# Case Study: Forward Starting Advance

#### June 2021

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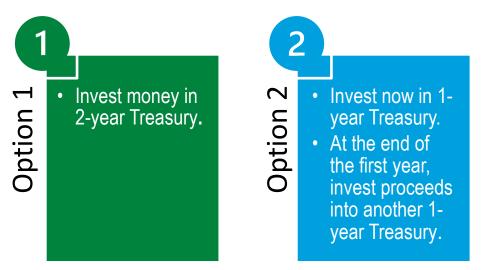
## Disclaimer

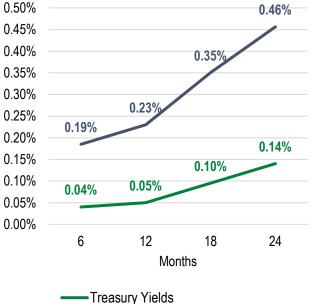
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# What are Forward Rates?

A forward rate is an interest rate for a transaction that will take place at a later date.

- Forward rates are the market's estimate of where rates are likely to be at a future point.
- Example two-year horizon investment





U.S. Treasury Yields As of June 10, 2021

 For option 2, we don't know where rates will be in 1-year, but the market prices these rates today so that you are indifferent to either option 1 or option 2.

Source: U.S. Department of Treasury, FHLBank Boston

-1-Year Forward Treasury Yields

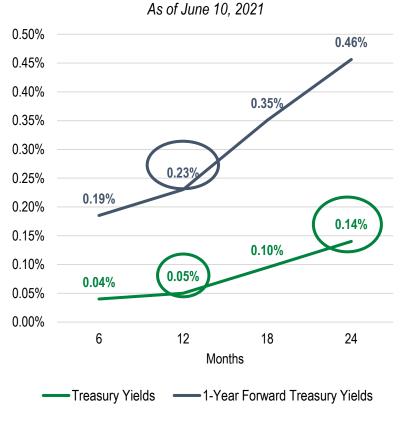
## The Math Behind Forward Rates - Example

We can look at the current spot curve in order to derive forward rates.

### Calculation example – Solve for the forward 1-year yield, 1-year from now

Forward Rate  $\frac{(1+.14\%)^2}{(1+.05\%)^1}$  -1 = **0.23%** 

 In this example, 0.23% is the market expectations of a 1-year investment, 1-year from today.



**U.S. Treasury Yields** 

Source: U.S. Department of Treasury, FHLBank Boston

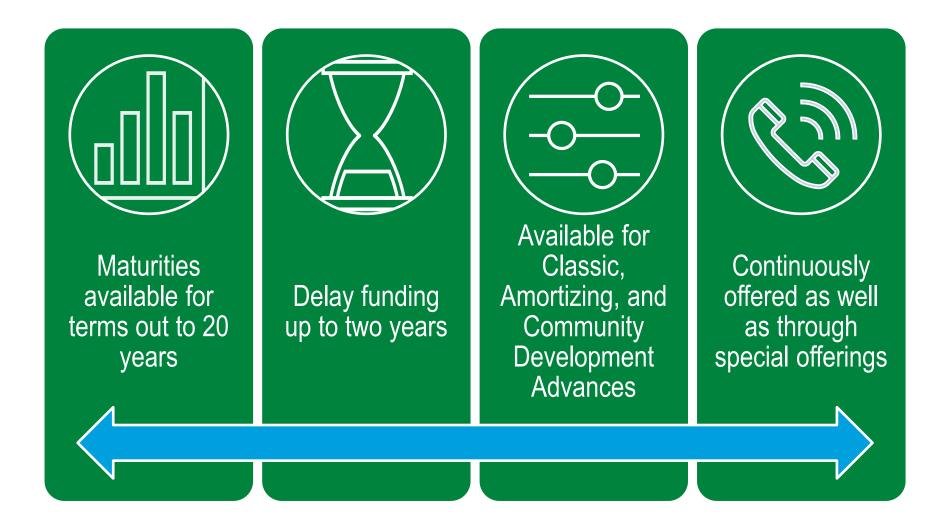
# **Overview**

The Forward Starting Advance allows members to lock in a rate today for an advance that settles at a future date. It provides the ability to delay taking down funding while hedging against rising rates, preparing for future loan growth and protecting against potential deposit runoff.

### **Common Uses**

- Access the current rate environment without adding additional liquidity.
- Lock in rates for anticipated future funding needs.
- Allow borrowers to lock in rates on loans with future closing dates.
- Manage anticipated deposit runoff or uncertainty in the future.

## **Forward Starting Advance Features**



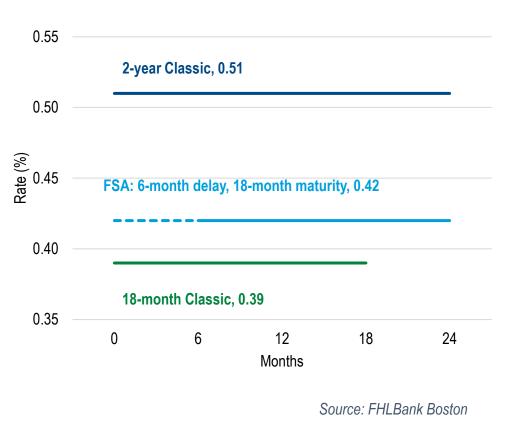
# **Recent Pricing Highlights**

Secure today's rates for future funding.

### **Highlights:**

- This Forward Starting Advance has a 6-month delay, and when disbursed the member will have an 18-month Classic Advance.
  - 9 basis point discount to 24month classic and 3 basis point premium to 18-month classic.
- During the 6-month delay, members do not have to purchase activity stock, nor does the advance use up available collateral.

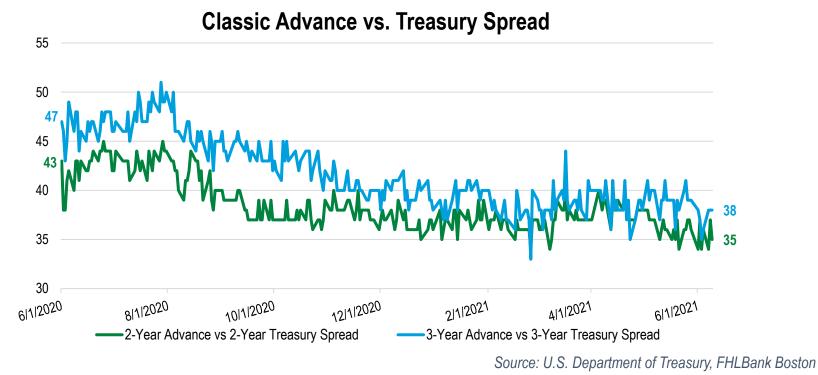
#### Classic & Forward Starting Advances



# **Today's Environment**

Tighter spreads help forward advance pricing.

- Continued spread tightening creates enhanced opportunity for forward pricing.
  - 2-Year Advance spread 35 basis points vs. 43 basis points last year.
  - 3-Year Advance spread 38 basis points vs. 47 basis points last year.



**Classification: Public** 

# **Balance Sheet Strategies**

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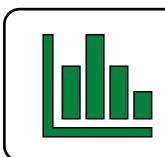
#### Manage Interest Rate Risk

• Liability sensitive members can protect from rising interest rates and protect net interest margins.



#### Manage Future Liquidity Needs

- Increased loan production expectations
- · Plan for deposit runoff
- Fund future investment purchases



#### **Replace Future CD or Advance Maturities**

• When rates are expected to rise or when forward pricing is opportunistic, you can replace future runoff today.

**FHLBank Boston** 

# **Thank You**

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