CAPITAL Capital stock Class B putable (\$100 par value); issued and outstanding shares: 30,005 shares at March 31, 2022 and 24,900 shares at December 31, 2021 3,000,535 2,490,016 Retained earnings: 783,592 783,072 Restricted 512,941 509,719 Total retained earnings 1,296,533 1,292,791 Accumulated other comprehensive income (loss) (24,169) 13,094 Total capital 4,272,899 3,795,901			40,015,698		24,601,838	
Accrued interest payable 57,152 60,682 Affordable Housing Program payable 80,403 84,504 Derivative liabilities 1,766 3,291 Other liabilities 1,218,312 796,811 Total liabilities 75,062,957 56,821,684 Commitments and contingencies TS TS Capital stock Class B putable (\$100 par value); issued and outstanding shares: 30,005 shares at March 31, 2022 and 24,900 shares at December 31, 2021 3,000,535 2,490,016 Retained earnings: T83,592 783,072 Restricted 512,941 509,719 Total retained earnings 1,296,533 1,292,791 Accumulated other comprehensive income (loss) (24,169) 13,094 Total capital 4,272,899 3,795,901	Total Consolidated Obligations		71,666,355		54,439,534	
Accrued interest payable 57,152 60,682 Affordable Housing Program payable 80,403 84,504 Derivative liabilities 1,766 3,291 Other liabilities 1,218,312 796,811 Total liabilities 75,062,957 56,821,684 Commitments and contingencies TS TS Capital stock Class B putable (\$100 par value); issued and outstanding shares: 30,005 shares at March 31, 2022 and 24,900 shares at December 31, 2021 3,000,535 2,490,016 Retained earnings: T83,592 783,072 Restricted 512,941 509,719 Total retained earnings 1,296,533 1,292,791 Accumulated other comprehensive income (loss) (24,169) 13,094 Total capital 4,272,899 3,795,901	Mandatorily redeemable capital stock		528,881		21,211	
Derivative liabilities 1,766 3,291 Other liabilities 1,218,312 796,811 Total liabilities 75,062,957 56,821,684 Commitments and contingencies CAPITAL Capital stock Class B putable (\$100 par value); issued and outstanding shares: 30,005 shares at March 31, 2022 and 24,900 shares at December 31, 2021 3,000,535 2,490,016 Retained earnings: Unrestricted 783,592 783,072 Restricted 512,941 509,719 Total retained earnings 1,296,533 1,292,791 Accumulated other comprehensive income (loss) (24,169) 13,094 Total capital 4,272,899 3,795,901	Accrued interest payable		57,152		60,682	
Other liabilities 1,218,312 796,811 Total liabilities 75,062,957 56,821,684 Commitments and contingencies CAPITAL Capital stock Class B putable (\$100 par value); issued and outstanding shares: 30,005 shares at March 31, 2022 and 24,900 shares at December 31, 2021 3,000,535 2,490,016 Retained earnings: Unrestricted 783,592 783,072 Restricted 512,941 509,719 Total retained earnings 1,296,533 1,292,791 Accumulated other comprehensive income (loss) (24,169) 13,094 Total capital 4,272,899 3,795,901	Affordable Housing Program payable		80,403		84,504	
Total liabilities 75,062,957 56,821,684 Commitments and contingencies CAPITAL Capital stock Class B putable (\$100 par value); issued and outstanding shares: 30,005 shares at March 31, 2022 and 24,900 shares at December 31, 2021 3,000,535 2,490,016 Retained earnings: Unrestricted 783,592 783,072 Restricted 512,941 509,719 Total retained earnings 1,296,533 1,292,791 Accumulated other comprehensive income (loss) (24,169) 13,094 Total capital 4,272,899 3,795,901	Derivative liabilities		1,766		3,291	
Commitments and contingencies CAPITAL Capital stock Class B putable (\$100 par value); issued and outstanding shares: 30,005 shares at March 31, 2022 and 24,900 shares at December 31, 2021 3,000,535 2,490,016 Retained earnings: 783,592 783,072 Restricted 512,941 509,719 Total retained earnings 1,296,533 1,292,791 Accumulated other comprehensive income (loss) (24,169) 13,094 Total capital 4,272,899 3,795,901	Other liabilities		1,218,312		796,811	
CAPITAL Capital stock Class B putable (\$100 par value); issued and outstanding shares: 30,005 shares at March 31, 2022 and 24,900 shares at December 31, 2021 3,000,535 2,490,016 Retained earnings: 783,592 783,072 Restricted 512,941 509,719 Total retained earnings 1,296,533 1,292,791 Accumulated other comprehensive income (loss) (24,169) 13,094 Total capital 4,272,899 3,795,901	Total liabilities		75,062,957		56,821,684	
Capital stock Class B putable (\$100 par value); issued and outstanding shares: 30,005 shares at March 31, 2022 and 24,900 shares at December 31, 2021 3,000,535 2,490,016 Retained earnings: 783,592 783,072 Restricted 512,941 509,719 Total retained earnings 1,296,533 1,292,791 Accumulated other comprehensive income (loss) (24,169) 13,094 Total capital 4,272,899 3,795,901	Commitments and contingencies					
March 31, 2022 and 24,900 shares at December 31, 2021 3,000,535 2,490,016 Retained earnings: Unrestricted 783,592 783,072 Restricted 512,941 509,719 Total retained earnings 1,296,533 1,292,791 Accumulated other comprehensive income (loss) (24,169) 13,094 Total capital 4,272,899 3,795,901	CAPITAL					
Unrestricted 783,592 783,072 Restricted 512,941 509,719 Total retained earnings 1,296,533 1,292,791 Accumulated other comprehensive income (loss) (24,169) 13,094 Total capital 4,272,899 3,795,901	Capital stock Class B putable (\$100 par value); issued and outstanding shares: 30,005 shares at March 31, 2022 and 24,900 shares at December 31, 2021		3,000,535		2,490,016	
Restricted 512,941 509,719 Total retained earnings 1,296,533 1,292,791 Accumulated other comprehensive income (loss) (24,169) 13,094 Total capital 4,272,899 3,795,901	Retained earnings:					
Total retained earnings 1,296,533 1,292,791 Accumulated other comprehensive income (loss) (24,169) 13,094 Total capital 4,272,899 3,795,901	Unrestricted		783,592		783,072	
Accumulated other comprehensive income (loss) (24,169) 13,094 Total capital 4,272,899 3,795,901	Restricted		512,941		509,719	
Accumulated other comprehensive income (loss) (24,169) 13,094 Total capital 4,272,899 3,795,901	Total retained earnings		1,296,533		1,292,791	
Total capital 4,272,899 3,795,901	Accumulated other comprehensive income (loss)		(24,169)		13,094	
·	. , ,				_	
	TOTAL LIABILITIES AND CAPITAL	\$	79,335,856	\$	60,617,585	

⁽a) Fair values: \$10,818,201 and \$10,269,821 at March 31, 2022 and December 31, 2021, respectively.

FEDERAL HOME LOAN BANK OF CINCINNATI STATEMENTS OF INCOME (Unaudited)

INTEREST INCOME: 2021 Advances \$ 45,318 \$ 1,100 Prepayment fees on Advances, net 2,699 1,240 Interest-bearing deposits 208 2,124 Eccurities purchased under agreements to resell 928 2,124 Eccurities purchased under agreements to resell 928 2,124 Eccurities purchased under agreements to resell 928 2,124 Evestment securities 5,108 3,508 2,502 Available-for-sale securities 2,108 2,973 4,505	(In thousands)	Three Months Ended March 31,						
Advances \$ 45,318 \$ 41,100 Prepament fees on Advance, net 2,09 1,340 Interest-bearing deposits 179 2,124 Securities purchased under agreements to resell 29.8 2,14 Federal funds sold 32.8 3,24 Federal funds sold 37,82 5,805 Investment securities 37,82 5,805 Available-for-sale securities 32,908 29,73 Held-to-maturity securities 32,908 29,73 Total investment securities 66,752 89,118 Morgage loans held for portfolio 66,752 89,118 Morgage loans held for portfolio 16,677 17,805 Total investment securities 10,607 77,805 Nordisted Obligations 10,802 5,468 Bonds 15,007 96,186 Total Consolidated Obligations 19,90 15,069 Bonds 19,90 15,069 Total inverse respect 86,81 10,186 Total Consolidated Obligations 19,00 15,00		2022		2021				
Prepayment fees on Advances, net Interest-bearing deposits 2,699 1,340 Interest-bearing deposits 218 218 Securities purchased under agreements to resell 3,225 1,342 Federa funds sold 3,225 1,342 Investment securities 37,826 58,052 Available-for-sale securities 5,018 1,335 Held-to-maturity securities 23,908 29,731 Held-to-maturity securities 66,752 89,118 Morgage loans held for portfolio 48,576 44,414 Total intrest income 10,677 177,805 INTEREST EXPENSE: Unsecont Notes 10,802 5,468 Bonds 75,075 96,186 Total Consolidated Obligations 83,877 101,634 Total Consolidated Obligations 88,887 101,892 Total Consolidated Obligations 80,887 101,892 Total Consolidated Obligations 80,887 101,693 Total Consolidated Obligations 80,887 101,892 Total Consolidate Obligations	INTEREST INCOME:							
Interest-bearing deposits 179 217 Securities purchased under agreements to resell 282 214 Ecceral funds sold 3,225 1,342 Investment securities 3,225 50.52 Available-for-sale securities 5,018 1,335 Hold-to-maturity securities 5,018 1,335 Hold-to-maturity securities 66,752 89,118 Total investment securities 66,752 89,118 Mortagae loans held for portfolio 48,576 44,414 Total investment securities 167,677 17,805 INTEREST EXPENSE 3 44,50 ENDESCENT 10,802 5,468 Bonds 75,075 96,186 Bonds 75,075 96,186 Bonds 75,075 96,186 Bonds 85,877 10,158 Total consolidated Obligations 85,877 10,159 Bonds 85,875 10,159 Position 1,20 4,20 Mandatorily redeemable capital stock 8,287	Advances	\$	45,318	\$	41,160			
Securities purchased under agreements to reself 928 214 Federal funds sold 3,225 1,328 Investment securities 37,826 58,052 Available-for-sale securities 5,018 1,335 Beld-to-maintrip securities 23,098 29,731 Total investment securities 66,752 89,118 Morgage loans held for portfolio 16,677 17,802 Total investment securities 16,677 17,802 Morgage loans held for portfolio 16,677 17,802 Total investment securities 16,677 17,802 Not part text section 18,678 17,802 Bound to State S	Prepayment fees on Advances, net		2,699		1,340			
Federal funds sold 3,225 1,325 Investment securities 37,826 \$8,078 Available-for-sale securities 5,018 1,335 Held-to-maturity securities 6,502 89,118 Total investment securities 6,652 89,118 Mortgage loans held for portfolio 48,576 44,414 Total interest income 16,077 17,805 INTEREST EXPENSES Consolidated Obligations 10,802 5,468 Bonds 75,075 96,186 Bonds 75,075 96,186 Bonds 75,075 96,186 Total Consolidated Obligations 179 151 Bonds 75,075 96,186 Total Interest expense 8,979 101,682 Position 80,799 151 Mandatority redeemable capital stock 80,799 15,999 Nor Interest income 80,799 75,906 Position Function (LOSS) 16,061 18,078 3,905 Ret gains (losses) on financial instruments held	Interest-bearing deposits		179		217			
Investment securities 37,826 58,052 Available for-sale securities 5,018 1,335 Held-to-maturity securities 23,908 29,731 Total investment securities 66,522 89,118 Mortgage loans held for portfolio 48,576 44,414 Total investment securities 167,677 17,805 NETERST EXPENSE: Unsterest EXPENSES Discound Notes 75,075 96,186 Bonds 75,075 96,186 Bonds 75,075 96,186 Bonds 75,075 96,186 Total Consolidated Obligations 88,877 101,654 Exposition 88,887 101,892 Total Consolidated Obligations 88,887 101,892 Mortific Expense 86,887 101,895 Mortific Expense 86,887 101,899 NET INTEREST INCOME 80,900 75,905 Net gains (losses) on investment securities (160,163) (138,860) Net gains (losses) on financial instruments held under fair value option	Securities purchased under agreements to resell		928		214			
Trading securities 37,826 58,052 Available-for-sale securities 5,018 1,335 Held-to-maturity securities 29,731 Total investment securities 66,752 89,118 Mortgage loans held for portfolio 48,576 44,414 Total interest income 167,677 178,005 INTEREST EXPENSE: Consolidated Obligations 10,802 5,468 Bonds 10,802 5,618 Bonds 75,075 96,186 Total Consolidated Obligations 179 151 Mandatorily redeemable capital stock 831 94 Total interest expense 8,877 10,654 Met pains (losses) on investment securities 8,079 75,905 Not Interest TINCOME 8,079 75,906 Net gains (losses) on investment securities (160,163) 138,808 Net gains (losses) on investment securities (160,163) 138,809 Net gains (losses) on investment securities (160,163) 138,809 Net gains (losses) on investment securities	Federal funds sold		3,225		1,342			
Available-for-sale securities 5,018 1,335 Held-to-maturity securities 23,098 29,731 Total investment securities 66,752 89,118 Morgage loans held for portfolio 44,876 44,44 Total invest income 167,677 177,805 INTERST EXPENSE: Consolidated Obligations 10,802 5,468 Bonds 75,075 96,186 Total Consolidated Obligations 85,877 101,654 Bonds 179 151 Total Consolidated Obligations 85,877 101,654 Bonds 179 151 Total Consolidated Obligations 85,877 101,654 Bonds 1,979 151 Mandatorily redeemable capital stock 831 94 Total Consolidated Obligations 8,878 101,654 Metalistic Expenses 8,688 101,899 Post particle expenses 8,688 101,899 Net pairs (Josses) on investment securities 1,616 1,581 Let gains (Josses) on	Investment securities:							
Held-to-maturity securities 23,908 29,731 Total investment securities 66,752 89,118 Mortagea loans held for portfolio 48,576 44,414 Total interest income 16,677 178,005 INTEREST EXPENSE: Consolidated Obligations 10,802 5,468 Bonds 75,075 96,186 Bonds 75,075 96,186 Total Consolidated Obligations 85,877 101,654 Popsits 179 151 Mandatorily redemable capital stock 831 94 Total Interest expense 86,887 101,659 NET INTEREST INCOME 80,909 75,005 Net gains (losses) on investment securities (160,163) (138,806) Net gains (losses) on investment securities 18,678 3,905 Net gains (losses) on investment securities 19,106 431 Net gains (losses) on investment securities 1,066 433 Otte gains (losses) on derivatives 97,105 97,144 Letters of Credit fees 6,105	Trading securities		37,826		58,052			
Total investment securities 66,752 89,118 Mortgage loans held for portfolio 48,576 44,414 Total interest income 167,677 177,805 INTEREST EXPENSE: Consolidated Obligations 10,802 5,468 Bonds 75,075 96,186 Total Consolidated Obligations 85,877 101,654 Deposits 179 151 Mandatorily redeemable capital stock 831 94 Total Consolidated Obligations 86,887 101,899 Mandatorily redeemable capital stock 831 94 Total consolidated Obligations 86,887 101,899 Not Interest expense 86,887 101,899 Not Interest expense (160,163) (138,860) Not gains (losses) on investment securities (160,163) (138,860) Net gains (losses) on derivatives 97,105 97,145 Letters of Credit fees 6,161 5,811 Other, net 1,102 435 Total non-interest income (loss) 37,913 31,565<	Available-for-sale securities		5,018		1,335			
Mortgage loans held for portfolio 48,576 44,414 Total interest income 167,670 177,805 INTEREST EXPENSE: Consolidated Obligations: 10,802 5,468 Bonds 10,802 5,468 Bonds 75,075 96,186 Total Consolidated Obligations 179 151 Mendatorily redeemable capital stock 831 94 Total interest expense 86,887 101,899 NET INTEREST INCOME 80,790 75,906 Net gains (losses) on investment securities (160,163) (138,860) Net gains (losses) on investment securities (160,163) 138,860 Net gains (losses) on investment securities (160,163) 138,860 Net gains (losses) on investment securities (160,163) 435 Other, get 6,161 5,141 Other, get 1,026 435 Total non-interest income (loss) 3,150 Total non-interest expense 14,106 1,505 Other, get 1,79 1,879 Othe	Held-to-maturity securities		23,908		29,731			
Total interest income 167,677 177,805 INTEREST EXPENSE: Consolidated Obligations: Discount Notes 10,802 5,468 Bonds 75,075 96,186 Total Consolidated Obligations 85,877 101,654 Deposits 179 151 Mandatorily redeemable capital stock 83 9 Total interest expense 86,887 101,899 NET INTEREST INCOME 80,790 75,906 NON-INTEREST INCOME (LOSS). 80,790 75,906 Net gains (losses) on investment securities (160,163) (138,860) Net gains (losses) on derivatives 97,105 97,144 Letters of Credit fees 6,161 5,811 Other, net 1,026 435 Total non-interest income (loss) 37,915 97,144 Letters of Credit fees 6,161 5,811 Other, net 1,026 435 Total non-interest income (loss) 1,216 435 Total particular expenses 6,162 5,952 <td>Total investment securities</td> <td></td> <td>66,752</td> <td></td> <td>89,118</td>	Total investment securities		66,752		89,118			
INTEREST EXPENSE: Consolidated Obligations: 10,802 5,468 Bonds 75,075 96,186 Total Consolidated Obligations 85,877 101,654 Deposits 179 151 Mandatorily redeemable capital stock 831 94 Total interest expense 86,887 101,899 NET INTEREST INCOME 80,790 75,906 NON-INTEREST INCOME (LOSS): 80,790 75,906 Net gains (losses) on investment securities (160,163) (138,800 Net gains (losses) on dirivatives 18,678 3,905 Net gains (losses) on derivatives 97,105 97,144 Leters of Credit fees 6,161 5,811 Other, net 1,026 435 Otal non-interest income (loss) 3,905 435 NON-INTEREST EXPENSE: 1 1,201 Compensation and benefits 1,410 1,203 Other operating expenses 1,271 1,879 Office of Finance 1,779 1,879 Office of Finance	Mortgage loans held for portfolio		48,576		44,414			
Consolidated Obligations 10,802 5,488 Bonds 75,075 96,186 Total Consolidated Obligations 85,877 101,654 Deposits 179 151 Mandatorily redeemable capital stock 831 94 Total interest expense 86,887 101,899 NON-INTEREST INCOME 80,790 75,906 NON-INTEREST INCOME (LOSS): (160,163) 403,806 Net gains (losses) on investments led under fair value option 18,678 3,905 Net gains (losses) on financial instruments held under fair value option 18,678 3,905 Net gains (losses) on derivatives 97,105 97,148 Letters of Credit fees 6,161 5,811 Otal non-interest income (loss) 37,905 435 Total non-interest income (loss) 1,206 435 Total non-interest expenses 14,106 15,912 Ghier operating expenses 14,106 5,952 Finance Agency 1,779 1,879 Office of Finance 2,562 25,603 23,523	Total interest income		167,677		177,805			
Discount Notes 10,802 5,468 Bonds 75,075 96,186 Total Consolidated Obligations 85,877 101,654 Deposits 179 151 Mandatorily redeemable capital stock 831 94 Otal interest expense 86,887 101,892 NET INTEREST INCOME 80,790 75,906 NON-INTEREST INCOME (LOSS): (160,163) (138,800) Net gains (losses) on investment securities (160,163) (138,800) Net gains (losses) on derivatives 97,105 97,144 Letters of Credit fees 97,105 97,144 Other, net 1,026 435 Other, net 1,026 435 Other, net 1,026 435 Ompensation and benefits 14,106 12,903 Other, operating expenses 14,106 12,903 Finance Agency 1,759 1,518 Office of Finance 1,759 1,518 Office of Finance 1,759 1,518 Other 1,799	INTEREST EXPENSE:							
Bonds 75,075 96,186 Total Consolidated Obligations 85,877 101,654 Deposits 179 151 Mandatorily redeemable capital stock 831 94 Total interest expense 86,887 101,899 NET INTEREST INCOME 80,790 75,906 NON-INTEREST INCOME (LOSS): 80,790 75,906 Net gains (losses) on investment securities (160,163) (138,860) Net gains (losses) on financial instruments held under fair value option 18,678 3,905 Net gains (losses) on derivatives 97,105 97,144 Letters of Credit fees 6,161 5,811 Other, net 1,026 435 Total non-interest income (loss) 37,193 3(1,565) NON-INTEREST EXPENSE: 3 1,797 1,879 Compensation and benefits 1,4106 12,903 5,952 Finance Agency 1,797 1,879 1,719 1,718 Office of Finance 1,759 1,271 1,518 Total non-interest expense 25,	Consolidated Obligations:							
Total Consolidated Obligations 85,877 10,654 Deposits 179 151 Mandatorily redeemable capital stock 831 94 Total interest expense 86,887 101,899 NET INTEREST INCOME 80,790 75,906 NON-INTEREST INCOME (LOSS): (160,163) (138,800) Net gains (losses) on financial instruments held under fair value option 18,678 3,905 Net gains (losses) on derivatives 97,105 97,144 Letters of Credit fees 6,161 5,811 Other, net 1,026 435 Total non-interest income (loss) (37,193) (31,565) NON-INTEREST EXPENSE: 1 1,206 Compensation and benefits 14,106 12,903 Other operating expenses 6,162 5,952 Office of Finance 1,797 1,879 Office of Finance 1,779 1,518 Other 25,603 23,523 Total non-interest expense 25,003 23,523 Total non-interest expense 25,003	Discount Notes		10,802		5,468			
Deposits 179 151 Mandatorily redeemable capital stock 831 94 Total interest expense 86,887 101,899 NET INTEREST INCOME 80,790 75,906 NON-INTEREST INCOME (LOSS): 1 1 Net gains (losses) on invacial instruments beld under fair value option 18,678 3,905 Net gains (losses) on derivatives 97,105 97,145 Letters of Credit fees 6,161 5,811 Other, net 1,026 435 Total non-interest income (loss) 37,193 31,565 NON-INTEREST EXPENSE: 1 1 Compensation and benefits 14,106 1,290 Other operating expenses 6,162 5,952 Finance Agency 1,797 1,879 Office of Finance 1,759 1,518 Other 1,799 1,518 Total non-interest expense 25,603 23,523 Rotal non-interest expense 25,603 23,523 Total non-interest expense 25,603 23,523	Bonds		75,075		96,186			
Mandatorily redeemable capital stock 83 94 Total interest expense 86,887 101,899 NET INTEREST INCOME 80,700 75,906 NON-INTEREST INCOME (LOSS): Net gains (losses) on investment securities (160,163) (138,860) Net gains (losses) on financial instruments held under fair value option 18,678 3,905 Net gains (losses) on derivatives 97,105 97,144 Letters of Credit fees 6,161 5,811 Other, net 1,026 435 Total non-interest income (loss) 3,156 NON-INTEREST EXPENSE: 14,106 12,903 Compensation and benefits 6,162 5,952 Other operating expenses 6,162 5,952 Finance Agency 1,797 1,879 Other 1,779 1,518 Other 1,799 1,518 Total non-interest expense 25,603 23,523 NOMED EFORE ASSESSMENTS 17,994 20,818	Total Consolidated Obligations		85,877		101,654			
Total interest expense 86,887 101,899 NET INTEREST INCOME 80,790 75,906 NON-INTEREST INCOME (LOSS): User gains (losses) on investment securities (160,163) (138,860) Net gains (losses) on financial instruments held under fair value option 18,678 3,905 Net gains (losses) on derivatives 97,105 97,144 Letters of Credit fees 6,161 5,811 Other, net 1,026 435 Total non-interest income (loss) (37,193) (31,565) NON-INTEREST EXPENSE: 1 1 Compensation and benefits 14,106 12,903 Other operating expenses 6,162 5,952 Finance Agency 1,797 1,879 Office of Finance 1,779 1,518 Other 25,603 23,523 Income agency 25,603 23,523 Other 17,994 20,818	Deposits		179		151			
NET INTEREST INCOME 80,790 75,906 NON-INTEREST INCOME (LOSS): Integrating (losses) on investment securities (160,163) (138,860) Net gains (losses) on financial instruments held under fair value option 18,678 3,905 Net gains (losses) on derivatives 97,105 97,144 Letters of Credit fees 6,161 5,811 Other, net 1,026 435 Total non-interest income (loss) (37,193) (31,565) NON-INTEREST EXPENSE: V V Compensation and benefits 14,106 12,903 Other operating expenses 6,162 5,952 Finance Agency 1,797 1,879 Office of Finance 1,779 1,518 Other 25,603 23,523 INCOME BEFORE ASSESSMENTS 17,994 20,818	Mandatorily redeemable capital stock		831		94			
NON-INTEREST INCOME (LOSS): Net gains (losses) on investment securities (160,163) (138,860) Net gains (losses) on financial instruments held under fair value option 18,678 3,905 Net gains (losses) on derivatives 97,105 97,144 Letters of Credit fees 6,161 5,811 Other, net 1,026 435 Total non-interest income (loss) (37,193) (31,565) NON-INTEREST EXPENSE: 14,106 12,903 Other operating expenses 6,162 5,952 Finance Agency 1,797 1,879 Office of Finance 1,759 1,271 Other 1,779 1,518 Total non-interest expense 25,603 23,523 INCOME BEFORE ASSESSMENTS 17,994 20,818	Total interest expense		86,887		101,899			
NON-INTEREST INCOME (LOSS): Net gains (losses) on investment securities (160,163) (138,860) Net gains (losses) on financial instruments held under fair value option 18,678 3,905 Net gains (losses) on derivatives 97,105 97,144 Letters of Credit fees 6,161 5,811 Other, net 1,026 435 Total non-interest income (loss) (37,193) (31,565) NON-INTEREST EXPENSE: 14,106 12,903 Other operating expenses 6,162 5,952 Finance Agency 1,797 1,879 Office of Finance 1,759 1,271 Other 1,779 1,518 Total non-interest expense 25,603 23,523 INCOME BEFORE ASSESSMENTS 17,994 20,818	NET INTEREST INCOME		80,790		75,906			
Net gains (losses) on investment securities (160,163) (138,860) Net gains (losses) on financial instruments held under fair value option 18,678 3,905 Net gains (losses) on derivatives 97,105 97,144 Letters of Credit fees 6,161 5,811 Other, net 1,026 435 Total non-interest income (loss) 37,193 (31,565) NON-INTEREST EXPENSE: 14,106 12,903 Other operating expenses 6,162 5,952 Finance Agency 1,797 1,879 Office of Finance 1,759 1,271 Other 1,779 1,518 Total non-interest expense 25,603 23,523 INCOME BEFORE ASSESSMENTS 17,994 20,818					· · · · · · · · · · · · · · · · · · ·			
Net gains (losses) on financial instruments held under fair value option 18,678 3,905 Net gains (losses) on derivatives 97,105 97,144 Letters of Credit fees 6,161 5,811 Other, net 1,026 435 Total non-interest income (loss) (37,193) (31,565) NON-INTEREST EXPENSE: Value 14,106 12,903 Other operating expenses 6,162 5,952 Finance Agency 1,797 1,879 Office of Finance 1,759 1,271 Other 1,779 1,518 Total non-interest expense 25,603 23,523 INCOME BEFORE ASSESSMENTS 17,994 20,818			(160,163)		(138,860)			
Net gains (losses) on derivatives 97,105 97,144 Letters of Credit fees 6,161 5,811 Other, net 1,026 435 Total non-interest income (loss) (37,193) (31,565) NON-INTEREST EXPENSE: ** Compensation and benefits 14,106 12,903 Other operating expenses 6,162 5,952 Finance Agency 1,797 1,879 Office of Finance 1,779 1,518 Other 25,603 23,523 INCOME BEFORE ASSESSMENTS 17,994 20,818	- , , , , ,							
Other, net 1,026 435 Total non-interest income (loss) (37,193) (31,565) NON-INTEREST EXPENSE: 3 3 12,903 Compensation and benefits 14,106 12,903 12,903 Other operating expenses 6,162 5,952 5,952 Finance Agency 1,797 1,879 1,271 Other 1,779 1,518 1,518 Total non-interest expense 25,603 23,523 INCOME BEFORE ASSESSMENTS 17,994 20,818			97,105		97,144			
Total non-interest income (loss) (37,193) (31,565) NON-INTEREST EXPENSE: Second of the properating expenses 14,106 12,903 Other operating expenses 6,162 5,952 Finance Agency 1,797 1,879 Office of Finance 1,759 1,271 Other 1,779 1,518 Total non-interest expense 25,603 23,523 INCOME BEFORE ASSESSMENTS 17,994 20,818	Letters of Credit fees		6,161		5,811			
NON-INTEREST EXPENSE: Compensation and benefits 14,106 12,903 Other operating expenses 6,162 5,952 Finance Agency 1,797 1,879 Office of Finance 1,759 1,271 Other 1,779 1,518 Total non-interest expense 25,603 23,523 INCOME BEFORE ASSESSMENTS 17,994 20,818	Other, net		1,026		435			
Compensation and benefits 14,106 12,903 Other operating expenses 6,162 5,952 Finance Agency 1,797 1,879 Office of Finance 1,759 1,271 Other 1,779 1,518 Total non-interest expense 25,603 23,523 INCOME BEFORE ASSESSMENTS 17,994 20,818	Total non-interest income (loss)		(37,193)		(31,565)			
Other operating expenses 6,162 5,952 Finance Agency 1,797 1,879 Office of Finance 1,759 1,271 Other 1,779 1,518 Total non-interest expense 25,603 23,523 INCOME BEFORE ASSESSMENTS 17,994 20,818	NON-INTEREST EXPENSE:		· · · · · · · · · · · · · · · · · · ·					
Finance Agency 1,797 1,879 Office of Finance 1,759 1,271 Other 1,779 1,518 Total non-interest expense 25,603 23,523 INCOME BEFORE ASSESSMENTS 17,994 20,818	Compensation and benefits		14,106		12,903			
Office of Finance 1,759 1,271 Other 1,779 1,518 Total non-interest expense 25,603 23,523 INCOME BEFORE ASSESSMENTS 17,994 20,818	-		6,162		5,952			
Other 1,779 1,518 Total non-interest expense 25,603 23,523 INCOME BEFORE ASSESSMENTS 17,994 20,818	Finance Agency		1,797		1,879			
Total non-interest expense 25,603 23,523 INCOME BEFORE ASSESSMENTS 17,994 20,818	Office of Finance		1,759		1,271			
INCOME BEFORE ASSESSMENTS 17,994 20,818	Other		1,779		1,518			
INCOME BEFORE ASSESSMENTS 17,994 20,818	Total non-interest expense		25,603		23,523			
			17,994		20,818			
-,	Affordable Housing Program assessments		1,883		2,091			
NET INCOME \$ 16,111 \$ 18,727		\$	16,111	\$	18,727			

FEDERAL HOME LOAN BANK OF CINCINNATI STATEMENTS OF COMPREHENSIVE INCOME (Unaudited)

(In thousands)	Three Months Ended March 31,						
		2022	2021				
Net income	\$	16,111	\$	18,727			
Other comprehensive income adjustments:							
Net unrealized gains (losses) on available-for-sale securities	(37,772)						
Pension and postretirement benefits		509		676			
Total other comprehensive income (loss) adjustments		(37,263)		3,363			
Comprehensive income (loss)	\$	(21,152)	\$	22,090			

FEDERAL HOME LOAN BANK OF CINCINNATI STATEMENTS OF CAPITAL (Unaudited)

(In thousands)	Capital Stock Class B - Putable			Retained Earnings						Accumulated Other Omprehensive	Total	
,	Shares	Par Value	Uı	nrestricted	F	Restricted	<u> </u>	Total Loss		Loss	Capital	
BALANCE, DECEMBER 31, 2020	26,409	\$ 2,640,863	\$	802,715	\$	501,321	\$	1,304,036	\$	(14,985)	\$ 3,929,914	
Comprehensive income (loss)				14,982		3,745		18,727		3,363	22,090	
Proceeds from sale of capital stock	3,760	376,078									376,078	
Repurchase of capital stock	(2,680)	(268,000)									(268,000)	
Net shares reclassified to mandatorily redeemable capital stock	(10)	(1,003)									(1,003)	
Cash dividends on capital stock				(13,891)				(13,891)			(13,891)	
BALANCE, MARCH 31, 2021	27,479	\$ 2,747,938	\$	803,806	\$	505,066	\$	1,308,872	\$	(11,622)	\$ 4,045,188	
BALANCE, DECEMBER 31, 2021	24,900	\$ 2,490,016	\$	783,072	\$	509,719	\$	1,292,791	\$	13,094	\$ 3,795,901	
Comprehensive income (loss)				12,889		3,222		16,111		(37,263)	(21,152)	
Proceeds from sale of capital stock	19,117	1,911,678									1,911,678	
Net shares reclassified to mandatorily redeemable capital stock	(14,012)	(1,401,159)									(1,401,159)	
Cash dividends on capital stock				(12,369)				(12,369)			(12,369)	
BALANCE, MARCH 31, 2022	30,005	\$ 3,000,535	\$	783,592	\$	512,941	\$	1,296,533	\$	(24,169)	\$ 4,272,899	

FEDERAL HOME LOAN BANK OF CINCINNATI STATEMENTS OF CASH FLOWS (Unaudited)

(In thousands)	Three Months Ended March 31,					
	2022			2021		
OPERATING ACTIVITIES:						
Net income	\$ 1	6,111	\$	18,727		
Adjustments to reconcile net income to net cash provided by (used in) operating activities:		,		Ź		
Depreciation and amortization/(accretion)	1	6,717		20,233		
Net change in derivative and hedging activities		9,136		90,177		
Net change in fair value adjustments on trading securities		0,163		138,860		
Net change in fair value adjustments on financial instruments held under fair value option		8,678)		(3,905)		
Other adjustments, net		229		223		
Net change in:						
Accrued interest receivable	(2:	5,005)		(8,968)		
Other assets	,	2,774		2,746		
Accrued interest payable	(3,232)		(18,542)		
Other liabilities	,	9,128)		(9,436)		
Total adjustments		2,976		211,388		
Net cash provided by (used in) operating activities		9,087		230,115		
INVESTING ACTIVITIES:						
Net change in:						
Interest-bearing deposits	(88	8,866)		300,462		
Securities purchased under agreements to resell	(4,742	2,120)		1,529,968		
Federal funds sold	(2,554	4,000)		(565,000)		
Premises, software, and equipment		65		(252)		
Trading securities:						
Proceeds from maturities and paydowns	57	0,023		750,038		
Proceeds from sales		_		14,008		
Available-for-sale securities:						
Purchases	(1,388	8,983)		_		
Held-to-maturity securities:						
Proceeds from maturities and paydowns	48	4,292		777,871		
Purchases	(758	8,598)		(40,483)		
Advances:						
Repaid	201,51	9,184		49,540,950		
Originated	(212,214	4,458)		(48,690,088)		
Mortgage loans held for portfolio:						
Principal collected	41.	5,176		1,165,828		
Purchases	(399	9,702)		(247,646)		
Net cash provided by (used in) investing activities	(19,15)	7,987)		4,535,656		

(continued from previous page)

FEDERAL HOME LOAN BANK OF CINCINNATI STATEMENTS OF CASH FLOWS (Unaudited)

(In thousands)	Three Months Ended March 31,					
	2022			2021		
FINANCING ACTIVITIES:						
Net change in deposits and pass-through reserves	\$	95,227	\$	76,707		
Net proceeds from issuance of Consolidated Obligations:						
Discount Notes		69,619,730		48,587,907		
Bonds		22,046,918		9,575,470		
Payments for maturing and retiring Consolidated Obligations:						
Discount Notes		(67,804,719)		(49,208,016)		
Bonds		(6,610,000)		(13,757,000)		
Proceeds from issuance of capital stock		1,911,678		376,078		
Payments for repurchase of capital stock		_		(268,000)		
Payments for repurchase/redemption of mandatorily redeemable capital stock		(893,489)		(5,127)		
Cash dividends paid		(12,369)		(13,891)		
Net cash provided by (used in) financing activities		18,352,976		(4,635,872)		
Net increase (decrease) in cash and due from banks		(145,924)		129,899		
Cash and due from banks at beginning of the period		167,822		2,984,073		
Cash and due from banks at end of the period	\$	21,898	\$	3,113,972		
Supplemental Disclosures:						
Interest paid	\$	86,318	\$	123,211		
Affordable Housing Program payments, net	\$	5,984	\$	4,621		

FEDERAL HOME LOAN BANK OF CINCINNATI

NOTES TO UNAUDITED FINANCIAL STATEMENTS

Background Information

The Federal Home Loan Bank of Cincinnati (the FHLB), a federally chartered corporation, is one of 11 District Federal Home Loan Banks (FHLBanks). The FHLBanks are government-sponsored enterprises (GSEs) that serve the public by enhancing the availability of credit for residential mortgages and targeted community development. The FHLB is regulated by the Federal Housing Finance Agency (Finance Agency).

Note 1 - Basis of Presentation

The accompanying interim financial statements have been prepared in accordance with accounting principles generally accepted in the United States of America (GAAP). The preparation of financial statements in accordance with GAAP requires management to make assumptions and estimates. These assumptions and estimates affect the reported amount of assets and liabilities, the disclosure of contingent assets and liabilities, and the reported amounts of income and expenses. Actual results could differ from these estimates. The interim financial statements presented are unaudited, but they include all adjustments (consisting of only normal recurring adjustments) which are, in the opinion of management, necessary for a fair statement of the financial condition, results of operations, and cash flows for such periods. These financial statements do not include all disclosures associated with annual financial statements and accordingly should be read in conjunction with the audited financial statements and notes included in the FHLB's Annual Report on Form 10-K for the year ended December 31, 2021 filed with the Securities and Exchange Commission (SEC). Results for the three months ended March 31, 2022 are not necessarily indicative of operating results for the full year.

The FHLB presents certain financial instruments, including derivative instruments and securities purchased under agreements to resell, on a net basis when it has a legal right of offset and all other requirements for netting are met (collectively referred to as the netting requirements). For these instruments, the FHLB has elected to offset its asset and liability positions, as well as cash collateral received or pledged, when it has met the netting requirements. The FHLB did not have any offsetting liabilities related to its securities purchased under agreements to resell for the periods presented.

The net exposure for these financial instruments can change on a daily basis; therefore, there may be a delay between the time this exposure change is identified and additional collateral is requested, and the time this collateral is received or pledged. Likewise, there may be a delay for excess collateral to be returned. For derivative instruments that meet the requirements for netting, any excess cash collateral received or pledged is recognized as a derivative liability or derivative asset. Additional information regarding these agreements is provided in Note 6. Based on the fair value of the related collateral held, the securities purchased under agreements to resell were fully collateralized for the periods presented. For more information about the FHLB's investments in securities purchased under agreements to resell, see "Item 8. Financial Statements and Supplementary Data - Note 1 - Summary of Significant Accounting Policies" in the FHLB's 2021 Annual Report on Form 10-K.

Subsequent Events

The FHLB has evaluated subsequent events for potential recognition or disclosure through the issuance of these financial statements and believes there have been no material subsequent events requiring additional disclosure or recognition in these financial statements.

Note 2 - Recently Issued and Adopted Accounting Guidance

Troubled Debt Restructurings and Vintage Disclosures. On March 31, 2022, the Financial Accounting Standards Board (FASB) issued guidance that eliminates the accounting guidance for troubled debt restructurings by creditors that have adopted the current expected credit losses methodology while enhancing disclosure requirements for certain loan refinancings and restructurings by creditors made to borrowers experiencing financial difficulty. Additionally, this guidance requires disclosure of current-period gross write-offs by year of origination for financing receivables and net investment in leases. The guidance becomes effective for the FHLB for the interim and annual periods beginning on January 1, 2023. Early adoption is permitted. The FHLB does not intend to adopt this guidance early. The FHLB is in the process of evaluating this guidance, and its effect on the FHLB's financial condition, results of operations, and cash flows has not yet been determined.

Fair Value Hedging - Portfolio Layer Method. On March 28, 2022, the FASB issued guidance that expands fair value hedging under the current last-of-layer method by allowing multiple hedged layers of a single closed portfolio under the method. To reflect that expansion, the last-of-layer method is renamed the portfolio layer method. Additionally, among other things, this guidance (1) expands the scope of the portfolio layer method to include nonprepayable assets, (2) specifies eligible hedging instruments in a single-layer hedge, (3) provides additional guidance on the accounting for and disclosure of hedge basis adjustments under the portfolio layer method, and (4) specifies how hedge basis adjustments should be considered when determining credit losses for the assets included in the closed portfolio. The guidance becomes effective for the FHLB for the interim and annual periods beginning on January 1, 2023. Early adoption is permitted. The FHLB does not intend to adopt this guidance early. The FHLB is in the process of evaluating this guidance, and its effect on the FHLB's financial condition, results of operations, and cash flows has not yet been determined.

Facilitation of the Effects of Reference Rate Reform on Financial Reporting, as amended. On March 12, 2020, the FASB issued temporary, optional guidance to ease the potential burden in accounting for reference rate reform. The new guidance provides optional expedients and exceptions for applying GAAP to transactions affected by reference rate reform if certain criteria are met. The transactions primarily include (1) contract modifications, (2) hedging relationships, and (3) sale and/or transfer of debt securities classified as held-to-maturity. This guidance became effective immediately, and the FHLB may elect to apply the amendments through December 31, 2022. The FHLB either elected or plans to elect the majority of the optional expedients and exceptions provided, and the effect on the FHLB's financial condition, results of operations and cash flows is not expected to be material. In particular, during the fourth quarter of 2021, the FHLB elected optional practical expedients specific to fair value hedging relationships, which did not have a material effect.

Note 3 - Investments

The FHLB makes short-term investments in interest-bearing deposits, securities purchased under agreements to resell, and Federal funds sold and may make other investments in debt securities, which are classified as either trading, available-for-sale, or held-to-maturity.

Interest-Bearing Deposits, Securities Purchased under Agreements to Resell, and Federal Funds Sold

The FHLB invests in interest-bearing deposits, securities purchased under agreements to resell, and Federal funds sold to provide short-term liquidity. These investments are transacted with counterparties that have received a credit rating of single-A or greater by a nationally recognized statistical rating organization (NRSRO). The FHLB's internal ratings of these counterparties may differ from those issued by an NRSRO.

Federal funds sold are unsecured loans that are generally transacted on an overnight term. Finance Agency regulations include a limit on the amount of unsecured credit the FHLB may extend to a counterparty. At March 31, 2022 and December 31, 2021, all investments in interest-bearing deposits and Federal funds sold were repaid or expected to be repaid according to the contractual terms. No allowance for credit losses was recorded for these assets at March 31, 2022 and December 31, 2021. Carrying values of interest-bearing deposits and Federal funds sold exclude accrued interest receivable of (in thousands) \$92 and \$72 as of March 31, 2022, and \$1 and \$10 as of December 31, 2021.

Securities purchased under agreements to resell are short-term and are structured such that they are evaluated regularly to determine if the market value of the underlying securities decreases below the market value required as collateral (i.e., subject to collateral maintenance provisions). If so, the counterparty must place an equivalent amount of additional securities as collateral or remit an equivalent amount of cash, generally by the next business day. Based upon the collateral held as security and collateral maintenance provisions with counterparties, the FHLB determined that no allowance for credit losses was needed for its securities purchased under agreements to resell at March 31, 2022 and December 31, 2021. The carrying value of securities purchased under agreements to resell excludes accrued interest receivable of (in thousands) \$70 and \$10 as of March 31, 2022 and December 31, 2021, respectively.

Debt Securities

The FHLB invests in debt securities, which are classified as either trading, available-for-sale, or held-to-maturity. The FHLB is prohibited by Finance Agency regulations from purchasing certain higher-risk securities, such as equity securities and debt instruments that are not investment quality, other than certain investments targeted at low-income persons or communities and instruments that experienced credit deterioration after their purchase by the FHLB.

Trading Securities

Table 3.1 -	Trading	Securities	by Ma	ior Secu	rity Tv	nes (in	thousands)
I WOIC OIL	11 444111	Securities	O , 11110	JOI DECU		DCS (III	thousands,

Fair Value	March 31, 2022			mber 31, 2021
Non-mortgage-backed securities (non-MBS):				
U.S. Treasury obligations	\$	4,412,952	\$	5,030,946
GSE obligations		1,637,495		1,749,661
Total non-MBS		6,050,447		6,780,607
Mortgage-backed securities (MBS):		_		
U.S. obligation single-family		185		210
Total MBS		185		210
Total	\$	6,050,632	\$	6,780,817

Table 3.2 - Net Gains (Losses) on Trading Securities (in thousands)

	inree Months Ended March 31,				
	2022			2021	
Net unrealized gains (losses) on trading securities held at period end	\$	(158,514)	\$	(135,239)	
Net gains (losses) on trading securities sold/matured during the period		(1,649)		(3,621)	
Net gains (losses) on trading securities	\$	(160,163)	\$	(138,860)	

March 31, 2022

Gross

Gross

Available-for-Sale Securities

Table 3.3 - Available-for-Sale Securities by Major Security Types (in thousands)

	Amo Co	Amortized Cost (1)		Unrealized Gains		Unrealized Losses		Fair Value
Non-MBS:								
U.S. Treasury obligations	\$ 5,	214,648	\$	2,483	\$	(2,865)	\$	5,214,266
GSE obligations	<u></u>	125,850		1,455				127,305
Total non-MBS	5,	340,498		3,938		(2,865)		5,341,571
MBS:								
GSE multi-family		970,385		704		(13,424)		957,665
Total MBS		970,385	,	704	,	(13,424)		957,665
Total	\$ 6,	310,883	\$	4,642	\$	(16,289)	\$	6,299,236
				Decembe	r 31, 2	2021		
		Amortized Cost (1)		Gross Unrealized Gains		Gross Unrealized Losses		Fair Value
Non-MBS:								
U.S. Treasury obligations	\$ 4,	475,664	\$	23,206	\$	_	\$	4,498,870
GSE obligations		133,058		2,250		_		135,308
Total non-MBS	4,	608,722		25,456		_		4,634,178
MBS:								
GSE multi-family		632,276		2,961		(2,292)		632,945
Total MBS		632,276		2,961		(2,292)		632,945
Total	\$ 5,	240,998	\$	28,417	\$	(2,292)	\$	5,267,123

⁽¹⁾ Amortized cost of available-for-sale securities includes adjustments made to the cost basis of an investment for accretion, amortization, and/or fair value hedge accounting adjustments, and excludes accrued interest receivable of (in thousands) \$16,589 and \$13,014 at March 31, 2022 and December 31, 2021.

Table 3.4 summarizes the available-for-sale securities with unrealized losses, which are aggregated by major security type and length of time that individual securities have been in a continuous unrealized loss position.

Table 3.4 - Available-for-Sale Securities in a Continuous Unrealized Loss Position (in thousands)

					March	31, 2	2022				
	Less than	12	Months		12 Mont	hs or	more	Total			
	Fair Value	ι	Gross Inrealized Losses	Fa	ir Value	Uı	Gross realized Losses		Fair Value	U	Gross nrealized Losses
Non-MBS:											
U.S. Treasury obligations	\$ 2,560,398	\$	(2,865)	\$	_	\$	_	\$	2,560,398	\$	(2,865)
Total non-MBS	2,560,398		(2,865)		_				2,560,398		(2,865)
MBS:											
GSE multi-family MBS	720,947		(13,424)		_		_		720,947		(13,424)
Total MBS	720,947		(13,424)		_				720,947		(13,424)
Total \$ 3	\$ 3,281,345	\$	(16,289)	\$	_	\$	_	\$	3,281,345	\$	(16,289)
					Decembe	er 31	, 2021				

		December 51, 2021											
		Less than 12 Months				12 Months or more				Total			
	F	Gross Unrealized Fair Value Losses		Fa	nir Value	Gross Unrealized Losses		Fair Value		Gross Unrealized Losses			
GSE multi-family MBS	\$	489,983	\$	(2,292)	\$		\$	_	\$	489,983	\$	(2,292)	
Total	\$	489,983	\$	(2,292)	\$		\$		\$	489,983	\$	(2,292)	

Table 3.5 - Available-for-Sale Securities by Contractual Maturity (in thousands)

		March	31, 2	December 31, 2021					
Year of Maturity		Amortized Cost		Fair Value		Amortized Cost	Fair Value		
Non-MBS:									
Due in 1 year or less	\$	_	\$	_	\$	_	\$	_	
Due after 1 year through 5 years		1,397,700		1,399,172		81,194		82,185	
Due after 5 years through 10 years		3,931,257		3,930,555		4,515,054		4,538,945	
Due after 10 years		11,541		11,844		12,474		13,048	
Total non-MBS	-	5,340,498		5,341,571		4,608,722		4,634,178	
MBS ⁽¹⁾		970,385		957,665		632,276	'	632,945	
Total	\$	6,310,883	\$	6,299,236	\$	5,240,998	\$	5,267,123	

⁽¹⁾ MBS are not presented by contractual maturity because their expected maturities will likely differ from contractual maturities because borrowers may have the right to call or prepay obligations with or without call or prepayment fees.

Table 3.6 - Interest Rate Payment Terms of Available-for-Sale Securities (in thousands)

	March 31, 2022			mber 31, 2021
Amortized cost of non-MBS:		_		
Fixed-rate	\$	5,340,498	\$	4,608,722
Total amortized cost of non-MBS		5,340,498	·	4,608,722
Amortized cost of MBS:		_		
Fixed-rate		970,385		632,276
Total amortized cost of MBS		970,385	·	632,276
Total	\$	6,310,883	\$	5,240,998

Held-to-Maturity Securities

Table 3.7 - Held-to-Maturity Securities by Major Security Types (in thousands)

	March 31, 2022									
	Amortized Cost (1)		Gross Unrecognized Holding Gains		Unr	Gross ecognized ling Losses	Fair Value			
Non-MBS:	Ф	46.045	Ф		Φ.	(47)	Ф	45.000		
U.S. Treasury obligations	<u>\$</u>	46,045	\$		\$	(47)	\$	45,998		
Total non-MBS		46,045				(47)		45,998		
MBS:		1 069 540		470		(52.094)		1 015 027		
U.S. obligation single-family GSE single-family		1,068,549 1,707,129		472 6,186		(53,984) (34,256)		1,015,037 1,679,059		
GSE single-rainity GSE multi-family		8,083,099		3,623		(8,615)		8,078,107		
Total MBS	_	10,858,777		10,281	-	(96,855)		10,772,203		
Total	\$	10,904,822	\$	10,281	\$	(96,902)	\$	10,818,201		
			December 31, 2021							
				Decembe	r 31, 2	021				
		Amortized Cost ⁽¹⁾		Gross recognized Holding	Unr	Gross ecognized		Fair Value		
Non-MBS:				Gross recognized	Unr	Gross]	Fair Value		
Non-MBS: U.S. Treasury obligations	\$			Gross recognized Holding	Unr	Gross ecognized	\$	Fair Value 46,879		
		Cost (1)		Gross recognized Holding	Unr Holo	Gross ecognized				
U.S. Treasury obligations		Cost (1) 46,879		Gross recognized Holding	Unr Holo	Gross ecognized		46,879		
U.S. Treasury obligationsTotal non-MBSMBS:U.S. obligation single-family		46,879 46,879 1,056,729		Gross recognized Holding	Unr Holo	Gross ecognized		46,879 46,879 1,059,945		
U.S. Treasury obligations Total non-MBSMBS: U.S. obligation single-family GSE single-family		46,879 46,879 1,056,729 1,860,197		Gross recognized Holding Gains	Unr Holo	Gross recognized ling Losses —————————————————————————————————		46,879 46,879 1,059,945 1,909,223		
U.S. Treasury obligations Total non-MBS MBS: U.S. obligation single-family GSE single-family GSE multi-family		46,879 46,879 1,056,729 1,860,197 7,252,951		Gross recognized Holding Gains	Unr Holo	Gross recognized ling Losses (8,337) (4,018)		46,879 46,879 1,059,945 1,909,223 7,253,774		
U.S. Treasury obligations Total non-MBSMBS: U.S. obligation single-family GSE single-family		46,879 46,879 1,056,729 1,860,197		Gross recognized Holding Gains	Unr Holo	Gross recognized ling Losses —————————————————————————————————		46,879 46,879 1,059,945 1,909,223		

⁽¹⁾ Carrying value equals amortized cost. Amortized cost of held-to-maturity securities includes adjustments made to the cost basis of an investment for accretion and amortization and excludes accrued interest receivable of (in thousands) \$7,732 and \$7,461 as of March 31, 2022 and December 31, 2021.

Table 3.8 - Held-to-Maturity Securities by Contractual Maturity (in thousands)

	March 31, 2022				December 31, 2021					
Year of Maturity	A	Amortized Cost ⁽¹⁾			Amortized Cost (1)			Fair Value		
Non-MBS:										
Due in 1 year or less	\$	46,045	\$	45,998	\$	46,879	\$	46,879		
Due after 1 year through 5 years		_				_				
Due after 5 years through 10 years		_				_				
Due after 10 years		_				_				
Total non-MBS		46,045		45,998		46,879		46,879		
MBS ⁽²⁾		10,858,777		10,772,203		10,169,877		10,222,942		
Total	\$	10,904,822	\$	10,818,201	\$	10,216,756	\$	10,269,821		

⁽¹⁾ Carrying value equals amortized cost.

⁽²⁾ MBS are not presented by contractual maturity because their expected maturities will likely differ from contractual maturities because borrowers may have the right to call or prepay obligations with or without call or prepayment fees.

Table 3.9 - Interest Rate Payment Terms of Held-to-Maturity Securities (in thousands)

	Ma	December 31, 2021		
Amortized cost of non-MBS:				
Fixed-rate	\$	46,045	\$	46,879
Total amortized cost of non-MBS		46,045	·	46,879
Amortized cost of MBS:		_		
Fixed-rate		2,594,377		2,718,127
Variable-rate		8,264,400		7,451,750
Total amortized cost of MBS		10,858,777		10,169,877
Total	\$	10,904,822	\$	10,216,756

From time to time the FHLB may sell securities out of its held-to-maturity portfolio. These securities, generally, have less than 15 percent of the acquired principal outstanding at the time of the sale. These sales are considered maturities for the purposes of security classification. For the three months ended March 31, 2022 and 2021, the FHLB did not sell any held-to-maturity securities.

Allowance for Credit Losses on Available-for-Sale and Held-to-Maturity Securities

The FHLB evaluates available-for-sale and held-to-maturity investment securities for credit losses on a quarterly basis. The FHLB's available-for-sale and held-to-maturity securities are U.S. Treasury obligations, GSE obligations, and MBS issued by Fannie Mae, Freddie Mac and Ginnie Mae that are backed by single-family or multi-family mortgage loans. The FHLB only purchases securities considered investment quality. At March 31, 2022 and December 31, 2021, all available-for-sale and held-to-maturity securities were rated single-A, or above, by an NRSRO, based on the lowest long-term credit rating for each security used by the FHLB. The FHLB's internal ratings of these securities may differ from those obtained from an NRSRO.

The FHLB evaluates individual available-for-sale securities for impairment by comparing the security's fair value to its amortized cost. Impairment may exist when the fair value of the investment is less than its amortized cost (i.e., in an unrealized loss position). At March 31, 2022 and December 31, 2021, certain available-for-sale securities were in an unrealized loss position. These losses are considered temporary as the FHLB expects to recover the entire amortized cost basis on these available-for-sale investment securities and does not intend to sell these securities nor considers it more likely than not that it will be required to sell these securities before the anticipated recovery of each security's remaining amortized cost basis. Further, the FHLB has not experienced any payment defaults on the instruments. In addition, all of these securities carry an implicit or explicit government guarantee. As a result, no allowance for credit losses was recorded on these available-for-sale securities at March 31, 2022 and December 31, 2021.

The FHLB evaluates its held-to-maturity securities for impairment on a collective, or pooled basis, unless an individual assessment is deemed necessary because the securities do not possess similar risk characteristics. As of March 31, 2022 and December 31, 2021, the FHLB had not established an allowance for credit loss on any held-to-maturity securities because the securities: (1) were all highly-rated and/or had short remaining terms to maturity, (2) had not experienced, nor did the FHLB expect, any payment default on the instruments, and (3) in the case of U.S., GSE, or other agency obligations, carry an implicit or explicit government guarantee such that the FHLB considered the risk of nonpayment to be zero.

Note 4 - Advances

The FHLB offers a wide range of fixed- and variable-rate Advance products with different maturities, interest rates, payment characteristics and optionality. The following table presents Advance redemptions by contractual maturity, including index-amortizing Advances, which are presented according to their predetermined amortization schedules.

Table 4.1 - Advances by Redemption Term (dollars in thousands)

·	March 31,	2022	December 3	31, 2021		
Redemption Term	Amount	Weighted Average Interest Rate	Amount	Weighted Average Interest Rate		
Due in 1 year or less	\$ 22,305,863	0.50 % \$	11,608,264	0.49 %		
Due after 1 year through 2 years	1,961,802	2.21	1,451,741	2.06		
Due after 2 years through 3 years	1,568,416	1.58	1,832,622	1.89		
Due after 3 years through 4 years	3,505,813	1.05	2,486,809	0.97		
Due after 4 years through 5 years	1,327,598	1.20	2,168,145	0.98		
Thereafter	2,980,201	1.74	3,406,837	1.49		
Total principal amount	33,649,693	0.85	22,954,418	0.95		
Commitment fees	(122)		(156)			
Discount on Affordable Housing Program (AHP) Advances	(1,130)		(1,382)			
Discounts	(1,679)		(1,838)			
Hedging adjustments	(115,774)		104,401			
Fair value option valuation adjustments and accrued interest	(2,135)		(695)			
Total (1)	\$ 33,528,853	<u>\$</u>	23,054,748			

⁽¹⁾ Carrying values exclude accrued interest receivable of (in thousands) \$21,095 and \$18,823 as of March 31, 2022 and December 31, 2021.

The FHLB offers certain fixed and variable-rate Advances to members that may be prepaid on specified dates (call dates) without incurring prepayment or termination fees (callable Advances). If the call option is exercised, replacement funding may be available to members. Other Advances may only be prepaid subject to a prepayment fee paid to the FHLB that makes the FHLB financially indifferent to the prepayment of the Advance.

Table 4.2 - Advances by Redemption Term or Next Call Date (in thousands)

Redemption Term or Next Call Date	March 31, 2022			December 31, 2021		
Due in 1 year or less	\$	25,334,764	\$	14,642,697		
Due after 1 year through 2 years		1,937,752		1,444,659		
Due after 2 years through 3 years		1,566,865		1,809,871		
Due after 3 years through 4 years		524,013		1,003,709		
Due after 4 years through 5 years		1,327,598		668,145		
Thereafter		2,958,701		3,385,337		
Total principal amount	\$	33,649,693	\$	22,954,418		

The FHLB also offers putable Advances. With a putable Advance, the FHLB effectively purchases put options from the member that allows the FHLB to terminate the Advance at predetermined dates. The FHLB normally would exercise its put option when interest rates increase relative to contractual rates.

Table 4.3 - Advances by Redemption Term or Next Put Date for Putable Advances (in thousands)

Redemption Term or Next Put Date	March 31, 2022		 December 31, 2021
Due in 1 year or less	\$	24,638,113	\$ 13,995,514
Due after 1 year through 2 years		1,961,802	1,511,741
Due after 2 years through 3 years		1,544,166	1,818,372
Due after 3 years through 4 years		3,505,813	2,471,809
Due after 4 years through 5 years		708,598	2,160,145
Thereafter		1,291,201	996,837
Total principal amount	\$	33,649,693	\$ 22,954,418

Table 4.4 - Advances by Interest Rate Payment Terms (in thousands)

	M	[arch 31, 2022	Dec	ember 31, 2021
Total fixed-rate (1)	\$	29,757,964	\$	19,372,859
Total variable-rate (1)		3,891,729		3,581,559
Total principal amount	\$	33,649,693	\$	22,954,418

⁽¹⁾ Payment terms based on current interest rate terms, which reflect any option exercises or rate conversions that have occurred subsequent to the related Advance issuance.

Credit Risk Exposure and Security Terms

The FHLB's Advances are made to member financial institutions. The FHLB manages its credit exposure to Advances through an integrated approach that includes establishing a credit limit for each borrower and ongoing review of each borrower's financial condition, coupled with collateral and lending policies to limit risk of loss while balancing borrowers' needs for a reliable source of funding.

In addition, the FHLB lends to eligible borrowers in accordance with federal law and Finance Agency regulations, which require the FHLB to obtain sufficient collateral to fully secure credit products. Under regulation, collateral eligible to secure new or renewed Advances includes:

- one-to-four family loans (delinquent for no more than 60 days) and multi-family mortgage loans (delinquent for no more than 30 days) and securities representing such mortgages;
- loans and securities issued and insured, or guaranteed by the U.S. government or any U.S. government agency (for example, mortgage-backed securities issued or guaranteed by Fannie Mae, Freddie Mac, or Ginnie Mae);
- cash or deposits in the FHLB;
- certain other collateral that is real estate-related, provided that the collateral has a readily ascertainable value, can be reliably
 discounted to account for liquidation and other risks, can be liquidated in due course and the FHLB can perfect a security
 interest in it; and
- certain qualifying securities representing undivided equity interests in eligible Advance collateral.

Residential mortgage loans are the principal form of collateral for Advances. The estimated value of the collateral required to secure each member's credit products is calculated by applying collateral discounts, or haircuts, to the value of the collateral. In addition, community financial institutions are eligible to utilize expanded statutory collateral provisions for small business and agribusiness loans. The FHLB's capital stock owned by its member borrowers is also pledged as collateral. Collateral arrangements and a member's borrowing capacity vary based on the financial condition and performance of the institution, the types of collateral pledged and the overall quality of those assets. The FHLB can also require additional or substitute collateral to protect its security interest. The FHLB also has policies and procedures for validating the reasonableness of its collateral valuations and makes changes to its collateral guidelines, as necessary, based on current market conditions. In addition, collateral verifications and reviews are performed by the FHLB based on the risk profile of the borrower. Management of the FHLB believes that these policies effectively manage the FHLB's credit risk from Advances.

Members experiencing financial difficulties are subject to FHLB-performed "stress tests" of the impact of poorly performing assets on the member's capital and loss reserve positions. Depending on the results of these tests and the level of over-collateralization, a member may be allowed to maintain pledged loan assets in its custody, may be required to deliver those loans into the custody of the

FHLB or its agent, or may be required to provide details on those loans to facilitate an estimate of their fair value. The FHLB perfects its security interest in all pledged collateral. The FHLBank Act affords any security interest

granted to the FHLB by a member priority over the claims or rights of any other party except for claims or rights of a third party that would otherwise be entitled to priority under applicable law and that are held by a bona fide purchaser for value or by a secured party holding a prior perfected security interest.

Using a risk-based approach, the FHLB considers the payment status, collateralization levels, and borrower's financial condition to be indicators of credit quality for its credit products. At March 31, 2022 and December 31, 2021, the FHLB did not have any Advances that were past due, in non-accrual status or considered impaired. In addition, there were no troubled debt restructurings related to Advances of the FHLB during the three months ended March 31, 2022 or 2021. At March 31, 2022 and December 31, 2021, the FHLB had rights to collateral on a member-by-member basis with an estimated value in excess of its outstanding extensions of credit.

Based upon the collateral held as security, its credit extension and collateral policies and the repayment history on Advances, the FHLB did not expect any credit losses on Advances as of March 31, 2022 and, therefore, no allowance for credit losses on Advances was recorded. For the same reasons, the FHLB did not record any allowance for credit losses on Advances at December 31, 2021.

Advance Concentrations

The FHLB's Advances are concentrated in commercial banks, savings institutions, and insurance companies. Advance borrower concentrations can change significantly because of members' ability to quickly increase or decrease their amount of Advances based on their current funding needs.

Table 4.5 - Borrowers Holding Five Percent or more of Total Advances, Including Any Known Affiliates that are Members of the FHLB (dollars in millions)

March 3	31, 2	022		December	r 31, 2021				
	P	rincipal	% of Total Principal Amount of Advances		P	rincipal	% of Total Principal Amount of Advances		
U.S. Bank, N.A.	\$	12,272	36 %	U.S. Bank, N.A.	\$	3,272	14 %		
Third Federal Savings and Loan Association		3,553	11	Third Federal Savings and Loan Association		3,179	14		
Nationwide Life Insurance Company		2,748	8	Protective Life Insurance Company		2,800	12		
Keybank National Association		2,101	6	Nationwide Life Insurance Company		2,702	12		
Protective Life Insurance Company		2,000	6	Western-Southern Life Assurance Co.	e	1,487	6		
Total	\$	22,674	67 %	Total	\$	13,440	58 %		

Note 5 - Mortgage Loans

Total mortgage loans held for portfolio represent residential mortgage loans under the Mortgage Purchase Program (MPP) that the FHLB's members originate, credit enhance, and then sell to the FHLB. The FHLB does not service any of these loans. The FHLB plans to retain its existing portfolio of mortgage loans.

Table 5.1 - Mortgage Loans Held for Portfolio (in thousands)

	Ma	December 31, 2021		
Fixed rate medium-term single-family mortgage loans (1)	\$	620,070	\$	649,052
Fixed rate long-term single-family mortgage loans		6,759,239		6,752,858
Total unpaid principal balance		7,379,309		7,401,910
Premiums		165,972		168,993
Discounts		(1,093)		(1,088)
Hedging basis adjustments (2)		11,507		18,602
Total mortgage loans held for portfolio (3)		7,555,695		7,588,417
Allowance for credit losses on mortgage loans		(238)		(233)
Mortgage loans held for portfolio, net	\$	7,555,457	\$	7,588,184

- (1) Medium-term is defined as a term of 15 years or less.
- (2) Represents the unamortized balance of the mortgage purchase commitments' market values at the time of settlement. The market value of the commitment is included in the basis of the mortgage loan and amortized accordingly.
- (3) Excludes accrued interest receivable of (in thousands) \$22,622 and \$22,847 at March 31, 2022 and December 31, 2021.

Table 5.2 - Mortgage Loans Held for Portfolio by Collateral/Guarantee Type (in thousands)

Ma	rch 31, 2022	Dec	ember 31, 2021
\$	7,248,017	\$	7,262,740
	131,292		139,170
\$	7,379,309	\$	7,401,910
	Ma \$ \$	\$ 7,248,017 131,292	\$ 7,248,017 \$ 131,292

Table 5.3 - Members, Including Any Known Affiliates that are Members of the FHLB, and Former Members Selling Five Percent or more of Total Unpaid Principal (dollars in millions)

		March 3	31, 2022			December	r 31, 2021
	Pı	rincipal	% of Total		Pı	rincipal	% of Total
Union Savings Bank	\$	1,827	25 %	Union Savings Bank	\$	1,841	25 %
FirstBank		660	9	FirstBank		565	8
Guardian Savings Bank FSB		486	7	Guardian Savings Bank FSB		524	7

Credit Risk Exposure

The FHLB manages credit risk exposure for conventional mortgage loans primarily though conservative underwriting and purchasing loans with characteristics consistent with favorable expected credit performance and by applying various credit enhancements.

Credit Enhancements. The conventional mortgage loans under the MPP are supported by some combination of credit enhancements (primary mortgage insurance (PMI), supplemental mortgage insurance (SMI) and the Lender Risk Account (LRA), including pooled LRA for those members participating in an aggregated MPP pool). These credit enhancements apply after a homeowner's equity is exhausted. Beginning in February 2011, the FHLB discontinued the use of SMI for all new loan purchases and replaced it with expanded use of the LRA. The LRA is funded by the FHLB upfront as a portion of the purchase proceeds. The LRA is recorded in other liabilities in the Statement of Condition. Excess funds from the LRA are released to the member in accordance with the terms of the Master Commitment Contract, which is typically after five years, subject to performance of the related loan pool. The LRA established for a pool of loans is limited to only covering losses of that specific pool of loans. Because the FHA makes an explicit guarantee on FHA mortgage loans, the FHLB does not require any credit enhancements on these loans beyond primary mortgage insurance.

Table 5.4 - Changes in the LRA (in thousands)

Total past due mortgage loans

Total conventional mortgage loans

Current mortgage loans

	March 31, 2022				
LRA at beginning of year	\$	252,310			
Additions		4,575			
Claims		_			
Scheduled distributions		(2,567)			
LRA at end of period	\$	254,318			

Three Months Ended

Payment Status of Mortgage Loans. The key credit quality indicator for conventional mortgage loans is payment status, which allows the FHLB to monitor borrower performance. Past due loans are those where the borrower has failed to make a full payment of principal and interest within one month of its due date. Table 5.5 presents the payment status of conventional mortgage loans.

Table 5.5 - Credit Quality Indicator of Conventional Mortgage Loans (in thousands)

	March 31, 2022									
		Origin								
Payment status, at amortized cost:		rior to 2018	2018 to	o March 31, 2022		Total				
Past due 30-59 days	\$	18,145	\$	15,011	\$	33,156				
Past due 60-89 days		5,333		2,692		8,025				
Past due 90 days or more		11,758		7,278		19,036				
Total past due mortgage loans		35,236		24,981		60,217				
Current mortgage loans		2,726,555		4,636,595		7,363,150				
Total conventional mortgage loans	\$	2,761,791	\$	4,661,576	\$	7,423,367				
			Dece	ember 31, 2021						
		Origin	nation Ye	ear						
Payment status, at amortized cost:	P	rior to 2017	2	017 to 2021		Total				
Past due 30-59 days	\$	16,105	\$	11,557	\$	27,662				
Past due 60-89 days		3,703		2,533		6,236				
Past due 90 days or more		12,185		11,623		23,808				

31,993

2,542,107

2,574,100

25,713

4,848,339

4,874,052

57,706

7,390,446

7,448,152

Other delinquency statistics include loans in process of foreclosure, serious delinquency rates, loans past due 90 days or more and still accruing interest, and non-accrual loans. Table 5.6 presents other delinquency statistics of mortgage loans.

Table 5.6 - Other Delinquency Statistics (dollars in thousands)

	Waith 31, 2022									
Amortized Cost:	Conv	entional MPP Loans	HA Loans	Total						
In process of foreclosure (1)	\$	5,465	\$	579	\$	6,044				
Serious delinquency rate (2)		0.26 %		2.06 %		0.29 %				
Past due 90 days or more still accruing interest (3)	\$	18,261	\$	2,631	\$	20,892				
Loans on non-accrual status (4)	\$	1,689	\$		\$	1,689				

March 31, 2022

December 31, 2021

Amortized Cost:	Con	ventional MPP Loans]	FHA Loans	Total
In process of foreclosure (1)	\$	4,424	\$	501	\$ 4,925
Serious delinquency rate (2)		0.32 %		2.00 %	0.35 %
Past due 90 days or more still accruing interest (3)	\$	23,169	\$	2,812	\$ 25,981
Loans on non-accrual status (4)	\$	1,617	\$		\$ 1,617

- (1) Includes loans where the decision of foreclosure or a similar alternative such as pursuit of deed-in-lieu has been reported.
- (2) Loans that are 90 days or more past due or in the process of foreclosure (including past due or current loans in the process of foreclosure) expressed as a percentage of the total loan portfolio class.
- (3) Each conventional loan past due 90 days or more still accruing interest is on a schedule/scheduled monthly settlement basis and contains one or more credit enhancements. Loans that are well secured and in the process of collection as a result of remaining credit enhancements and schedule/scheduled settlement are not placed on non-accrual status.
- At March 31, 2022 and December 31, 2021, (in thousands) \$1,689 and \$1,617, respectively, of conventional MPP loans on non-accrual status do not have a related allowance because these loans were either previously charged off to their expected recoverable value and/or the fair value of the underlying collateral, including any credit enhancements, is greater than the amortized cost of the loans.

The FHLB did not have any real estate owned at March 31, 2022 or December 31, 2021.

Evaluation of Current Expected Credit Losses

Mortgage Loans - FHA. The FHLB invests in fixed-rate mortgage loans secured by one to four family residential properties insured by the FHA. The FHLB expects to recover any losses from such loans from the FHA. Any losses from these loans that are not recovered from the FHA would be caused by a claim rejection by the FHA and, as such, would be recoverable from the selling participating financial institutions. Therefore, the FHLB only has credit risk for these loans if the seller or servicer fails to pay for losses not covered by the FHA insurance, but in such instance, the FHLB would have recourse against the servicer for such failure. As a result, the FHLB did not record an allowance for credit losses on its FHA insured mortgage loans. Furthermore, due to the insurance, none of these mortgage loans have been placed on non-accrual status.

Mortgage Loans - Conventional MPP. Conventional loans are evaluated collectively when similar risk characteristics exist; loans that do not share risk characteristics with other pools are removed from the collective evaluation and evaluated for expected credit losses on an individual basis. For loans with similar risk characteristics, the FHLB determines the allowance for credit losses through analyses that include considering various loan portfolio and collateral-related characteristics, such as past performance, current conditions, and reasonable and supportable forecasts of expected economic conditions. The FHLB uses a model that employs a variety of methods, such as projected cash flows to estimate expected credit losses over the life of the loans. This model relies on a number of inputs, such as both current and forecasted property values and interest rates as well as historical borrower behavior experience. The FHLB's calculation of expected credit losses includes a forecast of home prices over the entire contractual terms of its conventional loans rather than a reversion to historical home price trends after an initial forecast period. The FHLB also incorporates associated credit enhancements to determine estimated expected credit losses.

Certain conventional loans may be evaluated for credit losses by using the practical expedient for collateral dependent assets. A mortgage loan is considered collateral dependent when the borrower is experiencing financial difficulty and repayment is expected to

be substantially	v through	the sale of	of the unde	erlying of	collateral.	The FHLB	may	v estimate	the fa	air valu	e of	this

collateral by either applying an appropriate loss severity rate, using third-party estimates, or using a property valuation model. The expected credit loss of a collateral dependent mortgage loan is equal to the difference between the amortized cost of the loan and the estimated fair value of the collateral, less estimated selling costs. The FHLB will either reserve for these estimated losses or record a direct charge-off of the loan balance, if certain triggering criteria are met. Expected recoveries of prior charge-offs, if any, are included in the allowance for credit losses.

The FHLB also assesses other qualitative factors in its estimation of loan losses for the collectively evaluated population. This amount represents a subjective management judgment, based on facts and circumstances that exist as of the reporting date, which is intended to cover other expected losses that may not otherwise be captured in the methodology described above.

Allowance for Credit Losses on Conventional Mortgage Loans. At March 31, 2022 and December 31, 2021 the FHLB's allowance for credit losses on its conventional mortgage loans held for portfolio was (in thousands) \$238 and \$233, respectively.

Note 6 - Derivatives and Hedging Activities

Nature of Business Activity

The FHLB is exposed to interest rate risk primarily from the effect of changes in interest rates. The goal of the FHLB's interest-rate risk management strategy is not to eliminate interest-rate risk, but to manage it within appropriate limits. To mitigate the risk of loss, the FHLB has established policies and procedures, which include guidelines on the amount of exposure to interest rate changes it is willing to accept. In addition, the FHLB monitors the risk to its interest income, net interest margin and average maturity of interest-earning assets and interest-bearing liabilities. The FHLB uses derivatives when they are considered to be the most cost-effective alternative to achieve the FHLB's financial and risk management objectives. See Note 7 - Derivatives and Hedging Activities in the FHLB's 2021 Annual Report on Form 10-K for additional information on the FHLB's derivative transactions.

The FHLB transacts its derivatives with large banks and major broker-dealers. Some of these banks and broker-dealers or their affiliates buy, sell, and distribute Consolidated Obligations. Derivative transactions may be executed either with a counterparty, referred to as uncleared derivatives, or cleared through a Futures Commission Merchant (i.e., clearing agent) with a Derivative Clearing Organization, referred to as cleared derivatives. Once a derivative transaction has been accepted for clearing by a Derivative Clearing Organization (Clearinghouse), the executing counterparty is replaced with the Clearinghouse. The FHLB is not a derivative dealer and does not trade derivatives for short-term profit.

Financial Statement Effect and Additional Financial Information

The notional amount of derivatives serves as a factor in determining periodic interest payments or cash flows received and paid. The notional amount reflects the FHLB's involvement in the various classes of financial instruments and represents neither the actual amounts exchanged nor the overall exposure of the FHLB to credit and market risk; the overall risk is much smaller. The risks of derivatives only can be measured meaningfully on a portfolio basis that takes into account the counterparties, the types of derivatives, the items being hedged and any offsets between the derivatives and the items being hedged.

Table 6.1 summarizes the notional amount and fair value of derivative instruments and total derivative assets and liabilities. Total derivative assets and liabilities include the effect of netting adjustments and cash collateral. For purposes of this disclosure, the derivative values include the fair value of derivatives and the related accrued interest.

Table 6.1 - Fair Value of Derivative Instruments (in thousands)

		Ma	rch 31, 2022		
	Notional Amount of Derivatives	Derivative Assets			Derivative Liabilities
Derivatives designated as fair value hedging instruments:	 -				
Interest rate swaps	\$ 15,517,385	\$	2,055	\$	46,612
Derivatives not designated as hedging instruments:					
Interest rate swaps	15,389,664		3,177		6,580
Interest rate swaptions	436,000		1,620		_
Mortgage delivery commitments	 75,447		8		770
Total derivatives not designated as hedging instruments	 15,901,111		4,805		7,350
Total derivatives before adjustments	\$ 31,418,496		6,860		53,962
Netting adjustments and cash collateral (1)			311,299		(52,196)
Total derivative assets and total derivative liabilities		\$	318,159	\$	1,766
		Dece	mber 31, 2021	l	
	Notional Amount of Derivatives		mber 31, 2021 Derivative Assets	<u>l</u>	Derivative Liabilities
Derivatives designated as fair value hedging instruments:	Amount of		Derivative	<u> </u>	
Derivatives designated as fair value hedging instruments: Interest rate swaps	Amount of		Derivative	- \$	
	 Amount of Derivatives		Derivative Assets		Liabilities
Interest rate swaps	 Amount of Derivatives		Derivative Assets		Liabilities
Interest rate swaps Derivatives not designated as hedging instruments:	 Amount of Derivatives 13,720,290		Derivative Assets		Tiabilities 77,992
Interest rate swaps Derivatives not designated as hedging instruments: Interest rate swaps	 Amount of Derivatives 13,720,290 24,059,664		Derivative Assets 710 1,919		Tiabilities 77,992
Interest rate swaps Derivatives not designated as hedging instruments: Interest rate swaps Interest rate swaptions	 Amount of Derivatives 13,720,290 24,059,664 1,219,000		Derivative Assets 710 1,919 532		77,992 291 —
Interest rate swaps Derivatives not designated as hedging instruments: Interest rate swaps Interest rate swaptions Mortgage delivery commitments	 Amount of Derivatives 13,720,290 24,059,664 1,219,000 249,581		710 1,919 532 77		77,992 291 — 829
Interest rate swaps Derivatives not designated as hedging instruments: Interest rate swaps Interest rate swaptions Mortgage delivery commitments Total derivatives not designated as hedging instruments	\$ Amount of Derivatives 13,720,290 24,059,664 1,219,000 249,581 25,528,245		710 1,919 532 77 2,528		77,992 291 829 1,120

⁽¹⁾ Amounts represent the application of the netting requirements that allow the FHLB to settle positive and negative positions, and also cash collateral, including accrued interest, held or placed by the FHLB with the same clearing agent and/or counterparty. Cash collateral posted, including accrued interest, was (in thousands) \$364,745 and \$370,779 at March 31, 2022 and December 31, 2021. Cash collateral received, including accrued interest, was (in thousands) \$1,250 and \$460 at March 31, 2022 and December 31, 2021.

Table 6.2 presents the impact of qualifying fair value hedging relationships on net interest income as well as the total interest income (expense) by product.

Table 6.2 - Impact of Fair Value Hedging Relationships on Net Interest Income (in thousands)

	Three Months Ended March 31, 2022								
		Advances	Ava	ilable-for-Sale Securities		Consolidated Bonds			
Total interest income (expense) recorded in the Statements of Income	\$	45,318	\$	5,018	\$	(75,075)			
Impact of Fair Value Hedging Relationships						 -			
Interest rate swaps:									
Net interest settlements	\$	(21,695)	\$	(13,534)	\$	416			
Gain (loss) on derivatives		222,491		337,161		(10,779)			
Gain (loss) on hedged items		(220,175)		(337,269)		10,694			
Effect on net interest income	\$	(19,379)	\$	(13,642)	\$	331			

	Three Months Ended March 31, 2021							
		Advances	Ava	ilable-for-Sale Securities		Consolidated Bonds		
Total interest income (expense) recorded in the Statements of Income	\$	41,160	\$	1,335	\$	(96,186)		
Impact of Fair Value Hedging Relationships								
Interest rate swaps:								
Net interest settlements	\$	(32,844)	\$	(879)	\$	251		
Gain (loss) on derivatives		148,614		16,607		(375)		
Gain (loss) on hedged items		(144,809)		(15,774)		370		
Effect on net interest income	\$	(29,039)	\$	(46)	\$	246		

Table 6.3 presents the cumulative basis adjustments on hedged items designated as fair value hedges and the related amortized cost of the hedged items.

Table 6.3 - Cumulative Basis Adjustments for Fair Value Hedges (in thousands)

			March 31, 2022			
Advances			Available-for-Sale Securities	Consolidated Bonds		
\$	7,757,634	\$	6,304,145	\$	792,611	
====				-		
\$	(116,605)	\$	(398,890)	\$	(11,799)	
	831		7,025		_	
\$	(115,774)	\$	(391,865)	\$	(11,799)	
			December 31, 2021			
	Advances	1	Available-for-Sale Securities	Co	onsolidated Bonds	
\$	8,089,716	\$	5,238,549	\$	450,369	
\$	103,468	\$	(61,734)	\$	(1,104)	
	933		2,627		_	
\$	104,401	\$	(59,107)	\$	(1,104)	
	<u>\$</u>	\$ 7,757,634 \$ (116,605)	Advances \$ 7,757,634 \$ \$ (116,605) \$ 831 \$ \$ (115,774) \$ Advances \$ \$ 8,089,716 \$ \$ 103,468 \$ 933 \$	Advances Available-for-Sale Securities \$ 7,757,634 \$ 6,304,145 \$ (116,605) \$ (398,890) \$ (115,774) \$ (391,865) \$ December 31, 2021 Advances \$ Securities \$ 8,089,716 \$ 5,238,549 \$ 103,468 \$ (61,734) 933 2,627	Advances Securities Company \$ 7,757,634 \$ 6,304,145 \$ \$ (116,605) \$ (398,890) \$ \$ 31 7,025 \$ \$ (115,774) \$ (391,865) \$ December 31, 2021 Available-for-Sale Securities Company \$ 8,089,716 \$ 5,238,549 \$ \$ 103,468 \$ (61,734) \$ 933 2,627	

⁽¹⁾ Includes only the portion of amortized cost representing the hedged items in fair value hedging relationships.

Table 6.4 presents net gains (losses) recorded in non-interest income (loss) on derivatives not designated as hedging instruments.

Table 6.4 - Net Gains (Losses) Recorded in Non-interest Income (Loss) on Derivatives Not Designated as Hedging Instruments (in thousands)

(Three Months Ended March 31,				
		2022		2021	
Derivatives not designated as hedging instruments:					
Economic hedges:					
Interest rate swaps	\$	133,046	\$	140,780	
Interest rate swaptions		1,088		3,789	
Net interest settlements		(31,174)		(44,208)	
Mortgage delivery commitments		(5,883)		(3,264)	
Total net gains (losses) related to derivatives not designated as hedging instruments		97,077		97,097	
Price alignment amount (1)		28		47	
Net gains (losses) on derivatives	\$	97,105	\$	97,144	

⁽¹⁾ This amount is for derivatives for which variation margin is characterized as a daily settled contract.

Credit Risk on Derivatives

The FHLB is subject to credit risk given the risk of non-performance by counterparties to its derivative transactions, and manages credit risk through credit analysis, collateral requirements and adherence to the requirements set forth in its policies, U.S. Commodity Futures Trading Commission regulations, and Finance Agency regulations.

For uncleared derivatives, the degree of credit risk depends on the extent to which master netting arrangements are included in these contracts to mitigate the risk. The FHLB requires collateral agreements on its uncleared derivatives with the collateral delivery threshold set to zero.

For cleared derivatives, the Clearinghouse is the FHLB's counterparty. The Clearinghouse notifies the clearing agent of the required initial and variation margin and the clearing agent in turn notifies the FHLB. The FHLB utilizes two Clearinghouses for all cleared derivative transactions, LCH Ltd. and CME Clearing. At both Clearinghouses, variation margin is characterized as daily settlement payments, while initial margin is considered to be collateral. The requirement that the FHLB post initial and variation margin through the clearing agent, to the Clearinghouse, exposes the FHLB to credit risk if the clearing agent or the Clearinghouse fails to meet its obligations. The use of cleared derivatives is intended to mitigate credit risk exposure because a central counterparty is substituted for individual counterparties and collateral/payments for changes in the value of cleared derivatives is posted daily through a clearing agent. On the Statements of Cash Flows, the variation margin cash payments, or daily settlement payments, are included in net change in derivative and hedging activities, as an operating activity.

For cleared derivatives, the Clearinghouse determines initial margin requirements and generally credit ratings are not factored into the initial margin. However, clearing agents may require additional initial margin to be posted based on credit considerations, including, but not limited to, credit rating downgrades. At March 31, 2022, the FHLB was not required to post additional initial margin by its clearing agents based on credit considerations.

Offsetting of Derivative Assets and Derivative Liabilities

The FHLB presents derivative instruments, related cash collateral received or pledged, and associated accrued interest, on a net basis by clearing agent and/or by counterparty when it has met the netting requirements.

The FHLB has analyzed the enforceability of offsetting rights incorporated in its cleared derivative transactions, and it expects that the exercise of those offsetting rights by a non-defaulting party under these transactions would be upheld under applicable law upon an event of default including bankruptcy, insolvency, or similar proceeding involving the Clearinghouse or the FHLB's clearing agent, or both. Based on this analysis, the FHLB presents a net derivative receivable or payable for all of its transactions through a particular clearing agent with a particular Clearinghouse.

Table 6.5 presents separately the fair value of derivative instruments meeting or not meeting netting requirements, including the related collateral. At March 31, 2022 and December 31, 2021, the FHLB did not receive or pledge any non-cash collateral. Any over-collateralization under an individual clearing agent and/or counterparty level is not included in the determination of the net unsecured amount.

Table 6.5 - Offsetting of Derivative Assets and Derivative Liabilities (in thousands)

Th. /	r	. 1.	21	-	ΛΛ.
v	Яr	cп	- 1 I	. 2	11 7.

	Derivative Instruments Meeting Netting Requirements							
		Gross Recognized Amount		Gross Amount of Netting Adjustments and Cash Collateral		Perivative Instruments Not Meeting Netting Requirements (1)	_	otal Derivative Assets and Total Derivative Liabilities
Derivative Assets:								
Uncleared	\$	5,331	\$	(4,059)	\$	8	\$	1,280
Cleared		1,521		315,358		_		316,879
Total							\$	318,159
Derivative Liabilities:								
Uncleared	\$	41,211	\$	(40,215)	\$	770	\$	1,766
Cleared		11,981		(11,981)		_		_
Total							\$	1,766

December 31, 2021

Derivative Instruments Meeting Netting Requirements

	Requirements							
		Gross Recognized Amount		Gross Amount of Netting Adjustments and Cash Collateral]	Derivative Instruments Not Meeting Netting Requirements (1)		Total Derivative Assets and Total Derivative Liabilities
Derivative Assets:								
Uncleared	\$	1,892	\$	(1,748)	\$	77	\$	S 221
Cleared		1,269		296,246		_		297,515
Total							9	S 297,736
Derivative Liabilities:								
Uncleared	\$	77,126	\$	(74,664)	\$	829	\$	3,291
Cleared		1,157		(1,157)		_		_
Total							\$	3,291

⁽¹⁾ Represents mortgage delivery commitments that are not subject to an enforceable netting agreement.

Note 7 - Consolidated Obligations

Table 7.1 - Consolidated Discount Notes Outstanding (dollars in thousands)

	Ca	Principal Amount		Weighted Average Interest Rate ⁽¹⁾	
March 31, 2022	\$	31,650,657	\$	31,672,068	0.23 %
December 31, 2021	\$	29,837,696	\$	29,843,992	0.05 %

⁽¹⁾ Represents an implied rate without consideration of concessions.

Table 7.2 - Consolidated Bonds Outstanding by Original Contractual Maturity (dollars in thousands)

	March 31, 2022				December 31, 2021			
Year of Original Contractual Maturity		Amount	Weighted Average Interest Rate		Amount	Weighted Average Interest Rate		
Due in 1 year or less	\$	27,622,830	0.45 %	\$	12,828,885	0.55 %		
Due after 1 year through 2 years		3,567,175	1.92		3,836,120	1.91		
Due after 2 years through 3 years		1,972,405	2.14		1,724,405	2.23		
Due after 3 years through 4 years		2,090,000	1.54		2,095,000	1.39		
Due after 4 years through 5 years		1,161,000	1.86		870,000	1.86		
Thereafter		3,616,000	2.21		3,235,000	2.17		
Total principal amount		40,029,410	0.92		24,589,410	1.21		
Premiums		28,998			31,181			
Discounts		(20,351)			(17,709)			
Hedging adjustments		(11,799)			(1,104)			
Fair value option valuation adjustment and accrued interest		(10,560)			60			
Total	\$	40,015,698		\$	24,601,838			

Table 7.3 - Consolidated Bonds Outstanding by Call Features (in thousands)

	Ma	ırch 31, 2022	December 31, 2021		
Principal Amount of Consolidated Bonds:				_	
Non-callable	\$	34,183,410	\$	19,689,410	
Callable		5,846,000		4,900,000	
Total principal amount	\$	40,029,410	\$	24,589,410	

Table 7.4 - Consolidated Bonds Outstanding by Original Contractual Maturity or Next Call Date (in thousands)

Year of Original Contractual Maturity or Next Call Date	N	Iarch 31, 2022	Dece	ember 31, 2021
Due in 1 year or less	\$	33,258,830	\$	17,518,885
Due after 1 year through 2 years		2,616,175		3,085,120
Due after 2 years through 3 years		1,174,405		1,262,405
Due after 3 years through 4 years		723,000		728,000
Due after 4 years through 5 years		428,000		547,000
Thereafter		1,829,000		1,448,000
Total principal amount	\$	40,029,410	\$	24,589,410

Table 7.5 - Consolidated Bonds by Interest-rate Payment Type (in thousands)

	Ma	March 31, 2022		
Principal Amount of Consolidated Bonds:		_		_
Fixed-rate	\$	19,414,410	\$	23,739,410
Variable-rate		20,615,000		850,000
Total principal amount	\$	40,029,410	\$	24,589,410

Note 8 - Affordable Housing Program (AHP)

The FHLBank Act requires each FHLBank to establish an AHP. Each FHLBank provides subsidies in the form of direct grants or below-market interest rate AHP Advances to members who use the funds to assist in the purchase, construction, or rehabilitation of housing for very low-, low-, and moderate-income households. Each FHLBank is required to contribute to its

AHP the greater of 10 percent of its previous year's income subject to assessment, or the prorated sum required to ensure the aggregate contribution by the FHLBanks is no less than \$100 million for each year. For purposes of the AHP calculation, income subject to assessment is defined as net income before AHP assessments, plus interest expense related to mandatorily redeemable capital stock. The FHLB accrues AHP expense monthly based on its income subject to assessment. The FHLB reduces the AHP liability as members use subsidies.

Table 8.1 - Rollforward of the AHP Liability (in thousands)

Balance at December 31, 2021	\$ 84,504
Assessments (current year additions)	1,883
Subsidy uses, net	 (5,984)
Balance at March 31, 2022	\$ 80,403

Note 9 - Capital

Table 9.1 - Capital Requirements (dollars in thousands)

		March 31, 2022				December 31, 2021			
	F	Minimum Requirement		Actual	I	Minimum Requirement		Actual	
Risk-based capital	\$	888,610	\$	4,825,949	\$	856,322	\$	3,804,018	
Capital-to-assets ratio (regulatory)		4.00 %)	6.08 %		4.00 %)	6.28 %	
Regulatory capital	\$	3,173,434	\$	4,825,949	\$	2,424,703	\$	3,804,018	
Leverage capital-to-assets ratio (regulatory)		5.00 %)	9.12 %		5.00 %)	9.41 %	
Leverage capital	\$	3,966,793	\$	7,238,924	\$	3,030,879	\$	5,706,027	

Restricted Retained Earnings. At March 31, 2022 and December 31, 2021 the FHLB had (in thousands) \$512,941 and \$509,719, respectively, in restricted retained earnings. These restricted retained earnings are not available to pay dividends but are available to absorb unexpected losses, if any, that an FHLBank may experience.

Table 9.2 - Rollforward of Mandatorily Redeemable Capital Stock (in thousands)

Balance, December 31, 2021	\$ 21,211
Capital stock subject to mandatory redemption reclassified from equity	1,401,159
Repurchase/redemption of mandatorily redeemable capital stock	 (893,489)
Balance, March 31, 2022	\$ 528,881

Table 9.3 - Mandatorily Redeemable Capital Stock by Contractual Year of Redemption (in thousands)

Contractual Year of Redemption	Mar	ch 31, 2022	December 31, 2021		
Year 1	\$	1,142	\$	1,091	
Year 2		1,293		1,427	
Year 3		30		270	
Year 4		205		5	
Year 5		519,036		10,791	
Past contractual redemption date due to remaining activity (1)		7,175		7,627	
Total	\$	528,881	\$	21,211	

⁽¹⁾ Represents mandatorily redeemable capital stock that is past the end of the contractual redemption period because there is activity outstanding to which the mandatorily redeemable capital stock relates.

Note 10 - Accumulated Other Comprehensive Income (Loss)

The following tables summarize the changes in accumulated other comprehensive income (loss) for the three months ended March 31, 2022 and 2021.

Table 10.1 - Accumulated Other Comprehensive Income (Loss) (in thousands)

	(losses)	realized gains) on available- ale securities	pos	nsion and tretirement benefits	Total accumulated other comprehensive income (loss)		
BALANCE, DECEMBER 31, 2020	\$	4,718	\$	(19,703)	\$	(14,985)	
Other comprehensive income before reclassification:							
Net unrealized gains (losses)		2,687				2,687	
Reclassifications from other comprehensive income (loss) to net income:)						
Amortization - pension and postretirement benefits (1)		_		676		676	
Net current period other comprehensive income (loss)		2,687		676		3,363	
BALANCE, MARCH 31, 2021	\$	7,405	\$	(19,027)	\$	(11,622)	
BALANCE, DECEMBER 31, 2021	\$	26,125	\$	(13,031)	\$	13,094	
Other comprehensive income before reclassification:							
Net unrealized gains (losses)		(37,772)				(37,772)	
Reclassifications from other comprehensive income (loss) to net income:)						
Amortization - pension and postretirement benefits (1)		_		509		509	
Net current period other comprehensive income (loss)		(37,772)		509		(37,263)	
BALANCE, MARCH 31, 2022	\$	(11,647)	\$	(12,522)	\$	(24,169)	

⁽¹⁾ Included in Non-Interest Expense - Other in the Statements of Income.

Note 11 - Segment Information

The FHLB has identified two primary operating segments based on its method of internal reporting: Traditional Member Finance and the MPP. These segments reflect the FHLB's two primary Mission Asset Activities and the manner in which they are managed from the perspective of development, resource allocation, product delivery, pricing, credit risk and operational administration. The segments identify the principal ways the FHLB provides services to member stockholders.

Table 11.1 - Financial Performance by Operating Segment (in thousands)

	Three Months Ended March 31,					
		ional Member Finance		MPP		Total
<u>2022</u>						
Net interest income (loss)	\$	77,375	\$	3,415	\$	80,790
Non-interest income (loss)		(32,112)		(5,081)		(37,193)
Non-interest expense		22,751		2,852		25,603
Income (loss) before assessments		22,512		(4,518)		17,994
Affordable Housing Program assessments		2,335		(452)		1,883
Net income (loss)	\$	20,177	\$	(4,066)	\$	16,111
<u>2021</u>						
Net interest income (loss)	\$	87,382	\$	(11,476)	\$	75,906
Non-interest income (loss)		(31,026)		(539)		(31,565)
Non-interest expense		20,724		2,799		23,523
Income (loss) before assessments		35,632		(14,814)		20,818
Affordable Housing Program assessments		3,572		(1,481)		2,091
Net income (loss)	\$	32,060	\$	(13,333)	\$	18,727

Table 11.2 - Asset Balances by Operating Segment (in thousands)

		Assets						
	Tradi	Traditional Member Finance			Total			
March 31, 2022	\$	69,336,308	\$	9,999,548	\$	79,335,856		
December 31, 2021		50,086,904		10,530,681		60,617,585		

Note 12 - Fair Value Disclosures

The fair value amounts recorded on the Statements of Condition and presented in the related note disclosures have been determined by the FHLB using available market information and the FHLB's best judgment of appropriate valuation methods. GAAP defines fair value as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date (i.e., an exit price). The fair values reflect the FHLB's judgment of how a market participant would estimate the fair values.

Fair Value Hierarchy. GAAP establishes a fair value hierarchy and requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. The inputs are evaluated and an overall level for the measurement is determined. This overall level is an indication of how market observable the fair value measurement is.

The fair value hierarchy prioritizes the inputs used to measure fair value into three broad levels:

Level 1 Inputs - Quoted prices (unadjusted) for identical assets or liabilities in an active market that the reporting entity can access on the measurement date. An active market for the asset or liability is a market in which the transactions for the asset or liability occur with sufficient frequency and volume to provide pricing information on an ongoing basis.

Level 2 Inputs - Inputs other than quoted prices within Level 1 that are observable inputs for the asset or liability, either directly or indirectly. If the asset or liability has a specified (contractual) term, a Level 2 input must be observable for substantially the full term of the asset or liability. Level 2 inputs include the following: (1) quoted prices for similar assets or liabilities in active markets; (2) quoted prices for identical or similar assets or liabilities in markets that are not active; (3) inputs other than quoted prices that are observable for the asset or liability (e.g., interest rates and yield curves that are observable at commonly quoted intervals, and implied volatilities); and (4) inputs that are derived principally from or corroborated by observable market data by correlation or other means.

Level 3 Inputs - Unobservable inputs for the asset or liability, which are supported by limited to no market activity and reflect the FHLB's own assumptions.

The FHLB reviews the fair value hierarchy classifications on a quarterly basis. Changes in the observability of the valuation inputs may result in a reclassification of certain financial assets or liabilities. The FHLB did not have any transfers of assets or liabilities into or out of Level 3 of the fair value hierarchy during the three months ended March 31, 2022 or 2021.

Table 12.1 presents the carrying value, fair value, and fair value hierarchy of financial assets and liabilities of the FHLB. The FHLB records trading securities, available-for-sale securities, derivative assets, derivative liabilities, certain Advances and certain Consolidated Obligations at fair value on a recurring basis, and on occasion, certain mortgage loans held for portfolio on a nonrecurring basis. The FHLB records all other financial assets and liabilities at amortized cost. Refer to Table 12.2 for further details about the financial assets and liabilities held at fair value on either a recurring or nonrecurring basis.

Table 12.1 - Fair Value Summary (in thousands)

March 31, 2022

		Fair Value										
<u>Financial Instruments</u>	Carrying Value (1)	Total	Level 1	Level 2	Level 3	Netting Adjustments and Cash Collateral ⁽²⁾						
Assets:												
Cash and due from banks	\$ 21,898	\$ 21,898	\$ 21,898	\$ —	\$ —	\$ —						
Interest-bearing deposits	435,047	435,047		435,047		_						
Securities purchased under agreements to resell	6,024,560	6,024,561	_	6,024,561	_	_						
Federal funds sold	8,059,000	8,059,000		8,059,000		_						
Trading securities	6,050,632	6,050,632		6,050,632	_	_						
Available-for-sale securities	6,299,236	6,299,236		6,299,236	_	_						
Held-to-maturity securities	10,904,822	10,818,201	_	10,818,201	_	_						
Advances (3)	33,528,853	33,574,496	_	33,574,496	_	_						
Mortgage loans held for portfolio	7,555,457	7,269,249	_	7,250,185	19,064	_						
Accrued interest receivable	113,677	113,677	_	113,677		_						
Derivative assets	318,159	318,159	_	6,860	_	311,299						
Liabilities:												
Deposits	1,510,088	1,509,440	_	1,509,440	_	_						
Consolidated Obligations:												
Discount Notes (4)	31,650,657	31,648,759	_	31,648,759	_	_						
Bonds (5)	40,015,698	39,760,527	_	39,760,527	_	_						
Mandatorily redeemable capital stock	528,881	528,881	528,881	_	_	_						
Accrued interest payable	57,152	57,152	_	57,152	_	_						
Derivative liabilities	1,766	1,766	_	53,962	_	(52,196)						

- (1) For certain financial instruments, the amounts represent net carrying value, which include an allowance for credit losses.
- (2) Amounts represent the application of the netting requirements that allow the FHLB to settle positive and negative positions and also cash collateral and related accrued interest held or placed by the FHLB with the same counterparty.
- (3) Includes (in thousands) \$24,365 of Advances recorded under the fair value option at March 31, 2022.
- (4) Includes (in thousands) \$5,063,294 of Consolidated Obligation Discount Notes recorded under the fair value option at March 31, 2022.
- (5) Includes (in thousands) \$4,274,440 of Consolidated Obligation Bonds recorded under the fair value option at March 31, 2022.

Accrued interest payable

Derivative liabilities

	December 31, 2021											
						F	air Value					
Financial Instruments	Carrying Value (1)		Total		Level 1		Level 2	Level 3		Netting Adjustments and Cash Collateral ⁽²⁾		
Assets:												
Cash and due from banks	\$ 167,822	\$	167,822	\$	167,822	\$	_	\$	_	\$ —		
Interest-bearing deposits	340,147		340,147		_		340,147		_	_		
Securities purchased under agreements to resell	1,282,440		1,282,440		_		1,282,440		_	_		
Federal funds sold	5,505,000		5,505,000		_		5,505,000			_		
Trading securities	6,780,817		6,780,817		_		6,780,817		_	_		
Available-for-sale securities	5,267,123		5,267,123		_		5,267,123			_		
Held-to-maturity securities	10,216,756	1	0,269,821		_		10,269,821			_		
Advances (3)	23,054,748	2	3,191,040		_		23,191,040			_		
Mortgage loans held for portfolio	7,588,184		7,728,670		_		7,705,035	23	,635	_		
Accrued interest receivable	88,672		88,672		_		88,672		_	_		
Derivative assets	297,736		297,736		_		3,238		_	294,498		
Liabilities:												
Deposits	1,415,651		1,415,456		_		1,415,456		_	_		
Consolidated Obligations:												
Discount Notes (4)	29,837,696	2	9,837,184		_		29,837,184		_	_		
Bonds (5)	24,601,838	2	4,906,306		_		24,906,306		—	_		
Mandatorily redeemable capital stock	21,211		21,211		21,211		_		_	_		

- (1) For certain financial instruments, the amounts represent net carrying value, which include an allowance for credit losses.
- (2) Amounts represent the application of the netting requirements that allow the FHLB to settle positive and negative positions and also cash collateral and related accrued interest held or placed by the FHLB with the same counterparty.

60,682

3,291

60,682

79,112

(75,821)

(3) Includes (in thousands) \$25,805 of Advances recorded under the fair value option at December 31, 2021.

60,682

3,291

- (4) Includes (in thousands) \$10,420,974 of Consolidated Obligation Discount Notes recorded under the fair value option at December 31, 2021.
- (5) Includes (in thousands) \$7,175,060 of Consolidated Obligation Bonds recorded under the fair value option at December 31, 2021.

Summary of Valuation Methodologies and Primary Inputs.

The valuation methodologies and primary inputs used to develop the measurement of fair value for assets and liabilities that are measured at fair value on a recurring or nonrecurring basis in the Statement of Condition are disclosed in Note 15 - Fair Value Disclosures in the FHLB's 2021 Annual Report on Form 10-K. There have been no significant changes in the valuation methodologies during the three months ended March 31, 2022.

Fair Value Measurements.

Table 12.2 presents the fair value of financial assets and liabilities that are recorded on a recurring basis at March 31, 2022 and December 31, 2021, by level within the fair value hierarchy.

Table 12.2 - Fair Value Measurements (in thousands)

Table 12.2 - Pair Value Measurements (in the	Fair Value Measurements at March 31, 2022										
		Total		Level 1		Level 2		Level 3		Netting ustments and Collateral (1)	
Recurring fair value measurements - Assets											
Trading securities:											
U.S. Treasury obligations	\$	4,412,952	\$		\$	4,412,952	\$	_	\$	_	
GSE obligations		1,637,495		_		1,637,495		_		_	
U.S. obligation single-family MBS		185				185					
Total trading securities		6,050,632		_		6,050,632		_		_	
Available-for-sale securities:											
U.S. Treasury obligations		5,214,266		_		5,214,266		_		_	
GSE obligations		127,305				127,305				_	
GSE multi-family MBS		957,665		_		957,665					
Total available-for-sale securities		6,299,236				6,299,236		_		_	
Advances		24,365		_		24,365		_		_	
Derivative assets:											
Interest rate related		318,151				6,852				311,299	
Mortgage delivery commitments		8		_		8					
Total derivative assets		318,159				6,860				311,299	
Total assets at fair value	\$	12,692,392	\$		\$	12,381,093	\$		\$	311,299	
Recurring fair value measurements - Liabilities											
Consolidated Obligations:											
Discount Notes	\$	5,063,294	\$	_	\$	5,063,294	\$	_	\$	_	
Bonds		4,274,440				4,274,440		_		_	
Total Consolidated Obligations		9,337,734		_		9,337,734		_		_	
Derivative liabilities:											
Interest rate related		996		_		53,192		_		(52,196)	
Mortgage delivery commitments		770		_		770		_		_	
Total derivative liabilities		1,766		_		53,962		_		(52,196)	
Total liabilities at fair value	\$	9,339,500	\$	_	\$	9,391,696	\$	_	\$	(52,196)	

⁽¹⁾ Amounts represent the application of the netting requirements that allow the FHLB to settle positive and negative positions and also cash collateral and related accrued interest held or placed by the FHLB with the same counterparty.

	Fair	Value	Measurements	at December	31.	. 2021
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	Total			Level 1	Level 2	Level 3	Netting Adjustments and Cash Collateral ⁽¹⁾
Recurring fair value measurements - Assets							
Trading securities:							
U.S. Treasury obligations	\$	5,030,946	\$	_	\$ 5,030,946	\$ _	\$ _
GSE obligations		1,749,661		_	1,749,661	_	
U.S. obligation single-family MBS		210			210	 	<u> </u>
Total trading securities		6,780,817		_	6,780,817	_	 _
Available-for-sale securities:							
U.S. Treasury obligations		4,498,870		_	4,498,870	_	
GSE obligations		135,308		_	135,308	_	
GSE multi-family MBS		632,945			632,945	 	<u> </u>
Total available-for-sale securities		5,267,123		_	5,267,123	_	 _
Advances		25,805		_	25,805	_	_
Derivative assets:							
Interest rate related		297,659		_	3,161	_	294,498
Mortgage delivery commitments		77		_	77	 _	
Total derivative assets		297,736		_	3,238	_	294,498
Total assets at fair value	\$	12,371,481	\$		\$ 12,076,983	\$ 	\$ 294,498
Recurring fair value measurements - Liabilities							
Consolidated Obligations:							
Discount Notes	\$	10,420,974	\$	_	\$ 10,420,974	\$ _	\$ _
Bonds		7,175,060			7,175,060	 _	<u> </u>
Total Consolidated Obligations		17,596,034		_	17,596,034	_	 _
Derivative liabilities:							
Interest rate related		2,462		_	78,283	_	(75,821)
Mortgage delivery commitments		829		_	829	_	_
Total derivative liabilities		3,291			79,112	 	(75,821)
Total liabilities at fair value	\$	17,599,325	\$		\$ 17,675,146	\$ _	\$ (75,821)

⁽¹⁾ Amounts represent the application of the netting requirements that allow the FHLB to settle positive and negative positions and also cash collateral and related accrued interest held or placed by the FHLB with the same counterparty.

Fair Value Option. The fair value option provides an irrevocable option to elect fair value as an alternative measurement for selected financial assets, financial liabilities, unrecognized firm commitments, and written loan commitments not previously carried at fair value. It requires a company to display the fair value of those assets and liabilities for which it has chosen to use fair value on the face of the Statements of Condition. Fair value is used for both the initial and subsequent measurement of the designated assets, liabilities and commitments, with the changes in fair value recognized in net income. If elected, interest income and interest expense on Advances and Consolidated Obligations carried at fair value are recognized based solely on the contractual amount of interest due or unpaid. Any transaction fees or costs are immediately recognized into other non-interest income or other non-interest expense.

The FHLB has elected the fair value option for certain financial instruments that either do not qualify for hedge accounting or may be at risk for not meeting hedge effectiveness requirements. These fair value elections were made primarily in an effort to mitigate the potential income statement volatility that can arise from economic hedging relationships in which the carrying value of the hedged item is not adjusted for changes in fair value.

Table 12.3 presents net gains (losses) recognized in earnings related to financial assets and liabilities in which the fair value option was elected during the three months ended March 31, 2022 and 2021.

Table 12.3 – Fair Value Option - Financial Assets and Liabilities (in thousands)

	Ti	hree Months F	inded M	larch 31,		
Net Gains (Losses) from Changes in Fair Value Recognized in Earnings		2022		2021		
Advances	\$	(1,440)	\$	(1,300)		
Consolidated Discount Notes		9,200		(5)		
Consolidated Bonds		10,918		5,210		
Total net gains (losses)	\$	18,678	\$	3,905		

For instruments recorded under the fair value option, the related contractual interest income, contractual interest expense and the discount amortization on Discount Notes are recorded as part of net interest income on the Statements of Income. The remaining changes in fair value for instruments in which the fair value option has been elected are recorded as "Net gains (losses) on financial instruments held under fair value option" in the Statements of Income, except for changes in fair value related to instrument specific credit risk, which are recorded in accumulated other comprehensive income in the Statement of Condition. The FHLB has determined that none of the remaining changes in fair value were related to instrument-specific credit risk for the three months ended March 31, 2022 or 2021. In determining that there has been no change in instrument-specific credit risk period to period, the FHLB primarily considered the following factors:

- The FHLB is a federally chartered GSE, and as a result of this status, the FHLB's Consolidated Obligations have historically received the same credit ratings as the government bond credit rating of the United States, even though they are not obligations of the United States and are not guaranteed by the United States.
- The FHLB is jointly and severally liable with the other 10 FHLBanks for the payment of principal and interest on all Consolidated Obligations of each of the other FHLBanks.

The following table reflects the difference between the aggregate unpaid principal balance outstanding and the aggregate fair value for Advances and Consolidated Obligations for which the fair value option has been elected.

Table 12.4 - Aggregate Unpaid Balance and Aggregate Fair Value (in thousands)

		N	March 31, 2	022		December 31, 2021							
	Aggregate Unpaid Principal Balance	Aggregate Fair Value		Aggregate Fair Value Over/(Under) Aggregate Unpaid Principal Balance			ggregate Unpaid Principal Balance	Aggregate Fair Value			Aggregate Fair Value Over/(Under) ggregate Unpaid rincipal Balance		
Advances	\$ 26,500	\$	24,365	\$	(2,135)	\$	26,500	\$	25,805	\$	(695)		
Consolidated Discount Notes	5,076,400		5,063,294		(13,106)	1	0,426,400	1	0,420,974		(5,426)		
Consolidated Bonds	4,285,000		4,274,440	(10,560)			7,175,000 7,175,060			0 60			

Note 13 - Commitments and Contingencies

Off-Balance Sheet Commitments. Table 13.1 represents off-balance sheet commitments at March 31, 2022 and December 31, 2021. The FHLB has deemed it unnecessary to record any liabilities for credit losses on these commitments at March 31, 2022 and December 31, 2021.

Table 13.1 - Off-Balance Sheet Commitments (in thousands)

]	Mar	ch 31, 2022	2		December 31, 2021						
Notional Amount	Expire within one year		Expire after one year		Total		Expire within one year		Expire after one year		Total		
Letters of Credit	\$	33,553,365	\$	259,472	\$	33,812,837	\$	34,281,457	\$	355,646	\$	34,637,103	
Commitments for standby bond purchases		11,675		_		11,675		14,035		12,885		26,920	
Commitments to purchase mortgage loans		75,447		_		75,447		249,581		_		249,581	
Unsettled Consolidated Bonds, principal amount (1)		325,000		_		325,000		_		_		_	

⁽¹⁾ Expiration is based on settlement period rather than underlying contractual maturity of Consolidated Obligations.

The carrying value of guarantees related to Letters of Credit are recorded in other liabilities and were (in thousands) \$9,622 and \$8,751 at March 31, 2022 and December 31, 2021.

Legal Proceedings. From time to time, the FHLB is subject to legal proceedings arising in the normal course of business. The FHLB would record an accrual for a loss contingency when it is probable that a loss has been incurred and the amount could be reasonably estimated. After consultation with legal counsel, management does not anticipate that the ultimate liability and the range of reasonably possible losses, if any, arising out of any matters will have a material effect on the FHLB's financial condition or results of operations.

Note 14 - Transactions with Other FHLBanks

The FHLB notes all transactions with other FHLBanks on the face of its financial statements. Occasionally, the FHLB loans short-term funds to and borrows short-term funds from other FHLBanks. These loans and borrowings are transacted at then current market rates when traded. There were no such loans or borrowings outstanding at March 31, 2022 or December 31, 2021 and no such transactions occurred during the three months ended March 31, 2022 and 2021.

In addition, the FHLB may, from time to time, assume the outstanding primary liability for Consolidated Obligations of another FHLBank (at then current market rates on the day when the transfer is traded) rather than issuing new debt for which the FHLB is the primary obligor. The FHLB then becomes the primary obligor on the transferred debt. There were no Consolidated Obligations transferred to the FHLB during the three months ended March 31, 2022 or 2021. The FHLB had no Consolidated Obligations transferred to other FHLBanks during these periods.

Note 15 - Transactions with Stockholders

As a cooperative, the FHLB's capital stock is owned by its members, by former members that retain the stock as provided in the FHLB's Capital Plan and by nonmember institutions that have acquired members and must retain the stock to support Advances or other activities with the FHLB. All Advances are issued to members and all mortgage loans held for portfolio are purchased from members. The FHLB also maintains demand deposit accounts for members, primarily to facilitate settlement activities that are directly related to Advances and mortgage loan purchases. Additionally, the FHLB may enter into interest rate swaps with its stockholders. The FHLB may not invest in any equity securities issued by its stockholders and it has not purchased any MBS securitized by, or other direct long-term investments in, its stockholders.

For financial statement purposes, the FHLB defines related parties as those members with more than 10 percent of the voting interests of the FHLB capital stock outstanding. Federal statute prescribes the voting rights of members in the election of both Member and Independent directors. For Member directorships, the Finance Agency designates the number of Member directorships in a given year and an eligible voting member may vote only for candidates seeking election in its respective state. For Independent directors, the FHLB's Board of Directors nominates candidates to be placed on the ballot in an at-large election. For both Member and Independent director elections, a member is entitled to vote one share of required capital stock, subject to a statutory limitation, for each applicable directorship. Under this limitation, the total number of votes that a member may cast is limited to the average number of shares of the FHLB's capital stock that were required to be held by all members in that state as of the record date for voting. Nonmember stockholders are not eligible to vote in director elections. Due to these statutory limitations, no member owned more than 10 percent of the voting interests of the FHLB at March 31, 2022 or December 31, 2021.

All transactions with stockholders are entered into in the ordinary course of business. Finance Agency regulations require the FHLB to offer the same pricing for Advances and other services to all members regardless of asset or transaction size, charter type, or geographic location. However, the FHLB may, in pricing its Advances, distinguish among members based upon its assessment of the credit and other risks to the FHLB of lending to any particular member or upon other reasonable criteria that may be applied equally to all members. The FHLB's policies and procedures require that such standards and criteria be applied consistently and without discrimination to all members applying for Advances.

Transactions with Directors' Financial Institutions. In the ordinary course of its business, the FHLB provides products and services to members whose officers or directors serve as directors of the FHLB (Directors' Financial Institutions). Finance Agency regulations require that transactions with Directors' Financial Institutions be made on the same terms as those with any other member. The following table reflects balances with Directors' Financial Institutions for the items indicated below. The FHLB had no MBS or derivatives transactions with Directors' Financial Institutions at March 31, 2022 or December 31, 2021.

Table 15.1 - Transactions with Directors' Financial Institutions (dollars in millions)

	 March	31, 2022		Decembe	er 31, 2021
	Balance	% of Total (1)	E	Balance	% of Total (1)
Advances	\$ 15,347	45.6 %	\$	6,131	26.7 %
MPP	61	0.8		166	2.2
Regulatory capital stock	897	25.4		393	15.7

⁽¹⁾ Percentage of total principal (Advances), unpaid principal balance (MPP), and regulatory capital stock.

Concentrations. The following table shows regulatory capital stock balances, outstanding Advance principal balances, and unpaid principal balances of mortgage loans held for portfolio of stockholders holding five percent or more of regulatory capital stock and includes any known affiliates that are members of the FHLB.

Table 15.2 - Stockholders Holding Five Percent or more of Regulatory Capital Stock (dollars in millions)

	R	egulatory C	Capital Stock	Advance		MPP Unpaid
March 31, 2022	Ва	lance	% of Total	 Principal	P	rincipal Balance
U.S. Bank, N.A.	\$	686	19 %	\$ 12,272	\$	9
The Huntington National Bank		456	13	3		354

	R	egulatory C	Capital Stock	A	Advance	MPP	Unpaid	
<u>December 31, 2021</u>		alance	% of Total	F	Principal	Principal Balance		
U.S. Bank, N.A.	\$	186	7 %	\$	3,272	\$	10	
Third Federal Savings & Loan Association		163	6		3,179		29	
Protective Life Insurance Company		143	6		2,800		_	
Nationwide Life Insurance Company		143	6		2,702			

Nonmember Affiliates. The FHLB has relationships with three nonmember affiliates, the Kentucky Housing Corporation, the Ohio Housing Finance Agency and the Tennessee Housing Development Agency. The FHLB had no investments in or borrowings to any of these nonmember affiliates at March 31, 2022 or December 31, 2021. The FHLB has executed standby bond purchase agreements with the Ohio Housing Finance Agency whereby the FHLB, for a fee, agrees as a liquidity provider if required, to purchase and hold the authority's bonds until the designated marketing agent can find a suitable investor or the housing authority repurchases the bond according to a schedule established by the standby agreement. During the first three months of 2022 and 2021, the FHLB was not required to purchase any bonds under these agreements.

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations.

This document contains forward-looking statements that describe the objectives, expectations, estimates, and assessments of the Federal Home Loan Bank of Cincinnati (the FHLB). These statements use words such as "anticipates," "expects," "believes," "could," "estimates," "may," and "should." By their nature, forward-looking statements relate to matters involving risks or uncertainties, some of which we may not be able to know, control, or completely manage. Actual future results could differ materially from those expressed or implied in forward-looking statements or could affect the extent to which we are able to realize an objective, expectation, estimate, or assessment. Some of the risks and uncertainties that could affect our forward-looking statements include the following:

- the effects of economic, financial, credit, market, and member conditions on our financial condition and results of operations, including changes in economic growth, general liquidity conditions, inflation and deflation, interest rates, interest rate spreads, interest rate volatility, mortgage originations, prepayment activity, housing prices, asset delinquencies, and members' mergers and consolidations, deposit flows, liquidity needs, and loan demand;
- political, national, or world events, including acts of war, civil unrest, terrorism, natural disasters, climate change, pandemics, including the current COVID-19 pandemic, or other catastrophic events, and legislative, regulatory,

government, judicial or other developments that could affect us, our members, our counterparties, other Federal Home Loan Banks (FHLBanks) and other government-sponsored enterprises (GSEs), and/or investors in the Federal Home Loan Bank System's (FHLBank System) unsecured debt securities, which are called Consolidated Obligations or Obligations;

- competitive forces, including those related to other sources of funding available to members, to purchases of mortgage loans, and to our issuance of Consolidated Obligations;
- the financial results and actions of other FHLBanks that could affect our ability, in relation to the FHLBank System's joint and several liability for Consolidated Obligations, to access the capital markets on favorable terms or preserve our profitability, or could alter the regulations and legislation to which we are subject;
- changes in ratings assigned to FHLBank System Obligations or the FHLB that could raise our funding cost;
- changes in investor demand for Obligations;
- the volatility of market prices, interest rates, credit quality, and other indices that could affect the value of investments and collateral we hold as security for member obligations and/or for counterparty obligations;
- uncertainties relating to the phasing out of the London InterBank Offered Rate (LIBOR) that could impact our mortgage-backed securities (MBS) investments, Advances, derivatives, and collateral;
- the ability to attract and retain skilled management and other key employees;
- the ability to develop, secure and support technology and information systems that help effectively manage the risks we face (including cybersecurity risks);
- the risk of loss arising from failures or interruptions in our ongoing business operations, internal controls, information systems or other operating technologies;
- the ability to successfully manage new products and services; and
- the risk of loss arising from litigation filed against us or one or more other FHLBanks.

We do not undertake any obligation to update any forward-looking statements made in this document.

EXECUTIVE OVERVIEW

Recent Developments

During the first quarter of 2022, concerns about inflation, the impact of the Federal Reserve raising the target overnight Federal funds rate as well as speculation about its future actions, and further market volatility caused by Russia's invasion of Ukraine were dominant themes. Additionally, the COVID-19 pandemic has caused lasting impacts on communities and businesses worldwide, including those in the Fifth District. Despite these challenges, we have continued to fulfill our mission of providing robust access to a key source of readily available and competitively priced wholesale funding to member financial institutions and supporting our commitment to affordable housing and community investment. Our capital and liquidity positions remained strong, as did our overall ability to fund operations through the issuance of Consolidated Obligations at acceptable interest costs. Additionally, overall residual credit risk exposure from our Credit Services, mortgage loan portfolio, investments, and derivative transactions has remained de minimis. We continue to monitor the changing economic landscape and effects of the COVID-19 pandemic, including any future variants, and are committed to assisting members and their communities as impacts related to the pandemic continue to unfold.

Financial Condition

Mission Assets and Activities

Primary Mission Assets (i.e., principal balances of Advances and mortgage loans held for portfolio) and Supplemental Mission Activities (i.e., Letters of Credit, Mandatory Delivery Contracts and standby bond purchase agreements) are the primary means by

which we fulfill our mission with direct connections to members and what we refer to as Mission Assets and Activities. We regularly monitor our concentration of Mission Assets and Activities. One measure we use to assess mission achievement is our

Primary Mission Asset ratio, which measures the sum of average Advances and mortgage loans as a percentage of average Consolidated Obligations (adjusted for certain high-quality liquid assets, as permitted by regulation). In the first three months of 2022, the Primary Mission Asset ratio averaged 69 percent, slightly below the Finance Agency's preferred ratio of 70 percent. In assessing overall mission achievement, we also consider supplemental sources of Mission Assets and Activities, the most significant of which is Letters of Credit issued for the benefit of members.

The following table summarizes our Mission Assets and Activities.

	Ending Balances							Average Balances						
		Marc	ch 31	,	December 31,		Three Months Ended March 31,					Year Ended ecember 31,		
(In millions)		2022 2021			2021		2022		2021		2021			
Primary Mission Assets (1):														
Advances	\$	33,650	\$	24,157	\$	22,954	\$	33,328	\$	24,237	\$	23,721		
Mortgage loans held for portfolio		7,379		8,391		7,402		7,461		8,876		7,931		
Total Primary Mission Assets	\$	41,029	\$	32,548	\$	30,356	\$	40,789	\$	33,113	\$	31,652		
Supplemental Mission Activities (2):														
Letters of Credit (notional)	\$	33,813	\$	33,650	\$	34,637	\$	34,188	\$	32,031	\$	33,922		
Mandatory Delivery Contracts (notional)		75		88		250		83		116		249		
Standby bond purchase agreements (notional)	s	12		31		27		26		34		31		
Total Supplemental Mission Activities	\$	33,900	\$	33,769	\$	34,914	\$	34,297	\$	32,181	\$	34,202		
						·								

- (1) Amounts represent principal balances.
- (2) Amounts represent off-balance sheet commitments.

Advance principal balances increased \$10.7 billion (47 percent) from year-end 2021. Similarly, average principal Advance balances for the three months ended March 31, 2022 increased \$9.1 billion (38 percent) compared to the same period of 2021. The increase in Advances was primarily due to a few large-asset members accessing temporary liquidity because of uncertainties in the financial markets during the first quarter of 2022. Despite the increase in Advances, demand for Advances continues to be impacted by the unprecedented amount of liquidity in the financial markets as a result of governmental stimulus actions in response to the COVID-19 pandemic. Advance demand could improve as one or more of the following occur: reductions in government liquidity programs, changes in the Federal Reserve monetary policy, or a rise in interest rates.

Advance balances are often volatile because of members' ability to quickly, normally on the same day, increase or decrease their amount of Advances. We believe that a key benefit of membership comes from our business model as a wholesale lender GSE, which provides members flexibility in their Advance funding levels and helps support their asset-liability management needs. We act as a readily available source of funding for our members. Our business model is designed to support significant changes in asset levels without having to undergo material changes in staffing, operations, risk practices, or general resource needs. A key reason for this scalability is that our Capital Plan provides for additional capital when Advances grow and the opportunity for us to retire capital when Advances decline, thereby acting, along with our efficient level of operating expenses, to preserve competitive profitability.

The MPP principal balance was similar to the year-end 2021 balance, ending the first quarter of 2022 at \$7.4 billion. During the first three months of 2022, we purchased \$0.4 billion of mortgage loans, while principal reductions were \$0.4 billion. Principal reductions in the first three months of 2022 trended much lower than the reductions in 2021 reflecting the rise in mortgage rates.

Letters of Credit remained elevated, ending the first quarter of 2022 at \$33.8 billion, a two percent decrease from year-end 2021. Letters of Credit balances began increasing in the second half of 2020 and have remained strong primarily because of members using them to secure elevated levels of public unit deposits. We normally earn fees on Letters of Credit based on the actual average amount of the Letters utilized, which generally is less than the notional amount issued.

Investments

The balance of investments at March 31, 2022 was \$37.8 billion, an increase of \$8.4 billion (29 percent) from year-end 2021. At March 31, 2022, investments included \$11.8 billion of MBS and \$26.0 billion of other investments, which consisted primarily of highly-rated short-term instruments and longer-term U.S. Treasury and GSE obligations held for liquidity. All of our MBS held at March 31, 2022 were issued and guaranteed by Fannie Mae, Freddie Mac or a U.S. agency.

Investments averaged \$35.0 billion in the first three months of 2022, an increase of \$6.1 billion (21 percent) compared to the average during the same period of 2021. The increases in average and ending investment balances were primarily driven by funds from the maturities and prepayments of Advances near the end of the first quarter of 2022 being temporarily invested in short-term liquidity investments. The ending and average balances of MBS were also higher as we purchased \$5.4 billion of new MBS over the last four quarters. The majority of these purchases were variable-rate MBS linked to the Secured Overnight Financing Rate (SOFR). Liquidity investments can vary significantly on a daily basis during times of volatility in Advance balances. We maintained a robust amount of asset liquidity throughout the first three months of 2022 across a variety of liquidity measures, as discussed in the "Liquidity Risk" section of "Quantitative and Qualitative Disclosures About Risk Management."

Capital

Capital adequacy surpassed all minimum regulatory capital requirements in the first three months of 2022. The GAAP and regulatory capital-to-assets ratios at March 31, 2022 were 5.39 percent and 6.08 percent, respectively. Both ratios exceeded the regulatory required minimum of four percent. Regulatory capital includes mandatorily redeemable capital stock accounted for as a liability under GAAP. GAAP and regulatory capital increased \$0.5 billion and \$1.0 billion, respectively, in the first three months of 2022. The increase in capital was driven by purchases of capital stock to support short-term Advance activity in the first quarter of 2022. Retained earnings totaled \$1.3 billion at March 31, 2022, flat compared to year-end 2021. We believe the amount of retained earnings is sufficient to protect against members' impairment risk of their capital stock investment in the FHLB and to provide the opportunity to stabilize or increase future dividends.

Results of Operations

Overall Results

Our earnings over time reflect the combination of a stable business model and conservative management of risk. Key market driven factors that can cause significant periodic volatility in our profitability are changes in the level of interest rates, changes in spreads between benchmark interest rates and our short-term funding costs, recognition of net amortization from accelerated prepayments of mortgage assets, and fair value adjustments related to the use of derivatives and the associated hedged items. Our profitability may also be affected by our members' overall Advance demand, which is largely influenced by the monetary policies of the U.S. government and its agencies, including the Federal Reserve, and general economic conditions. The table below summarizes our results of operations.

Th	Year Ended December 31,				
2022 2021		2021			
\$	16	\$	19	\$	42
	2		2		5
	1.48 %		1.96 %		1.08 %
	0.09		0.12		0.07
	2.00		2.00		2.00
	76.8		74.2		126.8
	0.11		0.06		0.06
	1.37		1.90		1.02
	1.89		1.94		1.94
	<u> </u>	\$\frac{16}{2}\\ 1.48 \%\\ 0.09\\ 2.00\\ 76.8\\ 0.11\\ 1.37	\$\frac{16}{2}\$ \$\frac{1}{1.48\%}\$ \$0.09 \$2.00 \$76.8 \$0.11 \$1.37	\$ 16 \$ 19 2 2 1.48 % 1.96 % 0.09 0.12 2.00 2.00 76.8 74.2 0.11 0.06 1.37 1.90	Three Months Ended March 31, 2022 \$ 16 \$ 19 \$ 2 2 1.48 % 1.96 % 0.09 0.12 2.00 2.00 76.8 74.2 0.11 0.06 1.37 1.90

- (1) Dividend payout ratio is dividends declared in the period as a percentage of net income.
- (2) Average overnight interest rates consist of SOFR and the Federal funds effective rate.

Net income decreased \$3 million in the first three months of 2022 compared to the same period of 2021. The decline in profitability in the first quarter of 2022 compared to the first quarter of 2021 was primarily due to unrealized losses on certain derivatives and other financial instruments carried at fair value. This decline in profitability was partially offset by an increase in net interest income resulting from lower premium amortization in the first quarter of 2022. Premium amortization declined because of lower volumes of mortgage refinance activity given the increase in mortgage rates.

In the first three months of 2022, we accrued \$2 million for the Affordable Housing Program (AHP) pool of funds, which will be available to members in 2023. In addition to the required AHP assessment, we provided voluntary sponsorship of two other housing programs. These programs provided funds to cover accessibility and emergency repairs for special needs and elderly homeowners and funds for the replacement or repair of homes damaged or destroyed by natural disasters within the Fifth District.

In March 2022, we paid stockholders a quarterly dividend at a 2.00 percent annualized rate on their capital investment in our company, which is 1.89 percentage points above first quarter average overnight interest rates.

Effect of Interest Rate Environment

Trends in market interest rates and the resulting shapes of the market yield curves strongly influence our results of operations and profitability because of how they affect members' demand for Mission Assets and Activities, spreads on assets, funding costs and decisions in managing the tradeoffs in our market risk/return profile. The following table presents key market interest rates (obtained from Bloomberg L.P.).

<u> </u>	Quarter 1	Quarter 1 2022		021	Quarter 1 2021		
_	Ending	Average	Ending	Average	Ending	Average	
Federal funds effective	0.33 %	0.12 %	0.07 %	0.08 %	0.06 %	0.08 %	
Secured Overnight Financing Rate (SOFR)	0.29	0.09	0.05	0.04	0.01	0.04	
3-month LIBOR	0.96	0.51	0.21	0.16	0.19	0.20	
2-year LIBOR	2.55	1.63	0.94	0.38	0.29	0.22	
10-year LIBOR	2.41	2.01	1.58	1.45	1.78	1.35	
2-year U.S. Treasury	2.34	1.43	0.73	0.26	0.16	0.13	
10-year U.S. Treasury	2.34	1.93	1.51	1.43	1.74	1.31	
15-year mortgage current coupon (1)	2.82	2.17	1.41	1.21	1.39	1.05	
30-year mortgage current coupon (1)	3.49	2.83	2.07	1.84	2.04	1.68	

(1) Current coupon rate of Fannie Mae par MBS indications.

The Federal Reserve has begun to respond to inflationary concerns by increasing the target overnight Federal funds rate and indicating further expected rate hikes throughout 2022. At March 31, 2022 the target overnight Federal funds rate was in the range of 0.25 to 0.50 percent, an increase from the range of zero to 0.25 percent at December 31, 2021. In May 2022, the Federal Reserve increased the target overnight Federal funds rate by 0.50 percent to a range of 0.75 to 1.00 percent.

Average overnight rates were approximately five basis points higher in the first three months of 2022 compared to the same period of 2021, while average mortgage rates increased approximately 115 basis points. The substantial increase in mortgage rates in the first three months of 2022 benefited net income as it resulted in fewer homeowners refinancing, which decreased the amount of principal prepayments and lowered the associated premium amortization.

During the first three months of 2022, and all of 2021, the market risk exposure to changing interest rates was moderate overall and well within policy limits. We believe that longer-term profitability will be competitive, unless interest rates were to further increase significantly for a sustained period of time. In the short-term, profitability could decrease if long-term interest rates decline more than 150 basis points, leading to faster prepayments of mortgage assets.

Regulatory and Legislative Developments

Significant regulatory and legislative actions and developments for the period covered by this Report not previously disclosed are summarized below.

Proposed SEC Rule on Climate-related Disclosures

On March 21, 2022, the SEC issued a proposed rule on climate-related disclosures that would require us to expand the breadth, specificity and rigor of climate-related disclosures in our periodic reports. More specifically, the proposed rule would require us to disclose our:

- direct and certain indirect greenhouse gas emissions;
- climate transition plan, climate-related targets and progress toward such plan or targets;
- climate-related risks over various time horizons and their impacts on our business;
- climate-related risks in qualitative and quantitative terms in the notes to our financial statements; and
- corporate governance of climate-related risks and risk management processes.

As proposed, we would become subject to certain disclosure requirements for our annual report for fiscal year 2024 and additional disclosure requirements for our annual report for fiscal year 2025. We continue to review the proposed rule, but expect that it would

result in	increased	costs and	complexity	associated a	with our	SEC re	eporting.	While we	e are unable	to

quantify the anticipated costs at this time, we expect that compliance would require operational enhancements impacting many aspects of our business. We are unable to predict at this time whether the SEC will finalize the proposed rule, the extent to which any final rule will deviate from the proposed rule and the extent to which we would be required to comply with any final rule.

LIBOR Transition

We are planning for the replacement of LIBOR and the establishment of SOFR as the recommended alternative to LIBOR. Under the July 2017 and March 2021 announcements by the United Kingdom's Financial Conduct Authority (FCA), the one-week and two-month U.S. dollar LIBOR settings ceased to be provided by any administrator and were no longer representative as of January 1, 2022. The remaining U.S. dollar LIBOR settings will either cease to be provided by any administrator or no longer be representative immediately after June 30, 2023. Although the FCA does not expect these remaining LIBOR settings to become unrepresentative before the cessation date, there is no assurance that any of them will continue to be published or be representative through any particular date. In addition, the Adjustable Interest Rate (LIBOR) Act (LIBOR Act) was signed into law on March 15, 2022. The LIBOR Act provides a national, uniform approach to legacy contracts with inadequate or unworkable fallback provisions commencing from the LIBOR replacement date. For relevant contracts, the LIBOR Act will automatically impose a rate selected by the Federal Reserve Board based upon SOFR including any applicable tenor spread adjustment. The legislation also includes a safe harbor against liability for parties with contractual discretion who choose the Federal Reserve Board's SOFR-based rate to replace LIBOR.

Accordingly, we have developed and implemented a LIBOR transition plan to remediate our LIBOR-linked financial instruments and contracts. We have added or adjusted fallback language for our Advances and have worked with our counterparties to address over-the-counter derivative agreements referencing U.S. dollar LIBOR as part of our LIBOR transition efforts. As the market activity in SOFR-linked financial instruments has continued to develop, we have offered SOFR-linked Consolidated Obligations and SOFR-linked Advances on an ongoing basis. In addition, we have been using SOFR-based derivatives to manage interest-rate risk, purchasing SOFR-linked MBS, and converting certain LIBOR-based derivatives to SOFR. We expect to continue to convert certain LIBOR-based derivatives, in particular those with maturities after June 30, 2023, to an alternative reference rate prior to the cessation of LIBOR. Collectively, we believe these efforts have reduced our LIBOR exposure and have kept us on track for the full replacement of LIBOR.

The following table presents our remaining LIBOR-indexed Advances, investment securities and derivatives at March 31, 2022. At March 31, 2022, all of our variable rate Consolidated Obligations were linked to SOFR.

(In millions)	g on or before 30, 2023	Maturing	g after June 30, 2023
LIBOR-Indexed Variable Rate Financial Instruments	 _		_
Advances by redemption term	\$ 284	\$	3,008
MBS by contractual maturity (1)	 		4,311
Total principal amount	\$ 284	\$	7,319
Derivatives, notional amount by termination date	\$ 1,654	\$	2,527

(1) MBS are presented by contractual maturity; however, their expected maturities will likely differ from contractual maturities as borrowers may have the right to call or prepay obligations with or without call or prepayment fees.

The market transition away from LIBOR towards SOFR is complicated, including the possible development of term structures and credit adjustments to accommodate differences between LIBOR and SOFR and the potential introduction of other alternative reference rates. As such, we are not currently able to predict the ultimate impact of such a transition on our business, financial condition, and results of operations.

ANALYSIS OF FINANCIAL CONDITION

Credit Services

Credit Activity and Advance Composition

The table below shows trends in Advance balances by major programs and in the notional amount of Letters of Credit.

(Dollars in millions)	March	31, 2022	December 31, 2021			31, 2021
	Balance	Percent(1)	Balance	Percent(1)	Balance	Percent(1)
Adjustable/Variable-Rate Indexed:	·					
LIBOR	\$ 3,292	10 %	\$ 3,295	14 %	\$ 5,433	22 %
SOFR	426	1	123	1	118	1
Other	174	1	163	1	16	_
Total	3,892	12	3,581	16	5,567	23
Fixed-Rate:						
Repurchase based (REPO)	14,496	43	3,980	17	3,787	16
Regular Fixed-Rate	9,656	29	9,773	42	9,047	37
Putable (2)	2,342	7	2,467	11	2,657	11
Amortizing/Mortgage Matched	1,464	4	1,533	7	1,872	8
Other	1,800	5	1,620	7	1,227	5
Total	29,758	88	19,373	84	18,590	77
Total Advances Principal	\$ 33,650	100 %	\$ 22,954	100 %	\$ 24,157	100 %
Letters of Credit (notional) (3)	\$ 33,813		\$ 34,637		\$ 33,650	

- (1) As a percentage of total Advances principal.
- (2) Excludes Putable Advances where the related put options have expired or where the Advance is indexed to a variable-rate. These Advances are classified based on their current terms.
- (3) Represents the amount of an off-balance sheet obligation.

Advance principal balances at March 31, 2022 increased 47 percent compared to year-end 2021. The increase in Advances was primarily due to a few large-asset members accessing temporary liquidity because of uncertainties in the financial markets during the first quarter of 2022. Advance balances were considerably lower in 2021 because of the unprecedented amount of liquidity in the financial markets as a result of governmental stimulus actions in response to the COVID-19 pandemic. This factor has continued to impact most members' Advance demand during the first three months of 2022.

Letters of Credit are issued on behalf of members to support certain obligations of members (or members' customers) to third-party beneficiaries. Letters of Credit were elevated throughout 2021 and balances have remained high through the first quarter of 2022 as members continue to primarily use them to secure elevated levels of public unit deposits. Letters of Credit usually expire without being drawn upon.

Advance Usage

In addition to analyzing Advance balances by dollar trends, we monitor the degree to which members use Advances to fund their balance sheets. The following table shows the unweighted, average ratio of each member's Advance balance to its most-recently available figures for total assets.

	March 31, 2022	December 31, 2021	
Average Advances-to-assets for members			
Assets less than \$1.0 billion (493 members)	1.37 %	1.46 %	
Assets over \$1.0 billion (124 members)	1.53	1.50	
All members	1.41	1.47	

The following tables present principal balances for the five members with the largest Advance borrowings. (Dollars in millions)

March 31,	2022			December 31, 2021					
Name		Principal mount of dvances	Percent of Total Principal Amount of Advances	Name	Principal Amount of Advances		Percent of Total Principal Amount of Advances		
U.S. Bank, N.A.	\$	12,272	36 %	U.S. Bank, N.A.		3,272	14 %		
Third Federal Savings and Loan Association		3,553	11	Third Federal Savings and Loan Association		3,179	14		
Nationwide Life Insurance Company		2,748	8	Protective Life Insurance Company		2,800	12		
Keybank National Association		2,101	6	Nationwide Life Insurance Company		2,702	12		
Protective Life Insurance Company		2,000	6	Western-Southern Life Assurance Co.		1,487	6		
Total of Top 5	\$	22,674	67 %	Total of Top 5	\$	13,440	58 %		

We believe that having large financial institutions that actively use our products augments the value of membership to all members. For example, such activity improves our operating efficiency, increases our earnings and thereby contributions to housing and community investment programs. This activity may enable us to obtain more favorable funding costs, and helps us maintain competitively priced products.

Mortgage Loans Held for Portfolio (Mortgage Purchase Program, or MPP)

The table below shows principal purchases and reductions of loans in the MPP for the first three months of 2022. All loans acquired in the first three months of 2022 were conventional loans.

(In millions)	MPP	Principal
Balance at December 31, 2021	\$	7,402
Principal purchases		392
Principal reductions		(415)
Balance at March 31, 2022	\$	7,379

We closely track the refinancing incentives of our mortgage assets (including loans in the MPP and MBS) because the option for homeowners to change their principal payments normally represents the largest portion of our market risk exposure and can affect MPP balances. MPP principal paydowns decreased in the first three months of 2022 to a 17 percent annual constant prepayment rate, compared to the 34 percent rate for all of 2021, driven by the increase in mortgage rates. Purchases of new MPP loans in the first three months of 2022 continued to offer favorable returns.

Overall, MPP yields on existing portfolio balances, relative to their market and credit risks, are expected to continue to generate a profitable long-term return.

Investments

The table below presents the ending and average balances of our investment portfolio.

	Three Months Ended March 31, 2022				Year Ended					
(In millions)					December 31, 2021			021		
	Ending Average Balance Balance		\mathcal{E}		2		_			Average Balance
Liquidity investments	\$ 25,957		\$	23,534	\$	18,589	\$	18,576		
MBS		11,816		11,109		10,803		9,186		
Other investments (1)				356		_		340		
Total investments	\$	37,773	\$	34,999	\$	29,392	\$	28,102		

(1) The average balance includes the rights or obligations to cash collateral, which are included in the fair value of derivative assets or derivative liabilities on the Statements of Condition at period end.

Liquidity investments are either short-term (primarily overnight), or longer-term investments that can be easily sold and converted to cash. Under the regulatory requirements, liquidity includes certain high-quality liquid assets, which are defined as U.S. Treasury obligations with remaining maturities of 10 years or less held as trading securities or available-for-sale securities. It is normal for liquidity investments to vary by up to several billion dollars on a daily basis. Liquidity investment levels can vary significantly based on changes in the amount of actual Advances, anticipated demand for Advances, liquidity needs, the availability of acceptable net spreads, and the number of eligible counterparties that meet our unsecured credit risk criteria. The average balance of liquidity investments for the three months ended March 31, 2022 grew \$5.0 billion (27 percent) from the average balance for all of 2021 because of additional liquidity investments being held in light of the increased Advance demand from a few large-asset members as previously mentioned. Additionally, the ending balance of liquidity investments was elevated at March 31, 2022 as a portion of these Advances matured or prepaid near the end of the first quarter of 2022, and the related funds were temporarily invested in short-term liquidity instruments.

Our overarching strategy for balances of MBS is to keep holdings as close as possible to the regulatory maximum. Finance Agency regulations prohibit us from purchasing MBS if our investment in these securities exceeds three times regulatory capital on the day we intend to purchase the securities. The ratio of MBS to regulatory capital was 2.47 at March 31, 2022. The MBS ratio was lower than our preference to hold it close to the 3.00 regulatory maximum primarily reflecting the rapid increase in regulatory capital as we issued \$1.9 billion of capital stock to members in support of short-term Advance borrowings in the first quarter of 2022.

The balance of MBS at March 31, 2022 consisted of \$10.7 billion of securities issued by Fannie Mae or Freddie Mac (of which \$8.3 billion were floating-rate securities), and \$1.1 billion of securities issued by Ginnie Mae (which are primarily fixed rate).

The table below shows principal purchases and paydowns of our MBS for the first three months of 2022. The majority of the purchases were variable-rate MBS linked to SOFR.

(In millions)	MBS Principa		
Balance at December 31, 2021	\$	10,795	
Principal purchases		1,522	
Principal paydowns		(438)	
Balance at March 31, 2022	\$	11,879	

As mortgage rates rose in the first three months of 2022, MBS principal paydowns decreased to a 15 percent annual constant prepayment rate from the 26 percent rate experienced in all of 2021.

Consolidated Obligations

We fund variable-rate assets with Discount Notes (a portion of which may be swapped), adjustable-rate Bonds, and swapped fixed-rate Bonds because they give us the ability to effectively match the underlying rate reset periods embedded in these assets. The balances and composition of our Consolidated Obligations tend to fluctuate with changes in the balances and composition of our assets. In addition, changes in the amount and composition of our funding may be necessary from time to time to meet the days of positive liquidity and asset/liability maturity funding gap requirements discussed in the "Liquidity Risk" section of "Quantitative and Qualitative Disclosures About Risk Management."

The table below presents the ending and average balances of our participations in Consolidated Obligations.

		Three Mo	ded	Year Ended						
(In millions)		March 31, 2022				December 31, 2021				
	Ending Balance		Average Balance		Ending Balance		Average Balance			
Discount Notes:					<u></u>					
Unswapped	\$	26,596	\$	25,629	\$	19,418	\$	22,933		
Swapped		5,076		11,204		10,426		3,156		
Total par Discount Notes		31,672		36,833	·	29,844		26,089		
Other items (1)		(22)		(15)		(6)		(1)		
Total Discount Notes		31,650	·	36,818		29,838	·	26,088		
Bonds:					<u></u>					
Unswapped fixed-rate		14,325		15,658		16,112		18,840		
Unswapped adjustable-rate (2)		20,615		9,933		850		6,710		
Swapped fixed-rate		5,090		6,352		7,627		2,737		
Total par Bonds		40,030		31,943		24,589		28,287		
Other items (1)		(14)		8		13		24		
Total Bonds		40,016		31,951		24,602		28,311		
Total Consolidated Obligations (3)	\$	71,666	\$	68,769	\$	54,440	\$	54,399		

- (1) Includes unamortized premiums/discounts, fair value option valuation adjustments, hedging and other basis adjustments.
- (2) At March 31, 2022 and December 31, 2021, all unswapped adjustable-rate Bonds were indexed to SOFR.
- (3) The 11 FHLBanks have joint and several liability for the par amount of all of the Consolidated Obligations issued on their behalves. The par amount of the outstanding Consolidated Obligations for all of the FHLBanks was (in millions) \$699,530 and \$652,862 at March 31, 2022 and December 31, 2021, respectively.

The balances of Discount Notes and unswapped adjustable-rate Bonds in the first three months of 2022 were higher compared to the balances at year-end 2021 because of the growth in short-term Advances in the first quarter of 2022 as a few large-asset members sought temporary liquidity given the uncertainties in the financial markets.

The ending balances of unswapped Discount Notes and unswapped adjustable-rate Bonds at March 31, 2022 were higher than year-end 2021 because of the market environment at the end of the first quarter of 2022 favoring unswapped debt. We swap term Discount Notes and fixed-rate bonds to adjustable-rates in order to match the underlying rate reset periods to the assets the Discount Notes and Bonds are funding, as well as to reduce the repricing risk of Discount Notes.

Deposits

Total deposits with us are normally a relatively minor source of low-cost funding. Total interest-bearing deposits at March 31, 2022 were \$1.5 billion, an increase of \$0.1 billion compared to the balance at year-end 2021.

Derivatives Hedging Activity and Liquidity

Our use of derivatives is discussed in the "Effect of the Use of Derivatives on Net Interest Income" and "Non-Interest Income (Loss)" sections in "Results of Operations." Liquidity is discussed in the "Liquidity Risk" section in "Quantitative and Qualitative Disclosures About Risk Management."

Capital Resources

The following tables present capital amounts and capital-to-assets ratios, on both a GAAP and regulatory basis. We consider the regulatory ratio to be a better representation of financial leverage than the GAAP ratio because, although the GAAP ratio treats mandatorily redeemable capital stock as a liability, it protects investors in our debt in the same manner as GAAP capital stock and retained earnings.

	Three Months Ended				Year Ended				
(In millions)	March 31, 2022				December 31, 2021				
	Period End		Average		Period End		Average		
GAAP and Regulatory Capital		<u> </u>							
GAAP Capital Stock	\$	3,000	\$	3,101	\$	2,490	\$	2,585	
Mandatorily Redeemable Capital Stock		529		174		21		19	
Regulatory Capital Stock		3,529		3,275		2,511		2,604	
Retained Earnings		1,297		1,295		1,293		1,304	
Regulatory Capital	\$	4,826	\$	4,570	\$	3,804	\$	3,908	
	Three Months Ended				Year Ended				
	March 31, 2022			December 31, 2021					
	Period	End Average		rage	Period End		Average		
GAAP and Regulatory Capital-to-Assets Ratio									
GAAP	;	5.39 %		5.76 %		6.26 %		6.40 %	
Regulatory (1)	(5.08		5.98		6.28		6.44	

⁽¹⁾ At all times, the FHLB must maintain at least a four percent minimum regulatory capital-to-assets ratio.

Our business model is structured to be able to absorb sharp changes in assets because we can execute commensurate changes in liability and capital stock balances. For example, in the first three months of 2022, we issued \$1.9 billion of capital stock to members in support of short-term Advance borrowings some of which were subsequently repaid prior to March 31, 2022. During the same period, \$1.4 billion of capital stock was reclassified to mandatorily redeemable capital stock of which \$0.9 billion was redeemed.

A portion of our capital stock is excess, meaning it is not required as a condition to being a member and is not currently capitalizing Mission Assets and Activities. Excess capital stock provides a base of capital to manage financial leverage at prudent levels, augments loss protections for bondholders, and may be used to capitalize a portion of growth in Mission Assets and Activities. At March 31, 2022, the amount of excess stock, as defined by our Capital Plan, was \$469 million, similar to the balance at year-end 2021. The balance of excess stock may fluctuate as short-term Advance borrowings can be volatile.

See the "Capital Adequacy" section in "Quantitative and Qualitative Disclosures About Risk Management" for discussion of our retained earnings.

Membership and Stockholders

In the first three months of 2022, we added two new member stockholders and lost three member stockholders, ending the quarter at 617 member stockholders. One of the lost members merged with another Fifth District member and the other two lost members merged out of district.

RESULTS OF OPERATIONS

Components of Earnings and Return on Equity

The following table is a summary income statement for the three months ended March 31, 2022 and 2021. Each ROE percentage is computed by dividing income or expense for the category by the average amount of stockholders' equity for the period.

	Three Months Ended March 31,								
(Dollars in millions)		202	22	2021					
		nount	ROE (1)	Amount		ROE (1)			
Net interest income	\$	81	7.45 %	\$	76	7.96 %			
Non-interest income (loss):									
Net gains (losses) on investment securities		(160)	(14.76)		(139)	(14.56)			
Net gains (losses) on derivatives		97	8.95		97	10.19			
Net gains (losses) on financial instruments held under fair value option		19	1.72		4	0.41			
Other non-interest income, net		7	0.66		6	0.65			
Total non-interest income (loss)		(37)	(3.43)		(32)	(3.31)			
Total income		44	4.02		44	4.65			
Non-interest expense		26	2.36		23	2.47			
Affordable Housing Program assessments		2	0.18		2	0.22			
Net income	\$	16	1.48 %	\$	19	1.96 %			

⁽¹⁾ The ROE amounts have been computed using dollars in thousands. Accordingly, recalculations based upon the disclosed amounts in millions may produce nominally different results.

Details on the individual factors contributing to the level and changes in profitability are explained in the sections below.

Net Interest Income

Components of Net Interest Income

The following table shows selected components of net interest income.

	Three Months Ended March 31,							
(Dollars in millions)	2022			2021				
	Amount		% of Earning Assets	Amount		% of Earning Assets		
Components of net interest rate spread:						_		
Net (amortization)/accretion (1)(2)	\$	(11)	(0.06)%	\$	(28)	(0.19)%		
Prepayment fees on Advances, net (2)		3	0.02		1	0.01		
Other components of net interest rate spread		82	0.44		96	0.62		
Total net interest rate spread		74	0.40		69	0.44		
Earnings from funding assets with interest-free capital		7	0.03		7	0.05		
Total net interest income/net interest margin (3)	\$	81	0.43 %	\$	76	0.49 %		

- (1) Includes monthly recognition of premiums and discounts paid on purchases of mortgage assets, premiums, discounts and concessions paid on Consolidated Obligations and other hedging basis adjustments.
- (2) This component of net interest rate spread has been segregated to display its relative impact.
- (3) Net interest margin is net interest income as a percentage of average total interest-earning assets.

<u>Net Amortization/Accretion (generally referred to as "amortization"):</u> Net amortization can become substantial and volatile with changes in interest rates. When mortgage rates decrease, premium amortization of mortgage assets generally

increases, which reduces net interest income. In the three months ended March 31, 2022, net amortization decreased because of the rise in mortgage rates, which reduced mortgage refinance activity. Net amortization was higher in the first three months of 2021 given the considerable decline in mortgage rates that took place at the end of 2020 and continued into the first quarter of 2021.

<u>Prepayment Fees on Advances:</u> Fees for members' early repayment of certain Advances, which are included in net interest income, are designed to make us economically indifferent to whether members hold Advances to maturity or repay them before maturity. Advance prepayment fees were moderate in the three months ended March 31, 2022. The higher Advance prepayment fees in the three months ended March 31, 2022 reflected prepayments of a portion of the Advances that provided certain large-asset members access to temporary liquidity.

<u>Other Components of Net Interest Rate Spread:</u> The total other components of net interest rate spread decreased \$14 million in the first three months of 2022 compared to the same period of 2021. The net decrease was primarily due to the factors below.

- Lower spreads on shorter-term and floating-rate asset balances-*Unfavorable*: Lower spreads on shorter-term assets and floating-rate assets (including those that have been swapped to a floating rate) lowered net interest income by an estimated \$15 million. However, the decrease in net interest income was mostly offset by lower non-interest losses primarily because of a \$13 million decrease in the net interest settlements being paid on related derivatives not receiving hedge accounting.
- Lower spreads earned on mortgage assets-*Unfavorable*: Lower spreads on the mortgage assets portfolio decreased net interest income by an estimated \$3 million. The lower spreads were driven by the payoff of higher-yielding mortgages at a faster pace than the associated debt funding them.
- Lower unrealized gains on designated fair value hedges-*Unfavorable*: Net unrealized gains on hedged items and derivatives in qualifying fair value hedge relationships were lower by \$3 million.
- Lower average balances of mortgage loans held for portfolio-*Unfavorable*: The \$1.5 billion decrease in the average balance of mortgage loans held for portfolio lowered net interest income by an estimated \$2 million. Mortgage balances declined because of the acceleration of principal cash flows driven by historically low mortgage interest rates in 2021.
- **Higher average Advance balances-***Favorable*: The \$8.8 billion increase in the average balance of Advances improved net interest income by an estimated \$6 million.
- **Higher average balances of investments-***Favorable*: Increases of \$1.7 billion in average MBS and \$4.4 billion in average liquidity investment balances improved net interest income by an estimated \$3 million.

Earnings from Capital: Earnings from capital were \$7 million in the three months ended March 31, 2022, and were flat compared to the same period of 2021.

Average Balance Sheet and Rates

The following table provides average balances and rates for major balance sheet accounts, which determine the changes in net interest rate spreads. Interest amounts and average rates are affected by our use of derivatives and the related accounting elections we make. Interest amounts reported for Advances, MBS, Other investments and Swapped Bonds include gains (losses) on hedged items and derivatives in qualifying fair value hedge relationships.

In addition, the net interest settlements of interest receivables or payables associated with derivatives in a fair value hedge relationship are included in net interest income and interest rate spread. However, if the derivatives do not qualify for fair value hedge accounting, the related net interest settlements of interest receivables or payables are recorded in "Non-interest income (loss)" as "Net gains (losses) on derivatives" and therefore are excluded from the calculation of net interest rate spread. Amortization associated with some hedging-related basis adjustments is also reflected in net interest income, which affects interest rate spread.

(Dollars in millions)				onths E 31, 202		Three Months Ended March 31, 2021				
]	Average Balance	Int	erest	Average Rate (1)		Average Balance	Int	erest	Average Rate (1)
Assets:										
Advances	\$	33,370	\$	48	0.58 %	\$	24,546	\$	43	0.70 %
Mortgage loans held for portfolio (2)		7,642		49	2.58		9,096		44	1.98
Federal funds sold and securities purchased under resale agreements		11,797		4	0.14		8,123		2	0.08
Interest-bearing deposits in banks (3)		735		_	0.10		864		_	0.10
MBS ⁽⁴⁾		11,114		25	0.91		9,421		31	1.32
Other investments (4)		11,336		42	1.50		10,446		58	2.27
Loans to other FHLBanks		_		_			_		_	_
Total interest-earning assets		75,994		168	0.90		62,496		178	1.15
Other assets		405					569			
Total assets	\$	76,399				\$	63,065			
Liabilities and Capital:										
Term deposits	\$	80		_	0.20	\$	109		_	0.34
Other interest bearing deposits (3)		1,630		_	0.03		1,354		_	0.02
Discount Notes		36,818		11	0.12		26,651		5	0.08
Unswapped fixed-rate Bonds		15,670		71	1.82		17,544		88	2.03
Unswapped adjustable-rate Bonds		9,933		3	0.14		11,045		3	0.10
Swapped Bonds		6,348		1	0.08		1,561		6	1.48
Mandatorily redeemable capital stock		175		1	1.92		19		_	2.01
Other borrowings		_								
Total interest-bearing liabilities		70,654		87	0.50		58,283		102	0.71
Non-interest bearing deposits		_					_			
Other liabilities		1,345					914			
Total capital		4,400					3,868			
Total liabilities and capital	\$	76,399				\$	63,065			
Net interest rate spread					0.40 %					0.44 %
Net interest income and net interest margin (5)			\$	81	0.43 %			\$	76	0.49 %
Average interest-earning assets to interest-bearing liabilities					107.56 %					107.23 %

- (1) Amounts used to calculate average rates are based on dollars in thousands. Accordingly, recalculations based upon the disclosed amounts in millions may not produce the same results.
- (2) Non-accrual loans are included in average balances used to determine average rate.
- (3) The average balance amounts include the rights or obligations to cash collateral, which are included in the fair value of derivative assets or derivative liabilities on the Statements of Condition at period end.
- (4) Includes available-for-sale securities based on their amortized costs. The yield information does not give effect to changes in fair value that are reflected as a component of stockholders' equity for available-for-sale securities.
- (5) Net interest margin is net interest income as a percentage of average total interest-earning assets.

Rates and corresponding levels of interest income and expense on certain interest-bearing assets and liabilities decreased in the three months ended March 31, 2022 compared to the same period of 2021 as some longer-term assets and liabilities have not yet repriced to the recent increases in interest rates.

Volume/Rate Analysis

Changes in both average balances (volume) and interest rates influence changes in net interest income, as shown in the following table.

(In millions)		led 2021				
	Volur	ne (1)(3)	Rate (2)	(3)	,	Total
<u>Increase (decrease) in interest income</u>						
Advances	\$	13	\$	(8)	\$	5
Mortgage loans held for portfolio		(8)		13		5
Federal funds sold and securities purchased under resale agreements		1		1		2
Interest-bearing deposits in banks		_		—		_
MBS		5		(11)		(6)
Other investments		5		(21)		(16)
Loans to other FHLBanks		_		—		_
Total	_	16		(26)		(10)
<u>Increase (decrease) in interest expense</u>						
Term deposits		_		—		_
Other interest-bearing deposits		_		_		_
Discount Notes		3		3		6
Unswapped fixed-rate Bonds		(9)		(8)		(17)
Unswapped adjustable-rate Bonds		(1)		1		_
Swapped Bonds		5		(10)		(5)
Mandatorily redeemable capital stock		1		—		1
Other borrowings						
Total		(1)		(14)		(15)
Increase (decrease) in net interest income	\$	17	\$	(12)	\$	5

- (1) Volume changes are calculated as the change in volume multiplied by the prior year rate.
- (2) Rate changes are calculated as the change in rate multiplied by the prior year average balance.
- (3) Changes that are not identifiable as either volume-related or rate-related, but rather are equally attributable to both volume and rate changes, have been allocated to the volume and rate categories based upon the proportion of the absolute value of the volume and rate changes.

Effect of the Use of Derivatives on Net Interest Income

The following table shows the impact on net interest income from the effect of derivatives and hedging activities. As noted above, gains (losses) on hedged items and derivatives in qualifying fair value hedge relationships are recorded in interest income or expense. In addition, for derivatives designated as a fair value hedge, the net interest settlements of interest receivables or payables related to such derivatives are recognized as adjustments to the interest income or expense of the designated hedged item. As such, all the effects on earnings of derivatives qualifying for fair value hedge accounting are reflected in net interest income. The effect on earnings from derivatives not receiving fair value hedge accounting is provided in the "Non-Interest Income (Loss)" section below.

(In millions)	Three Months Ended March 31,						
	2	022	2021				
Advances:							
Gains (losses) on designated fair value hedges	\$	2 \$	4				
Net interest settlements included in net interest income		(22)	(33)				
Investment securities:							
Gains (losses) on designated fair value hedges			1				
Net interest settlements included in net interest income		(13)	(1)				
Mortgage loans:							
Amortization of derivative fair value adjustments in net interest income		(1)	(4)				
Increase (decrease) to net interest income	\$	(34) \$	(33)				

Most of our use of derivatives is to synthetically convert the fixed interest rates on certain Advances, investments and Consolidated Obligations to adjustable rates tied to an eligible benchmark rate (e.g., LIBOR, the Federal funds effective rate, or SOFR). In the first three months of 2022 and 2021, the low short-term benchmark interest rates resulted in net interest settlements being paid on certain Advances and investments where the fixed interest rates were converted to adjustable-coupon rates. The slightly larger negative effect of derivatives on net interest income in the three months ended March 31, 2022 was primarily due to the increased usage of fair value hedge accounting for certain investment securities. The fluctuation in earnings from the use of derivatives was acceptable because it enabled us to lower market risk exposure by matching actual cash flows between assets and liabilities more closely and efficiently than would otherwise occur.

Non-Interest Income (Loss)

Non-interest income (loss) consists of certain realized and unrealized gains (losses) on investment securities, derivatives activities, financial instruments held under the fair value option, and other non-interest earning activities. The following tables present the net effect of derivatives and hedging activities on non-interest income (loss). The effects of derivatives and hedging activities on non-interest income (loss) relate only to derivatives not qualifying for fair value hedge accounting.

(In millions)	Advanc	es	estment curities	N	Aortgage Loans		Bonds	Discount Notes	alance heet ⁽¹⁾	О	ther		Total
Three Months Ended March 31, 2022													
Net effect of derivatives and hedging activities													
Gains (losses) on derivatives not receiving hedge accounting	\$	1	\$ 146	\$	(6)	\$	(5)	\$ (9)	\$ 1	\$	_	\$	128
Net interest settlements on derivatives no receiving hedge accounting	t -	_	(32)		_		_	1			_		(31)
Price alignment amount	-	_	_		_		_				—		_
Net gains (losses) on derivatives		1	114		(6)		(5)	(8)	1				97
Gains (losses) on trading securities (2)			(160)					 	 				(160)
Gains (losses) on financial instruments held under fair value option (3)		(1)	_		_		11	9	_		_		19
Total net effect on non-interest income	\$ -		\$ (46)	\$	(6)	\$	6	\$ 1	\$ 1	\$	_	\$	(44)
Three Months Ended March 31, 2021													
Net effect of derivatives and hedging activities													
Gains (losses) on derivatives not receiving hedge accounting	\$	1	\$ 143	\$	(3)	\$	(4)	\$ _	\$ 4	\$	_	\$	141
Net interest settlements on derivatives no receiving hedge accounting	t -	_	(48)		_		4	_			_		(44)
Net gains (losses) on derivatives	-	1	 95	_	(3)		<u>_</u>	 	 4			_	97
Gains (losses) on trading securities (2)			 (139)	_		_		 				_	(139)
Gains (losses) on financial instruments			()										()
held under fair value option (3)		(1)	 				5		 				4
Total net effect on non-interest income	\$ -	_	\$ (44)	\$	(3)	\$	5	\$ 	\$ 4	\$	_	\$	(38)

- (1) Balance sheet includes synthetic basis swaps and swaptions, which are not designated as hedging a specific financial instrument.
- (2) Includes only those gains (losses) on trading securities that have an assigned economic derivative; therefore, this line item may not agree to the Statement of Income.
- (3) Includes only those gains or losses on financial instruments held at fair value that have an economic derivative "assigned."

The primary driver of the net losses on derivatives and hedging activities in both periods was the net interest settlements being paid on investments where the fixed interest rates were converted to adjustable-coupon rates. The effect of derivatives and hedging activities was more unfavorable in the first three months of 2022 primarily because of higher unrealized losses on investments we expect to hold to maturity and higher losses on commitments to purchase mortgages given the rise in mortgage rates. As noted above, the fluctuation in earnings from the use of derivatives was acceptable because it enabled us to lower market risk exposure.

In the table above, "Gains (losses) on trading securities" consist of fixed-rate U.S. Treasury and GSE obligations that have been swapped to a variable rate. Trading securities are recorded at fair value, with changes in fair value reported in non-interest income (loss). There are a number of factors that affect the fair value of these securities, including changes in interest rates, the passage of time, and volatility. By hedging these trading securities, the gains or losses on these trading securities will generally be offset by the gains or losses on the associated interest rate swaps.

Non-Interest Expense

The following table presents non-interest expense.

	Three Months Ended March 31,							
(In millions)	2022			2021				
Non-interest expense								
Compensation and benefits	\$	14	\$	13				
Other operating expense		6		6				
Finance Agency		2		2				
Office of Finance		2		1				
Other		2		1				
Total non-interest expense	\$	26	\$	23				

Our business is designed to support significant changes in asset levels without having to undergo material changes in staffing, operations, risk practices, or general resource needs. Accordingly, the components of non-interest expense did not change materially in the first three months of 2022 compared to the same period of 2021.

Segment Information

Note 11 of the Notes to Unaudited Financial Statements presents information on our two operating business segments. We manage financial operations and market risk exposure primarily at the macro level, and within the context of the entire balance sheet, rather than exclusively at the level of individual segments. Under this approach, the market risk/return profile of each segment may not match, or possibly even have the same trends as, what would occur if we managed each segment on a stand-alone basis. The tables below summarize each segment's operating results for the periods shown.

(Dollars in millions)	aditional ber Finance	MPP		Total
Three Months Ended March 31, 2022				
Net interest income (loss)	\$ 77	\$ 4	\$	81
Net income (loss)	\$ 20	\$ (4)	\$	16
Average assets	\$ 66,030	\$ 10,369	\$	76,399
Assumed average capital allocation	\$ 3,803	\$ 597	\$	4,400
Return on average assets (1)	0.12 %	(0.16)%		0.09 %
Return on average equity (1)	2.15 %	(2.76)%		1.48 %
Three Months Ended March 31, 2021			-	
Net interest income (loss)	\$ 87	\$ (11)	\$	76
Net income (loss)	\$ 32	\$ (13)	\$	19
Average assets	\$ 51,265	\$ 11,800	\$	63,065
Assumed average capital allocation	\$ 3,144	\$ 724	\$	3,868
Return on average assets (1)	0.25 %	(0.46)%		0.12 %
Return on average equity (1)	4.14 %	(7.48)%		1.96 %

⁽¹⁾ Amounts used to calculate returns are based on numbers in thousands. Accordingly, recalculations based upon the disclosed amounts in millions may not produce the same results.

Traditional Member Finance Segment

Net income decreased in the first three months of 2022 compared to the same period of 2021 primarily because of unrealized losses on certain derivatives and other financial instruments carried at fair value. This negative factor was partially offset by higher net interest income given the increases in average balances of Advances and investments in the first quarter of 2022.

MPP Segment

The MPP segment experienced net losses in the first three months of 2022 and 2021. Results in the first three months of 2022 improved compared to the same period of 2021 because of lower net amortization, as refinancing activity fell given the rise in mortgage rates. However, the lower net amortization in the first quarter of 2022 was partially offset by losses on derivatives.

QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT RISK MANAGEMENT

Market Risk

Market Value of Equity and Duration of Equity - Entire Balance Sheet

Two key measures of long-term market risk exposure are the sensitivities of the market value of equity and the duration of equity to changes in interest rates and other variables, as presented in the following tables for various instantaneous and permanent interest rate shocks (in basis points). We compiled average results using data for each month end. Given the current level of rates, some down rate shocks are nonparallel scenarios, with short-term rates decreasing less than long-term rates such that no rate falls below zero.

<u>Market Value of Equity</u>												
(Dollars in millions)	D	own 300	D	own 200	Г	Oown 100	F	lat Rates		Up 100	Up 200	Up 300
Average Results												
2022 Year-to-Date												
Market Value of Equity	\$	4,911	\$	4,861	\$	4,753	\$	4,699	\$	4,592	\$ 4,473	\$ 4,390
% Change from Flat Case		4.5 %		3.4 %		1.1 %		_		(2.3)%	(4.8)%	(6.6)%
<u> 2021 Full Year</u>												
Market Value of Equity	\$	3,916	\$	3,920	\$	3,921	\$	3,942	\$	3,878	\$ 3,771	\$ 3,705
% Change from Flat Case		(0.6)%		(0.6)%		(0.5)%		_		(1.6)%	(4.3)%	(6.0)%
Month-End Results												
<u>March 31, 2022</u>												
Market Value of Equity	\$	4,998	\$	4,852	\$	4,798	\$	4,740	\$	4,650	\$ 4,554	\$ 4,465
% Change from Flat Case		5.4 %		2.4 %		1.2 %		_		(1.9)%	(3.9)%	(5.8)%
<u>December 31, 2021</u>												
Market Value of Equity	\$	3,977	\$	3,977	\$	3,865	\$	3,858	\$	3,767	\$ 3,628	\$ 3,525
% Change from Flat Case		3.1 %		3.1 %		0.2 %		_		(2.4)%	(6.0)%	(8.6)%
<u>Duration of Equity</u>												
(In years)		Down 30	0	Down 20	0	Down 100)	Flat Rates	S	Up 100	Up 200	Up 300
Average Results												
2022 Year-to-Date		1.	.0	2.	.6	0.6	5	1.	7	2.7	2.3	1.7
2021 Full Year		(0.	1)	(0.	2)	(0.6	<u>(</u>	1.	0	2.6	2.5	1.0
Month-End Results												
March 31, 2022		3.	.0	2.	.3	0.8	3	1.	6	2.2	2.0	2.0
December 31, 2021		-	_	0.	.7	2.0)	1.	4	3.4	3.6	2.1

The overall market risk exposure to changing interest rates was well within policy limits during the periods presented. At March 31, 2022, market risk exposure to falling rate shocks benefited from the rapid increase in mortgage interest rates in the first quarter of 2022 while exposure to rising rates remained stable. The duration of equity, which provides an estimate of the change in market value of equity to further changes in interest rates, remained well within policy limits.

Based on the totality of our risk analysis, we expect that profitability, defined as the level of ROE compared with short-term market rates, will be competitive over the long term unless interest rates increase further by large amounts in a short period of time. Substantial declines in long-term interest rates could decrease income temporarily before reverting to average levels. This temporary reduction in income would be driven by additional recognition of mortgage asset premiums as the further incentive for borrowers to refinance results in faster than anticipated repayments of those mortgage assets.

Market Risk Exposure of the Mortgage Assets Portfolio

The mortgage assets portfolio normally accounts for almost all market risk exposure because of prepayment volatility that we cannot completely hedge while maintaining sufficient net spreads. Sensitivities of the market value of equity allocated to the mortgage assets portfolio under interest rate shocks (in basis points) are shown below. The average mortgage assets portfolio had an assumed capital allocation of \$1.1 billion in the first three months of 2022 based on the entire balance sheet's average regulatory capital-to-assets ratio. Average results shown in the table below are compiled using data for each month end. The market value sensitivities are one measure we use to analyze the portfolio's estimated market risk exposure.

% Change in Market Value of Equity-Mortgage Assets Portfolio

	Down 300	Down 200	Down 100	Flat Rates	Up 100	Up 200	Up 300
Average Results							
2022 Year-to-Date	(0.7)%	(0.8)%	1.2 %	_	(5.1)%	(11.1)%	(14.9)%
2021 Full Year	(11.2)%	(10.7)%	(5.9)%	_	(1.4)%	(5.8)%	(7.7)%
Month-End Results							_
March 31, 2022	1.4 %	0.9 %	1.6 %	_	(4.0)%	(8.3)%	(12.4)%
December 31, 2021	(4.8)%	(4.8)%	(2.8)%	_	(3.4)%	(9.9)%	(14.4)%

The average risk exposure of the mortgage assets portfolio in the first three months of 2022 remained aligned with our preference to keep our exposure to market risk at a moderate level. The variances between periods primarily reflect the impact of higher long-term interest rates observed in the first three months of 2022 combined with the shift in composition of the mortgage asset portfolio, which was accelerated by rapid repayments of mortgage assets throughout 2021. We believe the mortgage asset portfolio will continue to provide an acceptable risk-adjusted return consistent with our risk appetite philosophy.

Capital Adequacy

Retained Earnings

We must hold sufficient capital to protect against exposure to various risks, including market, credit, and operational risks. We regularly conduct a variety of measurements and assessments for capital adequacy. At March 31, 2022, our capital management policy set forth approximately \$370 million as the minimum amount of retained earnings we believe is necessary to mitigate impairment risk.

The following table presents retained earnings.

(In millions)	March 31, 2022			nber 31, 2021
Unrestricted retained earnings	\$	784	\$	783
Restricted retained earnings (1)		513		510
Total retained earnings	\$	1,297	\$	1,293

(1) Pursuant to the FHLBank System's Joint Capital Enhancement Agreement we are not permitted to distribute as dividends.

As indicated in the table above, our current balance of retained earnings exceeds the policy minimum, which we expect will continue to be the case as we bolster capital adequacy over time by allocating a portion of earnings to the restricted retained earnings account.

Market Capitalization Ratios

We measure two sets of market capitalization ratios. One measures the market value of equity (i.e., total capital) relative to the par value of regulatory capital stock (which is GAAP capital stock and mandatorily redeemable capital stock). The other measures the market value of total capital relative to the book value of total capital, which includes all components of capital, and mandatorily redeemable capital stock. The measures provide a point-in-time indication of the FHLB's liquidation or franchise value and can also serve as a measure of realized or potential market risk exposure.

The following table presents the market value of equity to regulatory capital stock (excluding retained earnings) for several interest rate environments.

	March 31, 2022	December 31, 2021
Market Value of Equity to Par Value of Regulatory Capital Stock - Base Case (Flat Rates) Scenario	134 %	154 %
Market Value of Equity to Par Value of Regulatory Capital Stock - Down Shock (1)	136	154
Market Value of Equity to Par Value of Regulatory Capital Stock - Up Shock (2)	129	145

- (1) Represents down shocks of 150 basis points and 100 basis points for March 31, 2022 and December 31, 2021, respectively.
- (2) Represents an up shock of 200 basis points.

A base case value below 100 percent could indicate that, in the remote event of an immediate liquidation scenario involving redemption of all capital stock, capital stock may be returned to stockholders at a value below par. This could be due to experiencing risks that lower the market value of capital and/or to having an insufficient amount of retained earnings. In the first three months of 2022, the market capitalization ratios in the scenarios presented continued to be above our policy requirements, declining modestly in the first quarter driven by rapid capital growth to support Advance demand. The base case ratio at March 31, 2022 was still well above 100 percent because retained earnings were 37 percent of regulatory capital stock and we maintained stable market risk exposure.

The following table presents the market value of equity to the book value of total capital and mandatorily redeemable capital stock.

	March 31, 2022	December 31, 2021
Market Value of Equity to Book Value of Capital - Base Case (Flat Rates)	_	
Scenario (1)	99 %	101 %
Market Value of Equity to Book Value of Capital - Down Shock (1)(2)	100	101
Market Value of Equity to Book Value of Capital - Up Shock (1)(3)	95	95

- (1) Capital includes total capital and mandatorily redeemable capital stock.
- (2) Represents down shocks of 150 basis points and 100 basis points for March 31, 2022 and December 31, 2021, respectively.
- (3) Represents an up shock of 200 basis points.

A base-case value below 100 percent indicates that we have realized or could realize risks (especially market risk), such that the market value of total capital owned by stockholders is below the book value of total capital. The base-case ratio of 99 percent at March 31, 2022 indicates that the market value of total capital is \$62 million below the book value of total capital. In a scenario in which interest rates increase 200 basis points, the market value of total capital would be \$248 million below the book value of total capital. This indicates that in a liquidation scenario, stockholders would not receive the full sum of their total equity ownership in the FHLB. We believe the likelihood of a liquidation scenario is extremely remote; and therefore, we accept the risk of diluting equity ownership in such a scenario. Both ratios remained stable relative to the prior period as they are unaffected by large swings in capital stock balances.

Credit Risk

Overview

We believe our risk management practices, discussed below, minimize residual credit risk levels. We have no loan loss reserves or impairment recorded for Credit Services, investments and derivatives. We have a minimal amount of legacy credit risk exposure in the MPP.

Credit Services

<u>Overview:</u> We have policies and practices to manage credit risk exposure from our secured lending activities, which include Advances and Letters of Credit. The objective of our credit risk management activities is to equalize risk exposure across members and counterparties to a zero level of expected losses. This approach is consistent with our conservative risk management principles and desire to have no residual credit risk related to Advances and Letters of Credit.

<u>Collateral:</u> We require each member to provide a security interest in eligible collateral before it can undertake any secured borrowing. Eligible loan collateral types include the following: single- and multi-family residential, home equity, commercial real estate, government guaranteed and farm real estate. Eligible security types include those that are government or agency

backed, along with highly-rated private-label residential and commercial mortgage-backed securities. We have conservative eligibility criteria within each of the above asset types. The estimated value of pledged collateral is discounted in order to offset market, credit, and liquidity risks that may affect the collateral's realizable value in the event it must be liquidated. At March 31, 2022, total collateral pledged of \$418.0 billion resulted in total borrowing capacity of \$341.3 billion of which \$67.5 billion was used to support outstanding Advances and Letters of Credit. Borrowers often pledge collateral in excess of their collateral requirement to demonstrate access to liquidity and to have the ability to borrow additional amounts in the future. Over-collateralization by one member is not applied to another member.

Borrowing Capacity/Lendable Value: Lendable Value Rates (LVRs) represent the percent of collateral value net of the discount, or haircut, we apply for purposes of determining borrowing capacity. LVRs are determined by statistical analysis and management assumptions relating to historical price volatility, inherent credit risks, liquidation costs, and the current credit and economic environment. We apply LVR results to the estimated values of pledged assets. LVRs vary among pledged assets and members based on the member institution type, the financial strength of the member institution, the form of valuation, lien position, the issuer of bond collateral or the quality of securitized assets, the quality of the loan collateral as reflected in the manner in which it was underwritten, and the marketability of the pledged assets.

<u>Internal Credit Ratings:</u> We perform credit underwriting of our members and nonmember institutions and assign them an internal credit rating. These credit ratings are based on internal and third-party ratings models, credit analyses and consideration of credit ratings from independent credit rating organizations. Credit ratings are used in conjunction with other measures of credit risk in managing secured credit risk exposure.

Member Failures, Closures, and Receiverships: There have been no member failures in 2022 through the date of this filing.

MPP

<u>Overview:</u> The residual amount of credit risk exposure to loans in the MPP is minimal, based on the same factors described in the 2021 Annual Report on Form 10-K. We believe, based on our analysis, that future credit losses will not harm capital adequacy and will not significantly affect profitability except under the most extreme and unlikely credit conditions.

Conventional Loan Portfolio Characteristics: The levels of loan-to-value ratios are consistent with the portfolio's excellent credit quality. At March 31, 2022, the weighted average loan-to-value ratios for conventional loans based on origination values and estimated current values were 72 percent and 49 percent, respectively. The estimated weighted average current loan-to-value ratio was the same as the ratio at December 31, 2021 as home values have remained stable.

<u>Credit Performance:</u> The table below provides an analysis of conventional loans delinquent or in the process of foreclosure, along with the national average serious delinquency rate.

	Conventional Loan Delinquencies								
(Dollars in millions)	Marc	h 31, 2022	December 31, 2021						
Early stage delinquencies - unpaid principal balance (1)	\$	40	\$	33					
Serious delinquencies - unpaid principal balance (2)	\$	19	\$	24					
Early stage delinquency rate (3)		0.6 %		0.5 %					
Serious delinquency rate (4)		0.3 %		0.3 %					
National average serious delinquency rate (5)		2.0 %		2.3 %					

- (1) Includes conventional loans 30 to 89 days delinquent and not in foreclosure.
- (2) Includes conventional loans that are 90 days or more past due or where the decision of foreclosure or a similar alternative such as pursuit of deed-in-lieu has been reported.
- (3) Early stage delinquencies expressed as a percentage of the total conventional loan portfolio.
- (4) Serious delinquencies expressed as a percentage of the total conventional loan portfolio.
- (5) National average number of fixed-rate prime and subprime conventional loans that are 90 days or more past due or in the process of foreclosure is based on the most recent national delinquency data available. The March 31, 2022 rate is based on December 31, 2021 data.

Overall, the MPP has experienced a minimal amount of delinquencies, with delinquency rates continuing to be well below national averages. This further supports our view that the portfolio is comprised of high-quality, well-performing loans.

<u>Credit Enhancements:</u> Conventional mortgage loans are supported against credit losses by various combinations of primary mortgage insurance (PMI), supplemental mortgage insurance (SMI) (for loans purchased before February 2011), and the Lender Risk Account (LRA). The LRA is a hold back of a portion of the initial purchase price to cover expected credit losses

for a specific pool of loans. Starting after five years from the loan purchase date, we may return the hold back to Participating Financial Institutions (PFIs) if they manage credit risk to predefined acceptable levels of exposure on the loan pools they sell to us. As a result, some pools of loans may have sufficient credit enhancements to recapture all losses while other pools of loans may not. The LRA had balances of \$254 million and \$252 million at March 31, 2022 and December 31, 2021, respectively. For more information, see Note 5 of the Notes to Unaudited Financial Statements.

<u>Credit Losses:</u> Residual credit risk exposure depends on the actual and potential credit performance of the loans in each pool compared to the pool's equity (on individual loans) and credit enhancements, including PMI, the LRA, and SMI. Our available credit enhancements at March 31, 2022 were ample and able to cover nearly all of the estimated gross credit losses. As a result, estimated credit losses at March 31, 2022 were less than \$1 million. Estimated credit losses, after credit enhancements, are accounted for in the allowance for credit losses or as a charge off (i.e., a reduction to the principal of mortgage loans held for portfolio). In addition, we have assessed that we do not have any credit risk exposure to our PMI providers, and our estimation of credit exposure to SMI providers was not material at March 31, 2022 or December 31, 2021.

Separate from our allowance for credit losses analysis, we regularly analyze potential adverse scenarios of lifetime credit risk exposure for the loans in the MPP. Even under adverse macroeconomic scenarios, we expect credit losses to remain minimal.

Investments

Liquidity Investments: We purchase liquidity investments from counterparties that have a strong ability to repay principal and interest. These investments can be easily converted to cash and may be unsecured, guaranteed or supported by the U.S. government, or secured (i.e., collateralized). For unsecured liquidity investments, we invest in the debt securities of highly rated, investment-grade institutions, have appropriate and conservative limits on dollar and maturity exposure to each institution, and have strong credit underwriting practices, including active monitoring of credit quality of our counterparties and of the environment in which they operate. In addition, we believe the portion of our liquidity investments for which the investments are secured with collateral (secured resale agreements) present no credit risk exposure to us.

The following table presents the carrying value of liquidity investments outstanding in relation to the counterparties' lowest long-term credit ratings provided by Standard & Poor's, Moody's, and/or Fitch Advisory Services. For resale agreements, the ratings shown are based on ratings of the associated collateral. Our internal ratings of these investments may differ from those obtained from Standard & Poor's, Moody's, and/or Fitch Advisory Services. The historical or current ratings displayed in this table should not be taken as an indication of future ratings.

(In millions)	March 31, 2022 Long-Term Rating					
				Long-Term Rating		
		AA	A		Total	
<u>Unsecured Liquidity Investments</u>						
Interest-bearing deposits	\$	_	\$	435	\$	435
Federal funds sold		1,514		6,545		8,059
Total unsecured liquidity investments		1,514		6,980		8,494
Guaranteed/Secured Liquidity Investments						
Securities purchased under agreements to resell		5,775		250		6,025
U.S. Treasury obligations		9,673		_		9,673
GSE obligations		1,765				1,765
Total guaranteed/secured liquidity investments		17,213		250		17,463
Total liquidity investments	\$	18,727	\$	7,230	\$	25,957
			Decem	ber 31, 202	1	
			Long-	Term Rating	5	
		AA		A		Total
<u>Unsecured Liquidity Investments</u>					_	
Interest-bearing deposits	\$	_	\$	340	\$	340
Federal funds sold		975		4,530		5,505
Total unsecured liquidity investments		975		4,870		5,845
Guaranteed/Secured Liquidity Investments						
Securities purchased under agreements to resell		1,282		_		1,282
U.S. Treasury obligations		9,577		_		9,577
GSE obligations		1 005				1 005
GDL CONSTITUTION		1,885				1,885
Total guaranteed/secured liquidity investments		12,744				12,744

The following table presents the lowest long-term credit ratings provided by Standard & Poor's, Moody's, and/or Fitch Advisory Services of our unsecured investment credit exposure by the domicile of the counterparty or the domicile of the counterparty's immediate parent for U.S. branches and agency offices of foreign commercial banks. Our internal ratings of these investments may differ from those obtained from Standard & Poor's, Moody's, and/or Fitch Advisory Services. The historical or current ratings displayed in this table should not be taken as an indication of future ratings.

(In millions)	March 31, 2022					
	Counterparty Rating					
Domicile of Counterparty	AA A			Total		
Domestic	\$	_	\$	435	\$	435
U.S. branches and agency offices of foreign commercial banks:						
Canada		1,360		2,075		3,435
Australia		_		1,360		1,360
Netherlands		_		875		875
Sweden		_		875		875
Germany		_		780		780
Belgium		_		290		290
France		_		290		290
Finland		154				154
Total U.S. branches and agency offices of foreign commercial banks		1,514		6,545		8,059
Total unsecured investment credit exposure	\$	1,514	\$	6,980	\$	8,494

The following table presents the remaining contractual maturity of our unsecured investment credit exposure by the domicile of the counterparty or the domicile of the counterparty's immediate parent for U.S. branches and agency offices of foreign commercial banks.

(In millions)	March 31, 2022		22	
Domicile of Counterparty	Overnight		Total	
Domestic	\$	435	\$	435
U.S. branches and agency offices of foreign commercial banks:				
Canada		3,435		3,435
Australia		1,360		1,360
Netherlands		875		875
Sweden		875		875
Germany		780		780
Belgium		290		290
France		290		290
Finland		154		154
Total U.S. branches and agency offices of foreign commercial banks		8,059		8,059
Total unsecured investment credit exposure	\$	8,494	\$	8,494

We are prohibited by Finance Agency regulation from investing in financial instruments issued by non-U.S. entities. Furthermore, we restrict a significant portion of unsecured lending to overnight maturities, which further limits credit risk exposure.

MBS:

GSE MBS

At March 31, 2022, \$10.7 billion of MBS held were GSE securities issued by Fannie Mae and Freddie Mac, which provide credit safeguards by guaranteeing either timely or ultimate payments of principal and interest. We believe that the conservatorships of Fannie Mae and Freddie Mac lower the chance that they would not be able to fulfill their credit guarantees. In addition, based on the data available to us and our purchase practices, we believe that most of the mortgage loans backing our GSE MBS are of high quality with acceptable credit performance.

MBS Issued by Other Government Agencies

We also invest in MBS issued and guaranteed by Ginnie Mae. These investments totaled \$1.1 billion at March 31, 2022. We believe that the strength of Ginnie Mae's guarantee and backing by the full faith and credit of the U.S. government is sufficient to protect us against credit losses on these securities.

Derivatives

<u>Credit Risk Exposure:</u> We mitigate most of the credit risk exposure resulting from derivative transactions through collateralization or use of daily settled contracts. The table below presents the lowest long-term counterparty credit ratings provided by Standard & Poor's, Moody's, and/or Fitch Advisory Services for derivative positions to which we had credit risk exposure at March 31, 2022. The historical or current ratings displayed in this table should not be taken as an indication of future ratings.

(In millions)

	N	Total Iotional	Net Derivatives Fair Value Before Collateral		Cash Collateral Pledged to (from) Counterparties		Net Credit Exposure to Counterparties	
Nonmember counterparties:								
Asset positions with credit exposure:								
Cleared derivatives (1)	\$	652	\$	_	\$	3	\$	3
<u>Liability positions with credit exposure:</u>								
Uncleared derivatives:								
A-rated		721		(1)		2		1
BBB-rated		2,517		(33)		33		
Total uncleared derivatives		3,238		(34)		35		1
Cleared derivatives (1)		26,616		(10)		324		314
Total derivative positions with credit exposure to nonmember counterparties		30,506		(44)		362		318
Member institutions (2)		3		_		_		_
Total	\$	30,509	\$	(44)	\$	362	\$	318

- (1) Represents derivative transactions cleared with LCH Ltd. and CME Clearing, the FHLB's clearinghouses. LCH Ltd. is rated AA- by Standard & Poor's, and CME Clearing is not rated, but its parent company, CME Group Inc., is rated Aa3 by Moody's and AA- by Standard & Poor's.
- (2) Represents Mandatory Delivery Contracts.

Our exposure to cleared derivatives is primarily associated with the requirement to post initial margin through the clearing agent to the Derivatives Clearing Organizations. We pledge cash as collateral to satisfy this initial margin requirement. However, the use of cleared derivatives mitigates credit risk exposure because a central counterparty is substituted for individual counterparties.

At March 31, 2022, the net exposure of uncleared derivatives with residual credit risk exposure was \$1 million. If interest rates rise or the composition of our derivatives change resulting in an increase to our gross exposure to uncleared derivatives, the contractual collateral provisions in these derivatives would limit our net exposure to acceptable levels.

Although we cannot predict if we will realize credit risk losses from any of our derivatives counterparties, we believe that all of the counterparties will be able to continue making timely interest payments and, more generally, to continue to satisfy the terms and conditions of their derivative contracts with us.

Liquidity Risk

Liquidity Overview

We strive to be in a liquidity position at all times to meet the borrowing needs of our members and to meet all current and future financial commitments. This objective is achieved by managing liquidity positions to maintain stable, reliable, and cost-effective sources of funds while taking into account market conditions, member demand, and the maturity profile of assets and liabilities. Our liquidity position complies with the FHLBank Act, Finance Agency regulations, and internal policies.

The FHLBank System's primary source of funds is the sale of Consolidated Obligations in the capital markets. Our ability to obtain funds through the sale of Consolidated Obligations at acceptable interest costs depends on the financial market's perception of the riskiness of the Obligations and on prevailing conditions in the capital markets, particularly the short-term capital markets. The System's favorable debt ratings, the implicit U.S. government backing of our debt, and our effective risk management practices are instrumental in ensuring stable and satisfactory access to the capital markets.

We believe our liquidity position, as well as that of the System, continued to be strong during the first three months of 2022. Our overall ability to effectively fund our operations through debt issuances remained sufficient. Investor demand for System debt was robust in the first three months of 2022, as investors continued to prefer short-term, high-quality money market instruments. We believe the possibility of a liquidity or funding crisis in the System that would impair our ability to participate, on a cost-effective basis, in issuances of debt, service outstanding debt, maintain adequate capitalization, or pay competitive dividends is remote.

The System works collectively to manage and monitor the System-wide liquidity and funding risks. Liquidity risk includes the risk that the System could have difficulty rolling over short-term Obligations when market conditions change, also called refinancing risk. The System has a large reliance on short-term funding; therefore, it has a sharp focus on managing liquidity risk to very low levels. As shown on the unaudited Statements of Cash Flows, in the first three months of 2022, our portion of the System's debt issuances totaled \$69.6 billion for Discount Notes and \$22.0 billion for Bonds. Access to short-term debt markets has been reliable because investors, driven by liquidity preferences and risk aversion, have sought the System's short-term debt, which has resulted in strong demand for debt maturing in one year or less.

See the Notes to Unaudited Financial Statements for more detailed information regarding maturities of certain financial assets and liabilities which are instrumental in determining the amount of liquidity risk. In addition to contractual maturities, other assumptions regarding cash flows such as estimated prepayments, embedded call optionality, and scheduled amortization are considered when managing liquidity risks.

Liquidity Management and Regulatory Requirements

We manage liquidity risk by ensuring compliance with our regulatory liquidity requirements and regularly monitoring other metrics.

The Finance Agency establishes the expectations with respect to the maintenance of sufficient liquidity without access to the capital markets for a specified number of days, which was set as a period of between 10 to 30 calendar days in the base case. Under these expectations, all Advance maturities are assumed to renew, unless the Advances relate to former members who are ineligible to borrow new Advances. The maintenance of sufficient liquidity is intended to provide additional assurance that we can continue to provide Advances and Letters of Credit to members over an extended period without access to the capital markets. As of March 31, 2022, our days of positive daily cash balances were within these expectations.

The Finance Agency also provides guidance related to asset/liability maturity funding gap limits. Funding gap metrics measure the difference between assets and liabilities that are scheduled to mature during a specified period of time and are expressed as a percentage of total assets. Although subject to change depending on conditions in the financial markets, the current regulatory requirement for funding gaps is between -10 percent to -20 percent for the three-month maturity horizon and is between -25 percent to -35 percent for the one-year maturity horizon. As of March 31, 2022, we were operating within those limits.

To support our member deposits, we also must meet a statutory deposit reserve requirement. The sum of our investments in obligations of the United States, deposits in eligible banks or trust companies, and Advances with a final maturity not exceeding five years must equal or exceed the current amount of member deposits. The following table presents the components of this liquidity requirement.

(In millions)	March 31, 2022			December 31, 2021		
Deposit Reserve Requirement				_		
Total Eligible Deposit Reserves	\$	48,917	\$	35,230		
Total Member Deposits		(1,510)		(1,416)		
Excess Deposit Reserves	\$	47,407	\$	33,814		

Member Concentration Risk

We regularly assess concentration risks from business activity. We believe that the concentration of Advance activity is consistent with our risk management philosophy, and the impact of borrower concentration on market risk, credit risk, and operational risk, after considering mitigating controls, is minimal.

Operational Risks

There were no material developments regarding our operational risk exposure during the first three months of 2022.

CRITICAL ACCOUNTING POLICIES AND ESTIMATES

There have been no material changes in the first three months of 2022 to our critical accounting policies and estimates. Our critical accounting policies and estimates are described in detail in our 2021 Annual Report on Form 10-K.

Item 3. Quantitative and Qualitative Disclosures About Market Risk.

Information required by this Item is set forth under the caption "Quantitative and Qualitative Disclosures About Risk Management" in Part I, Item 2, of this Report.

Item 4. Controls and Procedures.

DISCLOSURE CONTROLS AND PROCEDURES

The FHLB's management, including its principal executive officer and principal financial officer, evaluate the effectiveness of the FHLB's disclosure controls and procedures as defined in Rule 13a-15(e) under the Securities Exchange Act of 1934 (the "Exchange Act"). Based upon that evaluation, these two officers each concluded that, as of March 31, 2022, the FHLB maintained effective disclosure controls and procedures designed to ensure that information required to be disclosed in the reports that it files under the Exchange Act is (1) accumulated and communicated to management as appropriate to allow timely decisions regarding disclosure and (2) recorded, processed, summarized and reported within the time periods specified in the rules and forms of the Securities and Exchange Commission.

CHANGES IN INTERNAL CONTROL OVER FINANCIAL REPORTING

The FHLB's management, including its principal executive officer and principal financial officer, evaluate the FHLB's internal control over financial reporting. Based upon that evaluation, these two officers each concluded that there were no changes in the FHLB's internal control over financial reporting that occurred during the quarter ended March 31, 2022 that materially affected, or are reasonably likely to materially affect, the FHLB's internal control over financial reporting.

PART II - OTHER INFORMATION

Item 1. Legal Procee	edings.
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Information regarding legal proceedings is set forth in Note 13 - Commitments and Contingencies in Part I, Item 1, of this Report.

Item 1A. Risk Factors.

For a discussion of our risk factors, see Part I, Item 1A. "Risk Factors" in our 2021 Annual Report on Form 10-K. There have been no material changes from the risk factors in our 2021 Annual Report on Form 10-K.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds.

None.

Item 3. Defaults Upon Senior Securities.

None.

Item 4. Mine Safety Disclosures.

Not applicable.

Item 5. Other Information.

None.

Item 6. Exhibits.

Exhibit Number (1)	Description of exhibit	Document filed or furnished, as indicated below
4.1	Capital Plan, effective April 18, 2022	Filed Herewith
<u>31.1</u>	Rule 13a-14(a)/15d-14(a) Certification of Principal Executive Officer	Filed Herewith
31.2	Rule 13a-14(a)/15d-14(a) Certification of Principal Financial Officer	Filed Herewith
<u>32</u>	Section 1350 Certifications	Furnished Herewith
101.INS	XBRL Instance Document	The instance document does not appear in the interactive data file because its XBRL tags are embedded within the inline XBRL document
101.SCH	XBRL Taxonomy Extension Schema Document	Filed Herewith
101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document	Filed Herewith
101.LAB	XBRL Taxonomy Extension Label Linkbase Document	Filed Herewith
101.PRE	XBRL Taxonomy Extension Presentation Linkbase Document	Filed Herewith
101.DEF	XBRL Taxonomy Extension Definition Linkbase Document	Filed Herewith
104	Cover Page Interactive Data File (formatted as inline XBRL and contained in Exhibit 101)	Filed Herewith

⁽¹⁾ Numbers coincide with Item 601 of Regulation S-K.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized, as of the 5th day of May 2022.

FEDERAL HOME LOAN BANK OF CINCINNATI (Registrant)

By: /s/ Andrew S. Howell

Andrew S. Howell

President and Chief Executive Officer

(principal executive officer)

By: /s/ Stephen J. Sponaugle

Stephen J. Sponaugle

Executive Vice President - Chief Financial Officer

(principal financial officer)