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Federal Home Loan Banks: Investor Presentation

Federal Home Loan Banks



### **Investor Presentation**

January 2024

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Investors are encouraged to consider these and other risks and uncertainties that are discussed in periodic combined financial reports posted on the Office of Finance web site, www.fhlb-of.com, and in reports filed by each FHLBank with the U. S. Securities and Exchange Commission. None of the FHLBanks or the Office of Finance undertakes any obligation to update or revise any forward-looking statements contained in this presentation, whether as a result of new information, future events, changed circumstances, or any other reason.



### FHLBanks are High-Quality, Low-Risk Housing GSEs

Durable

Solid Asset Quality



The FHLBanks are reliable liquidity providers through a fully-collateralized lending model that has helped shield the FHLBanks from sustaining credit losses on advances since their creation in 1932.

Scalable

Dynamic Capital Base



Cooperative member-provided capital base is designed to expand and contract in response to member borrowing needs.

**Flexible** 

Investor and Market Driven Issuance Model



The FHLBanks maintain issuance programs designed to meet changing investor needs.



# **FHLBank System Overview**

The 11 FHLBanks are government-sponsored enterprises (GSEs) organized as cooperatives under an act of Congress (Federal Home Loan Bank Act of 1932).

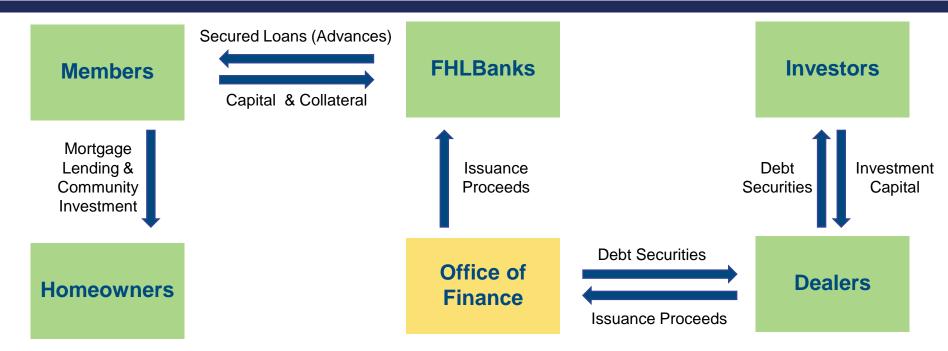
FHLBanks serve the general public by providing readily available, low-cost funding to approximately 6,500 members, thereby increasing the availability of credit for residential mortgage lending and investment in housing and community development.

FHLBanks fund their operations principally through the sale of debt securities through the Office of Finance.





# **FHLBanks Provide Liquidity**



Membership is voluntary and generally limited to:

- Federally-insured depository institutions
- Insurance companies
- Community Development Financial Institutions

All senior unsecured debt securities issued through the Office of Finance ("Consolidated Obligations") are the **joint and several** obligations of all FHLBanks.

#### Current ratings:

- S&P: AA+ / A-1+ / stable outlook
- Moody's: Aaa / P-1 / negative outlook



# **Combined Financial Highlights**

(\$ in billions)	2019	2020	2021	2022	3Q2023
Advances (Secured Loans)	\$642	\$423	\$351	\$819	\$827
Cash & Liquidity Investments(1)	207	175	166	207	226
Long Term Investment Securities(2)	173	156	146	157	187
Mortgage Loans Held for Portfolio(3)	72	63	55	56	60
Total Assets	\$1,099	\$821	\$723	\$1,247	\$1,309
Retained Earnings	\$20.6	\$22.0	\$22.8	\$24.6	\$27.2
Total Capital (GAAP)(4)	55	50	49	68	71
Regulatory Capital <sup>(4)</sup>	56	50	48	69	74
Regulatory Capital Ratio <sup>(5)</sup>	5.14%	6.11%	6.67%	5.55%	5.64%
Net Income	\$3.2	\$2.8	\$1.8	\$3.2	\$5.1

- 1. This includes cash, CDs, fed funds sold, securities purchased under agreements to resell, interest-bearing deposits, and U.S. Treasury Obligations (see Slide 12).
- 2. See Slide 13 for more information.
- 3. See Slide 14 for more details about Acquired Mortgage Assets.
- 4. The difference between total capital (GAAP) and regulatory capital relates primarily to accumulated other comprehensive income (loss), which is excluded from regulatory capital, and mandatorily redeemable capital stock, which is included in regulatory capital.
- 5. Each FHLBank maintains a minimum 4% regulatory capital-to-asset ratio.



# A Self-Capitalizing Model

The capital base of the FHLBanks is comprised of member and activity-based capital. Each FHLBank is required to hold a minimum of 4% regulatory capital, in addition to risk-based and leverage capital requirements. (See the <u>Capital</u> footnote in the Combined Financial Report for more information.)

- Members are required to capitalize all advances, typically at 4.0% to 5.0% of principal borrowed.
- FHLBanks may repurchase capital stock once the associated advances have been repaid.

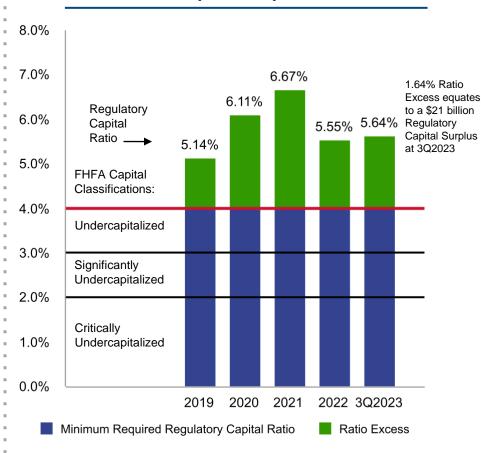
Controlled Scalability: FHLBanks have the ability to hold capital for up to 5 years.

■ FHLBanks can manage the traditionally variable capital base to preserve capital during periods of economic stress.

FHFA-ordered prompt corrective action for under capitalized FHLBanks may include:

- Development and implementation of capital restoration plans, risk management controls, and/or placing limits on dividends and stock redemptions, and
- Increasing capital requirements or temporary surcharges in excess of statutory or regulatory minimums

# Regulatory Capital Ratio Reflects Capital Surplus\*



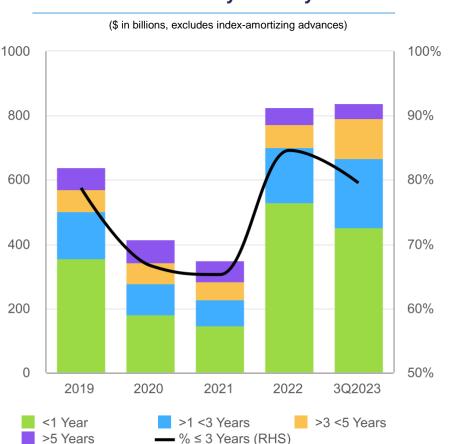
<sup>\*</sup> Regulatory capital requirements apply to individual FHLBanks, and the combined regulatory capital ratios and amounts are for analysis only.



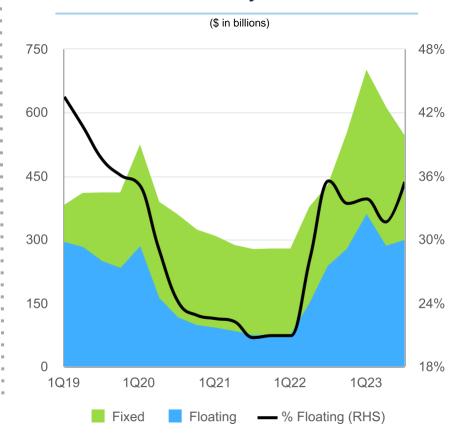
# **Advances - Reliable Liquidity Source**

### No Credit Losses on Advances in FHLBank System History





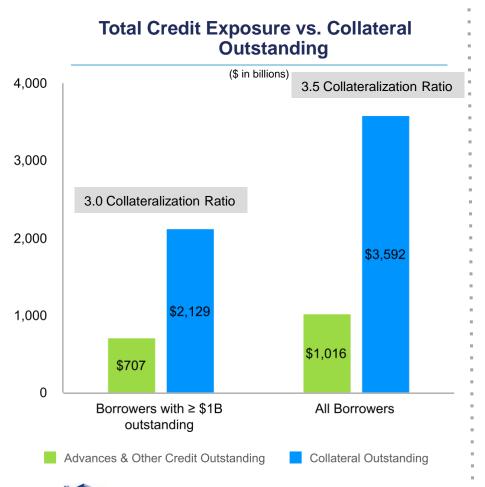
#### **Advances by Structure**



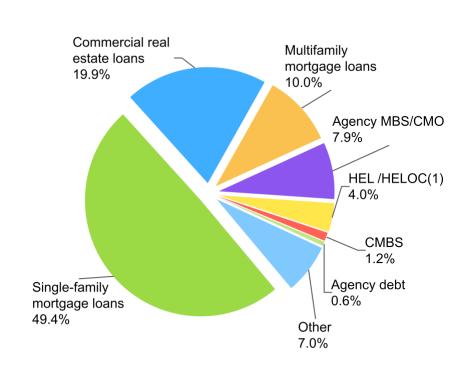


# **Collateral Securing Advances**

At 3Q2023, 134 Borrowers Had Advances Outstanding of at Least \$1 Billion, Representing \$598 Billion, or 72%, of Total Advances



### Type of Collateral Securing Advances and Other Credit Products Outstanding



1. Home equity loans and lines of credit

# **Collateral Lending Values**

	Average E	Average Effective Lending Value		
Collateral Type	Blanket Lien	Listing	Delivery	
Single-family mortgage loans	75%	74%	72%	
Multifamily mortgage loans	69%	72%	69%	
Other U.S. government-guaranteed loans	78%	82%	90%	
Home equity loans and lines of credit	60%	65%	67%	
Community Financial Institutions (CFI) loans	56%	64%	53%	
Commercial real estate loans	67%	66%	66%	
Other real estate loans	45%	69%	73%	
Cash and U.S. Obligations	n/a	n/a	94%	
State and local government securities	n/a	n/a	88%	
Municipal debt	n/a	n/a	79%	
U.S. agency securities (excluding MBS)	n/a	n/a	95%	
U.S. agency MBS and collateralized mortgage obligations (CMOs)	n/a	n/a	94%	
Private-label MBS and CMOs	n/a	n/a	82%	
CFI securities(1)	n/a	n/a	93%	
Commercial MBS	n/a	n/a	85%	
Other securities	n/a	n/a	85%	
Student loan securities	n/a	n/a	94%	

<sup>(1)</sup> Community Financial Institution – Total assets capped at \$1.42 billion as of 1/1/2023 by FHFA and adjusted annually for inflation.



### **Derivatives**

# At 3Q2023, \$7.2 Billion Net Credit Exposure to Counterparties on \$1,069.1 Billion Notional Derivative Counterparty Credit Exposure

- The FHLBanks manage counterparty credit risk through credit analysis, collateral requirements, and adherence to regulations and policies.
- Collateral agreements are required on all derivatives and typically establish collateral delivery thresholds.
- Counterparty risk is partially mitigated by use of master netting agreements.
- Collateral agreements may contain provisions that require posting of additional collateral if there is a deterioration in a counterparty's credit rating.
- The FHLBanks, as required under Dodd-Frank legislation, clear certain types of derivative transactions through derivative clearing houses.
- Interest rate swaps comprised 99% of the FHLBanks' derivative instruments, based on notional value as of 3Q2023. Other derivatives allowed by regulation include futures and forwards, swaptions, caps and floors and mortgage delivery commitments. (See <u>Derivative</u> <u>and Hedging Activities</u> for more details.)



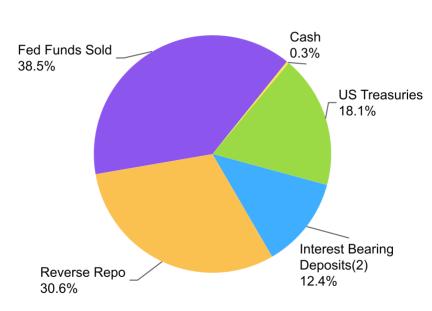
# **Cash and Liquidity Investments**

### **FHLBanks Maintain Contingent Liquidity**

- FHFA requires FHLBanks to hold positive cash flow, including certain U.S.
   Treasuries and short term investments, assuming no access to capital markets and assuming renewal of all maturing advances for a period of between 10 and 30 calendar days.
  - FHLBanks are also required to maintain a liquidity reserve of between 1% and 20% of outstanding letters of credit commitments.
- FHLBanks generally maintain additional liquidity beyond regulatory guidelines to meet obligations in the event of longerterm disruptions to the debt markets.

### Liquidity Investments at 3Q2023<sup>(1)</sup>





- Liquidity investments presented herein include all U.S. Treasury securities; however, FHFA regulations state that only those securities classified as trading and AFS (for accounting purposes) and with remaining maturity less than 10 years may be considered for contingent liquidity. (See <u>Investments</u> for more details.)
- 2. Depositors may include FHLBank members.

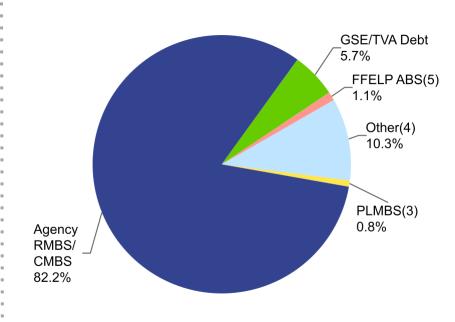


# **Long-Term Investment Securities**

### FHLBanks Invest Primarily In Highly-Rated Securities

- FHLBanks maintain long-term investment portfolios to enhance interest income, cover operating expenses and bolster capacity to meet affordable housing commitments (see <u>Investments</u> for more details).
- At 3Q2023, approximately 99% of longterm investment securities were rated single-A or higher.
- Regulation limits MBS investments to 300% of capital<sup>(1)</sup>.
- FHLBank policies generally permit purchase of triple-A rated MBS only.
- Current regulatory policy prohibits an FHLBank from purchasing MBS if its investment exceeds 300% of previous month-end regulatory capital on the day it purchases the securities.
- Investment securities excluding U.S. Treasury securities presented as liquidity investments.
- Includes non-agency RMBS, home equity ABS, & MH loan ABS.
- 4. Primarily consists of state/local housing agency obligations, SBA obligations, and GNMA securities.
- Federal Family Education Loan Program ABS

# Long-Term Investments at 3Q2023<sup>(2)</sup> \$187 billion





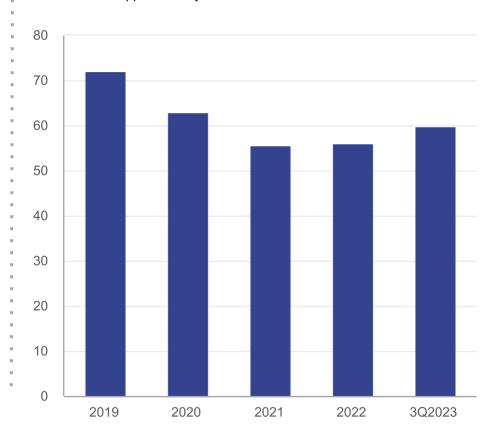
# **Acquired Mortgage Assets**

- MPF® (Mortgage Partnership Finance) and MPP (Mortgage Purchase Program) were created as alternatives to traditional GSE guarantee programs (see <u>Mortgage</u> <u>Loans</u> for more information).
  - Members *retain* a portion of the credit risk and *receive* fees for doing so, while transferring the interest rate and funding risk to the FHL Banks.
- Consist of 15- to 30-yr conventional conforming and government-guaranteed fixed-rate mortgage loans secured by 1 to 4 family residential mortgages – no ARMs.
  - Loans credit-enhanced by members to FHLBank-determined "AMA investment grade."
- Additional programs provide a conduit that enables members to leverage their FHLBank membership to transfer credit risk and gain access to liquidity for a variety of other loans.
  - Programs are available for non-agency jumbo, agency conforming, and government guaranteed loans.

#### **Mortgage Loans Held for Portfolio**

(\$ in billions)

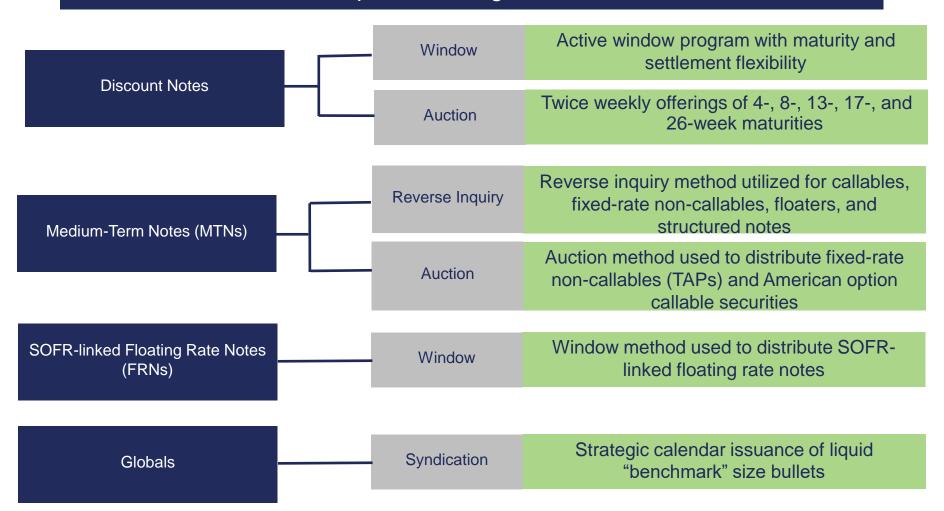
Mortgage Loans Held for Portfolio represent approximately 4.6% of total assets at 3Q2023





### **Debt Issuance Programs**

### FHLBanks Use Multiple Debt Programs and Issuance Methods

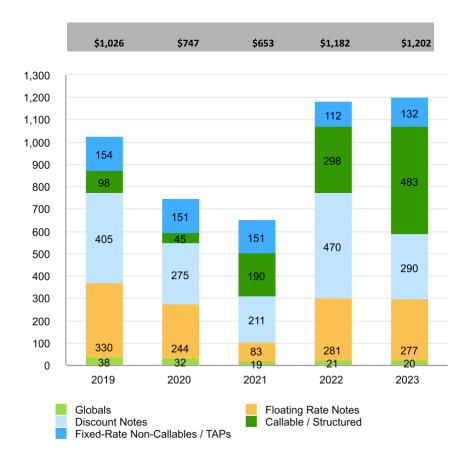




### Debt Profile Reflects Member and Investor Demand

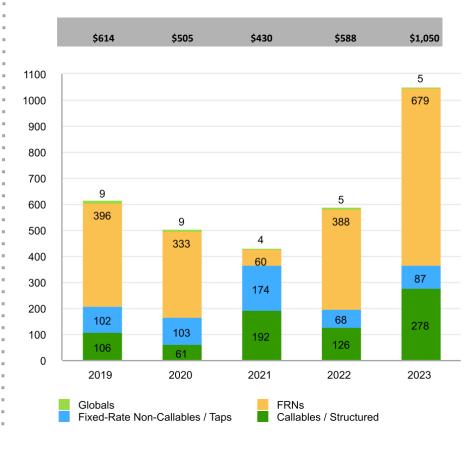
#### **Total Debt Outstanding** (1)

(\$ in billions)



#### Bond Issuance (2)

(\$ in billions)



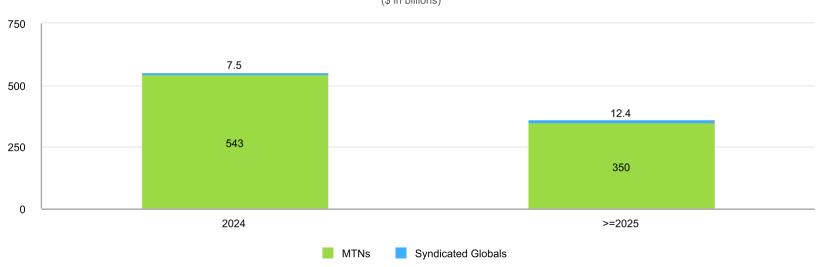
- 1. See <a href="www.fhlb-of.com">www.fhlb-of.com</a> for Archival Debt Statistics
- 2. Coupon debt only excludes discount notes



# **Term Debt Refunding**

#### **Maturity Profile of Outstanding Bonds**





#### **Historical Bond Redemption Activity**

(\$ in billions)

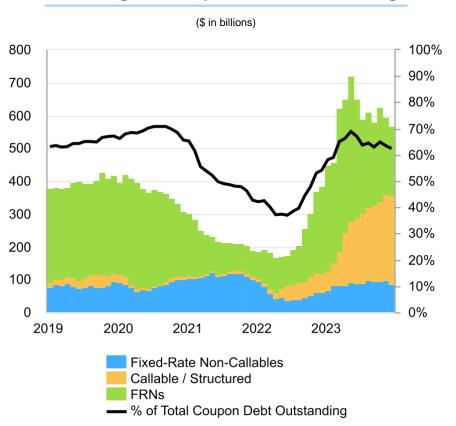
	2019	2020	2021	2022	2023
Calls / Retirements	108	115	47	8	37
Maturities	489	539	413	310	812



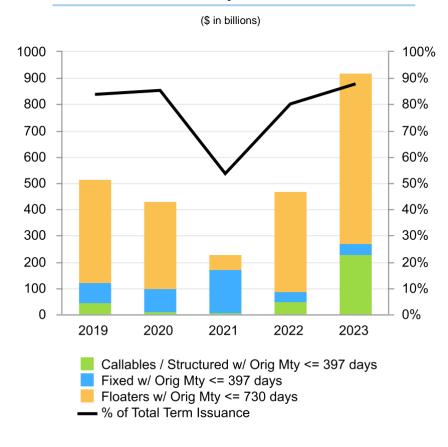
### **Short-Term Debt**

### FHLBank Debt Has Consistently Met Investors' Needs for Safety and Liquidity

#### 2a-7 Eligible Coupon Debt Outstanding



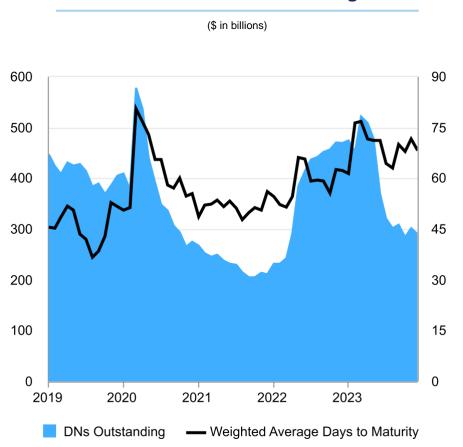
#### **Short-Term Coupon Debt Issuance**



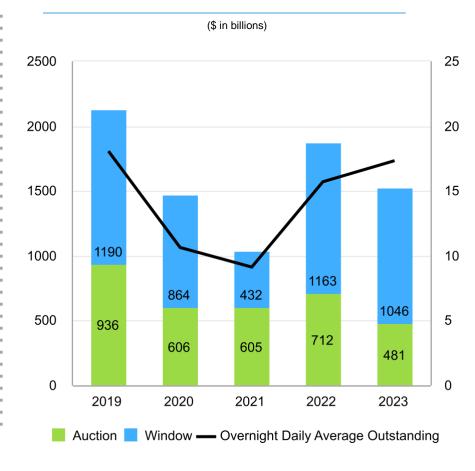


# **Discount Note Program**

#### **Discount Notes Outstanding**



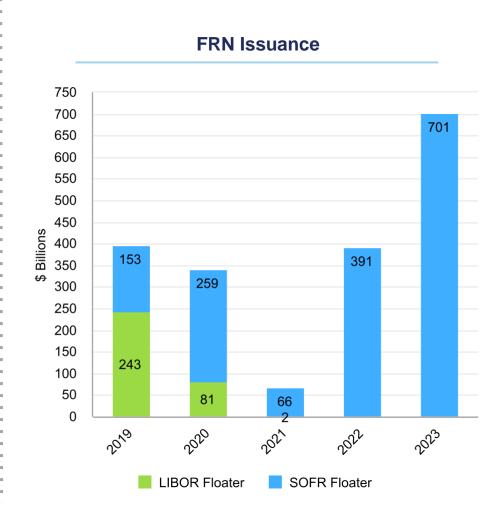
#### **Discount Note Issuance**





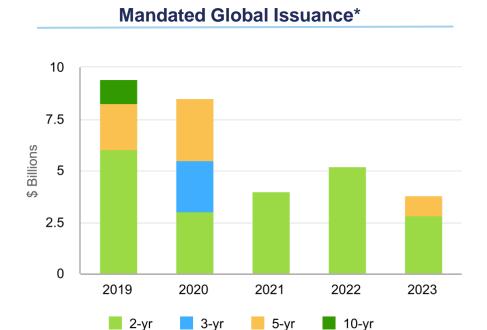
# Floating Rate Note Program

- FHLBanks have issued FRNs indexed to various indices, with the vast majority of issuance linked to SOFR since 2020. \$1,580 billion in SOFR-indexed FRNs have been issued since the inception of the program as part of the FHLBanks' transition away from LIBOR.
- SOFR-indexed FRN maturities have ranged from 3 months to 6.5 years, with the largest concentration in maturities of 2-years or less, and may be issued in both callable and non-callable structures.
- SOFR-indexed FRNs are primarily issued via a window process, allowing for reverse inquiry by investors and dealers, but the FHLBank System may also use a syndication format.
- The last of the FHLBanks' FRNs indexed to LIBOR matured in January 2022.



### **Mandated Global Bond Program**

- The maturity, size, and dealer syndicate are announced exclusively on predetermined dates.
- A complete Mandated Global issuance calendar is available at www.fhlb-of.com.
- FHLBanks may issue one or more new Globals and/or one or more re-openings on announcement dates.
- 2- through 30-year maturities are a minimum of \$1 billion for new issues and \$250 million for reopenings.



\* 2019-2023 Total issuance: \$32.30 bn, includes re-openings

#### **Historical Global Issuance**

(\$ in billions - includes re-openings - 2019 to present)

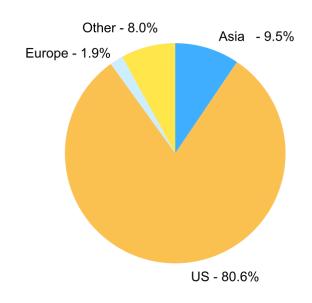
	2-yr	3-yr	5-yr	10-yr
Total Issuance	\$21.00	\$3.90	\$6.25	\$1.15
# of New Issues	16	2	5	



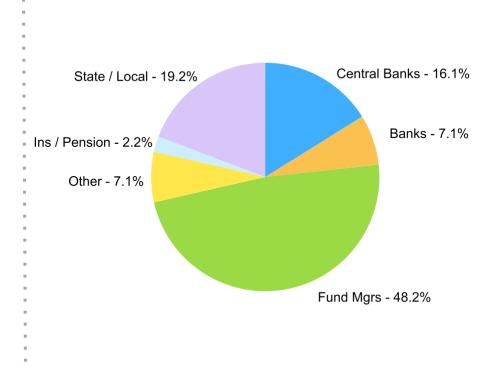
### **Mandated Global Bond Investor Distribution**

### **Mandated Global Issues - January 2023 through December 2023**

#### **By Region**



#### By Investor Type



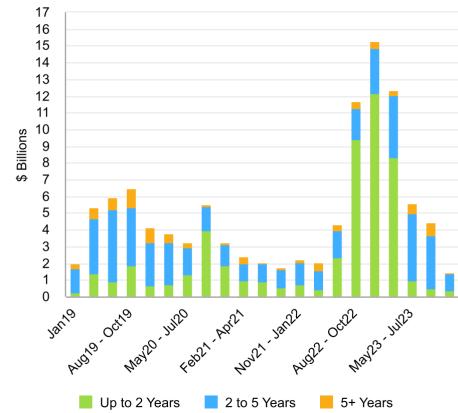
"Other" may include investors not specified by dealers



### **TAP Program**

- The TAP program is designed to coordinate and standardize the issuance of fixed-rate, non-callable debt.
- New TAP securities are created on a quarterly basis and then reopened via daily auction throughout a 90-day cycle.
- TAPs typically offer liquidityadjusted yield over comparable FHLBank Globals and other agency benchmarks.
- TAPs are available to investors through a 20+ member dealer bidding group.



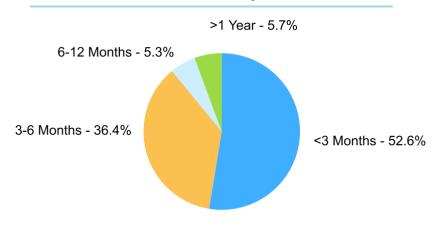




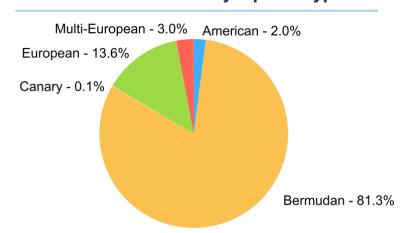
# Callable Bond Program

- Callable debt securities are an essential component of FHLBank funding, supporting both advances and investment portfolios.
- Callables offer enhanced yield over comparable fixed-rate non-callable bonds and allow investors to express views on volatility and/or the yield curve without sacrificing credit quality or utilizing derivatives.
- Flexible reverse inquiry process delivers a high degree of customization.
- Callables with American-style calls are auctioned through a 20+ member dealer bidding group.

#### **Callable Issuance by Lockout**



#### **Callable Issuance by Option Type**





### Conclusion

#### Well Capitalized



Self-capitalizing business model and capital preservation authority work together to provide a stable capital base.

#### Fully Collateralized



Fully-collateralized lending model has helped shield the FHLBanks from sustaining credit losses on advances in the FHLBank System's over 90-year operational history.

#### Cooperatively Organized



No public equity - FHLBank customers are also the owners, which fosters conservative management and a long-term view of financial performance.

#### Joint & Several Support



The FHLBanks share joint & several liability to repay all Consolidated Obligations.



### **Global Investor Relations Contact Information**

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