ADVANCE SOLUTIONS
PRODUCT LISTING

For an overview of all of our products please see our ADVANCE PRODUCT COMPARISON.

Fixed-Rate Advances
- Overnight
- Short-Term and Repo
- Long-Term
- Forward Starting Fixed-Rate
- Amortizing

Symmetrical Prepayment

Adjustable Rate Advances
- LIBOR Indexed
- Prime Rate
- Member Option Variable Rate
- SOFR Advance

Structured Advances
- Capped LIBOR
- Member Option Fixed-Rate
- Convertible
- Member Option LIBOR Advances

Community Investment Advance

Frequently Asked Questions
## Community Investment Advance
800.544.3452, ext. 2400  
communityinvestment@fhlbdm.com

## Money Desk
800.544.3452, ext. 2122  
moneydesk@fhlbdm.com

## eAdvantage
https://ebs.fhlbdm.com

### Member Solutions

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joel Adamo</td>
<td><a href="mailto:jadamo@fhlbdm.com">jadamo@fhlbdm.com</a></td>
<td>515.412.2759</td>
</tr>
<tr>
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<td><a href="mailto:zbassett@fhlbdm.com">zbassett@fhlbdm.com</a></td>
<td>515.412.2774</td>
</tr>
<tr>
<td>John Biestman</td>
<td><a href="mailto:jbiestman@fhlbdm.com">jbiestman@fhlbdm.com</a></td>
<td>515.412.2760</td>
</tr>
<tr>
<td>Lisa Cole</td>
<td><a href="mailto:lcole@fhlbdm.com">lcole@fhlbdm.com</a></td>
<td>515.480.5036</td>
</tr>
<tr>
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<td>515.412.2188</td>
</tr>
<tr>
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<td><a href="mailto:peveritt@fhlbdm.com">peveritt@fhlbdm.com</a></td>
<td>314.303.8002</td>
</tr>
<tr>
<td>Mike Farrell</td>
<td><a href="mailto:mfarrell@fhlbdm.com">mfarrell@fhlbdm.com</a></td>
<td>515.443.5709</td>
</tr>
<tr>
<td>Clay Hestdalen</td>
<td><a href="mailto:chestdalen@fhlbdm.com">chestdalen@fhlbdm.com</a></td>
<td>515.314.8040</td>
</tr>
<tr>
<td>Eric Jensen</td>
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<td>515.412.2749</td>
</tr>
<tr>
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<td>605.759.4320</td>
</tr>
<tr>
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<td><a href="mailto:bspears@fhlbdm.com">bspears@fhlbdm.com</a></td>
<td>515.412.2376</td>
</tr>
<tr>
<td>Chuck Vaughn</td>
<td><a href="mailto:cvaughn@fhlbdm.com">cvaughn@fhlbdm.com</a></td>
<td>515.419.6145</td>
</tr>
<tr>
<td>Dave Waldron</td>
<td><a href="mailto:dwaldron@fhlbdm.com">dwaldron@fhlbdm.com</a></td>
<td>515.412.2406</td>
</tr>
<tr>
<td>Rich Weaver</td>
<td><a href="mailto:rweaver@fhlbdm.com">rweaver@fhlbdm.com</a></td>
<td>573.680.7108</td>
</tr>
</tbody>
</table>

### Member Strategies

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brandon Casey</td>
<td><a href="mailto:bcasey@fhlbdm.com">bcasey@fhlbdm.com</a></td>
<td>515.412.2735</td>
</tr>
<tr>
<td>Scott Hofer</td>
<td><a href="mailto:shofer@fhlbdm.com">shofer@fhlbdm.com</a></td>
<td>515.412.2769</td>
</tr>
<tr>
<td>Brett Manning</td>
<td><a href="mailto:bmanning@fhlbdm.com">bmanning@fhlbdm.com</a></td>
<td>515.412.2736</td>
</tr>
<tr>
<td>May Xu</td>
<td><a href="mailto:qxu@fhlbdm.com">qxu@fhlbdm.com</a></td>
<td>515.412.2767</td>
</tr>
</tbody>
</table>
**Overnight Advance**

*Overnight Advances are a source of fast, reliable overnight funding with no fees.*

**FEATURES**
- No seasonal restrictions or limits
- Does not require a “clean-up” period
- Interest charged daily on previous day’s ending balance
- Available until 5:00 PM (CT)
- Available through eAdvantage if advance amount is less than $15 million
- Advance repayments available through eAdvantage
- Funds can be rolled indefinitely

**PRODUCT OVERVIEW**

<table>
<thead>
<tr>
<th>Availability</th>
<th>Same day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Term Limitations</td>
<td>None</td>
</tr>
<tr>
<td>Minimum Requirement</td>
<td>None</td>
</tr>
<tr>
<td>Interest Billing</td>
<td>Daily</td>
</tr>
<tr>
<td>Rates Variable/Fixed</td>
<td>Fixed Daily</td>
</tr>
</tbody>
</table>

**OPTIMAL YIELD CURVE (based on rate expectations)**

- **Very Steep**: Rates remain low for a protracted period of time
- **Inverted**: Short-term rates will remain low
- **Steepening**: Short-term rates will remain low

**USES**

- **Balance Sheet Management**
- **Liquidity**

**QUESTIONS**

Please contact the Money Desk or your relationship manager.

**MONEY DESK** Call 800.544.3452, ext. 2122 or email moneydesk@fhlbdm.com

*Certain restrictions apply. Please reference FHLB Des Moines Member Products Policy and Collateral Procedures.*
Short-term and Repo Fixed-rate Advances provide you with the stability of fixed-rate funds at flexible terms.

**FEATURES**
- Fixed-rate
- Fixed-term
- Non-amortizing
- Available through eAdvantage if advance amount is less than $15 million

**BENEFITS**
- Attractively priced source of funding
- Same day funding

**PRODUCT OVERVIEW**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Availability</td>
<td>Same day</td>
</tr>
<tr>
<td>Term Limitations</td>
<td>Three business days to less than one year</td>
</tr>
<tr>
<td>Minimum Requirement</td>
<td>$100,000</td>
</tr>
<tr>
<td>Interest Billing</td>
<td>Due at maturity with term to maturity of three business days to six months. Due at the end of each month and at maturity with term to maturity greater than six months.</td>
</tr>
<tr>
<td>Rates Variable/Fixed</td>
<td>Fixed</td>
</tr>
</tbody>
</table>

**OPTIMAL YIELD CURVE** *(based on rate expectations)*

- Inverted
- Flattening

**USES**
- Balance Sheet Management
- Risk Mitigation
- Liquidity

**QUESTIONS**
Please contact the Money Desk or your Relationship Manager.

MONEY DESK Call 800.544.3452, ext. 2122 or email moneydesk@fhlbdm.com

Certain restrictions apply. Please reference FHLB Des Moines Member Products Policy and Collateral Procedures.
Long-term Fixed-rate Advances provide you with choices to meet your institution’s long-term funding needs.

**FEATURES**

- Fixed-rate
- Fixed-term
- Non-amortizing
- Available with symmetrical prepayment feature, excluding Community Investment Advances (CIA)
- Available through eAdvantage if advance amount is less than $15 million and less than five years
- Symmetrical prepayment feature requires $1 million minimum size and maximum term to maturity of 5 years.

**BENEFITS**

- Competitive pricing
- Same day funding (competitive pricing alternative to retail deposit markets)

**PRODUCT OVERVIEW**

<table>
<thead>
<tr>
<th>Availability</th>
<th>Same day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Term Limitations</td>
<td>One year to 30 years</td>
</tr>
<tr>
<td>Minimum Requirement</td>
<td>$100,000</td>
</tr>
<tr>
<td>Interest Billing</td>
<td>End of month and at maturity</td>
</tr>
<tr>
<td>Rates Variable/Fixed</td>
<td>Fixed</td>
</tr>
</tbody>
</table>

**OPTIMAL YIELD CURVE** *(based on rate expectations)*

- Steepening
- Very Steep

*Long-term rates are expected to increase*

**USES**

- CIA
- MORTGAGE
- RISK MITIGATION
- LIQUIDITY
- AGRICULTURE
- CONSTRUCTION

**BALANCE SHEET MANAGEMENT**

**QUESTIONS**

*PLEASE CONTACT THE MONEY DESK OR YOUR RELATIONSHIP MANAGER*

MONEY DESK  Call 800.544.3452, ext. 2122
or email moneydesk@fhlbdm.com

Subject to prepayment fee if repaid prior to maturity date. Certain restrictions apply. Please reference FHLB Des Moines Member Products Policy and Collateral Procedures.
Forward Starting Fixed-Rate Advance

Forward Starting Fixed-rate Advances are long-term non-amortizing advances that settle at a future member selected date. Symmetrical pre-payment features are not available on Forward Starting Advances. Forward Starting Advances cannot be restructured.

**FEATURES**
- Fixed-rate
- Fixed-term
- Collateralization of the advance and activity stock is not required until the advance settlement date
- Not available as Community Investment Advances (CIA)

**PRODUCT OVERVIEW**

<table>
<thead>
<tr>
<th>Availability</th>
<th>Mandatory settlement and only at end of the forward start period</th>
</tr>
</thead>
</table>
| Terms         | Forward Starting: 6 days to 2 years  
                 Maturity: Advance maturity plus forward starting period cannot exceed 5 years |
| Minimum Requirement | $1 million |
| Interest Billing | None during the forward starting period. Monthly for all maturities. |
| Member Availability | Members with a borrowing capacity of less than 20 percent of assets approved on a case-by-case basis. |
| Rates Variable/Fixed | Fixed |

**BENEFITS**
- Delay taking down funding for future anticipated needs while locking in historically low funding costs today
- Protect against rising rates without adding immediate liquidity
- Use internal deposits initially to maximize spread and use the advance to hedge duration risk

**USES**
- RISK MITIGATION
- CONSTRUCTION
- BALANCESHEET MANAGEMENT

Optimal Yield Curve (based on rate expectations)

- Steepening: Lock in advance before rates increase

**QUESTIONS**

**PLEASE CONTACT THE MONEY DESK OR YOUR RELATIONSHIP MANAGER**

MONEY DESK Call 800.544.3452, ext. 2122  
or email moneydesk@fhlbdm.com

**TERMS AND CONDITIONS**

Certain restrictions apply. Please reference FHLB Des Moines Member Products Policy and Collateral Procedures.
Amortizing Advances can be structured to match a variety of fixed-rate mortgage amortization schedules, giving you the flexibility to customize the advance to meet your specific funding needs. Symmetrical prepayment features are not available on Amortizing Advances with a delayed amortization or prepayment (call) feature.

FEATURES

- Amortization periods up to 30 years with balloon/final maturities up to 30 years
- Monthly, quarterly, semi-annual or annual payment schedules based on:
  - Level Payments\(^*\) – Equal periodic principal and interest payments over the life of the advance.
  - Level Principal Payments – Equal periodic principal payments over the life of the advance.
- Available with delay feature which makes proceeds available on day one, but commencement of the repayment of the principal can be delayed for up to five years
- An option to prepay without incurring a prepayment fee following a member-selected lockout date can also be included
- Available with symmetrical prepayment feature, excluding Community Investment Advances (CIA)
  - Symmetrical prepayment feature requires $1 million minimum size and maximum term to maturity of 5 years.
  - Actual principal and interest payments charged over the life of the advance may differ between billing periods due to the Bank’s use of an Actual Day/360 Day calendar in its interest calculations.

BENEFITS

- Match the scheduled amortization characteristics of many fixed rate assets
- Manage long-term and unpredictable cash flows
- Control the timing of the principal cash flows and the repayment of the advance with the delay feature

PRODUCT OVERVIEW

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Availability</td>
<td>Same day</td>
</tr>
<tr>
<td>Term Limitations</td>
<td>Various options available</td>
</tr>
<tr>
<td>Minimum Requirement</td>
<td>$100,000</td>
</tr>
<tr>
<td>Interest Billing</td>
<td>Various</td>
</tr>
<tr>
<td>Rates Variable/Fixed</td>
<td>Fixed</td>
</tr>
</tbody>
</table>

OPTIMAL YIELD CURVE (based on rate expectations)

- Steepening
- Very Steep

USES

- Risk Mitigation
- Balance Sheet Management
- Construction
- Mortgages

QUESTIONS

PLEASE CONTACT THE MONEY DESK OR YOUR RELATIONSHIP MANAGER

MONEY DESK Call 800.544.3452, ext. 2122 or email moneydesk@fhlbdm.com

Certain restrictions apply. Please reference FHLB Des Moines Member Products Policy and Collateral Procedures.
A Symmetrical Prepayment feature is a unique enhancement to our Long-term Fixed-rate and Amortizing advances. This feature allows you to prepay an advance and potentially realize a gain if interest rates rise to a level greater than those that existed when the advance was originated. The Symmetrical Prepayment feature is not available on Community Investment Advances (CIA); Forward Starting, Long-term, Fixed-rate Advances; or Amortizing Advances with a delayed amortization or prepayment (call) feature. Advances cannot be restructured from or into an advance with a Symmetrical Prepayment Feature.

### FEATURES
- No cap on realized gains
- Flexibility to adjust funding to match changes in your institution’s interest rate risk profile
- Potentially no prepayment fee if rates rise to a certain level from origination
- Minimal increase in rate in comparison to standard fixed-rate advances
- Minimum advance size of $1 million
- Maximum term to maturity of 5 years.

### BENEFITS
- Protect the value of a portfolio of long-term assets in a rising rate environment
- Hedge a mortgage-backed security or other optionable securities
- Provide stable, non-rate sensitive mortgage funding
- Offset losses on securities
- Potentially monetize gains from market rate increases

### HOW IT WORKS
Assume you take out a five-year, $10 million Fixed-rate Advance at 1.97 percent. You utilize the Symmetrical Prepayment feature, which in this example adds 0.02 percent to your rate, totaling 1.99 percent.

### POTENTIAL GAIN FROM SYMMETRICAL PREPAYMENT FEATURE
(if prepaid prior to maturity)

<table>
<thead>
<tr>
<th>MARKET VALUE</th>
<th>AMOUNT RETURNED TO INSTITUTION</th>
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</thead>
<tbody>
<tr>
<td>($175,220)</td>
<td>$64,100</td>
</tr>
<tr>
<td>$297,600</td>
<td>$297,600</td>
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<tr>
<td>$525,430</td>
<td>$525,430</td>
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<tr>
<td>$747,740</td>
<td>$747,740</td>
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<tr>
<td>$964,650</td>
<td>$964,650</td>
</tr>
<tr>
<td>$1,176,290</td>
<td>$1,176,290</td>
</tr>
</tbody>
</table>

Assumes an instantaneous and parallel rate shock at trade origination.

### QUESTIONS
PLEASE CONTACT THE MONEY DESK OR YOUR RELATIONSHIP MANAGER

**MONEY DESK** Call 800.544.3452, ext. 2122 or email moneydesk@fhlbdm.com

Certain restrictions apply. Please reference FHLB Des Moines Member Products Policy and Collateral Procedures.
LIBOR Indexed Advances provide a source of long-term funding with a pricing that adjusts automatically to changing market conditions. You can use these advances to manage repricing risk and efficiently fund numerous loan types.

FEATURES
- LIBOR advances are indexed to either one-, three- or six-month LIBOR with a term of one year to 5 years
- Interest rate adjusts at the same frequency as the member-selected LIBOR Index
- Re-pricing will occur two New York and London business days prior to the actual rate reset date

BENEFITS
- Matches the return on many variable rate mortgage-backed security products
- Mitigates basis risk and interest rate risk

PRODUCT OVERVIEW

<table>
<thead>
<tr>
<th>Availability</th>
<th>Same day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Term Limitations</td>
<td>Repricing every one-, three- or six-months with a term of one year to 5 years</td>
</tr>
<tr>
<td>Minimum Requirement</td>
<td>$100,000</td>
</tr>
<tr>
<td>Interest Billing</td>
<td>At reset date</td>
</tr>
<tr>
<td>Rates Variable/Fixed</td>
<td>Variable</td>
</tr>
</tbody>
</table>

OPTIMAL YIELD CURVE (based on rate expectations)

- Inverted: Rates will fall and remain low for a protracted period of time
- Flattening

USES

- LIQUIDITY
- RISK MITIGATION
- CIA

QUESTIONS

PLEASE CONTACT THE MONEY DESK OR YOUR RELATIONSHIP MANAGER

Subject to prepayment fee if repaid prior to maturity date. Certain restrictions apply. Please reference FHLB Des Moines Member Products Policy and Collateral Procedures.
Prime Rate Advances are a useful funding tool and can be used to finance operational, commercial, agricultural or home equity loans, as well as minimize interest rate risk.

FEATURES

- Fixed-term, adjustable-rate financing
- 6-, 12-, 18- and 24- month terms, priced at a spread to the Prime Rate*
- Advance rate resets as Prime changes, adjusting automatically to changing market conditions

BENEFITS

- Fund floating-rate loans and operating lines of credit
- Mitigate basis risk and interest rate risk

*Prime as defined by the USD-Prime-H.15 as published in Federal Reserve Statistical Release H.15.

**PRODUCT OVERVIEW**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Availability</td>
<td>Same day</td>
</tr>
<tr>
<td>Term Limitations</td>
<td>Six-, 12-, 18- or 24-months</td>
</tr>
<tr>
<td>Minimum Requirement</td>
<td>$100,000</td>
</tr>
<tr>
<td>Interest Billing</td>
<td>End of month</td>
</tr>
<tr>
<td>Rates Variable/Fixed</td>
<td>Variable</td>
</tr>
</tbody>
</table>

**OPTIMAL YIELD CURVE** (based on rate expectations)

- Inverted
- Flattening

*Inverted: Rates will fall and remain low for a protracted period of time*

**USES**

- CIA
- MORTGAGE
- RISK MITIGATION
- LIQUIDITY
- AGRICULTURE
- CONSTRUCTION

**QUESTIONS**

PLEASE CONTACT THE MONEY DESK OR YOUR RELATIONSHIP MANAGER

MONEY DESK  Call 800.544.3452, ext. 2122
or email moneydesk@fhlbdm.com

Subject to prepayment fee if repaid prior to maturity date. Certain restrictions apply. Please reference FHLB Des Moines Member Products Policy and Collateral Procedures.
**Member Option Variable-Rate Advance**

*The Member Option Variable-rate Advance provides members who are uncertain of their liquidity needs with the ability to prepay the advance without incurring a prepayment fee on designated rate reset dates.*

**FEATURES**
- Adjusts every three- or six-months on the rate-reset date
- Prepay without a fee on scheduled dates with appropriate notice
- $500,000 minimum advance with additional increments of $100,000
- Volume threshold of $10 billion with the rate reflecting a premium above the threshold
- Available for immediate settlement

**BENEFITS**
- Fund assets with scheduled prepayment option
- Take advantage of falling interest rates
- Provide flexibility in managing liquidity

**PRODUCT OVERVIEW**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Availability</td>
<td>Same day</td>
</tr>
<tr>
<td>Term Limitations</td>
<td>One year to 5 years, member option to re-pay on rate reset date with appropriate notice</td>
</tr>
<tr>
<td>Minimum Requirement</td>
<td>$500,000</td>
</tr>
<tr>
<td>Volume Threshold</td>
<td>$10 billion with rate reflecting a premium above the threshold</td>
</tr>
<tr>
<td>Interest Billing</td>
<td>At reset and maturity date</td>
</tr>
<tr>
<td>Rates Variable/Fixed</td>
<td>Variable</td>
</tr>
</tbody>
</table>

**OPTIMAL YIELD CURVE (based on rate expectations)**

- **Very Steep**
- **Inverted**
- **Flattening**

**USES**

- LIQUIDITY
- CONSTRUCTION
- AGRICULTURE
- BALANCE SHEET MANAGEMENT

**QUESTIONS**

*PLEASE CONTACT THE MONEY DESK OR YOUR RELATIONSHIP MANAGER*

MONEY DESK  Call 800.544.3452, ext. 2122  or email moneydesk@fhlbdm.com

*Certain restrictions apply. Please reference FHLB Des Moines Member Products Policy and Collateral Procedures.*
Secured Overnight Financing Rate (SOFR) Advance

A variable rate advance that serves as a source of liquidity and is priced based upon the prevailing SOFR reference rate as published by the Federal Reserve Bank of New York.

FEATURES

- Interest on SOFR advances is calculated based on the average SOFR observed for the relevant Interest Period plus a spread
- The rate on SOFR advances will reset each calendar day in the relevant Interest Period
- For any Rate Reset Date that is not a U.S. Government Securities Business Day, the Reference Rate for such Rate Reset Date will be the SOFR published on the first U.S. Government Securities Business Day immediately preceding such Rate Reset Date
- The Rate Cut-Off Date shall be the second U.S. Government Securities Business Day prior to the Interest Payment Date in respect of the relevant Interest Period. During a Rate Cut-Off Period, the Reference Rate for each Rate Reset Date during the Rate Cut-Off Period will be the SOFR in effect with respect to the Rate Reset Date that coincides with the Rate Cut-Off Date
- Interest is paid monthly with principal due at maturity
- SOFR advances may not be pre-paid prior to maturity

PRODUCT OVERVIEW

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Advance Size</td>
<td>$100,000</td>
</tr>
<tr>
<td>Term to Maturity</td>
<td>3-months to 2-years</td>
</tr>
<tr>
<td>Interest Billing</td>
<td>Monthly and at maturity</td>
</tr>
<tr>
<td>Daycount Convention</td>
<td>Actual/360 days</td>
</tr>
<tr>
<td>Community Investment pricing</td>
<td>Available</td>
</tr>
<tr>
<td>Forward Starting and Symmetrical Prepayment Features</td>
<td>Not Available</td>
</tr>
<tr>
<td>Prepayment prior to stated maturity date</td>
<td>Not Allowed</td>
</tr>
</tbody>
</table>

Pricing subject to prevailing market conditions. Contact the Bank for current pricing and structure availability.

BENEFITS

- Variable rate advance product which can help with the LIBOR transition
- Source of liquidity at rates comparable to other short-term liabilities
- Means of funding other indexed rate assets

QUESTIONS

PLEASE CONTACT THE MONEY DESK OR YOUR RELATIONSHIP MANAGER

MONEY DESK Call 800.544.3452, ext. 2122 or email moneydesk@fhlbdm.com

Subject to prepayment fee if repaid prior to maturity date. Certain restrictions apply. Please reference FHLB Des Moines Member Products Policy and Collateral Procedures.
Capped LIBOR Advances are fixed-term, non-amortizing advances with interest rates that have a set adjustment. The advance rate is “capped” at a strike rate you choose, plus the initial spread on the advance.

FEATURES

- Capped LIBOR Advances are indexed to either one- or three-month LIBOR with a term of one year to 5 years
- $1 million minimum advance
- Interest rate resets every 30 or 90 days at the same frequency as the LIBOR Index
- Maximum interest rate on the Capped LIBOR Advance is the LIBOR strike rate plus or minus the spread to LIBOR quoted at advance origination
- Re-pricing will occur two New York and London business days prior to the actual reset date

BENEFITS

- Matches the return on many variable rate mortgage backed security products
- Advance rate cannot exceed the cap rate plus the initial spread

PRODUCT OVERVIEW

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Availability</td>
<td>Same day</td>
</tr>
<tr>
<td>Term Limitations</td>
<td>Repricing every one-or three-months with a term of one year to 5 years</td>
</tr>
<tr>
<td>Minimum Requirement</td>
<td>$1 million</td>
</tr>
<tr>
<td>Interest Billing</td>
<td>At reset and maturity date</td>
</tr>
<tr>
<td>Rates Variable/Fixed</td>
<td>Variable</td>
</tr>
</tbody>
</table>

OPTIMAL YIELD CURVE (based on rate expectations)

- Inverted
- Very Steep
- Steeping

USES

- Risk Mitigation
- Balance Sheet Management
- CIA

QUESTIONS

PLEASE CONTACT THE MONEY DESK OR YOUR RELATIONSHIP MANAGER

QUESTIONS

MONEY DESK Call 800.544.3452, ext. 2122
or email moneydesk@fhlbdm.com

Certain restrictions apply. Please reference FHLB Des Moines Member Products Policy and Collateral Procedures.
The Member Option Fixed-rate Advance can help you mitigate risk and manage liquidity.

**FEATURES**
- Advance maturities of one year to 5 years
- $1 million minimum advance with additional increments of $100,000
- Can be prepaid on scheduled dates without a fee with five business days’ notice
- Advance proceeds are available for same day settlement
- European or Bermudan call options

**BENEFITS**
- Fund assets with prepayment options
- Advance can help manage interest rate and prepayment risk
- Fund a fixed-rate mortgage portfolio or seasonal needs
- Provide liquidity management or investment portfolio management

**PRODUCT OVERVIEW**

<table>
<thead>
<tr>
<th>Availability</th>
<th>Same day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Term Limitations</td>
<td>One year to 5 years, member option to repay on scheduled dates with a five business day prior notice</td>
</tr>
<tr>
<td>Minimum Requirement</td>
<td>$1 million</td>
</tr>
<tr>
<td>Interest Billing</td>
<td>End of month</td>
</tr>
<tr>
<td>Rates Variable/Fixed</td>
<td>Fixed</td>
</tr>
</tbody>
</table>

**OPTIMAL YIELD CURVE** *(based on rate expectations)*

- Steepening
- Very Steep

**USES**

- RISK MITIGATION
- CIA
- AGRICULTURE
- LIQUIDITY

**QUESTIONS**

Please contact the Money Desk or your relationship manager.

MONEY DESK Call 800.544.3452, ext. 2122 or email moneydesk@fhlbdm.com

Certain restrictions apply. Please reference FHLB Des Moines Member Products Policy and Collateral Procedures.
Convertible Advance

The Convertible Advance offers fixed-rate funding in exchange for selling FHLB Des Moines the option to terminate and requires you to repay the advance prior to the stated maturity of the advance. This advance is inherently more risky than a regular advance in terms of interest rate and liquidity risk. Contact your Vice President/Member Solutions to discuss using a Convertible Advance as part of your funding strategy before requesting the advance.

FEATURES

- Variety of structures available with regard to lockout periods and termination options
- Strike/knockout options are not available
- Advance maturities of one year to 5 years
- Minimum lockout ("put") option of 1 year
- In the event FHLB Des Moines terminates a Convertible Advance prior to the stated maturity date, FHLB Des Moines and the member agree that FHLB Des Moines will offer to provide market replacement funding to the member for such term and maturity as agreed upon by both the member and FHLB Des Moines

BENEFITS

- Certain terms of the Convertible Advance may be customized to meet your unique needs

PRODUCT OVERVIEW

<table>
<thead>
<tr>
<th>Availability</th>
<th>Two business day settlement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Term Limitations</td>
<td>One year to 5 years</td>
</tr>
<tr>
<td>Minimum Requirement</td>
<td>$1 million</td>
</tr>
<tr>
<td>Interest Billing</td>
<td>End of month</td>
</tr>
<tr>
<td>Rates Variable/Fixed</td>
<td>Fixed</td>
</tr>
</tbody>
</table>

OPTIMAL YIELD CURVE (based on rate expectations)

- Inverted
- Steepening

USES

CIA

BALANCE SHEET MANAGEMENT

QUESTIONS

PLEASE CONTACT THE MONEY DESK OR YOUR RELATIONSHIP MANAGER

MONEY DESK Call 800.544.3452, ext. 2122 or email moneydesk@fhlbdm.com

Certain restrictions apply. Please reference FHLB Des Moines Member Products Policy and Collateral Procedures.
**Member Option LIBOR Advance**

The Member Option LIBOR Advances provide members who are uncertain of their liquidity needs with the ability to prepay the advance without incurring a prepayment fee on designated rate reset dates.

### FEATURES
- Adjusts every one-, three- or six-months on the rate-reset date
- Prepay without a fee on scheduled dates with appropriate notice
- $100,000 minimum advance with additional increments of $100,000
- Volume threshold of $10 billion with the rate reflecting a premium above the threshold
- Available for immediate settlement
- Not available for Community Investment Advance

### BENEFITS
- Fund assets with scheduled prepayment option
- Take advantage of falling interest rates
- Provide flexibility in managing liquidity

### PRODUCT OVERVIEW

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Availability</td>
<td>Same day</td>
</tr>
<tr>
<td>Term Limitations</td>
<td>One year to 5 years, member option to re-pay on rate reset date with appropriate notice</td>
</tr>
<tr>
<td>Minimum Requirement</td>
<td>$100,000</td>
</tr>
<tr>
<td>Volume Threshold</td>
<td>$10 billion with rate reflecting a premium above the threshold</td>
</tr>
<tr>
<td>Interest Billing</td>
<td>At reset and maturity date</td>
</tr>
<tr>
<td>Rates Variable/Fixed</td>
<td>Variable</td>
</tr>
</tbody>
</table>

### OPTIMAL YIELD CURVE (based on rate expectations)

- **Very Steep**
- **Inverted**
- **Flattening**

### USES
- Money Desk
- Balances Sheet

### QUESTIONS

Please contact the Money Desk or your Relationship Manager.

**MONEY DESK** Call 800.544.3452, ext. 2122 or email moneydesk@fhlbdm.com

Certain restrictions apply. Please reference FHLB Des Moines Member Products Policy and Collateral Procedures.
Community Investment Advance

Community Investment Advances (CIA) are priced below corresponding regular advance rates and promote qualifying economic development initiatives in FHLB Des Moines member communities. There are two types of Community Investment Advances – Commercial Lending and Residential Lending.

COMMERCIAL LENDING

A Commercial Lending Advance supports loans originated for commercial, industrial, manufacturing, social service, public facilities projects and activities, and public and private infrastructure projects, such as roads, utilities and sewers.

ELIGIBILITY CRITERIA

- Eligible projects include commercial loans in target areas, loans to small business and loans to businesses and projects that support targeted incomes. Eligible loans would include direct loans, purchase of a participation interest in a loan or purchase of municipal bonds where the project financed by the bond is a CIA eligible project. Loans may be new originations or refinance of existing loans.
- Minimum borrowing amount $25,000
- Long-term advances from one year to 30 years

BENEFITS

- Promotes community economic development
- Supports small businesses and farms
- Helps businesses retain and create jobs in the community
- Reduces interest rate risk of long-term advances

RESIDENTIAL LENDING

A Residential Lending Advance supports loans originated to purchase, construct, rehabilitate or refinance affordable owner-occupied and rental housing.

ELIGIBILITY CRITERIA

- Advances are available for residential real estate loans made to low- and moderate-income owner-occupied households or can be used to support affordable rental projects.
- Loans may qualify in targeted areas. Loans originated in targeted areas qualify regardless of the income of the households served.
- Advances may be taken to support direct loans, purchased loan participations and the purchase of qualified mortgage revenue bonds or mortgage-backed securities. Loans may be new originations or refinance of existing loans.
- Minimum borrowing amount of $100,000
- Long-term advances from one year to 30 years

BENEFITS

- Provides affordable housing and promotes economic development
- Can be used in targeted areas regardless of the income of the borrower
- Reduces interest rate risk of long-term advances

Loans used to qualify for CIA must be originated within the three months prior to the date of an advance, or a member may take on an advance on loans to be closed. If the latter, a member must originate qualifying loans within 12 months of the date of the advance.

QUESTIONS

COMMUNITY INVESTMENT DEPARTMENT

Call 800.544.3452, ext. 2400 or email communityinvestment@fhlbdm.com

Certain restrictions apply. Please reference FHLB Des Moines Member Products Policy and Collateral Procedures.
WHAT DO I NEED TO HAVE IN PLACE IN ORDER TO BORROW?

- Complete and submit all agreements and forms.
- Adequate collateral must be pledged and credit capacity maintained prior to any advance request.
- All advances require activity stock. Activity stock requirement on advances is currently 4.00 percent of advance proceeds and is debited from your Demand Deposit Account (DDA) at the end of the business day.
- Depending on the type of advance, you have options when making a request:
  - Those individuals identified on your Authorized Personnel Form as advance contacts can request an advance through the Money Desk by calling 800.544.3452, ext. 2122. Advances of any type, term or amount can be requested through the Money Desk.
  - Through eAdvantage, authorized users may request overnight and term advances up to five years in amounts less than $15 million. Your eAdvantage Administrators must set-up individuals to request an advance through eAdvantage.
- Advance proceeds will be deposited to your DDA. If a Delivery of Advance Proceeds Form has been submitted, advance proceeds will be wired directly to the account you’ve identified.

WHERE CAN I ACCESS ADVANCE RATES?

- Less than $15 million: visit members.fhlbdm.com under the Advances section.
- Greater than $15 million: live market pricing available through the Money Desk by calling 800.544.3452, ext. 2122.

HOW IS BILLING HANDLED?

- Principal payments, when applicable, are collected on the last business day of the month or at maturity.
- Interest payments are collected on the last business day of the month, at maturity or on advance rate reset dates.
- Principal and interest for maturing advances are memo posted in eAdvantage the previous business evening, but charged on the morning of the maturity date. For advances not maturing, interest payments are charged to the member’s primary Demand Deposit Account at end of day.

WHAT IS THE METHOD OF INTEREST ACCRUAL?

- Advance interest is calculated on an actual/360 day basis.

WHAT IS A UNIQUE FUNDING OPPORTUNITY?

- At times, the Bank may offer discounted rate specials. Unique Funding Opportunities are available for limited time and on specific advances and terms.
Frequently Asked Questions

CAN I PREPAY AN ADVANCE?

- Yes, advance prepayment request forms must be submitted to the Money Desk prior to 2:00 PM (CT). There is a two-day settlement on prepaid advances.
- Advances must be prepaid in full, no partial prepayments with the exception of the Amortizing Advances with lockout.
- Most advances are subject to a prepayment fee if repaid prior to the maturity date. Prepayment fee indications are available for most advances through eAdvantage.

WHAT ARE THE BANK’S HOURS OF OPERATION?

- The FHLB Des Moines Customer Service Team is available from 8:00 AM – 7:00 PM (CT), Monday through Friday.
- Advances can be requested through the Money Desk from 8:00 AM – 3:30 PM, with Overnight Advances available until 5:00 PM, Monday through Friday.
- Access to eAdvantage is available 24/7. Advances may be requested through eAdvantage from approximately 9:00 AM through 3:30 PM (CT) for term advances up to 5 years and advance balances less than $15 million.