

Federal Home Loan Bank Advances and Commercial Bank Portfolio Composition

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Abstract

Federal Home Loan Bank (FHLB) advances are a source of government-sponsored liquidity intended to encourage housing finance, although “community financial institutions” may use such funds more generally. Because money is fungible, it is an empirical question as to how advances are actually employed. Using panel-vector autoregression techniques, we estimate dynamic responses of U.S. commercial bank portfolios to: FHLB advance shocks, bank lending shocks, and macroeconomic shocks. We find that FHLB advances: (i) are used as a general source of liquidity by U.S. commercial banks of all sizes and (ii) dampen the sensitivity of mortgage lending to macroeconomic shocks at small banks.

LITERATURE CITED

Ambrose, Brent W., Michael LaCour-Little, and Anthony B. Sanders. (2004) “The Effect of Conforming Loan Status on Mortgage Yield Spreads: A Loan Level Analysis.” *Journal of Real Estate Economics*, 32, 541–69.

[Web of Science®](#) | [Google Scholar](#)

Arellano, Manuel, and Olympia Bover. (1995) “Another Look at the Instrumental Variable Estimation of Error Component Models.” *Journal of Econometrics*, 68, 29–51.

[Web of Science®](#) | [Google Scholar](#)

Ashcraft, Adam, Morten L. Bech, and W. Scott Frame. (2009) “The Federal Home Loan Bank System: The Lender of Next-to-Last Resort?” *Journal of Money, Credit, and Banking*, 42, 551–83.

[Web of Science®](#) | [Google Scholar](#)

Bernanke, Ben S., and Alan S. Blinder. (1992) “The Federal Funds Rate and the Channels of Monetary Transmission.” *American Economic Review*, September, 901–21.

Bernanke, Ben S., and Ilian Mihov. (1998) "Measuring Monetary Policy. *Quarterly Journal of Economics*, 113, 869–902.

Den Haan, Wouter J., Steven Sumner, and Guy Yamashiro. (2004) " Bank Loan Components and the Time-Varying Effects of Monetary Policy Shocks." Centre for Economic Policy Research Discussion Paper 4724.

Flannery, Mark J., and W. Scott Frame. (2006) "The Federal Home Loan Bank System: The Other Housing GSE." Federal Reserve Bank of Atlanta, *Economic Review*, 91, 33–54.

Fortune, Peter. (1976) "The Effect of FHLB Bond Operations on Savings Inflows at Savings and Loan Associations: Comment. *Journal of Finance*, 31, 963–72.

Goldfield, Stephen M., Dwight M. Jaffee, and Richard E. Quandt. (1980) "A Model of FHLBB Advances: Rationing or Market Clearing? *Review of Economics and Statistics*, 62, 339–47.

Hancock, Diana, Andrew J. Laing, and James A. Wilcox. (1995) "Bank Capital Shocks: Dynamic Effects on Securities, Loans, and Capital," *Journal of Banking and Finance*, 19, 661–77.

Hancock, Diana, Andreas Lehnert, S. Wayne Passmore, and Shane M. Sherlund. (2005) " An Analysis of the Potential Competitive Impacts of Basel II Capital Standards on U.S. Mortgage Rates and Mortgage Securitization." Basel II White Paper, Board of Governors of the Federal Reserve System, Washington , DC , April.

Heuson, Andrea, S. Wayne Passmore, and Roger Sparks. (2001) "Credit Scoring and Mortgage Securitization: Implications for Mortgage Rates and Credit Availability. *Journal of Real Estate Finance and Economics*, 23, 337–63.

International Monetary Fund. (2009) *Global Financial Stability Report: Navigating the Financial Challenges Ahead*, October.

[Google Scholar](#)

Kwon, Jene K., and Richard M. Thornton. (1971) "An Evaluation of the Competitive Effect of FHLB Open Market Operations on Savings Inflows at Savings and Loan Associations. *Journal of Finance*, 26, 699-712.

[Web of Science®](#) | [Google Scholar](#)

Love, Inessa. (2001) " *Estimating Panel-Data Autoregressions: Package of Programs for Stata.*" Mimeo , Columbia University.

[Google Scholar](#)

Love, Inessa, and Lea Zicchino. (2006) "Financial Development and Dynamic Behavior: Evidence from Panel VAR. *Quarterly Review of Economics and Finance*, 46, 190-210.

[Google Scholar](#)

Mays, Elizabeth. (1989) "A Profit-Maximizing Model of Federal Home Loan Bank Behavior. *Journal of Real Estate Finance and Economics*, 2, 331-47.

[Google Scholar](#)

McCool, Thomas J. (2005) " Federal Home Loan Bank System: An Overview of Changes and Current Issues Affecting the System." Testimony before the Committee on Banking Housing, and Urban Affairs, U.S. Senate, April 13.

[Google Scholar](#)

McKenzie, Joseph A. (2002) "A Reconsideration of the Jumbo/Non-jumbo Mortgage Rate Differential. *Journal of Real Estate Finance and Economics*, 25, 197-213.

[Web of Science®](#) | [Google Scholar](#)

Ostas, James R. (1981) "The Federal Home Loan Bank System: Cause or Cure for Disintermediation? *Journal of Monetary Economics*, 8, 231-46.

[Web of Science®](#) | [Google Scholar](#)

Passmore, S. Wayne, Shane M. Sherlund, and Gillian Burgess. (2005) "The Effect of Housing Government-Sponsored Enterprises on Mortgage Rates. *Real Estate Economics*, 33, 427-63.

[Web of Science®](#) | [Google Scholar](#)

Silber, William L. (1973) "A Model of the Federal Home Loan Bank System and Federal National Mortgage Association Behavior. *Review of Economics and Statistics*, 55, 308-20.

[Web of Science®](#) | [Google Scholar](#)

Stojanovic, Dusan, Mark D. Vaughan, and Timothy J. Yeager. (2008) "Do Federal Home Loan Bank Membership and Advances Increase Bank Risk-Taking? *Journal of Banking and Finance*, 32, 680–98.

[Web of Science®](#) | [Google Scholar](#)

Thomson, James B. (2002) "Commercial Banks' Borrowing from the Federal Home Loan Banks." Federal Reserve Bank of Cleveland, *Economic Commentary*, July.

[PubMed](#) | [Web of Science®](#) | [Google Scholar](#)

Tuccillo, John A., Frederick E. Flick, and Michelle R. Ranville. (2005) "The Impact of Advances on Federal Home Loan Bank Portfolio Lending: A Statistical Analysis." Working Paper, Available at: http://www.fhlbanks.com/html/council_news.html.

[Google Scholar](#)

U.S. Federal Housing Finance Agency. (2011) "Members of Federal Home Loan Banks." Advanced Notice of Proposed Rulemaking Available at: http://www.fhfa.gov/webfiles/19621/75_FR_81145_12--27--10.pdf

[Google Scholar](#)

U.S. Treasury Department and U.S. Department of Housing and Urban Development. (2011) "Reforming America's Housing Finance Market: A Report to Congress." Available at: <http://www.treasury.gov/initiatives/Documents/Reforming%20America%27s%20Housing%20Finance%20Market.pdf>

[Google Scholar](#)

Van Horne, James C. (1973) "The Effect of FHLB Bond Operations on Savings Inflows at Savings and Loan Associations: Comment. *Journal of Finance*, 28, 194–97.

[Google Scholar](#)

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