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Waterstone Financial, Inc.  
Form 10-K  
March 06, 2019  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549  
FORM 10-K

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2018

Commission file number: 001-36271

WATERSTONE FINANCIAL, INC.  
(Exact name of registrant as specified in its charter)

Maryland 90-1026709  
(State or other jurisdiction of incorporation or organization) (I.R.S. Employer Identification No.)

11200 W Plank Ct, Wauwatosa, Wisconsin 53226  
(Address of principal executive offices) (Zip Code)

(414) 761-1000  
Registrant's telephone number, including area code:

Securities registered pursuant to Section 12(b) of the Act:

Common Stock, \$0.01 Par Value The NASDAQ Stock Market, LLC  
(Title of class) (Name of each exchange on which registered)

Securities registered pursuant to Section 12(g) of the Act:  
NONE

Indicate by check mark whether the registrant is a well-known seasoned issuer (as defined in Rule 405 of the 1933 Act).

Yes No

Indicate by check mark whether the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the 1934 Act.

Yes No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T during the preceding 12 months (or for such shorter period that the registrant was required to submit such files)

Yes No

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Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K is not contained herein, and will not be contained, to the best of registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K. [ ]

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer      Accelerated filer      Non-accelerated filer      Smaller Reporting Company  
Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 under the Exchange Act).  
Yes                      No

The aggregate market value of the voting and non-voting common equity held by non-affiliates of the Registrant, computed by reference to the price at which the common equity was last sold on June 30, 2018 as reported by the NASDAQ Global Select Market®, was approximately \$499.9 million.

As of February 28, 2019 28,088,739 shares of the Registrant's Common Stock were issued and outstanding.

DOCUMENTS INCORPORATED BY REFERENCE

Document	Part of Form 10-K Into Which Portions of Document are Incorporated
Proxy Statement for Annual Meeting of Shareholders on May 21, 2019	Part III

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WATERSTONE FINANCIAL, INC.

FORM 10-K ANNUAL REPORT TO THE SECURITIES AND EXCHANGE COMMISSION  
FOR THE YEAR ENDED DECEMBER 31, 2018

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## PART 1

### Item 1. Business

#### Forward-Looking Statements

This Annual Report on Form 10-K may contain or incorporate by reference various forward-looking statements, which can be identified by the use of words such as “estimate,” “project,” “believe,” “intend,” “anticipate,” “plan,” “seek,” “ex” and similar expressions and verbs in the future tense. These forward-looking statements include, but are not limited to:

- Statements of our goals, intentions and expectations;
- Statements regarding our business plans, prospects, growth and operating strategies;
- Statements regarding the quality of our loan and investment portfolio;
- Estimates of our risks and future costs and benefits.

These forward-looking statements are based on current beliefs and expectations of our management and are inherently subject to significant business, economic and competitive uncertainties and contingencies, many of which are beyond our control. In addition, these forward-looking statements are subject to assumptions with respect to future business strategies and decisions that are subject to change.

The following factors, among others, could cause actual results to differ materially from the anticipated results or other expectations expressed in the forward-looking statements.

- general economic conditions, either nationally or in our market area, including employment prospects, that are different than expected;
- competition among depository and other financial institutions;
- inflation and changes in the interest rate environment that reduce our margins and yields, our mortgage banking revenues or reduce the fair value of financial instruments or reduce the origination levels in our lending business, or increase the level of defaults, losses or prepayments on loans we have made and make whether held in portfolio or sold in the secondary markets;
- adverse changes in the securities or secondary mortgage markets;
- changes in laws or government regulations or policies affecting financial institutions, including changes in regulatory fees and capital requirements;
- changes in monetary or fiscal policies of the U.S. Government, including policies of the U.S. Treasury and the Federal Reserve Board;
- our ability to manage market risk, credit risk and operational risk in the current economic conditions;
- our ability to enter new markets successfully and capitalize on growth opportunities;
- our ability to successfully integrate acquired entities;
- decreased demand for our products and services;
- changes in tax policies or assessment policies;
- the inability of third-party provider to perform their obligations to us;
- changes in consumer demand, spending, borrowing and savings habits;
- changes in accounting policies and practices, as may be adopted by the bank regulatory agencies, the Financial Accounting Standards Board, the Securities and Exchange Commission or the Public Company Accounting Oversight Board;
- our ability to retain key employees;
- cyber attacks, computer viruses and other technological risks that may breach the security of our websites or other systems to obtain unauthorized access to confidential information and destroy data or disable our systems;
- technological changes that may be more difficult or expensive than expected;
- the ability of third-party providers to perform their obligations to us;
- the effects of federal government shutdown;

- the ability of the U.S. Government to manage federal debt limits;
- significant increases in our loan losses; and
- changes in the financial condition, results of operations or future prospects of issuers of securities that we own.

See also the factors regarding future operations discussed in "Management's Discussion and Analysis of Financial Condition and Results of Operations" and "Risk Factors" below.

Waterstone Financial, Inc.

Waterstone Financial, Inc., a Maryland corporation ("New Waterstone"), was organized in 2013. Upon completion of the mutual-to-stock conversion of Lamplighter Financial, MHC in 2014, New Waterstone became the holding company of WaterStone Bank SSB and succeeded to all of the business and operations of Waterstone Financial, Inc., a Federal corporation ("Waterstone-Federal") and each of Waterstone-Federal and Lamplighter Financial, MHC ceased to exist. In this report, we refer to WaterStone Bank SSB, our wholly owned subsidiary, both before and after the reorganization, as "WaterStone Bank" or the "Bank."

New Waterstone did not engage in any business prior to the completion of the mutual-to-stock conversion of Lamplighter Financial, MHC on January 22, 2014. Consequently, this Annual Report on Form 10-K reflects the financial condition and operating results of Waterstone-Federal and its subsidiaries, including the Bank, until January 22, 2014, and of New Waterstone, and its subsidiaries, including the Bank, thereafter. The words "Waterstone Financial," "we" and "our" thus are intended to refer to Waterstone-Federal and its subsidiaries with respect to matters and time periods occurring on or before January 22, 2014, and to New Waterstone and its subsidiaries with respect to matters and time periods occurring thereafter.

Waterstone Financial, Inc. and its subsidiaries, including WaterStone Bank, are referred to herein as the “Company,” “Waterstone Financial,” or “we.”

The Company maintains a website at [www.wsbonline.com](http://www.wsbonline.com). We make available through that website, free of charge, copies of our Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, amendments to those reports and proxy materials as soon as is reasonably practical after the Company electronically files those materials with, or furnishes them to, the Securities and Exchange Commission. You may access those reports by following the links under “Investor Relations” at the Company’s website. Information on this website is not and should not be considered a part of this document.

Waterstone Financial’s executive offices are located at 11200 West Plank Court, Wauwatosa, Wisconsin 53226, and its telephone number at this address is (414) 761-1000.

## BUSINESS OF WATERSTONE BANK

### General

WaterStone Bank is a community bank that has served the banking needs of its customers since 1921. WaterStone Bank also has an active mortgage banking subsidiary, Waterstone Mortgage Corporation, which had 78 offices in 23 states as of December 31, 2018.

WaterStone Bank conducts its community banking business from 11 banking offices located in Milwaukee, Washington and Waukesha counties, Wisconsin, as well as a loan production office in Minneapolis, Minnesota. WaterStone Bank’s principal lending activity is originating one- to four-family, multi-family residential, and commercial real estate loans for retention in its portfolio. At December 31, 2018, such loans comprised 35.5%, 43.3%, and 16.4%, respectively, of WaterStone Bank’s loan portfolio. WaterStone Bank also offers home equity loans and lines of credit, construction and land loans, commercial business loans, and consumer loans. WaterStone Bank funds its loan production primarily with retail deposits and Federal Home Loan Bank advances. Our deposit offerings include certificates of deposit, money market savings accounts, transaction deposit accounts, non-interest bearing demand accounts and individual retirement accounts. Our investment securities portfolio is comprised principally of mortgage-backed securities, government-sponsored enterprise bonds, municipal obligations, and other debt securities.

WaterStone Bank is subject to comprehensive regulation and examination by the Wisconsin Department of Financial Institutions (the “WDFI”) and the Federal Deposit Insurance Corporation (the “FDIC”).

WaterStone Bank’s executive offices are located at 11200 West Plank Court, Wauwatosa, Wisconsin 53226, and its telephone number is (414) 761-1000. Its website address is [www.wsbonline.com](http://www.wsbonline.com). Information on this website is not and should not be considered a part of this document.

WaterStone Bank’s mortgage banking operations are conducted through its wholly-owned subsidiary, Waterstone Mortgage Corporation. Waterstone Mortgage Corporation originates single-family residential real estate loans for sale into the secondary market. Waterstone Mortgage Corporation utilizes lines of credit provided by WaterStone Bank as a primary source of funds, and also utilizes a line of credit with another financial institution as needed. On a consolidated basis, Waterstone Mortgage Corporation originated approximately \$2.51 billion in mortgage loans held for sale during the year ended December 31, 2018, which excludes the loans originated from Waterstone Mortgage Corporation and purchased by WaterStone Bank.

### Subsidiary Activities

Waterstone Financial currently has one wholly-owned subsidiary, WaterStone Bank, which in turn has three wholly-owned subsidiaries. Wauwatosa Investments, Inc., which holds and manages our investment portfolio, is located and incorporated in Nevada. Waterstone Mortgage Corporation is a mortgage banking business incorporated in Wisconsin. Main Street Real Estate Holdings, LLC is an inactive Wisconsin limited liability corporation and previously owned WaterStone Bank office facilities and held WaterStone Bank office facility leases.

Wauwatosa Investments, Inc. Established in 1998, Wauwatosa Investments, Inc. operates in Nevada as WaterStone Bank's investment subsidiary. This wholly-owned subsidiary owns and manages the majority of the consolidated investment portfolio. It has its own board of directors currently comprised of its President, the WaterStone Bank Chief Financial Officer, Treasury Officer and the Chairman of Waterstone Financial's board of directors.

Waterstone Mortgage Corporation. Acquired in February 2006, Waterstone Mortgage Corporation is a mortgage banking business with offices in 23 states. It has its own board of directors currently comprised of its President, its Chief Financial Officer, the WaterStone Bank Chief Executive Officer, Chief Financial Officer and Executive Vice President and General Counsel.

Main Street Real Estate Holdings, LLC. Established in 2002, Main Street Real Estate Holdings, LLC was established to acquire and hold WaterStone Bank office and retail facilities, both owned and leased. Main Street Real Estate Holdings, LLC currently conducts real estate broker activities limited to real estate owned.

#### Market Area

WaterStone Bank. WaterStone Bank's market area is broadly defined as the Milwaukee, Wisconsin metropolitan market, which is geographically located in the southeast corner of the state. WaterStone Bank's primary market area is Milwaukee and Waukesha counties and the five surrounding counties of Ozaukee, Washington, Jefferson, Walworth and Racine. We have six branch offices in Milwaukee County, four branch offices in Waukesha County and one branch office in Washington County. At June 30, 2018 (the latest date for which information was publicly available), 45.6% of deposits in the State of Wisconsin were located in the seven-county Milwaukee metropolitan market and 39.8% of deposits in the State of Wisconsin were located in the three counties in which the Bank has a branch office.



WaterStone Bank's primary market area for deposits includes the communities in which we maintain our banking office locations. Our primary lending market area is broader than our primary deposit market area and includes all of the primary market area noted above but extends further west to the Madison, Wisconsin market and further north to the Appleton and Green Bay, Wisconsin markets. Additionally, in 2013 we opened a loan production office in Minneapolis, Minnesota, which has a primary lending market area of the Minneapolis-St. Paul, Minnesota metropolitan market.

Waterstone Mortgage Corporation. As of December 31, 2018, Waterstone Mortgage Corporation had 11 offices in each of Wisconsin and Florida, eight offices in each of Pennsylvania and New Mexico, six offices in Minnesota, four offices in Ohio and Texas, three offices in Michigan, two offices in each of Arizona, California, Illinois, Iowa, Maryland, New Hampshire, Oregon, and Virginia, and one office in each of Colorado, Delaware, Georgia, Idaho, Nebraska, North Carolina and Oklahoma.

## Competition

WaterStone Bank. WaterStone Bank faces competition within our market area both in making real estate loans and attracting deposits. The Milwaukee-Waukesha-West Allis metropolitan statistical area has a high concentration of financial institutions, including large commercial banks, community banks and credit unions. As of June 30, 2018, based on the FDIC annual Summary of Deposits Report, we had the ninth largest market share in our metropolitan statistical area out of 47 financial institutions, representing 1.69% of all deposits.

Our competition for loans and deposits comes principally from commercial banks, savings institutions, mortgage banking firms and credit unions. We face additional competition for deposits from money market funds, brokerage firms, and mutual funds. Some of our competitors offer products and services that we do not offer, such as trust services and private banking.

Our primary focus is to build and develop profitable consumer and commercial customer relationships while maintaining our role as a community bank.

Waterstone Mortgage Corporation. Waterstone Mortgage Corporation faces competition for originating loans both directly within the markets in which it operates and from entities that provide services throughout the United States through internet services. Waterstone Mortgage Corporation's competition comes principally from other mortgage banking firms, as well as from commercial banks, savings institutions and credit unions.

## Lending Activities

The scope of the discussion included under "Lending Activities" is limited to lending operations related to loans originated for investment. A discussion of the lending activities related to loans originated for sale is included under "Mortgage Banking Activities."

Historically, our principal lending activity has been originating mortgage loans for the purchase or refinancing of residential and commercial real estate. Generally, we retain the loans that we originate, which we refer to as loans originated for investment. One- to four-family residential mortgage loans represented \$490.0 million, or 35.5%, of our total loan portfolio at December 31, 2018. Multi-family residential mortgage loans represented \$597.1 million, or 43.3%, of our total loan portfolio at December 31, 2018. Commercial real estate loans represented \$225.5 million, or 16.4%, of our total loan portfolio at December 31, 2018. We also offer construction and land loans, home equity lines of credit and commercial loans. At December 31, 2018, commercial business loans, home equity loans, and land and construction loans totaled \$32.8 million, \$20.0 million and \$13.4 million, respectively.

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The largest exposure to one borrower or group of related borrowers was \$41.0 million in the multi-family category. The borrower represented a total of 3.0% of the total loan portfolio as of December 31, 2018.

Loan Portfolio Composition. The following table sets forth the composition of our loan portfolio in dollar amounts and as a percentage of the total portfolio at the dates indicated.

	At December 31,		2017		2016		2015		2014	
	Amount	Percent	Amount	Percent	Amount	Percent	Amount	Percent	Amount	Percent
(Dollars in Thousands)										
Mortgage loans:										
Residential real estate:										
One- to four-family	\$489,979	35.53 %	\$439,597	34.03 %	\$392,817	33.35 %	\$381,992	34.26 %	\$411,979	37.62 %
Multi-family	597,087	43.29 %	578,440	44.77 %	558,592	47.42 %	547,250	49.08 %	522,281	47.70 %
Home equity	19,956	1.45 %	21,124	1.64 %	21,778	1.85 %	24,326	2.18 %	29,207	2.67 %
Construction and land	13,361	0.97 %	19,859	1.54 %	18,179	1.54 %	19,148	1.72 %	17,081	1.56 %
Commercial real estate	225,522	16.35 %	195,842	15.16 %	159,401	13.53 %	118,820	10.66 %	94,771	8.65 %
Commercial loans	32,810	2.38 %	36,697	2.84 %	26,798	2.28 %	23,037	2.07 %	19,471	1.78 %
Consumer	433	0.03 %	255	0.02 %	319	0.03 %	361	0.03 %	200	0.02 %
Total loans	1,379,148	100.00%	1,291,814	100.00%	1,177,884	100.00%	1,114,934	100.00%	1,094,990	100.00%
Allowance for loan losses	(13,249 )		(14,077 )		(16,029 )		(16,185 )		(18,706 )	
Loans, net	\$1,365,899		\$1,277,737		\$1,161,855		\$1,098,749		\$1,076,284	

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Loan Portfolio Maturities and Yields. The following table summarizes the final maturities of our loan portfolio at December 31, 2018. Maturities are based upon the final contractual payment dates and do not reflect the impact of prepayments and scheduled monthly payments that will occur.

Due during the year ended	One- to four-family		Multi-family		Home Equity		Construction and Land		Weighted Average Rate	
	Amount	Weighted Average Rate	Amount	Weighted Average Rate	Amount	Weighted Average Rate	Amount	Weighted Average Rate	Amount	Weighted Average Rate
December 31,	(Dollars in Thousands)									
2019	\$7,928	5.59 %	\$22,079	4.46 %	\$2,239	5.62 %	\$1,589	5.07 %		
2020	3,715	4.79 %	48,593	4.17 %	2,467	5.73 %	128	4.75 %		
2021	9,239	5.23 %	47,828	4.27 %	2,392	5.75 %	1,597	4.90 %		
2022	25,523	5.25 %	89,274	4.45 %	3,181	5.48 %	59	6.00 %		
2023	18,565	5.41 %	97,385	4.64 %	3,230	5.45 %	1,463	4.76 %		
2024 and thereafter	425,009	4.59 %	291,928	4.39 %	6,447	4.92 %	8,525	4.52 %		
Total	\$489,979	4.68 %	\$597,087	4.42 %	\$19,956	5.38 %	\$13,361	4.67 %		

Due during the year ended	Commercial Real Estate		Commercial		Consumer		Total		Weighted Average Rate	
	Amount	Weighted Average Rate	Amount	Weighted Average Rate	Amount	Weighted Average Rate	Amount	Weighted Average Rate	Amount	Weighted Average Rate
December 31,	(Dollars in Thousands)									
2019	\$18,897	4.88 %	\$10,145	5.60 %	\$205	8.51 %	\$63,082	4.98 %		
2020	14,936	4.36 %	6,285	5.07 %	28	4.00 %	76,152	4.37 %		
2021	20,615	4.21 %	2,413	4.36 %	56	5.13 %	84,140	4.42 %		
2022	32,758	4.30 %	4,883	4.37 %	17	5.00 %	155,695	4.57 %		
2023	32,646	4.67 %	2,416	5.07 %	127	5.00 %	155,832	4.76 %		
2024 and thereafter	105,670	4.34 %	6,668	6.69 %	-	0.00 %	844,247	4.51 %		
Total	\$225,522	4.42 %	\$32,810	5.41 %	\$433	6.61 %	\$1,379,148	4.55 %		

The following table sets forth the scheduled repayments of fixed and adjustable rate loans at December 31, 2018 that are contractually due after December 31, 2019.

	Due After December 31, 2019		
	Fixed	Adjustable	Total
	(In Thousands)		
Mortgage loans			
Real estate loans:			
One- to four-family	\$18,335	\$463,716	\$482,051
Multi-family	233,389	341,619	575,008
Home equity	4,786	12,931	17,717
Construction and land	10,561	1,211	11,772
Commercial	117,363	89,262	206,625
Commercial	18,504	4,161	22,665
Consumer	228	-	228

Total loans	\$403,166	\$ 912,900	\$ 1,316,066
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One- to Four-Family Residential Mortgage Loans. One- to four-family residential mortgage loans totaled \$490.0 million, or 35.5% of total loans at December 31, 2018. One- to four-family residential mortgage loans originated for investment during the year ended December 31, 2018 totaled \$126.6 million, or 32.9% of all loans originated for investment. Our one- to four-family residential mortgage loans have fixed or adjustable rates. Our single family adjustable-rate mortgage loans generally provide for maximum annual rate adjustments of 200 basis points, with a lifetime maximum adjustment of 600 basis points. Our adjustable-rate mortgage loans typically amortize over terms of up to 30 years, and are indexed to the 12-month LIBOR rate. Single family adjustable rate mortgage loans are originated at both our community banking segment and our mortgage banking segment. We do not and have never offered residential mortgage loans specifically designed for borrowers with sub-prime credit scores, including Alt-A and negative amortization loans. Further, prior to 2007, we did not offer indexed, adjustable-rate loans other than home equity lines of credit, and we have never offered “teaser rate” first mortgage products.

Adjustable rate mortgage loans can decrease the interest rate risk associated with changes in market interest rates by periodically repricing, but involve other risks because, as interest rates increase, the loan payments by the borrower increase, thus increasing the potential for default by the borrower. At the same time, the marketability of the underlying collateral may be adversely affected by higher interest rates. Upward adjustment of the contractual interest rate is also limited by the maximum periodic and lifetime interest rate adjustments permitted by our loan documents and, therefore, the effectiveness of adjustable rate mortgage loans in decreasing the risk associated with changes in interest rates may be limited during periods of rapidly rising interest rates. Moreover, during periods of rapidly declining interest rates the interest income received from the adjustable rate loans can be significantly reduced, thereby adversely affecting interest income.

All residential mortgage loans that we originate include “due-on-sale” clauses, which give us the right to declare a loan immediately due and payable in the event that, among other things, the borrower sells or otherwise transfers the real property subject to the mortgage and the loan is not repaid. We also require homeowner’s insurance and where circumstances warrant, flood insurance, on properties securing real estate loans. The average one- to four-family first mortgage loan balance was \$219,000 on December 31, 2018, and the largest outstanding balance on that date was \$5.2 million, which is a consolidation loan that is collateralized by 80 single family properties. A total of 58.8% of our one- to four-family loans are collateralized by properties in the state of Wisconsin.

**Multi-family Real Estate Loans.** Multi-family loans totaled \$597.1 million, or 43.3% of total loans at December 31, 2018. Multi-family loans originated for investment during the year ended December 31, 2018 totaled \$123.1 million, or 32.0% of all loans originated for investment. These loans are generally secured by properties located in our primary market area. Our multi-family real estate underwriting policies generally provide that such real estate loans may be made in amounts of up to 80% of the appraised value of the property provided the loan complies with our current loans-to-one borrower limit. Multi-family real estate loans are offered with interest rates that are fixed for periods of up to five years or are variable and either adjust based on a market index or at our discretion. Contractual maturities do not exceed 10 years while principal and interest payments are typically based on a 30-year amortization period. In reaching a decision whether to make a multi-family real estate loan, we consider gross revenues and the net operating income of the property, the borrower’s expertise and credit history, global cash flows, and the appraised value of the underlying property. We will also consider the terms and conditions of the leases and the credit quality of the tenants. We generally require that the properties securing these real estate loans have debt service coverage ratios (the ratio of earnings before interest, income taxes, depreciation and amortization divided by interest expense and current maturities of long term debt) of at least 1.15 times. Generally, multi-family loans made to corporations, partnerships and other business entities require personal guarantees from the principals and by the owners of 20% or more of the borrower.

A multi-family borrower’s financial information is monitored on an ongoing basis by requiring periodic financial statement updates, payment history reviews and periodic face-to-face meetings with the borrower. We generally require borrowers with aggregate outstanding balances exceeding \$1.0 million to provide updated financial statements and federal tax returns annually. These requirements also apply to all guarantors on these loans. We also require borrowers with rental investment property to provide an annual report of income and expenses for the property, including a tenant list and copies of leases, as applicable. The average outstanding multi-family mortgage loan balance was \$966,000 on December 31, 2018, with the largest outstanding balance at \$13.4 million.

Loans secured by multi-family real estate generally involve larger principal amounts than owner-occupied, one- to four-family residential mortgage loans. Because payments on loans secured by multi-family properties often depend on the successful operation or management of the properties, repayment of such loans may be affected by adverse conditions in the real estate market or the economy.

**Home Equity Loans and Lines of Credit.** We also offer home equity loans and home equity lines of credit, both of which are secured by owner-occupied and non-owner occupied one- to four-family residences. At December 31, 2018, outstanding home equity loans and equity lines of credit totaled \$20.0 million, or 1.5% of total loans outstanding. At December 31, 2018, the unadvanced portion of home equity lines of credit totaled \$14.9 million. Home equity loans and lines originated for investment during the year ended December 31, 2018 totaled \$4.6 million, or 1.2% of all loans originated for investment. The underwriting standards utilized for home equity loans and home equity lines of credit include a determination of the applicant’s credit history, an assessment of the applicant’s ability to meet existing obligations and payments on the proposed loan, and the value of the collateral securing the loan. Home equity loans are offered with adjustable rates of interest and with terms up to 10 years. The loan-to-value ratio for our home equity loans and our lines of credit is generally limited to 90% when combined with the first security lien, if applicable. Our home equity lines of credit have ten-year terms and adjustable rates of interest, subject to a contractual floor, which are indexed to the prime rate, as reported in The Wall Street Journal. Interest rates on home equity lines of credit are generally limited to a maximum rate of 18%. The average outstanding home equity loan

balance was \$44,000 at December 31, 2018, with the largest outstanding balance at that date of \$532,000.

**Construction and Land Loans.** We originate construction loans for the acquisition of land and the construction of single-family residences, multi-family residences, and commercial real estate buildings. At December 31, 2018, construction and land loans totaled \$13.4 million, or 1.0% of total loans. Construction and land loans originated for investment during the year ended December 31, 2018 totaled \$66.3 million, or 17.2% of all loans originated for investment. Of the \$66.3 million originated in 2018, a total of \$59.0 million had yet to be advanced. At December 31, 2018, the unadvanced portion of the construction loan portfolio totaled \$79.8 million.

Our construction mortgage loans generally provide for the payment of interest only during the construction phase, which is typically up to nine months for single-family residences although our policy is to consider construction periods as long as 12 months or more for multi-family residences and commercial buildings. At the end of the construction phase, the construction loan converts to a longer-term mortgage loan. Construction loans can be made with a maximum loan-to-value ratio of 90%, provided that the borrower obtains private mortgage insurance if the owner-occupied residential loan balance exceeds 80% of the lesser of the appraised value or acquisition cost of the secured property. The average outstanding construction loan balance totaled \$1.3 million on December 31, 2018, with the largest outstanding balance at \$3.9 million. The average outstanding land loan balance was \$144,000 on December 31, 2018, and the largest outstanding balance on that date was \$684,000.

Before making a commitment to fund a construction loan, we require an appraisal of the property by an independent licensed appraiser. We also review and inspect each property before disbursement of funds during the term of the construction loan. Loan proceeds are disbursed after inspection based on either the percentage of completion method or the actual cost of the completed work.

Construction financing is generally considered to involve a higher degree of credit risk than longer-term financing on improved, owner-occupied real estate. Risk of loss on a construction loan depends largely upon the accuracy of the initial estimate of the value of the property at completion of construction compared to the estimated cost (including interest) of construction and other assumptions. If the estimate of construction cost is inaccurate, we may be required to advance funds beyond the amount originally committed in order to protect the value of the property. Additionally, if the estimate of value is inaccurate, we may be confronted with a project, when completed, with a value that is insufficient to ensure full repayment of the loan.

Commercial Real Estate Loans. Commercial real estate loans totaled \$225.5 million at December 31, 2018, or 16.4% of total loans, and are made up of loans secured by office and retail buildings, industrial buildings, churches, restaurants, other retail properties and mixed use properties. Commercial real estate loans originated for investment during the year ended December 31, 2018 totaled \$58.2 million, or 15.1% of all loans originated for investment. These loans are generally secured by property located in our primary market area. Our commercial real estate underwriting policies provide that such real estate loans may be made in amounts of up to 80% of the appraised value of the property. Commercial real estate loans are offered with interest rates that are fixed up to five years or are variable and either adjust based on a market index or at our discretion. Contractual maturities do not exceed 10 years while principal and interest payments are typically based on a 25-30-year amortization period. In reaching a decision whether to make a commercial real estate loan, we consider gross revenues and the net operating income of the property, the borrower's expertise and credit history, business and global cash flow, and the appraised value of the underlying property. In addition, we will also consider the terms and conditions of the leases and the credit quality of the tenants, if applicable. We generally require that the properties securing these real estate loans have debt service coverage ratios (the ratio of earnings before interest, income taxes, depreciation and amortization divided by interest expense and current maturities of long term debt) of at least 1.15 times. Environmental surveys are required for commercial real estate loans when environmental risks are identified. Generally, commercial real estate loans made to corporations, partnerships and other business entities require personal guarantees by the principals and by the owners of 20% or more of the borrower.

A commercial real estate borrower's financial information is monitored on an ongoing basis by requiring periodic financial statement updates, payment history reviews and periodic face-to-face meetings with the borrower. We generally require borrowers with aggregate outstanding balances exceeding \$1.0 million to provide annual updated financial statements and federal tax returns. These requirements also apply to all guarantors on these loans. We also require borrowers to provide an annual report of income and expenses for the property, including a tenant list and copies of leases, as applicable. The average commercial real estate loan in our portfolio at December 31, 2018 was \$842,000, and the largest outstanding balance at that date was \$8.8 million.

Commercial Loans. Commercial loans totaled \$32.8 million at December 31, 2018, or 2.4% of total loans, and are made up of loans secured by accounts receivable, inventory, equipment and real estate. Commercial loans originated for investment during the year ended December 31, 2018 totaled \$6.2 million, or 1.6% of all loans originated.

Our commercial loans are generally made to borrowers that are located in our primary market area. Working capital lines of credit are granted for the purpose of carrying inventory and accounts receivable or purchasing equipment. These lines require that certain collateral levels must be maintained and are monitored on a monthly or quarterly basis. Working capital lines of credit are short-term loans of 12 months or less with variable interest rates. At December 31, 2018, the unadvanced portion of working capital lines of credit totaled \$16.8 million. Outstanding balances fluctuate up to the maximum commitment amount based on fluctuations in the balance of the underlying collateral. Personal property loans secured by equipment are considered commercial business loans and are generally made for terms of up to 84 months and for up to 80% of the value of the underlying collateral. Interest rates on equipment loans may be either fixed or variable. Commercial business loans are generally variable rate loans with initial fixed rate periods of up to five years.

A commercial business borrower's financial information is monitored on an ongoing basis by requiring periodic financial statement updates, usually quarterly, payment history reviews and periodic face-to-face meetings with the borrower. The average outstanding commercial loan at December 31, 2018 was \$220,000 and the largest outstanding balance on that date was \$6.5 million.

The following table shows loan origination, principal repayment activity, transfers to real estate owned, charge-offs and sales during the years indicated.

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	As of or for the Year Ended December		
	31,		
	2018	2017	2016
	(In Thousands)		
Total gross loans receivable and held for sale at beginning of year	\$1,441,710	\$1,403,132	\$1,281,450
Real estate loans originated for investment:			
Residential			
One- to four-family	126,601	117,747	78,045
Multi-family	123,107	108,380	118,072
Home equity	4,613	5,430	5,037
Construction and land	66,265	2,270	5,878
Commercial real estate	58,176	61,684	35,443
Total real estate loans originated for investment	378,762	295,511	242,475
Consumer loans originated for investment	142	80	-
Commercial loans originated for investment	6,221	19,610	11,692
Total loans originated for investment	385,125	315,201	254,167
Principal repayments	(297,162 )	(197,623 )	(185,020 )
Transfers to real estate owned	(545 )	(2,171 )	(4,590 )
Loan principal charged-off	(84 )	(1,477 )	(1,607 )
Net activity in loans held for investment	87,334	113,930	62,950
Loans originated for sale	2,509,827	2,458,370	2,378,926
Loans sold	(2,518,107)	(2,533,722)	(2,320,194)
Net activity in loans held for sale	(8,280 )	(75,352 )	58,732
Total gross loans receivable and held for sale at end of year	\$1,520,764	\$1,441,710	\$1,403,132



**Origination and Servicing of Loans.** All loans originated for investment are underwritten pursuant to internally developed policies and procedures. While we generally underwrite owner-occupied residential mortgage loans to Freddie Mac and Fannie Mae standards, due to several unique characteristics, our loans originated prior to 2008 do not conform to the secondary market standards. The unique features of these loans include interest payments in advance of the month in which they are earned and discretionary rate adjustments that are not tied to an independent index.

Exclusive of our mortgage banking operations, we retain in our portfolio all of the loans that we originate. At December 31, 2018, WaterStone Bank was not servicing any loan it originated and subsequently sold to unrelated third parties. Loan servicing includes collecting and remitting loan payments, accounting for principal and interest, contacting delinquent mortgagors, supervising foreclosures and property dispositions in the event of unremedied defaults, making certain insurance and tax payments on behalf of the borrowers and generally administering the loans.

**Loan Approval Procedures and Authority.** WaterStone Bank's lending activities follow written, non-discriminatory, underwriting standards and loan origination procedures established by WaterStone Bank's board of directors. The loan approval process is intended to assess the borrower's ability to repay the loan, the viability of the loan and the adequacy of the value of the property that will secure the loan, if applicable. To assess the borrower's ability to repay, we review the employment and credit history and information on the historical and projected income and expenses of borrowers.

Loan officers, with concurrence from independent credit officers and underwriters, are authorized to approve and close any loan that qualifies under WaterStone Bank underwriting guidelines within the following lending limits:

A secured one- to four-family mortgage loan up to \$500,000 for a borrower with total outstanding loans from us of less than \$1.0 million that is independently underwritten can be approved by select loan officers.

A loan up to \$500,000 for a borrower with total outstanding loans from us of less than \$500,000 can be approved by select commercial loan officers.

Any secured mortgage loan ranging from \$500,001 to \$3,000,000 or any new loan to a borrower with outstanding loans from us exceeding \$1.0 million must be approved by the Officer Loan Committee.

Any non-real estate loan ranging from \$500,001 to \$3,000,000 or any new non-real estate loan to a borrower with outstanding loans exceeding \$500,000 must be approved by the Officer Loan Committee.

Any new loan over \$3.0 million must be approved by the Officer Loan Committee and the board of directors prior to closing. Any new loan to a borrower with outstanding loans from us exceeding \$10.0 million must be reviewed by the board of directors.

#### Asset Quality

When a loan becomes more than 30 days delinquent, WaterStone Bank sends a letter advising the borrower of the delinquency. The borrower is given a specific date by which delinquent payments must be made or by which they must contact WaterStone Bank to make arrangements to bring the loan current over a longer period of time. If the borrower fails to bring the loan current within the specified time period or to make arrangements to cure the delinquency over a longer period of time, the matter is referred to legal counsel and foreclosure or other collection proceedings are considered.

All loans are reviewed on a regular basis, and loans are placed on non-accrual status when they become 90 or more days delinquent. When loans are placed on non-accrual status, unpaid accrued interest is reversed, and further income

is recognized only to the extent received when collection of the remaining principal balance is reasonably assured.

Non-Performing Assets. Non-performing assets consist of non-accrual loans and other real estate owned. Loans are generally placed on non-accrual status when contractually past due 90 days or more as to interest or principal payments. Additionally, whenever management becomes aware of facts or circumstances that may adversely impact the collectability of principal or interest on loans, management may place such loans on non-accrual status immediately, rather than waiting until the loan becomes 90 days past due. At the time a loan is placed on non-accrual status, previously accrued and uncollected interest on such loans is reversed and additional income is recorded only to the extent that payments are received and the collection of principal is reasonably assured. Generally, loans are restored to accrual status when the obligation is brought current, has performed in accordance with the contractual terms for a reasonable period of time, and the ultimate collectability of the total contractual principal and interest is no longer in doubt.

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The table below sets forth the amounts and categories of our non-accrual loans and real estate owned at the dates indicated.

	At December 31,				
	2018	2017	2016	2015	2014
	(Dollars in Thousands)				
Non-accrual loans:					
Residential					
One- to four-family	\$4,902	\$4,677	\$7,623	\$13,888	\$23,918
Multi-family	1,309	1,007	1,427	2,553	12,001
Home equity	201	107	344	437	445
Construction and land	-	-	-	239	401
Commercial real estate	125	251	422	460	947
Commercial	18	26	41	27	299
Consumer	-	-	-	-	-
Total non-accrual loans	6,555	6,068	9,857	17,604	38,011
Real estate owned					
One- to four-family	163	1,330	2,141	4,610	10,896
Multi-family	-	-	-	209	2,210
Construction and land	3,327	4,582	5,082	5,262	5,400
Commercial real estate	300	300	300	300	300
Total real estate owned	3,790	6,212	7,523	10,381	18,806
Valuation allowance at end of period	(1,638)	(1,654)	(1,405)	(1,191)	(100)
Total real estate owned, net	2,152	4,558	6,118	9,190	18,706
Total non-performing assets	\$8,707	\$10,626	\$15,975	\$26,794	\$56,817
Total non-accrual loans to total loans, net	0.48	% 0.47	% 0.84	% 1.58	% 3.47
Total non-accrual loans to total assets	0.34	% 0.34	% 0.55	% 1.00	% 2.13
Total non-performing assets to total assets	0.45	% 0.59	% 0.89	% 1.52	% 3.18

All loans that meet or exceed 90 days with respect to past due principal and interest are recognized as non-accrual. Troubled debt restructurings which are still on non-accrual status either due to being past due 90 days or greater, or which have not yet performed under the modified terms for a reasonable period of time, are included in the table above. In addition, loans which are past due less than 90 days are evaluated to determine the likelihood of collectability given other credit risk factors such as early stage delinquency, the nature of the collateral or the results of a borrower fiscal review. When the collection of all contractual principal and interest is determined to be unlikely, the loan is moved to non-accrual status and an updated appraisal of the underlying collateral is ordered. This process generally takes place between contractual past due dates 60 and 90 days. Upon determining the updated estimated value of the collateral, a loan loss provision is recorded to establish a specific reserve to the extent that the outstanding principal balance exceeds the updated estimated net realizable value of the collateral. When a loan is determined to be uncollectible, generally coinciding with the initiation of foreclosure action, the specific reserve is reviewed for adequacy, adjusted if necessary, and charged-off.

The following table sets forth activity in our non-accrual loans for the years indicated.

	At and for the Year Ended December 31,				
	2018	2017	2016	2015	2014
	(Dollars in Thousands)				

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Balance at beginning of year	\$6,068	\$9,857	\$17,604	\$38,011	\$50,961
Additions	3,147	3,149	3,114	10,165	21,585
Transfers to real estate owned	(545 )	(2,171 )	(4,590 )	(15,580 )	(16,645 )
Charge-offs	(6 )	(766 )	(667 )	(3,809 )	(7,099 )
Returned to accrual status	(777 )	(2,716 )	(4,183 )	(5,824 )	(4,470 )
Principal paydowns and other	(1,332 )	(1,285 )	(1,421 )	(5,359 )	(6,321 )
Balance at end of year	\$6,555	\$6,068	\$9,857	\$17,604	\$38,011

Total non-accrual loans increased by \$487,000, or 8.0%, to \$6.6 million as of December 31, 2018 compared to \$6.1 million as of December 31, 2017. The ratio of non-accrual loans to total loans receivable was 0.48% at December 31, 2018 compared to 0.47% at December 31, 2017. During the year ended December 31, 2018, \$545,000 was transferred to real estate owned, \$6,000 in loan principal was charged off, \$1.3 million in principal payments were received and \$777,000 in loans were returned to accrual status. Offsetting this activity, \$3.1 million in loans were placed on non-accrual status during the year ended December 31, 2018.

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Of the \$6.6 million in total non-accrual loans as of December 31, 2018, \$5.4 million in loans have been specifically reviewed to assess whether a specific valuation allowance is necessary. A specific valuation allowance is established for an amount equal to the impairment when the carrying value of the loan exceeds the present value of expected future cash flows, discounted at the loan's original effective interest rate or the fair value of the underlying collateral with an adjustment made for costs to dispose of the asset. Based upon these specific reviews, a total of \$1.5 million in partial charge-offs have been recorded with respect to these loans as of December 31, 2018. Partially charged-off loans measured for impairment based upon net realizable collateral value are maintained in a "non-performing" status and are disclosed as impaired loans. In addition, specific reserves totaling \$113,000 have been recorded as of December 31, 2018. The remaining \$1.1 million of non-accrual loans were reviewed on an aggregate basis and \$224,000 in general valuation allowance was deemed necessary related to those loans as of December 31, 2018. The \$224,000 in general valuation allowance is based upon a migration analysis performed with respect to similar non-accrual loans in prior periods.

The outstanding principal balance of our five largest non-accrual loans as of December 31, 2018 totaled \$1.9 million, which represents 28.6% of total non-accrual loans as of that date. These five loans did not have any charge-offs or require any specific valuation allowances as of December 31, 2018.

For the year ended December 31, 2018, gross interest income that would have been recorded had our non-accruing loans been current in accordance with their original terms was \$497,000. We received \$376,000 of interest payments on such loans during the year ended December 31, 2018. Interest payments received are treated as interest income on a cash basis as long as the remaining book value of the loan (i.e., after charge-off of all identified losses) is deemed to be fully collectible. If the remaining book value is not deemed to be fully collectible, all payments received are applied to unpaid principal. Determination as to the ultimate collectability of the remaining book value is supported by an updated credit department evaluation of the borrower's financial condition and prospects for repayment, including consideration of the borrower's sustained historical repayment performance and other relevant factors.

There were no accruing loans past due 90 days or more during the years ended December 31, 2018, 2017 or 2016.

Troubled Debt Restructurings. The following table summarizes troubled debt restructurings by the Company's internal risk rating.

	At December 31,				
	2018	2017	2016	2015	2014
	(Dollars in Thousands)				
Troubled debt restructurings					
Substandard	\$4,256	\$5,035	\$7,025	\$14,436	\$22,629
Watch	2,476	47	3,112	3,103	3,488
Total troubled debt restructurings	\$6,732	\$5,082	\$10,137	\$17,539	\$26,117

Troubled debt restructurings totaled \$6.7 million at December 31, 2018, compared to \$5.1 million at December 31, 2017. At December 31, 2018, \$6.2 million of troubled debt restructurings, or 91.9%, were performing in accordance with their restructured terms. All troubled debt restructurings are considered to be impaired and are risk rated as either substandard or watch and are included in the internal risk rating tables disclosed in the notes to the consolidated financial statements. Specific reserves have been established to the extent that the collateral-based impairment analyses indicate that a collateral shortfall exists or to the extent that a discounted cash flow analysis results in an impairment.

We do not participate in government-sponsored troubled debt restructuring programs. Our troubled debt restructurings are short-term modifications. Typical initial restructured terms include six to twelve months of principal forbearance, a reduction in interest rate or both. Restructured terms do not include a reduction of the

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outstanding principal balance unless mandated by a bankruptcy court. Troubled debt restructuring terms may be renewed or further modified at the end of the initial term for an additional period if performance has been acceptable and the short-term borrower difficulty persists.

Information with respect to the accrual status of our troubled debt restructurings is provided in the following table.

	At December 31,		2017	
	2018		Accruing	Non-accruing
	Accruing	Non-accruing	Accruing	Non-accruing
	(In Thousands)			
One- to four-family	\$2,740	\$ 844	\$2,740	\$ 1,156
Multi-family	-	372	-	815
Home equity	-	-	47	-
Construction and land	-	-	-	-
Commercial real estate	2,759	17	290	34
	\$5,499	\$ 1,233	\$3,077	\$ 2,005

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The following table sets forth activity in our troubled debt restructurings for the years indicated.

	At or for the Year Ended December 31,			
	2018		2017	
	Accruing	Non-accruing	Accruing	Non-accruing
	(In Thousands)			
Balance at beginning of year	\$3,077	\$ 2,005	\$6,154	\$ 3,983
Additions	2,476	-	-	-
Change in accrual status	-	-	-	-
Charge-offs	-	-	-	-
Returned to contractual/market terms	(46 )	-	(3,063)	(1,756 )
Transferred to real estate owned	-	-	-	-
Principal paydowns and other	(8 )	(772 )	(14 )	(222 )
Balance at end of period	\$5,499	\$ 1,233	\$3,077	\$ 2,005

For the year ended December 31, 2018, gross interest income that would have been recorded had our troubled debt restructurings been current in accordance with their contractual terms was \$507,000. We received \$491,000 of interest payments on such loans during the year ended December 31, 2018. Interest payments received on non-accrual troubled debt restructurings are treated as interest income on a cash basis as long as the remaining book value of the loan (i.e., after charge-off of all identified losses) is deemed to be fully collectible. If the remaining book value is not deemed to be fully collectible, all payments received are applied to unpaid principal. Determination as to the ultimate collectability of the remaining book value is supported by an updated credit department evaluation of the borrower's financial condition and prospects for repayment, including consideration of the borrower's sustained historical repayment performance and other relevant factors.

If a restructured loan is current in all respects and a minimum of six consecutive restructured payments have been received, it can be considered for return to accrual status. After a restructured loan that is current in all respects reverts to contractual/market terms, if a credit department review indicates no evidence of elevated market risk, the loan is removed from the troubled debt restructuring classification.

Loan Delinquency. The following table summarizes loan delinquency in total dollars and as a percentage of the total loan portfolio:

	At December 31,	
	2018	2017
	(Dollars in Thousands)	
Loans past due less than 90 days	\$1,925	\$1,878
Loans past due 90 days or more	5,025	3,974
Total loans past due	\$6,950	\$5,852
Total loans past due to total loans receivable	0.50 %	0.45 %

Past due loans increased by \$1.1 million, or 18.8%, to \$7.0 million at December 31, 2018 from \$5.9 million at December 31, 2017. Loans past due 90 days or more increased by \$1.1 million, or 26.4%, during the year ended December 31, 2018 and loans past due less than 90 days increased by \$47,000, or 2.5%. The \$1.1 million increase in loans past due 90 days or more was primarily due to an increase in the one- to four-family real estate loans of \$318,000 and an increase in the multi family loans of \$745,000 during the year ended December 31, 2018.

**Potential Problem Loans.** We define potential problem loans as substandard loans which are still accruing interest. We do not necessarily expect to realize losses on potential problem loans, but we recognize potential problem loans carry a higher probability of default and require additional attention by management. The aggregate principal amounts of potential problem loans as of December 31, 2018 and 2017 were \$4.5 million and \$5.5 million, respectively. Management believes it has established an adequate allowance for probable loan losses as appropriate under generally accepted accounting principles.

**Real Estate Owned.** Total real estate owned decreased by \$2.4 million, or 52.8%, to \$2.2 million at December 31, 2018, compared to \$4.6 million at December 31, 2017. During the year ended December 31, 2018, \$545,000 was transferred from loans to real estate owned upon completion of foreclosure. During the same period, sales of real estate owned totaled \$2.6 million. Write-downs totaled \$309,000 during the year ended December 31, 2018.

New appraisals received on real estate owned and collateral dependent impaired loans are based upon an "as is value" assumption. During the period of time in which we are awaiting receipt of an updated appraisal, loans evaluated for impairment based upon collateral value are measured by the following:

Applying an updated adjustment factor to an existing appraisal;

Confirming that the physical condition of the real estate has not significantly changed since the last valuation date;

Comparing the estimated current value of the collateral to that of updated sales values experienced on similar collateral;

Comparing the estimated current value of the collateral to that of updated values seen on current appraisals of similar collateral; and

Comparing the estimated current value to that of updated listed sales prices on our real estate owned and that of similar properties (not owned by the Company).



We owned 12 properties at December 31, 2018, compared to 33 properties as of December 31, 2017 and 30 properties at December 31, 2016. Habitable real estate owned is managed with the intent of attracting a lessee to generate revenue. Foreclosed properties are transferred to real estate owned at estimated net realizable value, with charge-offs, if any, charged to the allowance for loan losses upon transfer to real estate owned. The fair value is primarily based upon updated appraisals in addition to an analysis of current real estate market conditions.

#### Allowance for Loan Losses

We establish valuation allowances on loans that are deemed to be impaired. A loan is considered impaired when, based on current information and events, it is probable that we will not be able to collect all amounts due according to the contractual terms of the loan agreement. A valuation allowance is established for an amount equal to the impairment when the carrying amount of the loan exceeds the present value of the expected future cash flows, discounted at the loan's original effective interest rate or the fair value of the underlying collateral.

We also establish valuation allowances based on an evaluation of the various risk components that are inherent in the loan portfolio. The risk components that are evaluated include past loan loss experience; the level of non-performing and classified assets; current economic conditions; volume, growth, and composition of the loan portfolio; adverse situations that may affect the borrower's ability to repay; the estimated value of any underlying collateral; regulatory guidance; and other relevant factors. The allowance is increased by provisions charged to earnings and recoveries of previously charged-off loans and reduced by charge-offs. The appropriateness of the allowance for loan losses is reviewed and approved quarterly by the WaterStone Bank board of directors. The allowance reflects management's best estimate of the amount needed to provide for the probable loss on impaired loans and other inherent losses in the loan portfolio, and is based on a risk model developed and implemented by management and approved by the WaterStone Bank board of directors.

Actual results could differ from this estimate, and future additions to the allowance may be necessary based on unforeseen changes in loan quality and economic conditions. In addition, the Federal Deposit Insurance Corporation and the WDFI, as an integral part of their examination process, periodically review WaterStone Bank's allowance for loan losses. Such regulators have the authority to require WaterStone Bank to recognize additions to the allowance based on their judgments of information available to them at the time of their review or examination.

Any loan that is 90 or more days past due is placed on non-accrual and classified as a non-performing loan. A loan is classified as impaired when it is probable that we will be unable to collect all amounts due in accordance with the terms of the loan agreement. Non-performing loans are then evaluated and accounted for in accordance with generally accepted accounting principles.

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The following table sets forth activity in our allowance for loan losses for the years indicated.

	At or for the Year Ended December 31,				
	2018	2017	2016	2015	2014
	(Dollars in Thousands)				
Balance at beginning of year	\$14,077	\$16,029	\$16,185	\$18,706	\$24,264
Provision (credit) for loan losses	(1,060)	(1,166)	380	1,965	1,150
Charge-offs:					
Mortgage loans					
One- to four-family	69	1,364	1,003	3,855	2,424
Multi-family	14	92	489	2,281	5,247
Home equity	1	-	112	72	191
Construction and land	-	14	3	84	496
Commercial real estate	-	7	-	45	199
Consumer	-	-	-	3	5
Commercial	-	-	-	-	293
Total charge-offs	84	1,477	1,607	6,340	8,855
Recoveries:					
Mortgage loans					
One- to four-family	159	293	811	649	1,833
Multi-family	89	208	152	992	189
Home equity	26	26	36	110	14
Construction and land	40	162	72	58	75
Commercial real estate	2	1	-	40	27
Consumer	-	1	-	5	6
Commercial	-	-	-	-	3
Total recoveries	316	691	1,071	1,854	2,147
Net (recoveries) charge-offs	(232)	786	536	4,486	6,708
Allowance at end of year	\$13,249	\$14,077	\$16,029	\$16,185	\$18,706
Ratios:					
Allowance for loan losses to non-performing loans at end of year	202.12%	231.99%	162.62%	91.94%	49.21%
Allowance for loan losses to loans outstanding at end of year	0.96%	1.09%	1.36%	1.45%	1.71%
Net (recoveries) charge-offs to average loans outstanding	(0.02)%	0.06%	0.05%	0.37%	0.55%
Current year provision (credit) for loan losses to net (recoveries) charge-offs	456.90%	(148.35)%	70.90%	43.80%	17.14%
Net (recoveries) charge-offs to beginning of the year allowance	(1.65)%	4.90%	3.31%	23.98%	27.65%

Allocation of Allowance for Loan Losses. The following table sets forth the allowance for loan losses allocated by loan category, the total loan balances by category, and the percent of loans in each category to total loans at the dates indicated. The allowance for loan losses allocated to each category is not necessarily indicative of future losses in any particular category and does not restrict the use of the allowance to absorb losses in other categories.

At December 31,	2017	2016
2018		

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	% of Loans	% of Allowance in	% of Loans	% of Allowance in	% of Loans	% of Allowance in
Allowance for Loan Losses (Dollars in Thousands)	Category to Total Loans	Category to Total Allowance	Category to Total Loans	Category to Total Loans	Category to Total Loans	Category to Total Allowance

Real Estate:

Residential

One- to

four-family

\$5,742	35.53 %	43.34 %	\$5,794	34.03 %	41.16 %	\$7,164	33.35 %	44.69 %
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Multi-family

4,153	43.29 %	31.35 %	4,431	44.77 %	31.48 %	4,809	47.42 %	30.00 %
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Home equity

325	1.45 %	2.45 %	356	1.64 %	2.53 %	364	1.85 %	2.27 %
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Construction

400	0.97 %	3.02 %	949	1.54 %	6.74 %	1,016	1.54 %	6.34 %
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and land

400	0.97 %	3.02 %	949	1.54 %	6.74 %	1,016	1.54 %	6.34 %
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Commercial

2,126	16.35 %	16.05 %	1,881	15.16 %	13.36 %	1,951	13.53 %	12.17 %
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real estate

2,126	16.35 %	16.05 %	1,881	15.16 %	13.36 %	1,951	13.53 %	12.17 %
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Commercial

483	2.38 %	3.65 %	656	2.84 %	4.66 %	713	2.28 %	4.45 %
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Consumer

20	0.03 %	0.15 %	10	0.02 %	0.07 %	12	0.03 %	0.07 %
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Total

20	0.03 %	0.15 %	10	0.02 %	0.07 %	12	0.03 %	0.07 %
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allowance for

20	0.03 %	0.15 %	10	0.02 %	0.07 %	12	0.03 %	0.07 %
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loan losses

\$13,249	100.00 %	100.00 %	\$14,077	100.00 %	100.00 %	\$16,029	100.00 %	100.00 %
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	At December 31, 2015			2014		
	Allowance for Loan Losses	% of Loans in Category to Total Loans	% of Allowance in Category to Total Allowance	Allowance for Loan Losses	% of Loans in Category to Total Loans	% of Allowance in Category to Total Allowance
(Dollars In Thousands)						
Real Estate:						
Residential						
One- to four-family	\$7,763	34.26 %	47.96 %	\$9,877	37.62 %	52.80 %
Multi-family	5,000	49.08 %	30.89 %	5,358	47.70 %	28.64 %
Home equity	433	2.18 %	2.68 %	422	2.67 %	2.26 %
Construction and land	904	1.72 %	5.59 %	687	1.56 %	3.67 %
Commercial real estate	1,680	10.66 %	10.38 %	1,951	8.65 %	10.43 %
Commercial	396	2.07 %	2.45 %	403	1.78 %	2.15 %
Consumer	9	0.03 %	0.06 %	8	0.02 %	0.04 %
Total allowance for loan losses	\$16,185	100.00 %	100.00 %	\$18,706	100.00 %	100.00 %

All impaired loans meeting the criteria established by management are evaluated individually, based primarily on the value of the collateral securing each loan and the ability of the borrowers to repay according to the terms of the loans, or based upon an analysis of the present value of the expected future cash flows under the original contract terms as compared to the modified terms in the case of certain troubled debt restructurings. Specific loss allowances are established as required by this analysis. At least once each quarter, management evaluates the appropriateness of the balance of the allowance for loan losses based on several factors some of which are not loan specific, but are reflective of the inherent losses in the loan portfolio. This process includes, but is not limited to, a periodic review of loan collectability in light of historical experience, the nature and volume of loan activity, conditions that may affect the ability of the borrower to repay, underlying value of collateral and economic conditions in our immediate market area. All loans for which a specific loss review is not required are segregated by loan type and a loss allowance is established by using loss experience data and management's judgment concerning other matters it considers significant including trends in non-performing loan balances, impaired loan balances, classified asset balances and the current economic environment. The allowance is allocated to each category of loans based on the results of the above analysis.

Our underwriting policies and procedures emphasize that credit decisions must rely on both the credit quality of the borrower and the estimated value of the underlying collateral. Credit quality is assured only when the estimated value of the collateral is objectively determined and is not subject to significant fluctuation.

The allowance for loan losses has been determined in accordance with GAAP. We are responsible for the timely and periodic determination of the amount of the allowance required. Any future provisions for loan losses will continue to be based upon our assessment of the overall loan portfolio and the underlying collateral, trends in non-performing loans, current economic conditions and other relevant factors. To the best of management's knowledge, all probable losses have been provided for in the allowance for loan losses.

The establishment of the amount of the loan loss allowance inherently involves judgments by management as to the appropriateness of the allowance, which ultimately may or may not be correct. Higher than anticipated rates of loan default would likely result in a need to increase provisions in future years.

At December 31, 2018, the allowance for loan losses was \$13.2 million, compared to \$14.1 million at December 31, 2017. As of December 31, 2018, the allowance for loan losses to total loans receivable was 0.96% and 202.12% of non-performing loans, compared to 1.09%, and 231.99%, respectively at December 31, 2017. The decrease in the allowance for loan losses during the year ended December 31, 2018 reflects a continued stabilization in the quality of the loan portfolio and continued improvement in the overall risk profile of the loan portfolio.

Net recoveries totaled \$232,000, or 0.02% of average loans for the year ended December 31, 2018, compared to net charge-offs \$786,000, or 0.06% of average loans for the year ended December 31, 2017. The \$1.0 million decrease in net charge-offs was primarily the result of a decrease in charge-offs in the one- to four-family loan category offset primarily by decreases in recoveries in the multi-family and construction and land loan categories. Net charge-offs related to loans secured by one- to four-family residential loans decreased \$1.2 million, or 108.4%, to \$90,000 in net recoveries for year ended December 31, 2018, as compared to net charge-offs of \$1.1 million for the year ended December 31, 2017. Partially offsetting the decrease, net recoveries related to loans secured by multi-family residential loans decreased \$41,000, or 35.3%, to net recoveries of \$75,000 for year ended December 31, 2018, as compared to net recoveries of \$116,000 for the year ended December 31, 2017. Net recoveries related to loans secured by construction and land loans decreased \$108,000, or 73.0%, to net recoveries of \$40,000 for year ended December 31, 2018, as compared to recoveries of \$148,000 for the year ended December 31, 2017.

#### Mortgage Banking Activity

In addition to the lending activities previously discussed, we also originate single-family residential mortgage loans for sale in the secondary market through Waterstone Mortgage Corporation. Waterstone Mortgage Corporation originated \$2.60 billion in mortgage loans held for sale during the year ended December 31, 2018, which was an increase of \$52.2 million, or 2.0%, from the \$2.55 billion originated during the year ended December 31, 2017. The increase in loan production volume was driven by a 4.1% increase in mortgage purchase products partially offset by a 14.0% decrease in refinance products. Total mortgage banking income decreased \$6.7 million, or 5.5%, to \$115.4 million during the year ended December 31, 2018 compared to \$122.1 million during the year ended December 31, 2017. The decrease in total mortgage banking income is due in part to a decrease in margin of approximately 7.9% for the year ended December 31, 2018 compared to December 31, 2017. We sell loans on both a servicing-released and a servicing retained basis. Waterstone Mortgage Corporation has contracted with a third party to service the loans for which we retain servicing.

Our overall margin can be affected by the mix of both loan type (conventional loans versus governmental) and loan purpose (purchase versus refinance). Conventional loans include loans that conform to Fannie Mae and Freddie Mac standards, whereas governmental loans are those loans guaranteed by the federal government, such as a Federal Housing Authority or U.S. Department of Agriculture loan. Loans originated for the purchase of a residential property, which generally yield a higher margin than loans originated for refinancing existing loans, comprised 90.6% of total originations during the year ended December 31, 2018, compared to 88.8% of total originations during the year ended December 31, 2017. The mix of loan type trended towards more conventional loans and less governmental loans comprising 69.7% and 30.3% of all loan originations, respectively, during the year ended December 31, 2018, compared to 64.5% and 35.5% of all loan originations, respectively, during the year ended December 31, 2017.

#### Investment Activities

Wauwatosa Investments, Inc. is WaterStone Bank's investment subsidiary headquartered in the State of Nevada. Wauwatosa Investments, Inc. manages the back office function for WaterStone Bank's investment portfolio. Our Chief Financial Officer and Treasury Officer are responsible for executing purchases and sales in accordance with our investment policy and monitoring the investment activities of Wauwatosa Investments, Inc. The investment policy is reviewed annually by management and changes to the policy are recommended to and subject to the approval of our board of directors. Authority to make investments under the approved investment policy guidelines is delegated by the board to designated employees. While general investment strategies are developed and authorized by management, the execution of specific actions rests with the Chief Financial Officer and Treasury Officer who may act jointly in performing security trades. The Chief Financial Officer and Treasury Officer are responsible for ensuring that the guidelines and requirements included in the investment policy are followed and that all securities are considered prudent for investment. The Chief Financial Officer and the Treasury Officer are authorized to execute investment transactions (purchases and sales) without the prior approval of the board provided they are within the scope of the established investment policy.

Our investment policy requires that all securities transactions be conducted in a safe and sound manner. Investment decisions are based upon a thorough analysis of each security instrument to determine its quality, inherent risks, fit within our overall asset/liability management objectives, effect on our risk-based capital measurement and prospects for yield and/or appreciation.

Consistent with our overall business and asset/liability management strategy, which focuses on sustaining adequate levels of core earnings, our investment portfolio is comprised primarily of securities that are classified as available for sale. During the year ended December 31, 2018, no investment securities were sold. During the year ended December 31, 2017, one municipal security with a total book value of \$555,000 was sold at a loss of \$107,000. During the year ended December 31, 2016, no investment securities were sold.

#### Available for Sale Portfolio

**Mortgage-backed Securities and Collateralized Mortgage Obligations.** We purchase mortgage-backed securities and collateralized mortgage obligations guaranteed by Fannie Mae, Freddie Mac and Ginnie Mae. We invest in mortgage-backed securities and collateralized mortgage obligations to achieve positive interest rate spreads with minimal administrative expense, and to lower our credit risk. We regularly monitor the credit quality of this portfolio.

Mortgage-backed securities and collateralized mortgage obligations are created by the pooling of mortgages and the issuance of a security. These securities typically represent a participation interest in a pool of single-family or multi-family mortgages, although we focus our investments on mortgage related securities backed by one- to four-family mortgages. The issuers of such securities pool and resell the participation interests in the form of securities to investors such as WaterStone Bank, and in the case of government agency sponsored issues, guarantee the payment of principal and interest to investors. Mortgage-backed securities and collateralized mortgage obligations

generally yield less than the loans that underlie such securities because of the cost of payment guarantees, if any, and credit enhancements. These fixed-rate securities are usually more liquid than individual mortgage loans.

At December 31, 2018, mortgage-backed securities totaled \$41.6 million. The mortgage-backed securities portfolio had a weighted average yield of 2.58% and a weighted average remaining life of 4.2 years at December 31, 2018. The estimated fair value of our mortgage-backed securities portfolio at December 31, 2018 was \$474,000 less than the amortized cost of \$42.1 million. Mortgage-backed securities valued at \$1.8 million were pledged as collateral for mortgage banking activities as of December 31, 2018. Investments in mortgage-backed securities involve a risk that actual prepayments may differ from estimated prepayments over the life of the security, which may require adjustments to the amortization of any premium or accretion of any discount relating to such instruments, thereby changing the net yield on such securities. There is also reinvestment risk associated with the cash flows from such securities or if such securities are redeemed by the issuer. In addition, the market value of such securities may be adversely affected in a rising interest rate environment, particularly since all of our mortgage-backed securities have a fixed rate of interest. The relatively short weighted average remaining life of our mortgage-backed security portfolio mitigates our potential risk of loss in a rising interest rate environment.

At December 31, 2018, collateralized mortgage obligations totaled \$75.0 million. At December 31, 2018, the collateralized mortgage obligations portfolio consisted entirely of securities backed by government sponsored enterprises or U.S. Government agencies. The collateralized mortgage obligations portfolio had a weighted average yield of 2.65% and a weighted average remaining life of 3.2 years at December 31, 2018. The estimated fair value of our collateralized mortgage obligations portfolio at December 31, 2018 was \$968,000 less than the amortized cost of \$75.9 million. Investments in collateralized mortgage obligations involve a risk that actual prepayments may differ from estimated prepayments over the life of the security, which may require adjustments to the amortization of any premium or accretion of any discount relating to such instruments, thereby changing the net yield on such securities. There is also reinvestment risk associated with the cash flows from such securities or if such securities are redeemed by the issuer. In addition, the market value of such securities may be adversely affected in a rising interest rate environment, particularly since all of our collateralized mortgage obligations have a fixed rate of interest. The relatively short weighted average remaining life of our collateralized mortgage obligation portfolio mitigates our potential risk of loss in a rising interest rate environment.

**Municipal Obligations.** These securities consist of obligations issued by school districts, counties and municipalities or their agencies and include general obligation bonds, industrial development revenue bonds and other revenue bonds. Our investment policy requires that such municipal obligations be rated A+ or better by a nationally recognized rating agency at the date of purchase. A security that is downgraded below investment grade will require additional analysis of creditworthiness and a determination will be made to hold or dispose of the investment. We regularly monitor the credit quality of this portfolio. At December 31, 2018, our municipal obligations portfolio totaled \$55.9 million, all of which was classified as available for sale. The weighted average yield on this portfolio was 2.37% at December 31, 2018, with a weighted average remaining life of 5.2 years. The estimated market value of our municipal obligations bond portfolio at December 31, 2018 was \$706,000 more than the amortized cost of \$55.2 million.

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As of December 31, 2018, the Company identified one municipal security that was deemed to be other-than-temporarily impaired. The security was issued by a tax incremental district in a municipality located in Wisconsin. During the year ended December 31, 2012, the Company received audited financial statements with respect to the municipal issuer that called into question the ability of the underlying taxing district that issued the securities to operate as a going concern. During the year ended December 31, 2012, the Company's analysis of the security in this municipality resulted in \$77,000 in credit losses that were charged to earnings with respect to this municipal security. An additional \$17,000 credit loss was charged to earnings during the year ended December 31, 2014 with respect to this security as a sale occurred at a discounted price. As of December 31, 2018, the remaining impaired bond had an amortized cost of \$116,000 and a total life-to-date impairment of \$94,000.

**Other Debt Securities.** As of December 31, 2018, we held other debt securities with a fair value of \$13.2 million and amortized cost of \$15.0 million. Other debt securities consist of corporate bonds. The weighted average yield on this portfolio was 3.56% at December 31, 2018, with a weighted average remaining life of 7.8 years. We regularly monitor the credit quality of this portfolio.

**Investment Securities Portfolio.**

The following table sets forth the carrying values of our available for sale securities portfolio at the dates indicated.

	At December 31, 2018		2017		2016	
	Amortized Cost	Fair Value	Amortized Cost	Fair Value	Amortized Cost	Fair Value
(In Thousands)						
Securities available for sale:						
Mortgage-backed securities	\$42,105	\$41,631	\$57,351	\$57,435	\$72,858	\$73,413
Collateralized mortgage obligations						
Government sponsored enterprise issued	75,923	74,955	61,313	60,500	62,297	62,002
Government sponsored enterprise bonds	-	-	2,500	2,497	2,500	2,503
Municipal obligations	55,242	55,948	62,516	63,769	70,311	70,696
Other debt securities	15,002	13,186	15,005	14,525	17,399	16,950
Certificates of deposit	-	-	980	981	1,225	1,231
Total securities available for sale	\$188,272	\$185,720	\$199,665	\$199,707	\$226,590	\$226,795

The following table sets forth, by issuer, the amortized cost and estimated fair value of our investments in a single issuer, as of December 31, 2018, that exceeded 10% of our stockholders' equity as of that date.

	At December 31, 2018	
	Amortized Cost	Fair Value
(In Thousands)		
Fannie Mae	\$68,187	\$67,196
Freddie Mac	41,821	41,527



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Portfolio Maturities and Yields. The composition and maturities of the securities portfolio at December 31, 2018 are summarized in the following table. Maturities are based on the final contractual payment dates and do not reflect the impact of prepayments or early redemptions that may occur. Municipal obligation yields have not been adjusted to a tax-equivalent basis. Certain mortgage related securities have interest rates that are adjustable and will reprice annually within the various maturity ranges. These repricing schedules are not reflected in the table below.

	One Year or Less	Weighted Average Yield	More than One Year through Five Years	Weighted Average Yield	More than Five Years through Ten Years	Weighted Average Yield	More than Ten Years	Weighted Average Yield	Total Securities	Weighted Average Yield
	Amortized Cost		Amortized Cost		Amortized Cost		Amortized Cost		Amortized Cost	
	(Dollars in Thousands)									
Securities available for sale:										
Mortgage-backed securities	\$373	4.77 %	\$33,339	2.44 %	\$2,463	2.56 %	\$5,930	3.25 %	\$42,105	2.58 %
Collateralized mortgage obligations										
Government sponsored enterprise issued	152	2.90 %	69,772	2.66 %	5,999	2.53 %	-	-	75,923	2.65 %
Municipal obligations	1,990	1.61 %	20,891	1.96 %	31,754	2.65 %	607	4.35 %	55,242	2.37 %
Other debt securities	5,002	2.70 %	-	0.00 %	-	-	10,000	4.00 %	15,002	3.56 %
Total securities available for sale	\$7,517	2.51 %	\$124,002	2.48 %	\$40,216	2.62 %	\$16,537	3.74 %	\$188,272	2.63 %

Sources of Funds

General. Deposits have traditionally been our primary source of funds for use in lending and investment activities. We also rely on advances from the Federal Home Loan Bank of Chicago and borrowings from other commercial banks in the form of repurchase agreements collateralized by investment securities. In addition to deposits and borrowings, we derive funds from scheduled loan payments, investment maturities, loan prepayments, retained earnings and income on earning assets. While scheduled loan payments and income on earning assets are relatively stable sources of funds, deposit inflows and outflows can vary widely and are influenced by prevailing market interest rates, economic conditions and competition from other financial institutions.

Deposits. A majority of our depositors are persons or businesses who work, reside, or are located in Milwaukee and Waukesha Counties and, to a lesser extent, other southeastern Wisconsin communities. We offer a selection of deposit instruments, including checking, savings, money market deposit accounts, and fixed-term certificates of deposit. Deposit account terms vary, with the principal differences being the minimum balance required, the amount of time the funds must remain on deposit and the interest rate. As of December 31, 2018, certificates of deposit comprised 70.9% of total customer deposits, and had a weighted average cost of 2.01% on that date. Our reliance on certificates of deposit has resulted in a higher cost of funds than would otherwise be the case if demand deposits, savings and money market accounts made up a larger part of our deposit base. Development of our branch network and expansion of our commercial products and services and aggressively seeking lower cost savings, checking and money market

accounts are expected to result in decreased reliance on higher-cost certificates of deposit.

Interest rates paid, maturity terms, service fees and withdrawal penalties are established on a periodic basis. Deposit rates and terms are based primarily on current operating strategies and market rates, liquidity requirements, rates paid by competitors and growth goals. To attract and retain deposits, we rely upon personalized customer service, long-standing relationships and competitive interest rates. We also provide remote deposit capture, internet banking and mobile banking.

The flow of deposits is influenced significantly by general economic conditions, changes in money market and other prevailing interest rates and competition. The variety of deposit accounts that we offer allows us to be competitive in obtaining funds and responding to changes in consumer demand. Based on historical experience, management believes our deposits are relatively stable. The ability to attract and maintain money market accounts and certificates of deposit, and the rates paid on these deposits, has been and will continue to be significantly affected by market conditions. At December 31, 2018 and December 31, 2017, \$735.9 million and \$689.0 million of our deposit accounts were certificates of deposit, of which \$472.5 million and \$587.3 million, respectively, had maturities of one year or less.

Deposits increased by \$71.1 million, or 7.4%, from December 31, 2017 to December 31, 2018. The increase in deposits was the result of a \$46.9 million, or 6.8% increase in time deposits and a \$24.2 million, or 8.7%, increase in total transaction accounts. The Company had no deposits obtained directly from brokers as of December 31, 2018 and December 31, 2017.

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The following table sets forth the distribution of total deposit accounts, by account type, at the dates indicated.

	At December 31, 2018				2017				2016			
	Average Balance	Average Cost of Funds	Ending Weighted Average Yield	Average Balance	Average Cost of Funds	Ending Weighted Average Yield	Average Balance	Average Cost of Funds	Ending Weighted Average Yield	Average Balance	Average Cost of Funds	Ending Weighted Average Yield
(Dollars in Thousands)												
Deposit type:												
Demand deposits	\$96,648	0.00 %	0.00 %	\$89,785	0.00 %	0.00 %	\$76,016	0.00 %	0.00 %	\$76,016	0.00 %	0.00 %
NOW accounts	37,388	0.09 %	0.07 %	36,716	0.08 %	0.08 %	34,659	0.05 %	0.05 %	34,659	0.05 %	0.05 %
Savings	58,454	0.04 %	0.04 %	62,016	0.04 %	0.04 %	60,084	0.04 %	0.04 %	60,084	0.04 %	0.04 %
Money market	95,306	0.60 %	0.38 %	92,519	0.40 %	0.31 %	92,418	0.39 %	0.41 %	92,418	0.39 %	0.41 %
Total transaction accounts	287,796	0.22 %	0.16 %	281,036	0.15 %	0.12 %	263,177	0.15 %	0.16 %	263,177	0.15 %	0.16 %
Certificates of deposit	709,102	1.55 %	2.01 %	671,982	1.09 %	1.31 %	674,310	1.03 %	1.03 %	674,310	1.03 %	1.03 %
Total deposits	\$996,898	1.17 %	1.48 %	\$953,018	0.81 %	0.97 %	\$937,487	0.79 %	0.77 %	\$937,487	0.79 %	0.77 %

At December 31, 2018, the aggregate balance of certificates of deposit of \$100,000 or more was approximately \$289.5 million. The following table sets forth the maturity of those certificates at December 31, 2018.

	(In Thousands)
Due in:	
Three months or less	\$ 23,194
Over three months through six months	61,701
Over six months through 12 months	103,851
Over 12 months	100,707
Total	\$ 289,453

Borrowings. Our borrowings at December 31, 2018 consisted of \$430.0 million in advances from the Federal Home Loan Bank of Chicago and \$5.0 million outstanding balance in short-term repurchase agreements used to finance loans held for sale. The following table sets forth information concerning balances and interest rates on borrowings at the dates and for the periods indicated.

	At or For the Year Ended December 31,		
	2018	2017	2016
Borrowings:	(Dollars in Thousands)		
Balance outstanding at end of year	\$435,046	\$386,285	\$387,155
Weighted average interest rate at the end of year	2.01 %	1.57 %	2.27 %

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Maximum amount of borrowings outstanding at any month end during the year	\$451,132	\$498,103	\$414,745	
Average balance outstanding during the year	\$427,301	\$403,163	\$381,803	
Weighted average interest rate during the year	1.85	% 2.14	% 3.39	%

Personnel

As of December 31, 2018, we had 888 full-time equivalent employees. A total of 178 are WaterStone Bank employees and 710 are employees of Waterstone Mortgage Corporation. Our employees are not represented by any collective bargaining group. Management believes that we have good working relations with our employees.

Supervision and Regulation

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## General

WaterStone Bank is a stock savings bank organized under the laws of the State of Wisconsin. The lending, investment, and other business operations of WaterStone Bank are governed by Wisconsin law and regulations, as well as applicable federal law and regulations, and WaterStone Bank is prohibited from engaging in any operations not authorized by such laws and regulations. WaterStone Bank is subject to extensive regulation, supervision and examination by the WDFI and by the Federal Deposit Insurance Corporation. This regulation and supervision establishes a comprehensive framework of activities in which an institution may engage and is intended primarily for the protection of the Federal Deposit Insurance Corporation's deposit insurance fund and depositors, and not for the protection of security holders. WaterStone Bank also is regulated to a lesser extent by the Federal Reserve Board, governing reserves to be maintained against deposits and other matters. WaterStone Bank also is a member of and owns stock in the Federal Home Loan Bank of Chicago, which is one of the 11 regional banks in the Federal Home Loan Bank System.

Under this system of regulation, the regulatory authorities have extensive discretion in connection with their supervisory, enforcement, rulemaking and examination activities and policies, including rules or policies that: establish minimum capital levels; restrict the timing and amount of dividend payments; govern the classification of assets; determine the adequacy of loan loss reserves for regulatory purposes; and establish the timing and amounts of assessments and fees. Moreover, as part of their examination authority, the banking regulators assign numerical ratings to banks and savings institutions relating to capital, asset quality, management, liquidity, earnings and other factors. These ratings are inherently subjective and the receipt of a less than satisfactory rating in one or more categories may result in enforcement action by the banking regulators against a financial institution. A less than satisfactory rating may also prevent a financial institution, such as WaterStone Bank or its holding company, from obtaining necessary regulatory approvals to access the capital markets, pay dividends, acquire other financial institutions or establish new branches.

In addition, we must comply with significant anti-money laundering and anti-terrorism laws and regulations, Community Reinvestment Act laws and regulations, and fair lending laws and regulations. Government agencies have the authority to impose monetary penalties and other sanctions on institutions that fail to comply with these laws and regulations, which could significantly affect our business activities, including our ability to acquire other financial institutions or expand our branch network.

As a savings and loan holding company, Waterstone Financial is required to comply with the rules and regulations of the Federal Reserve Board. It is required to file certain reports with the Federal Reserve Board and is subject to examination by and the enforcement authority of the Federal Reserve Board. Waterstone Financial is also subject to the rules and regulations of the Securities and Exchange Commission under the federal securities laws.

Any change in applicable laws or regulations, whether by the WDFI, the Federal Deposit Insurance Corporation, the Federal Reserve Board or Congress, could have a material adverse impact on the operations and financial performance of Waterstone Financial, WaterStone Bank and Waterstone Mortgage Corporation.

Set forth below is a brief description of material regulatory requirements that are or will be applicable to WaterStone Bank, Waterstone Mortgage Corporation and Waterstone Financial. The description is limited to certain material aspects of the statutes and regulations addressed, and is not intended to be a complete description of such statutes and regulations and their effects on WaterStone Bank, Waterstone Mortgage Corporation and Waterstone Financial.

### Intrastate and Interstate Merger and Branching Activities

Wisconsin Law and Regulation. Any Wisconsin savings bank meeting certain requirements may, upon approval of the WDFI, establish one or more branch offices in the state of Wisconsin and the states of Illinois, Indiana, Iowa, Kentucky, Michigan, Minnesota, Missouri, and Ohio. In addition, upon WDFI approval, a Wisconsin savings bank

may establish a branch office in any other state as the result of a merger or consolidation.

**Federal Law and Regulation.** The Interstate Banking Act permits the federal banking agencies to, under certain circumstances, approve acquisition transactions between banks located in different states, regardless of whether an acquisition would be prohibited under state law. The Interstate Banking Act, as amended, authorizes de novo branching into another state at locations at which banks chartered by the host state could establish a branch.

#### Loans and Investments

**Wisconsin Law and Regulations.** Under Wisconsin law and regulation, WaterStone Bank is authorized to make, invest in, sell, purchase, participate or otherwise deal in mortgage loans or interests in mortgage loans without geographic restriction, including loans made on the security of residential and commercial property. Wisconsin savings banks also may lend funds on a secured or unsecured basis for business, commercial or agricultural purposes, provided the total of all such loans does not exceed 20% of the savings bank's total assets, unless the WDFI authorizes a greater amount. Loans are subject to certain other limitations, including percentage restrictions based on total assets.

Wisconsin savings banks may invest funds in certain types of debt and equity securities, including obligations of federal, state and local governments and agencies. Subject to prior approval of the WDFI, compliance with capital requirements and certain other restrictions, Wisconsin savings banks may invest in residential housing development projects. Wisconsin savings banks may also invest in service corporations or subsidiaries with the prior approval of the WDFI, subject to certain restrictions. Similarly, the line of credit that WaterStone Bank provides to Waterstone Mortgage Corporation is subject to the approval of the WDFI.

Wisconsin savings banks may make loans and extensions of credit, both direct and indirect, to one borrower in amounts up to 20% of the savings bank's capital plus an additional 5% for loans fully secured by readily marketable collateral. In addition, and notwithstanding the 20% of capital and additional 5% of capital limitations set forth above, Wisconsin savings banks may make loans to one borrower, or a related group of borrowers, for any purpose in an amount not to exceed \$500,000, or to develop domestic residential housing units in an amount not to exceed the lesser of \$30 million or 30% of the savings bank's capital, subject to certain conditions. At December 31, 2018, WaterStone Bank did not have any loans which exceeded the "loans-to-one borrower" limitations.

In addition, under Wisconsin law, WaterStone Bank must qualify for and maintain a level of qualified thrift investments equal to 60% of its assets as prescribed in Section 7701(a)(19) of the Internal Revenue Code of 1986, as amended. A Wisconsin savings bank that fails to meet this qualified thrift lender test becomes subject to certain operating restrictions otherwise applicable only to commercial banks. At December 31, 2018, WaterStone Bank maintained 84.9% of its assets in qualified thrift investments and therefore met the qualified thrift lender requirement.

**Federal Law and Regulation.** Federal Deposit Insurance Corporation regulations also govern the equity investments of WaterStone Bank and, notwithstanding Wisconsin law and regulations, Federal Deposit Insurance Corporation regulations prohibit WaterStone Bank from making certain equity investments and generally limit WaterStone Bank's equity investments to those that are permissible for national banks and their subsidiaries. Under Federal Deposit Insurance Corporation regulations, WaterStone Bank must obtain prior Federal Deposit Insurance Corporation approval before directly, or indirectly through a majority-owned subsidiary, engaging "as principal" in any activity that is not permissible for a national bank unless certain exceptions apply. The activity regulations provide that state banks that meet applicable minimum capital requirements would be permitted to engage in certain activities that are not permissible for national banks, including certain real estate and securities activities conducted through subsidiaries. The Federal Deposit Insurance Corporation will not approve an activity that it determines presents a significant risk to the Federal Deposit Insurance Corporation insurance fund. The current activities of WaterStone Bank and its subsidiaries are permissible under applicable federal regulations.

Loans to, and other transactions with, affiliates of WaterStone Bank, such as Waterstone Financial, are restricted by the Federal Reserve Act and regulations issued by the Federal Reserve Board thereunder. See "—Transactions with Affiliates and Insiders" below.

#### Lending Standards

**Wisconsin Law and Regulation.** Wisconsin law and regulations issued by the WDFI impose on Wisconsin savings banks certain fairness in lending requirements and prohibit savings banks from discriminating against a loan applicant based upon the applicant's physical condition, developmental disability, sex, marital status, race, color, creed, national origin, religion or ancestry.

**Federal Law and Regulation.** The federal banking agencies have adopted uniform regulations prescribing standards for extensions of credit that are secured by liens on interests in real estate or made for the purpose of financing the construction of a building or other improvements to real estate. Under the joint regulations adopted by the federal banking agencies, all insured depository institutions, such as WaterStone Bank, must adopt and maintain written policies that establish appropriate limits and standards for extensions of credit that are secured by liens or interests in real estate or are made for the purpose of financing permanent improvements to real estate. These policies must establish loan portfolio diversification standards, prudent underwriting standards (including loan-to-value limits) that are clear and measurable, loan administration procedures, and loan documentation, approval and reporting requirements. The real estate lending policies must reflect consideration of the Interagency Guidelines for Real Estate Lending Policies that have been adopted by the federal bank regulators.

The Interagency Guidelines, among other things, require a depository institution to establish internal loan-to-value limits for real estate loans that are not in excess of the following supervisory limits:

for loans secured by raw land, the supervisory loan-to-value limit is 65% of the value of the collateral;

for land development loans (i.e., loans for the purpose of improving unimproved property prior to the erection of structures), the supervisory limit is 75%;

for loans for the construction of commercial, over four-family or other non-residential property, the supervisory limit is 80%;

for loans for the construction of one- to four-family properties, the supervisory limit is 85%; and

for loans secured by other improved property (e.g., farmland, completed commercial property and other income-producing property, including non-owner occupied, one- to four-family property), the limit is 85%.

Although no supervisory loan-to-value limit has been established for permanent mortgages on owner-occupied, one-to four-family and home equity loans, the Interagency Guidelines state that for any such loan with a loan-to-value ratio that equals or exceeds 90% at origination, an institution should require appropriate credit enhancement in the form of either mortgage insurance or readily marketable collateral.

#### Deposits

Wisconsin Law and Regulation. Under Wisconsin law, WaterStone Bank is permitted to establish deposit accounts and accept deposits. WaterStone Bank's board of directors, or its designee, determines the rate and amount of interest to be paid on or credited to deposit accounts subject to Federal Deposit Insurance Corporation limitations.

#### Deposit Insurance

Wisconsin Law and Regulation. Under Wisconsin law, WaterStone Bank is required to obtain and maintain insurance on its deposits from a deposit insurance corporation. The deposits of WaterStone Bank are insured up to the applicable limits by the Federal Deposit Insurance Corporation.

Federal Law and Regulation. WaterStone Bank is a member of the Deposit Insurance Fund, which is administered by the Federal Deposit Insurance Corporation. The Bank's deposit accounts are insured by the Federal Deposit Insurance Corporation, generally up to a maximum of \$250,000.



The Federal Deposit Insurance Corporation imposes an assessment against all insured depository institutions. An institution's assessment rate depends upon the perceived risk of the institution to the Deposit Insurance Fund, with less risky institutions paying lower rates. Currently, assessments for institutions of less than \$10 billion of total assets are based on financial measures and supervisory ratings derived from statistical models estimating the probability of failure within three years. Assessment rates (inclusive of possible adjustments) currently range from 1.5 to 30 basis points of each institution's total assets less tangible capital. The Federal Deposit Insurance Corporation may increase or decrease the range of assessments uniformly, except that no adjustment can deviate more than two basis points from the base assessment rate without notice and comment rulemaking. The existing system represents a change, required by the Dodd-Frank Act, from the Federal Deposit Insurance Corporation's prior practice of basing the assessment on an institution's aggregate deposits.

The Dodd-Frank Act increased the minimum target Deposit Insurance Fund ratio from 1.15% of estimated insured deposits to 1.35% of estimated insured deposits. The Federal Deposit Insurance Corporation was required to seek to achieve the 1.35% ratio by September 30, 2020. The Federal Deposit Insurance Corporation indicated that the 1.35% ratio was exceeded in November 2018. Insured institutions of less than \$10 billion of assets will receive credits for the portion of their assessments that contributed to the reserve ratio between 1.15% and 1.35%. The Dodd-Frank Act eliminated the 1.5% maximum fund ratio, instead leaving it to the discretion of the Federal Deposit Insurance Corporation, and the Federal Deposit Insurance Corporation has exercised that discretion by establishing a long-range fund ratio of 2%.

The Federal Deposit Insurance Corporation has the authority to increase insurance assessments. A significant increase in insurance premiums would have an adverse effect on the operating expenses and results of operations of WaterStone Bank. We cannot predict what deposit insurance assessment rates will be in the future.

Insurance of deposits may be terminated by the Federal Deposit Insurance Corporation upon a finding that an institution has engaged in unsafe or unsound practices, is in an unsafe or unsound condition to continue operations or has violated any applicable law, regulation, rule, order or condition imposed by the Federal Deposit Insurance Corporation. We do not know of any practice, condition or violation that might lead to termination of deposit insurance.

In addition to the Federal Deposit Insurance Corporation assessments, the Financing Corporation (FICO) is authorized to impose and collect, with the approval of the Federal Deposit Insurance Corporation, assessments for anticipated payments, issuance costs and custodial fees on bonds issued by the FICO in the 1980s to recapitalize the former Federal Savings and Loan Insurance Corporation. The bonds issued by the FICO are due to mature in 2017 through 2019. For the quarter ended December 31, 2018, the annualized FICO assessment was equal to 0.14 basis points of total assets less tangible capital.

#### Capitalization

**Wisconsin Law and Regulation.** Wisconsin savings banks are required to maintain a minimum capital to assets ratio of 6% and must maintain total capital necessary to ensure the continuation of insurance of deposit accounts by the Federal Deposit Insurance Corporation. If the WDFI determines that the financial condition, history, management or earning prospects of a savings bank are not adequate, the WDFI may require a higher minimum capital level for the savings bank. If a Wisconsin savings bank's capital ratio falls below the required level, the WDFI may direct the savings bank to adhere to a specific written plan established by the WDFI to correct the savings bank's capital deficiency, as well as a number of other restrictions on the savings bank's operations, including a prohibition on the payment of dividends. At December 31, 2018 and 2017, WaterStone Bank's capital to assets ratio, as calculated under Wisconsin law, was 20.01% and 21.44%, respectively.

**Federal Law and Regulation.** Federal regulations require Federal Deposit Insurance Corporation insured depository institutions to meet several minimum capital standards: a common equity Tier 1 capital to risk-based assets ratio of

4.5%, a Tier 1 capital to risk-based assets ratio of 6.0%, a total capital to risk-based assets of 8.0%, and a 4.0% Tier 1 capital to total assets leverage ratio.

Common equity Tier 1 capital is generally defined as common stockholders' equity and retained earnings. Tier 1 capital is generally defined as common equity Tier 1 and additional Tier 1 capital. Additional Tier 1 capital includes certain noncumulative perpetual preferred stock and related surplus and minority interests in equity accounts of consolidated subsidiaries. Total capital includes Tier 1 capital (common equity Tier 1 capital plus additional Tier 1 capital) and Tier 2 capital. Tier 2 capital is comprised of capital instruments and related surplus, meeting specified requirements, and may include cumulative preferred stock and long-term perpetual preferred stock, mandatory convertible securities, intermediate preferred stock and subordinated debt. Also included in Tier 2 capital is the allowance for loan and lease losses limited to a maximum of 1.25% of risk-weighted assets and, for institutions that have exercised an opt-out election regarding the treatment of Accumulated Other Comprehensive Income ("AOCI"), up to 45% of net unrealized gains on available-for-sale equity securities with readily determinable fair market values. Institutions that have not exercised the AOCI opt-out have AOCI incorporated into common equity Tier 1 capital (including unrealized gains and losses on available-for-sale securities). WaterStone Bank exercised its AOCI opt-out election. Calculation of all types of regulatory capital is subject to deductions and adjustments specified in the regulations.

In determining the amount of risk-weighted assets for purposes of calculating risk-based capital ratios, all assets, including certain off-balance sheet assets (e.g., recourse obligations, direct credit substitutes, residual interests) are multiplied by a risk weight factor assigned by the regulations based on the risks believed inherent in the type of asset. Higher levels of capital are required for asset categories believed to present greater risk. For example, a risk weight of 0% is assigned to cash and U.S. government securities, a risk weight of 50% is generally assigned to prudently underwritten first lien one to four- family residential real estate loans, a risk weight of 100% is assigned to commercial and consumer loans, a risk weight of 150% is assigned to certain past due loans and a risk weight of between 0% to 600% is assigned to permissible equity interests, depending on certain specified factors.

In addition to establishing the minimum regulatory capital requirements, the regulations limit capital distributions and certain discretionary bonus payments to management if the institution does not hold a "capital conservation buffer" consisting of 2.5% of common equity Tier 1 capital to risk-weighted asset above the amount necessary to meet its minimum risk-based capital requirements. The capital conservation buffer requirement was phased in beginning January 1, 2016 until fully implemented at 2.5% on January 1, 2019.

In assessing an institution's capital adequacy, the Federal Deposit Insurance Corporation takes into consideration, not only these numeric factors, but qualitative factors as well, including the bank's exposure to interest rate risk. The Federal Deposit Insurance Corporation has the authority to establish higher capital requirements for individual institutions where deemed necessary due to a determination that an institution's capital level is, or is likely to become, inadequate in light of particular circumstances.

Legislation enacted in May 2018 requires the federal banking agencies, including the Federal Deposit Insurance Corporation, to establish a “community bank leverage ratio” of between 8% to 10% of average total consolidated assets for qualifying institutions with assets of less than \$10 billion of assets. Institutions with capital meeting the specified requirement and electing to follow the alternative framework would be deemed to comply with the applicable regulatory capital requirements, including the risk-based requirements. The federal regulators have issued a proposed rule that would set the ratio at 9%.

#### Safety and Soundness Standards

Each federal banking agency, including the Federal Deposit Insurance Corporation, has adopted guidelines establishing general standards relating to internal controls, internal audit systems, loan documentation, credit underwriting, interest rate exposure, asset growth, asset quality, earnings and compensation, fees and benefits, and information security. In general, the guidelines require, among other things, appropriate systems and practices to identify and manage the risks and exposures specified in the guidelines. The guidelines prohibit excessive compensation as an unsafe and unsound practice and describe compensation as excessive when the amounts paid are unreasonable or disproportionate to the services performed by an executive officer, employee, director, or principal shareholder.

#### Prompt Corrective Regulatory Action

Federal bank regulatory authorities are required to take "prompt corrective action" with respect to institutions that do not meet minimum capital requirements. For these purposes, the statute establishes five capital categories: well capitalized, adequately capitalized, undercapitalized, significantly undercapitalized, and critically undercapitalized. Under the regulations, a bank is deemed to be (i) "well capitalized" if it has total risk-based capital of 10.0% or more, has a Tier 1 risk-based capital ratio of 8.0% or more, has a Tier 1 leverage capital ratio of 5.0% or more and a common equity Tier 1 ratio of 6.5% or more, and is not subject to any written capital order or directive; (ii) "adequately capitalized" if it has a total risk-based capital ratio of 8.0% or more, a Tier 1 risk-based capital ratio of 6.0% or more, a Tier 1 leveraged capital ratio of 4.0% or more and a common equity Tier 1 ratio of 4.5% or more, and does not meet the definition of "well capitalized"; (iii) "undercapitalized" if it has a total risk-based capital ratio that is less than 8.0%, a Tier 1 risk-based capital ratio that is less than 6.0%, a Tier 1 leverage capital ratio that is less than 4.0% or a common equity Tier 1 ratio of less than 4.5%; (iv) "significantly undercapitalized" if it has a total risk-based capital ratio that is less than 6.0% and a Tier 1 risk-based capital ratio that is less than 4.0% or a common equity Tier 1 ratio of less than 3.0%; and (v) "critically undercapitalized" if it has a ratio of tangible equity to total assets that is equal to or less than 2.0%.

Federal law and regulations also specify circumstances under which a federal banking agency may reclassify a well capitalized institution as adequately capitalized and may require an institution classified as less than well capitalized to comply with supervisory actions as if it were in the next lower category (except that the Federal Deposit Insurance Corporation may not reclassify a significantly undercapitalized institution as critically undercapitalized).

The Federal Deposit Insurance Corporation may order savings banks that have insufficient capital to take corrective actions. For example, a savings bank that is categorized as “undercapitalized” is subject to growth limitations and is required to submit a capital restoration plan, and a holding company that controls such a savings bank is required to guarantee that the savings bank complies with the restoration plan. A “significantly undercapitalized” savings bank may be subject to additional restrictions. Savings banks deemed by the Federal Deposit Insurance Corporation to be “critically undercapitalized” would be subject to the appointment of a receiver or conservator.

At December 31, 2018, WaterStone Bank was considered well-capitalized with a common equity Tier 1 ratio of 26.05%, Tier 1 leverage ratio of 20.08%, a Tier 1 risk-based ratio of 26.05% and a total risk based capital ratio of 26.95%.

#### Dividends

Under Wisconsin law and applicable regulations, a Wisconsin savings bank that meets its regulatory capital requirements may declare dividends on capital stock based upon net profits, provided that its paid-in surplus equals its capital stock. In addition, prior WDFI approval is required before dividends exceeding 50% of net profits for any calendar year may be declared and before a stock dividend may be declared out of retained earnings. Under WDFI regulations, a Wisconsin savings bank which has converted from mutual to stock form also is prohibited from paying a dividend on its capital stock if the payment causes the regulatory capital of the savings bank to fall below the amount required for its liquidation account.

The Federal Deposit Insurance Corporation has the authority to prohibit WaterStone Bank from paying dividends if, in its opinion, the payment of dividends would constitute an unsafe or unsound practice in light of the financial condition of WaterStone Bank. Institutions may not pay dividends if they would be “undercapitalized” following payment of the dividend within the meaning of the prompt corrective action regulations.

Information with respect to regulation regarding dividends declared and paid by Waterstone Financial is disclosed under "Holding Company Dividends."

#### Liquidity and Reserves

Wisconsin Law and Regulation. Under WDFI regulations, all Wisconsin savings banks are required to maintain a certain amount of their assets as liquid assets, consisting of cash and certain types of investments. The exact amount of assets a savings bank is required to maintain as liquid assets is set by the WDFI, but generally ranges from 4% to 15% of the savings bank’s average daily balance of net withdrawable accounts plus short-term borrowings (the “Required Liquidity Ratio”). At December 31, 2018, WaterStone Bank’s Required Liquidity Ratio was 8.0%, and WaterStone Bank was in compliance with this requirement. In addition, 50% of the liquid assets maintained by a Wisconsin savings bank must consist of “primary liquid assets,” which are defined to include securities issued by the United States Government, United States Government agencies, or the state of Wisconsin or a subdivision thereof, and cash. At December 31, 2018, WaterStone Bank was in compliance with this requirement.

Federal Law and Regulation. Under federal law and regulations, WaterStone Bank is required to maintain sufficient liquidity to ensure safe and sound banking practices. Regulation D, promulgated by the Federal Reserve Board, imposes reserve requirements on all depository institutions, including WaterStone Bank, which maintain transaction accounts or non-personal time deposits. Checking accounts, NOW accounts, Super NOW checking accounts, and certain other types of accounts that permit payments or transfers to third parties fall within the definition of transaction accounts and are subject to Regulation D reserve requirements, as are any non-personal time deposits (including certain money market deposit accounts) at a savings institution. For 2017, a depository institution was required to maintain average daily reserves equal to 3% on the first \$115.1 million of transaction accounts, plus 10% of that portion of total transaction accounts in excess of \$115.1 million. The first \$15.5 million of otherwise reservable balances (subject to adjustment by the Federal Reserve Board) was exempt from the reserve requirements. These percentages and threshold limits are subject to adjustment by the Federal Reserve Board and increased to a threshold of \$122.3 million and an exemption of \$16.0 million for 2018. Savings institutions have authority to borrow from the Federal Reserve's "discount window," but Federal Reserve policy generally requires savings institutions to exhaust all other sources before borrowing from the Federal Reserve. As of December 31, 2018, WaterStone Bank met its Regulation D reserve requirements.

#### Transactions with Affiliates and Insiders

Wisconsin Law and Regulation. Under Wisconsin law, a savings bank may not make a loan to a person owning 10% or more of its stock, an affiliated person (including a director, officer, the spouse of either and a member of the immediate family of such person who is living in the same residence), agent, or attorney of the savings bank, either individually or as an agent or partner of another, except as under the rules of the WDFI and regulations of the Federal Deposit Insurance Corporation. In addition, unless the prior approval of the WDFI is obtained, a savings bank may not purchase, lease or acquire a site for an office building or an interest in real estate from an affiliated person, including a shareholder owning more than 10% of its capital stock, or from any firm, corporation, entity or family in which an affiliated person or 10% shareholder has a direct or indirect interest.

Federal Law and Regulation. Sections 23A and 23B of the Federal Reserve Act govern transactions between an insured savings bank, such as WaterStone Bank, and any of its affiliates, including Waterstone Financial. The Federal Reserve Board has adopted Regulation W, which comprehensively implements and interprets Sections 23A and 23B, in part by codifying prior Federal Reserve Board interpretations under Sections 23A and 23B.

An affiliate of a savings bank is any company or entity that controls, is controlled by or is under common control with the savings bank. A subsidiary of a savings bank that is not also a depository institution or a "financial subsidiary" under federal law is not treated as an affiliate of the savings bank for the purposes of Sections 23A and 23B; however, the Federal Deposit Insurance Corporation has the discretion to treat subsidiaries of a savings bank as affiliates on a case-by-case basis. Sections 23A and 23B limit the extent to which a savings bank or its subsidiaries may engage in "covered transactions" with any one affiliate to an amount equal to 10% of such savings bank's capital stock and surplus, and limit all such transactions with all affiliates to an amount equal to 20% of such capital stock and surplus. The term "covered transaction" includes the making of loans, purchase of assets, issuance of guarantees and other similar types of transactions. Further, most loans and other extensions of credit by a savings bank to any of its affiliates must be secured by collateral in amounts ranging from 100% to 130% of the loan amounts, depending on the type of collateral. In addition, any affiliate transaction by a savings bank must be on terms that are substantially the same, or at least as favorable, to the savings bank as those that would be provided to a non-affiliate, and be consistent with safe and sound banking practices.

A savings bank's loans to its executive officers, directors, any owner of more than 10% of its stock (each, an insider) and any of certain entities affiliated with any such person (an insider's related interest) are subject to the conditions and limitations imposed by Section 22(h) of the Federal Reserve Act and the Federal Reserve Board's Regulation O thereunder. Under these restrictions, the aggregate amount of the loans to any insider and the insider's related interests may not exceed the loans-to-one-borrower limit applicable to national banks, (which is generally 15% of capital and

surplus). Aggregate loans by a savings bank to its insiders and insiders' related interests in the aggregate may not exceed the savings bank's unimpaired capital and unimpaired surplus. With certain exceptions, loans to an executive officer, other than loans for the education of the officer's children and certain loans secured by the officer's primary residence, may not exceed the greater of \$25,000 or 2.5% of the savings bank's unimpaired capital and unimpaired surplus, but in no event more than \$100,000. Regulation O also requires that any proposed loan to an insider or a related interest of that insider be approved in advance by a majority of the board of directors of the savings bank, with any interested director not participating in the voting, if such loan, when aggregated with any existing loans to that insider and the insider's related interests, would exceed either \$500,000 or the greater of \$25,000 or 5% of the savings bank's unimpaired capital and surplus. Generally, such loans must be made on substantially the same terms as, and follow credit underwriting procedures that are no less stringent than, those that are prevailing at the time for comparable transactions with other persons and must not present more than a normal risk of collectability.

An exception to the requirement is made for extensions of credit made pursuant to a benefit or compensation plan of a bank that is widely available to employees of the savings bank and that does not give any preference to insiders of the bank over other employees of the bank. Consistent with these requirements, the Bank offered employees special terms for home mortgage loans on their principal residences. Effective April 1, 2006, this program was discontinued for new loan originations. Under the terms of the discontinued program, the employee interest rate is based on the Bank's cost of funds on December 31st of the immediately preceding year and is adjusted annually. At December 31, 2018, the rate of interest on an employee rate mortgage loan was 1.06%, compared to the weighted average rate of 4.51% on all single family mortgage loans. This rate increased to 1.62% effective March 1, 2019. Employee rate mortgage loans totaled \$1.1 million, or 0.3%, of our residential mortgage loan portfolio on December 31, 2018.

#### Transactions between Bank Customers and Affiliates

Wisconsin savings banks, such as WaterStone Bank, are subject to the prohibitions on certain tying arrangements. Subject to certain exceptions, a savings bank is prohibited from extending credit to or offering any other service to a customer, or fixing or varying the consideration for such extension of credit or service, on the condition that such customer obtain some additional service from the institution or certain of its affiliates or not obtain services of a competitor of the institution.

#### Examinations and Assessments

WaterStone Bank is required to file periodic reports with and is subject to periodic examinations by the WDFI and FDIC. Federal regulations require annual on-site examinations for all depository institutions except certain well-capitalized and highly rated institutions with assets of less than \$3 billion which are examined every 18 months. WaterStone Bank is required to pay examination fees and annual assessments to fund its supervision.

## Customer Privacy

Under Wisconsin and federal law and regulations, savings banks, such as WaterStone Bank, are required to develop and maintain privacy policies relating to information on its customers, restrict access to and establish procedures to protect customer data. Applicable privacy regulations further restrict the sharing of non-public customer data with non-affiliated parties if the customer requests.

## Community Reinvestment Act

Under the Community Reinvestment Act, WaterStone Bank has a continuing and affirmative obligation consistent with its safe and sound operation to help meet the credit needs of its entire community, including low and moderate income neighborhoods. The Community Reinvestment Act does not establish specific lending requirements or programs for financial institutions nor does it limit an institution's discretion to develop the types of products and services that it believes are best suited to its particular community, consistent with the Community Reinvestment Act. The Community Reinvestment Act requires the Federal Deposit Insurance Corporation, in connection with its examination of WaterStone Bank, to assess WaterStone Bank's record of meeting the credit needs of its community and to take that record into account in the Federal Deposit Insurance Corporation's evaluation of certain applications by WaterStone Bank. For example, the regulations specify that a bank's Community Reinvestment Act performance will be considered in its expansion (e.g., branching or merger) proposals and may be the basis for approving, denying or conditioning the approval of an application. As of the date of its most recent regulatory examination, WaterStone Bank was rated "satisfactory" with respect to its Community Reinvestment Act compliance.

## Federal Home Loan Bank System

The Federal Home Loan Bank System, consisting of 11 Federal Home Loan Banks, is under the jurisdiction of the Federal Housing Finance Board. The designated duties of the Federal Housing Finance Board are to supervise the Federal Home Loan Banks; ensure that the Federal Home Loan Banks carry out their housing finance mission; ensure that the Federal Home Loan Banks remain adequately capitalized and able to raise funds in the capital markets; and ensure that the Federal Home Loan Banks operate in a safe and sound manner.

WaterStone Bank, as a member of the Federal Home Loan Bank of Chicago, is required to acquire and hold shares of capital stock in the Federal Home Loan Bank of Chicago in specified amounts. WaterStone Bank is in compliance with this requirement with an investment in Federal Home Loan Bank of Chicago stock of \$19.4 million at December 31, 2018.

Among other benefits, the Federal Home Loan Banks provide a central credit facility primarily for member institutions. It is funded primarily from proceeds derived from the sale of consolidated obligations of the Federal Home Loan Bank System. It makes advances to members in accordance with policies and procedures established by the Federal Housing Finance Board and the board of directors of the Federal Home Loan Bank of Chicago. At December 31, 2018, WaterStone Bank had \$430.0 million in advances from the Federal Home Loan Bank of Chicago.

## USA PATRIOT Act

The USA PATRIOT Act gives the federal government powers to address terrorist threats through enhanced domestic security measures, expanded surveillance powers, increased information sharing and broadened anti-money laundering requirements. The USA PATRIOT Act also required the federal banking agencies to take into consideration the effectiveness of controls designed to combat money laundering activities in determining whether to approve a merger or other acquisition application of a member institution. Accordingly, if we engage in a merger or other acquisition, our controls designed to combat money laundering would be considered as part of the application process. We have established policies, procedures and systems designed to comply with these regulations.

### Regulation of Waterstone Mortgage Corporation

Waterstone Mortgage Corporation is subject to numerous federal, state and local laws and regulations and may be subject to various judicial and administrative decisions imposing various requirements and restrictions on its business. These laws, regulations and judicial and administrative decisions to which Waterstone Mortgage Corporation is subject include those pertaining to: real estate settlement procedures; fair lending; fair credit reporting; truth in lending; compliance with net worth and financial statement delivery requirements; compliance with federal and state disclosure and licensing requirements; the establishment of maximum interest rates, finance charges and other charges; secured transactions; collection, foreclosure, repossession and claims-handling procedures; other trade practices and privacy regulations providing for the use and safeguarding of non-public personal financial information of borrowers; and guidance on non-traditional mortgage loans issued by the federal financial regulatory agencies. Waterstone Mortgage Corporation may also be required to comply with any additional requirements that its customers may be subject to by their regulatory authorities.

### Holding Company Regulation

Waterstone Financial is a unitary savings and loan holding company subject to regulation and supervision by the Federal Reserve Board. The Federal Reserve Board has enforcement authority over Waterstone Financial and its non-savings institution subsidiaries. Among other things, this authority permits the Federal Reserve Board to restrict or prohibit activities that are determined to be a risk to WaterStone Bank. In addition, any company that owns or controls, directly or indirectly, more than 25% of the voting securities of a state savings bank is subject to regulation as a savings bank holding company by the WDFI. Waterstone Financial is subject to regulation as a savings bank holding company under Wisconsin law. However, the WDFI has not issued specific regulations governing savings bank holding companies.

As a savings and loan holding company, Waterstone Financial's activities are limited to those activities permissible by law for financial holding companies (if Waterstone Financial makes an election to be treated as a financial holding company and meets the other requirements to be a financial holding company) or multiple savings and loan holding companies. A financial holding company may engage in activities that are financial in nature, incidental to financial activities or complementary to a financial activity. Such activities include lending and other activities permitted for bank holding companies, insurance and underwriting equity securities. Multiple savings and loan holding companies are authorized to engage in activities specified by federal regulation.



Federal law prohibits a savings and loan holding company, directly or indirectly, or through one or more subsidiaries, from acquiring more than 5% of another savings institution or savings and loan holding company without prior written approval of the Federal Reserve Board, and from acquiring or retaining control of any depository institution not insured by the Federal Deposit Insurance Corporation. In evaluating applications by holding companies to acquire savings institutions, the Federal Reserve Board must consider such things as the financial and managerial resources and future prospects of the company and institution involved, the effect of the acquisition on and the risk to the federal deposit insurance fund, the convenience and needs of the community and competitive factors. A savings and loan holding company may not acquire a savings institution in another state and hold the target institution as a separate subsidiary unless it is a supervisory acquisition under Section 13(k) of the Federal Deposit Insurance Act or the law of the state in which the target is located authorizes such acquisitions by out-of-state companies.

Savings and loan holding companies historically have not been subject to consolidated regulatory capital requirements, although bank holding companies have been. Legislation enacted in May 2018 required the Federal Reserve Board to raise the asset size threshold of its "small holding company" exception to the applicability of consolidated holding company capital requirements from \$1 billion. That change became effective in August 2018. Consequently, holding companies with less than \$3 billion of consolidated assets, such as Waterstone Financial, are generally not subject to the requirements unless otherwise advised by the Federal Reserve Board. Waterstone Financial's consolidated capital exceeded the minimum requirements as of December 31, 2018.

The Dodd-Frank Act extended the "source of strength" doctrine to savings and loan holding companies. The Federal Reserve Board promulgated regulations implementing the "source of strength" policy, which requires holding companies to act as a source of strength to their subsidiary depository institutions by providing capital, liquidity and other support in times of financial stress.

The Federal Reserve Board has issued a policy statement regarding the payment of dividends and the repurchase of shares of common stock by bank holding companies and savings and loan holding companies. In general, the policy provides that dividends should be paid only out of current earnings and only if the prospective rate of earnings retention by the holding company appears consistent with the organization's capital needs, asset quality and overall financial condition. Regulatory guidance provides for prior regulatory consultation with respect to capital distributions in certain circumstances such as where the company's net income for the past four quarters, net of dividends previously paid over that period, is insufficient to fully fund a proposed dividend or the company's overall rate of earnings retention is inconsistent with the company's capital needs and overall financial condition. The ability of a holding company to pay dividends may be restricted if a subsidiary bank becomes undercapitalized. The policy statement also states that a holding company should inform the Federal Reserve Board supervisory staff prior to redeeming or repurchasing common stock or perpetual preferred stock if the holding company is experiencing financial weaknesses or if the repurchase or redemption would result in a net reduction, as of the end of a quarter, in the amount of such equity instruments outstanding compared with the beginning of the quarter in which the redemption or repurchase occurred. These regulatory policies may affect the ability of Waterstone Financial to pay dividends, repurchase shares of common stock or otherwise engage in capital distributions.

#### Holding Company Dividends

Waterstone Financial will not be permitted to pay dividends on its common stock if its stockholders' equity would be reduced below the amount of the liquidation account established by Waterstone Financial in connection with the conversion. The source of dividends will depend on the net proceeds retained by Waterstone Financial and earnings thereon, and dividends from WaterStone Bank. In addition, Waterstone Financial will be subject to relevant state corporate law limitations and federal bank regulatory policy on the payment of dividends. Maryland law, which is the state of Waterstone Financial's incorporation, generally limits dividends if the corporation would not be able to pay its debts in the usual course of business after giving effect to the dividend or if the corporation's total assets would be less than the corporation's total liabilities plus the amount needed to satisfy the preferential rights upon dissolution of stockholders whose preferential rights on dissolution are superior to those receiving the distribution.

The dividend rate and continued payment of dividends will depend on a number of factors, including our capital requirements, our financial condition and results of operations, tax considerations, statutory and regulatory limitations, and general economic conditions.

#### Federal Securities Laws Regulation

**Securities Exchange Act.** Waterstone Financial common stock is registered with the Securities and Exchange Commission. Waterstone Financial is subject to the information, proxy solicitation, insider trading restrictions and other requirements under the Securities Exchange Act of 1934.

Shares of common stock purchased by persons who are not affiliates of Waterstone Financial may be resold without registration. Shares purchased by an affiliate of Waterstone Financial are subject to the resale restrictions of Rule 144 under the Securities Act of 1933. If Waterstone Financial meets the current public information requirements of Rule 144 under the Securities Act of 1933, each affiliate of Waterstone Financial that complies with the other conditions of Rule 144, including those that require the affiliate's sale to be aggregated with those of other persons, would be able to sell in the public market, without registration, a number of shares not to exceed, in any three-month period, the greater of 1% of the outstanding shares of Waterstone Financial, or the average weekly volume of trading in the shares during the preceding four calendar weeks. In the future, Waterstone Financial may permit affiliates to have their shares registered for sale under the Securities Act of 1933.

**Sarbanes-Oxley Act of 2002.** The Sarbanes-Oxley Act of 2002 is intended to improve corporate responsibility, to provide for enhanced penalties for accounting and auditing improprieties at publicly traded companies and to protect investors by improving the accuracy and reliability of corporate disclosures pursuant to the securities laws. We have policies, procedures and systems designed to comply with these regulations, and we review and document such policies, procedures and systems to ensure continued compliance with these regulations.

## Change in Control Regulations

Under the Change in Bank Control Act, no person may acquire control of a savings and loan holding company such as Waterstone Financial unless the Federal Reserve Board has been given 60 days' prior written notice and has not issued a notice disapproving the proposed acquisition, taking into consideration certain factors, including the financial and managerial resources of the acquirer and the competitive effects of the acquisition. Control, as defined under federal law, means ownership, control of or holding irrevocable proxies representing more than 25% of any class of voting stock, control in any manner of the election of a majority of the institution's directors, or a determination by the regulator that the acquiror has the power, directly or indirectly, to exercise a controlling influence over the management or policies of the institution. Acquisition of more than 10% of any class of a savings and loan holding company's voting stock constitutes a rebuttable determination of control under the regulations under certain circumstances including where, as is the case with Waterstone Financial, the issuer has registered securities under Section 12 of the Securities Exchange Act of 1934.

In addition, federal regulations provide that no company may acquire control of a savings and loan holding company without the prior approval of the Federal Reserve Board. Any company that acquires such control becomes a "savings and loan holding company" subject to registration, examination and regulation by the Federal Reserve Board.

## Federal and State Taxation

### Federal Taxation

**General.** Waterstone Financial and subsidiaries are subject to federal income taxation in the same general manner as other corporations, with some exceptions discussed below. Waterstone Financial and subsidiaries constitute an affiliated group of corporations and, therefore, are eligible to report their income on a consolidated basis. The following discussion of federal taxation is intended only to summarize certain pertinent federal income tax matters and is not a comprehensive description of the tax rules applicable to Waterstone Financial or WaterStone Bank. The company is no longer subject to federal tax examinations for years before 2014.

**Method of Accounting.** For federal income tax purposes, Waterstone Financial currently reports its income and expenses on the accrual method of accounting and uses a tax year ending December 31 for filing its federal income tax returns.

**Bad Debt Reserves.** Prior to the Small Business Protection Act of 1996 (the "1996 Act"), WaterStone Bank was permitted to establish a reserve for bad debts and to make annual additions to the reserve. These additions could, within specified formula limits, be deducted in arriving at our taxable income. As a result of the 1996 Act, WaterStone Bank was required to use the specific charge-off method in computing its bad debt deduction beginning with its 1996 federal tax return. Savings institutions were required to recapture any excess reserves over those established as of December 31, 1987 (base year reserve). At December 31, 2018, WaterStone Bank had no reserves subject to recapture in excess of its base year.

Waterstone Financial is required to use the specific charge-off method to account for tax bad debt deductions.

**Taxable Distributions and Recapture.** Prior to 1996, bad debt reserves created prior to 1988 were subject to recapture into taxable income if WaterStone Bank failed to meet certain thrift asset and definitional tests or made certain distributions. Tax law changes in 1996 eliminated thrift-related recapture rules. However, under current law, pre-1988 tax bad debt reserves remain subject to recapture if WaterStone Bank makes certain non-dividend distributions, repurchases any of its common stock, pays dividends in excess of earnings and profits, or fails to qualify as a "bank" for tax purposes. At December 31, 2018, our total federal pre-base year bad debt reserve was approximately \$16.7 million.

Corporate Dividends-Received Deduction. Waterstone Financial may exclude from its federal taxable income 100% of dividends received from WaterStone Bank as a wholly-owned subsidiary by filing consolidated tax returns. The corporate dividends-received deduction is 80% when the corporation receiving the dividend owns at least 20% of the stock of the distributing corporation. The dividends-received deduction is 70% when the corporation receiving the dividend owns less than 20% of the distributing corporation.

#### State Taxation

The Company is subject to primarily the Wisconsin corporate franchise (income) tax and taxation in a number of states due primarily to the operations of the mortgage banking segment. Under current law, the state of Wisconsin imposes a corporate franchise tax of 7.9% on the combined taxable incomes of the members of our consolidated income tax group.

The Company is no longer subject to state income tax examinations by certain state tax authorities for years before 2014.

As a Maryland business corporation, Waterstone Financial is required to file an annual report and pay franchise taxes to the state of Maryland.

Item 1A. Risk Factors

An investment in our securities is subject to risks inherent in our business and the industry in which we operate. Before making an investment decision, you should carefully consider the risks and uncertainties described below and all other information included in this report. The risks described below may adversely affect our business, financial condition and operating results. In addition to these risks and the other risks and uncertainties described in Item 1, “Business-Forward Looking Statements” and Item 7, “Management's Discussion and Analysis of Financial Condition and Results of Operations,” there may be additional risks and uncertainties that are not currently known to us or that we currently deem to be immaterial that could materially and adversely affect our business, financial condition or operating results. The value or market price of our securities could decline due to any of these identified or other risks. Past financial performance may not be a reliable indicator of future performance, and historical trends should not be used to anticipate results or trends in future periods.

We operate in a highly regulated environment and we are subject to supervision, examination and enforcement action by various bank regulatory agencies.

We are subject to extensive supervision, regulation, and examination by the WDFI, the Federal Deposit Insurance Corporation and the Federal Reserve Board. As a result, we are limited in the manner in which we conduct our business, undertake new investments and activities, and obtain financing. This system of regulation is designed primarily for the protection of the Deposit Insurance Fund and our depositors, and not for the benefit of our stockholders. Under this system of regulation, the regulatory authorities have extensive discretion in connection with their supervisory, enforcement, rulemaking and examination activities and policies, including rules or policies that: establish minimum capital levels; restrict the timing and amount of dividend payments; govern the classification of assets; determine the adequacy of loan loss reserves for regulatory purposes; and establish the timing and amounts of assessments and fees.

Moreover, as part of their examination authority, the banking regulators assign numerical ratings to banks and savings institutions relating to capital, asset quality, management, liquidity, earnings and other factors. These ratings are inherently subjective and the receipt of a less than satisfactory rating in one or more categories may result in enforcement action by the banking regulators against a financial institution. A less than satisfactory rating may also prevent a financial institution, such as WaterStone Bank or its holding company, from obtaining necessary regulatory approvals to access the capital markets, paying dividends, acquiring other financial institutions or establishing new branches.

In addition, we must comply with significant anti-money laundering and anti-terrorism laws and regulations, Community Reinvestment Act laws and regulations, and fair lending laws and regulations. Government agencies have the authority to impose monetary penalties and other sanctions on institutions that fail to comply with these laws and regulations, which could significantly affect our business activities, including our ability to acquire other financial institutions or expand our branch network.

Changing interest rates may have a negative effect on our results of operations.

Our earnings and cash flows are dependent on our net interest income and income from our mortgage banking operations. Interest rates are highly sensitive to many factors that are beyond our control, including general economic conditions and policies of various governmental and regulatory agencies and, in particular, the Federal Reserve Board. Changes in market interest rates could have an adverse effect on our financial condition and results of operations. Decreases in interest rates often result in increased prepayments of loans and mortgage-related securities, as borrowers refinance their loans to reduce borrowings costs. Under these circumstances, we are subject to reinvestment risk to the extent we are unable to reinvest the cash received from such prepayments in loans or other investments that have interest rates that are comparable to the interest rates on existing loans and securities.

Increases in interest rates can also have an adverse impact on our results of operations. A portion of our loans have adjustable interest rates. While the higher payment amounts we would receive on these loans in a rising interest rate environment may increase our interest income, some borrowers may be unable to afford the higher payment amounts, which may result in a higher rate of loan delinquencies and defaults, as well as lower loan originations, as borrowers who may qualify for a loan based on certain mortgage repayments, may not be able to afford repayments based on higher interest rates for the same loan amounts. The marketability of the underlying collateral also may be adversely affected in a high interest rate environment.

Although we have implemented asset and liability management strategies designed to reduce the effects of changes in interest rates on our results of operations, any substantial, unexpected, prolonged change in market interest rate could have a material adverse effect on our financial condition and results of operations. Also, our interest rate models and assumptions likely may not fully predict or capture the impact of actual interest rate changes on our balance sheet.

See “Management’s Discussion and Analysis of Financial Condition and Results of Operations—Management of Market Risk.”

We rely heavily on certificates of deposit, which has increased our cost of funds and could continue to do so in the future.

Our reliance on certificates of deposit to fund our operations has resulted in a higher cost of funds than would otherwise be the case if we had a higher percentage of demand deposits, savings deposits and money market accounts. In addition, if our certificates of deposit do not remain with us, we may be required to access other sources of funds, including loan sales, other types of deposits, including replacement certificates of deposit, securities sold under agreements to repurchase, advances from the Federal Home Loan Bank of Chicago and other borrowings. Depending on market conditions, we may be required to pay higher rates on such deposits or other borrowings than we currently pay on our certificates of deposit.

We intend to increase our commercial business lending, and we intend to continue our commercial real estate and multi-family residential real estate lending, which may expose us to increased lending risks and have a negative effect on our results of operations.

We continue to focus on originating commercial business, commercial real estate and multi-family residential real estate loans. These types of loans generally have a higher risk of loss compared to our one- to four-family residential real estate loans. Commercial business loans may expose us to greater credit risk than loans secured by residential real estate because the collateral securing these loans may not be sold as easily as residential real estate. In addition, commercial business and commercial real estate loans may also involve relatively large loan balances to individual borrowers or groups of borrowers. These loans also have greater credit risk than residential real estate loans as repayment is generally dependent upon the successful operation of the borrower's business. Also, the collateral underlying commercial business loans may fluctuate in value. Some of our commercial business loans are collateralized by equipment, inventory, accounts receivable or other business assets, and the liquidation of collateral in the event of default is often an insufficient source of repayment because accounts receivable may be uncollectible and inventories may be obsolete or of limited use. Multi-family residential real estate and commercial real estate loans involve increased risk because repayment is dependent on income being generated in amounts sufficient to cover property maintenance and debt service. In addition, if loans that are collateralized by real estate become troubled and the value of the real estate has been significantly impaired, then we may not be able to recover the full contractual amount of principal and interest that we anticipated at the time we originated the loan, which could cause us to increase our provision for loan losses and adversely affect our financial condition and results of operations.

Consumers may decide to use alternative options to complete financial transactions.

Technology is allowing parties to complete financial transactions through alternative methods that historically have involved banks. Consumers can now easily access historically banking needs through online banking accounts, brokerage accounts, mutual funds or general-purpose reloadable prepaid cards. Consumers can also complete certain transactions without the assistance of banks.

The removal of banking with financial transactions could result in the loss of customer loans, customer deposits, and the related fee income generated from those loans and deposits. The loss of these revenue streams and the lower cost of deposits as a source of funds could have a material adverse effect on our financial condition and results of operations.

Secondary mortgage market conditions could have a material impact on our financial condition and results of operations.

Our mortgage banking operations provide a significant portion of our non-interest income. In addition to being affected by interest rates, the secondary mortgage markets are also subject to investor demand for residential mortgage loans and increased investor yield requirements for these loans. These conditions may fluctuate or worsen in the future. In light of current conditions, there is greater risk in retaining mortgage loans pending their sale to investors. We believe our ability to retain fixed-rate residential mortgage loans is limited. As a result, a prolonged period of secondary market illiquidity may reduce our loan production volumes and could have a material adverse effect on our financial condition and results of operations.

Changes in the programs offered by secondary market purchasers or our ability to qualify for their programs may reduce our mortgage banking revenues, which would negatively impact our non-interest income.

We generate mortgage revenues primarily from gains on the sale of single-family mortgage loans pursuant to programs currently offered by Fannie Mae, Freddie Mac, Ginnie Mae and non-GSE investors. These entities account for a substantial portion of the secondary market in residential mortgage loans. Any future changes in these programs, our eligibility to participate in such programs, the criteria for loans to be accepted or laws that significantly affect the

activity of such entities could, in turn, materially adversely affect our results of operations.

A protracted government shutdown may result in reduced loan originations and related gains on sale and could negatively affect our financial condition and results of operations.

Our mortgage banking operations provide a significant portion of our non-interest income. During any protracted federal government shutdown, we may not be able to close certain loans and we may not be able to recognize non-interest income on the sale of loans. Some of the loans we originate are sold directly to government agencies, and some of these sales may be unable to be consummated during the shutdown. In addition, we believe that some borrowers may determine not to proceed with their home purchase and not close on their loans, which would result in a permanent loss of the related non-interest income. A federal government shutdown could also result in reduced income for government employees or employees of companies that engage in business with the federal government, which could result in greater loan delinquencies, increases in our nonperforming, criticized and classified assets and a decline in demand for our products and services.

If we are required to repurchase mortgage loans that we have previously sold, it would negatively affect our earnings.

One of our primary business operations is our mortgage banking, which involves originating residential mortgage loans for sale in the secondary market under agreements that contain representations and warranties related to, among other things, the origination and characteristics of the mortgage loans. We may be required to repurchase mortgage loans that we have sold in cases of borrower default or breaches of these representations and warranties. If we are required to repurchase mortgage loans or provide indemnification or other recourse, this could increase our costs and thereby affect our future earnings.



Recent regulations could restrict our ability to originate and sell loans.

The Consumer Financial Protection Bureau has issued a rule designed to clarify for lenders how they can avoid legal liability under the Dodd-Frank Act, which would hold lenders accountable for ensuring a borrower's ability to repay a mortgage. Loans that meet this "qualified mortgage" definition will be presumed to have complied with the new ability-to-repay standard. Under the Consumer Financial Protection Bureau's rule, a "qualified mortgage" loan must not contain certain specified features, including:

- excessive upfront points and fees (those exceeding 3% of the total loan amount, less "bona fide discount points" for prime loans);
- interest-only payments;
- negative-amortization; and
- terms longer than 30 years

Also, to qualify as a "qualified mortgage," a borrower's total monthly debt-to-income ratio may not exceed 43%. Lenders must also verify and document the income and financial resources relied upon to qualify the borrower for the loan and underwrite the loan based on a fully amortizing payment schedule and maximum interest rate during the first five years, taking into account all applicable taxes, insurance and assessments.

In addition, the Dodd-Frank Act requires the regulatory agencies to issue regulations that require securitizers of loans to retain not less than 5% of the credit risk for any asset that is not a "qualified residential mortgage."

Furthermore, the Dodd-Frank Act requires the Consumer Finance Protection Bureau to adopt rules and publish forms that combine certain disclosures that consumers receive in connection with applying for and closing on certain mortgage loans under the Truth in Lending Act and the Real Estate Settlement Procedures Act. The Consumer Financial Protection Bureau has implemented a final rule to implement this requirement, and the final rule was effective in October 2015.

We currently sell in the secondary market the significant majority of the one- to four-family residential real estate loans that we originate. These final rules could have a significant effect on the secondary market for loans and the types of loans we originate, and restrict our ability to make loans, any of which could limit our growth or profitability.

Changes in economic conditions could adversely affect our earnings, as our borrowers' ability to repay loans and the value of the collateral securing our loans decline.

Economic conditions have an impact, to some extent, on our overall performance. Conditions such as an economic recession, rising unemployment, changes in interest rates, money supply and other factors beyond our control may adversely affect our asset quality, deposit levels and loan demand and, therefore, our earnings. Because a majority of our loans are secured by real estate, decreases in real estate values could adversely affect the value of property used as collateral. Adverse changes in the economy may also have a negative effect on the ability of our borrowers to make timely repayments of their loans, which could have an adverse impact on our earnings. Consequently, declines in the economy in our market area could have a material adverse effect on our financial condition and results of operations.

Legal and regulatory proceedings and related matters could adversely affect us or the financial services industry in general.

We, and other participants in the financial services industry upon whom we rely to operate, have been and may in the future become involved in legal and regulatory proceedings. Most of the proceedings we consider to be in the normal course of our business or typical for the industry; however, it is inherently difficult to assess the outcome of these matters, and other participants in the financial services industry or we may not prevail in any proceeding or litigation.

Any litigation or regulatory proceeding could entail substantial costs and divert management's attention away from our operations, and any adverse determination could have a materially adverse effect on our business, brand or image, or our financial condition and results of our operations.

We are currently a defendant in two class action lawsuits alleging that Waterstone Mortgage Corporation violated certain provisions of the Fair Labor Standards Act. Although we intend to vigorously defend our interests in this matter and pursue all possible defenses against the claims, we may ultimately be required to pay significant damages and attorney fees, which would adversely affect our financial condition and results of operations. See Item 3, "Legal Proceedings," for more information.

If our allowance for loan losses is not sufficient to cover actual loan losses, our results of operations would be negatively affected.

In determining the amount of the allowance for loan losses, we analyze our loss and delinquency experience by loan categories and we consider the effect of existing economic conditions. In addition, we make various assumptions and judgments about the collectability of our loan portfolio, including the creditworthiness of our borrowers and the value of the real estate and other assets serving as collateral for the repayment of many of our loans. If the results of our analyses are incorrect, our allowance for loan losses may not be sufficient to cover losses inherent in our loan portfolio, which would require additions to our allowance and would decrease our net income. Our emphasis on loan growth and on increasing our portfolio of commercial real estate loans, as well as any future credit deterioration, could require us to increase our allowance further in the future.

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The Financial Accounting Standards Board has adopted a new accounting standard that will be effective for us for our first fiscal year after December 15, 2019. This standard, referred to as Current Expected Credit Loss, or CECL, will require financial institutions to determine periodic estimates of lifetime expected credit losses on loans, and recognize the expected credit losses as allowances for loan losses. This will change the current method of providing allowances for loan losses that are probable, which may require us to increase our allowance for loan losses, and to greatly increase the types of data we would need to collect and review to determine the appropriate level of the allowance for loan losses. Any resulting increase in our allowance for loan losses or expenses incurred to determine the appropriate level of the allowance for loan losses may have a material adverse effect on our results of operations and financial condition.

In addition, bank regulators periodically review our allowance for loan losses and may require us to increase our provision for loan losses or recognize further loan charge-offs. Any increase in our allowance for loan losses or loan charge-offs as required by these regulatory authorities may have a material adverse effect on our results of operations and financial condition.

Because most of our borrowers are located in the Milwaukee, Wisconsin metropolitan area, a prolonged downturn in the local economy, or a decline in local real estate values, could cause an increase in nonperforming loans or a decrease in loan demand, which would reduce our profits.

Substantially all of our loans are secured by real estate located in our primary market area. Weakness in our local economy and our local real estate markets could adversely affect the ability of our borrowers to repay their loans and the value of the collateral securing our loans, which could adversely affect our results of operations. Real estate values are affected by various factors, including supply and demand, changes in general or regional economic conditions, interest rates, governmental rules or policies and natural disasters. Weakness in economic conditions also could result in reduced loan demand and a decline in loan originations. In particular, a significant decline in real estate values would likely lead to a decrease in new loan originations and increased delinquencies and defaults by our borrowers.

Strong competition within our market areas may limit our growth and profitability.

Competition in the banking and financial services industry is intense. In our market areas, we compete with commercial banks, savings institutions, mortgage brokerage firms, credit unions, finance companies, mutual funds, money market funds, insurance companies, and brokerage firms operating locally and elsewhere. Some of our competitors have greater name recognition and market presence and offer certain services that we do not or cannot provide, all of which benefit them in attracting business. In addition, larger competitors may be able to price loans and deposits more aggressively than we do.

We may not be able to attract and retain skilled people.

Our success depends, in large part, on our ability to attract and retain skilled people. Competition for the best people in most activities engaged in by us can be intense, and we may not be able to hire sufficiently skilled people or to retain them. The unexpected loss of services of one or more of our key personnel could have a material adverse impact on our business because of their skills, knowledge of our markets, years of industry experience, and the difficulty of promptly finding qualified replacement personnel.

Loss of key employees may disrupt relationships with certain customers.

Our business is primarily relationship-driven in that many of our key employees have extensive customer relationships. Loss of a key employee with such customer relationships may lead to the loss of business if the customers were to follow that employee to a competitor. While we believe our relationship with our key personnel is good, we cannot guarantee that all of our key personnel will remain with our organization. Loss of such key personnel, should they enter into an employment relationship with one of our competitors, could result in the loss of

some of our customers.

Non-compliance with the USA PATRIOT Act, Bank Secrecy Act, or other laws and regulations could result in fines or sanctions.

The USA PATRIOT and Bank Secrecy Acts require financial institutions to develop programs to prevent financial institutions from being used for money laundering and terrorist activities. If such activities are detected, financial institutions are obligated to file suspicious activity reports with the U.S. Treasury's Office of Financial Crimes Enforcement Network. These rules require financial institutions to establish procedures for identifying and verifying the identity of customers seeking to open new financial accounts. Failure to comply with these regulations could result in fines or sanctions. During the last year, several banking institutions have received large fines for non-compliance with these laws and regulations. While we have developed policies and procedures designed to assist in compliance with these laws and regulations, these policies and procedures may not be effective in preventing violations of these laws and regulations.

Monetary policies and regulations of the Federal Reserve Board could adversely affect our business, financial condition and results of operations.

In addition to being affected by general economic conditions, our earnings and growth are affected by the policies of the Federal Reserve Board. An important function of the Federal Reserve Board is to regulate the money supply and credit conditions. Among the instruments used by the Federal Reserve Board to implement these objectives are open market purchases and sales of U.S. government securities, adjustments of the discount rate and changes in banks' reserve requirements against bank deposits. These instruments are used in varying combinations to influence overall economic growth and the distribution of credit, bank loans, investments and deposits. Their use also affects interest rates charged on loans or paid on deposits.

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We are subject to the Community Reinvestment Act and fair lending laws, and failure to comply with these laws could lead to material penalties.

The Community Reinvestment Act (“CRA”), the Equal Credit Opportunity Act, the Fair Housing Act and other fair lending laws and regulations impose nondiscriminatory lending requirements on financial institutions. A successful regulatory challenge to an institution’s performance under the CRA or fair lending laws and regulations could result in a wide variety of sanctions, including the required payment of damages and civil money penalties, injunctive relief, imposition of restrictions on mergers and acquisitions activity and restrictions on expansion. Private parties may also have the ability to challenge an institution’s performance under fair lending laws in private class action litigation. Such actions could have a material adverse effect on our business, financial condition and results of operations.

We may be adversely affected by recent changes in U.S. tax laws.

Changes in tax laws contained in the Tax Cuts and Jobs Act, which was enacted in December 2017, include a number of provisions that will have an impact on the banking industry, borrowers and the market for single-family residential real estate. Changes include (i) a lower limit on the deductibility of mortgage interest on single-family residential mortgage loans, (ii) the elimination of interest deductions for home equity loans, (iii) a limitation on the deductibility of business interest expense and (iv) a limitation on the deductibility of property taxes and state and local income taxes. The recent changes in the tax laws may have an adverse effect on the market for, and valuation of, residential properties, and on the demand for such loans in the future, and could make it harder for borrowers to make their loan payments. If home ownership becomes less attractive, demand for mortgage loans could decrease. The value of the properties securing loans in our loan portfolio may be adversely impacted as a result of the changing economics of home ownership, which could require an increase in our provision for loan losses, which would reduce our profitability and could materially adversely affect our business, financial condition and results of operations. The mortgage banking originations may be adversely impacted as a result of changing economics of home ownership, which could also reduce profitability of our business, financial condition and results of operations.

Changes in our accounting policies or in accounting standards could materially affect how we report our financial condition and results of operations.

Our accounting policies are essential to understanding our financial condition and results of operations. Some of these policies require the use of estimates and assumptions that may affect the value of our assets or liabilities and financial results. Some of our accounting policies are critical because they require management to make difficult, subjective, and complex judgments about matters that are inherently uncertain, and because it is likely that materially different amounts would be reported under different conditions or using different assumptions. If such estimates or assumptions underlying our financial statements are incorrect, we may experience material losses.

From time to time, the Financial Accounting Standards Board and the Securities and Exchange Commission change the financial accounting and reporting standards or the interpretation of those standards that govern the preparation of our financial statements. These changes are beyond our control, can be hard to predict and could materially affect how we report our financial condition and results of operations. We could also be required to apply a new or revised standard retroactively, which may result in our restating our prior period financial statements.

We may be required to transition from the use of LIBOR in the future.

On July 27, 2017, the Chief Executive of the United Kingdom Financial Conduct Authority, which regulates LIBOR, announced that it intends to stop persuading or compelling banks to submit rates for the calibration of LIBOR to the administrator of LIBOR after 2021. The announcement indicates that the continuation of LIBOR on the current basis cannot and will not be guaranteed after 2021. It is impossible to predict whether and to what extent banks will continue to provide LIBOR submissions to the administrator of LIBOR or whether any additional reforms to LIBOR may be enacted in the United Kingdom or elsewhere. At this time, no consensus exists as to what rate or rates may

become acceptable alternatives to LIBOR and it is impossible to predict the effect of any such alternatives on the value of LIBOR-based securities and variable rate loans, subordinated debentures, or other securities or financial arrangements, given LIBOR's role in determining market interest rates globally. Uncertainty as to the nature of alternative reference rates and as to potential changes or other reforms to LIBOR may adversely affect LIBOR rates and the value of LIBOR-based loans and securities in our portfolio, and may impact the availability and cost of hedging instruments and borrowings. Our adjustable-rate [mortgage] loans are generally tied to the LIBOR. If LIBOR rates are no longer available, and we are required to implement substitute indices for the calculation of interest rates under our loan agreements with our borrowers, we may incur expenses in effecting the transition, and may be subject to disputes or litigation with customers over the appropriateness or comparability to LIBOR of the substitute indices, which could have an adverse effect on our results of operations.

The need to account for certain assets at estimated fair value may adversely affect our results of operations.

We report certain assets, such as loans held for sale, at estimated fair value. Generally, for assets that are reported at fair value, we use quoted market prices or valuation models that utilize observable market inputs to estimate fair value. Because we carry these assets on our books at their estimated fair value, we may incur losses even if the asset in question presents minimal credit risk.

Changes in the valuation of our securities portfolio could adversely affect our profits.

Our securities portfolio may be impacted by fluctuations in market value, potentially reducing accumulated other comprehensive income and/or earnings. Fluctuations in market value may be caused by changes in market interest rates, lower market prices for securities and limited investor demand. Management evaluates securities for other-than-temporary impairment on a monthly basis, with more frequent evaluation for selected issues. In analyzing a debt issuer's financial condition, management considers whether the securities are issued by the federal government or its agencies, whether downgrades by bond rating agencies have occurred, industry analysts' reports and, to a lesser extent given the relatively insignificant levels of depreciation in our debt portfolio, spread differentials between the effective rates on instruments in the portfolio compared to risk-free rates. In analyzing an equity issuer's financial condition, management considers industry analysts' reports, financial performance and projected target prices of investment analysts within a one-year time frame. If this evaluation shows impairment to the actual or projected cash flows associated with one or more securities, a potential loss to earnings may occur. Changes in interest rates can also have an adverse effect on our financial condition, as our available-for-sale securities are reported at their estimated fair value, and therefore are impacted by fluctuations in interest rates. We increase or decrease our stockholders' equity by the amount of change in the estimated fair value of the available-for-sale securities, net of taxes. The declines in market value could result in other-than-temporary impairments of these assets, which would lead to accounting charges that could have a material adverse effect on our net income and capital levels.

Because the nature of the financial services business involves a high volume of transactions, we face significant operational risks.

We operate in diverse markets and rely on the ability of our employees and systems to process a high number of transactions. Operational risk is the risk of loss resulting from our operations, including but not limited to, the risk of fraud by employees or persons outside our company, the execution of unauthorized transactions by employees, errors relating to transaction processing and technology, breaches of the internal control system and compliance requirements, and business continuation and disaster recovery. Insurance coverage may not be available for such losses, or where available, such losses may exceed insurance limits. This risk of loss also includes the potential legal actions that could arise as a result of an operational deficiency or as a result of noncompliance with applicable regulatory standards, adverse business decisions or their implementation, and customer attrition due to potential negative publicity. In the event of a breakdown in the internal control system, improper operation of systems or improper employee actions, we could suffer financial loss, face regulatory action, and suffer damage to our reputation.

Risks associated with system failures, interruptions, or breaches of cybersecurity could negatively affect our earnings.

Information technology systems are critical to our business. We use various technology systems to manage our customer relationships, general ledger, securities investments, deposits and loans. We have established policies and procedures to prevent or limit the effect of system failures, interruptions, and security breaches, but such events may still occur or may not be adequately addressed if they do occur. Although we take numerous protective measures and otherwise endeavor to protect and maintain the privacy and security of confidential data, these systems may be vulnerable to unauthorized access, computer viruses, other malicious code, cyber-attacks, cyber-theft and other events that could have a security impact. If one or more of such events were to occur, this potentially could jeopardize confidential and other information processed and stored in, and transmitted through, our systems or otherwise cause interruptions or malfunctions in our or our customers' operations.

In addition, we outsource a majority of our data processing to certain third-party providers. If these third-party providers encounter difficulties, or if we have difficulty communicating with them, our ability to adequately process and account for transactions could be affected, and our business operations could be adversely affected. Threats to information security also exist in the processing of customer information through various other vendors and their personnel.

The occurrence of any system failures, interruption, or breach of security could damage our reputation and result in a loss of customers and business, subject us to additional regulatory scrutiny, or expose us to litigation and possible financial liability. We may be required to expend significant additional resources to modify our protective measures or to investigate and remediate vulnerabilities or other exposures, and we may be subject to litigation and financial losses that are not fully covered by our insurance. Any of these events could have a material adverse effect on our financial condition and results of operations.

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Our risk management framework may not be effective in mitigating risk and reducing the potential for significant losses.

Our risk management framework is designed to minimize risk and loss to us. We seek to identify, measure, monitor, report and control our exposure to risk, including strategic, market, liquidity, compliance and operational risks. While we use a broad and diversified set of risk monitoring and mitigation techniques, these techniques are inherently limited because they cannot anticipate the existence or future development of currently unanticipated or unknown risks. Recent economic conditions and heightened legislative and regulatory scrutiny of the financial services industry, among other developments, have increased our level of risk. Accordingly, we could suffer losses as a result of our failure to properly anticipate and manage these risks.

Our business may be adversely affected by an increasing prevalence of fraud and other financial crimes.

Our loans to businesses and individuals and our deposit relationships and related transactions are subject to exposure to the risk of loss due to fraud and other financial crimes. We have experienced losses due to apparent fraud and other financial crimes. While we have policies and procedures designed to prevent such losses, losses may still occur.

Acquisitions may disrupt our business and dilute stockholder value.

We regularly evaluate merger and acquisition opportunities with other financial institutions and financial services companies. As a result, negotiations may take place and future mergers or acquisitions involving cash, debt, or equity securities may occur at any time. We would seek acquisition partners that offer us either significant market presence or the potential to expand our market footprint and improve profitability through economies of scale or expanded services.

Acquiring other banks, businesses, or branches may have an adverse effect on our financial results and may involve various other risks commonly associated with acquisitions, including, among other things:

difficulty in estimating the value of the target company;

payment of a premium over book and market values that may dilute our tangible book value and earnings per share in the short and long term;

potential exposure to unknown or contingent tax or other liabilities of the target company;

exposure to potential asset quality problems of the target company;

potential volatility in reported income associated with goodwill impairment losses;

difficulty and expense of integrating the operations and personnel of the target company;

inability to realize the expected revenue increases, cost savings, increases in geographic or product presence, and/or other projected benefits;

potential disruption to our business;

potential diversion of our management's time and attention;

the possible loss of key employees and customers of the target company; and

potential changes in banking or tax laws or regulations that may affect the target company.

Various factors may make takeover attempts more difficult to achieve.

Our articles of incorporation and bylaws, federal regulations, Maryland law, shares of restricted stock and stock options that we have granted or may grant to employees and directors and stock ownership by our management and directors, and various other factors may make it more difficult for companies or persons to acquire control of Waterstone Financial without the consent of our board of directors. A shareholder may want a takeover attempt to succeed because, for example, a potential acquiror could offer a premium over the then prevailing price of our common stock.

Legal and regulatory proceedings and related matters could adversely affect us or the financial services industry in general.

We, and other participants in the financial services industry upon whom we rely to operate, have been and may in the future become involved in legal and regulatory proceedings. Most of the proceedings we consider to be in the normal course of our business or typical for the industry; however, it is inherently difficult to assess the outcome of these matters, and other participants in the financial services industry or we may not prevail in any proceeding or litigation. There could be substantial cost and management diversion in such litigation and proceedings, and any adverse determination could have a materially adverse effect on our business, brand or image, or our financial condition and results of our operations.

Our funding sources may prove insufficient to replace deposits at maturity and support our future growth.

We must maintain sufficient funds to respond to the needs of depositors and borrowers. As a part of our liquidity management, we use a number of funding sources in addition to core deposit growth and repayments and maturities of loans and investments. As we continue to grow, we are likely to become more dependent on these sources, which may include Federal Home Loan Bank advances, proceeds from the sale of loans, federal funds purchased and brokered certificates of deposit. Adverse operating results or changes in industry conditions could lead to difficulty or an inability to access these additional funding sources. Our financial flexibility will be severely constrained if we are unable to maintain our access to funding or if adequate financing is not available to accommodate future growth at acceptable interest rates. If we are required to rely more heavily on more expensive funding sources to support future growth, our revenues may not increase proportionately to cover our costs. In this case, our operating margins and profitability would be adversely affected.

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We are subject to environmental liability risk associated with lending activities.

A significant portion of our loan portfolio is secured by real estate, and we could become subject to environmental liabilities with respect to one or more of these properties. During the ordinary course of business, we may foreclose on and take title to properties securing defaulted loans. In doing so, there is a risk that hazardous or toxic substances could be found on these properties. If hazardous conditions or toxic substances are found on these properties, we may be liable for remediation costs, as well as for personal injury and property damage, civil fines and criminal penalties regardless of when the hazardous conditions or toxic substances first affected any particular property. Environmental laws may require us to incur substantial expenses to address unknown liabilities and may materially reduce the affected property's value or limit our ability to use or sell the affected property. In addition, future laws or more stringent interpretations or enforcement policies with respect to existing laws may increase our exposure to environmental liability. Although we have policies and procedures to perform an environmental review before initiating any foreclosure action on nonresidential real property, these reviews may not be sufficient to detect all potential environmental hazards. The remediation costs and any other financial liabilities associated with an environmental hazard could have a material adverse effect on us.

Item 1B. Unresolved Staff Comments

None

Item 2. Properties

We operate from our corporate center, our 11 full-service banking offices, our drive-through office and 11 automated teller machines, located in Milwaukee, Washington and Waukesha Counties, Wisconsin. In addition, we operate a loan production office in Minneapolis, Minnesota. The net book value of our premises, land, equipment and leasehold improvements was \$24.5 million at December 31, 2018. The following table sets forth information with respect to our corporate center and our full-service banking offices as of December 31, 2018.

Corporate Center 11200 West Plank Court Wauwatosa, Wisconsin 53226	Wauwatosa 7500 West State Street Wauwatosa, Wisconsin 53213	Brookfield (1) 17495 W Capitol Dr. Brookfield, Wisconsin 53045
Franklin/Hales Corners 6555 South 108th Street Franklin, Wisconsin 53132	Germantown/Menomonee Falls W188N9820 Appleton Avenue Germantown, Wisconsin 53022	Oak Creek 6560 South 27th Street Oak Creek, Wisconsin 53154
Oconomowoc/Lake Country (1) 1233 Corporate Center Drive Oconomowoc, Wisconsin 53066	Pewaukee 1230 George Towne Drive Pewaukee, Wisconsin 53072	Waukesha/Brookfield 21505 East Moreland Blvd. Waukesha, Wisconsin 53186
West Allis 10101 West Greenfield Avenue West Allis, Wisconsin 53214	Fox Point 8607 North Port Washington Road Fox Point, Wisconsin 53217	Greenfield 5000 West Loomis Road Greenfield, Wisconsin 53220
Commercial Real Estate Loan Production Office (1) 333 Washington Avenue North Suite 304 Minneapolis, Minnesota 55401 (1)Leased property		

In addition to our banking offices, as of December 31, 2018, Waterstone Mortgage Corporation had 11 offices in each of Wisconsin and Florida, eight offices in each of Pennsylvania and New Mexico, six offices in Minnesota, four offices in Ohio and Texas, three offices in Michigan, two offices in each of Arizona, California, Illinois, Iowa, Maryland, New Hampshire, Oregon, and Virginia, and one office in each of Colorado, Delaware, Georgia, Idaho, Nebraska, North Carolina and Oklahoma.

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Item 3. Legal Proceedings

WaterStone Bank and its wholly owned subsidiary, Waterstone Mortgage Corporation are involved in various legal actions arising in the normal course of business, including the proceedings specifically discussed below. While the ultimate outcome of pending proceedings cannot be predicted with certainty, it is the opinion of management, after consultation with counsel representing us in such proceedings, that the resolution of these proceedings will not have a material adverse effect on our consolidated financial position or results of operation.

*Herrington et al. v. Waterstone Mortgage Corporation*

Waterstone Mortgage Corporation is a defendant in a class action lawsuit that was filed in the United States District Court for the Western District of Wisconsin and subsequently compelled to arbitration before the American Arbitration Association. The plaintiff class alleged that Waterstone Mortgage Corporation violated certain provisions of the Fair Labor Standards Act (FLSA) and failed to pay loan officers consistent with their employment agreements. On July 5, 2017, the arbitrator issued a Final Award finding Waterstone Mortgage Corporation liable for unpaid minimum wages, overtime, unreimbursed business expenses, and liquidated damages under the FLSA. On December 8, 2017, the District Court confirmed the award in large part, and entered a judgment against Waterstone in the amount of \$7,267,919 in damages to Claimants, \$3,298,851 in attorney fees and costs, and a \$20,000 incentive fee to Plaintiff Herrington, plus post-judgment interest. On February 12, 2018, the District Court awarded post-arbitration fees and costs of approximately \$98,000. The judgment was appealed by Waterstone to the Seventh Circuit Court of Appeals, where oral argument was held on May 29, 2018. On October 22, 2018, the Seventh Circuit issued a ruling vacating the District Court's order enforcing the arbitration award. If the District Court determines the agreement only allows for individual arbitration, the award would be vacated and the case sent to individual arbitration for a new proceeding. If the District Court determines the arbitration agreement nevertheless allows for collective arbitration, the District Court could confirm the prior award.

On December 28, 2018, Plaintiff filed her post-remand brief. In it, Plaintiff asks the Court to reaffirm the arbitration award entered by Arbitrator Pratt in full. Alternatively, she asked the Court to affirm her individual damage award and the awards of 123 other opt-ins whose arbitration agreements permit joinder or class actions. Lastly, Plaintiff asked the Court to have 154 opt-ins intervene and file an amended complaint for individual relief in court. Waterstone opposed the motion on January 28, 2019, and asked the Court to vacate the prior Final Award in full because Herrington's arbitration agreement only allows for individual arbitration. Plaintiff filed its reply on February 14, 2019.

If the judgment is upheld in full, the Company has estimated that the award, which includes attorney's fees, costs, and interest, could be as high as \$11 million. However, Waterstone has meaningful appellate rights and intends to vigorously defend its interests in this matter, including arguing for complete reversal on appeal. Although the Company believes there is a strong basis to vacate the award, there remains a reasonable possibility that the Court's judgment will be affirmed in whole or in part, with the possible range of loss from \$0 to \$11 million. We do not believe that the loss is probable at this time, as that term is used in assessing loss contingencies. Accordingly, in accordance with the authoritative guidance in the evaluation of contingencies, the Company has not recorded an accrual related to this matter.

*Werner et al. v. Waterstone Mortgage Corporation*

Waterstone Mortgage Corporation is a defendant in a putative collection action lawsuit that was filed on August 4, 2017 in the United States District Court for the Western District of Wisconsin, *Werner et al. v. Waterstone Mortgage Corporation*. Plaintiffs allege that Waterstone Mortgage Corporation violated the Fair Labor Standards Act (FLSA) by failing to pay loan officers minimum and overtime wages. On October 26, 2017, Plaintiffs moved for conditional certification and to provide notice to the putative class. On February 9, 2018, the Court denied Plaintiffs' motion for conditional certification and notice.

On July 23, 2018, Waterstone filed a motion for partial summary judgment on the claims. It sought to (1) dismiss the time-barred claims of 4 opt-ins and (2) dismiss all other opt-ins due to the denial of conditional certification. In response, all but Werner and Wiesneski filed motions to withdraw their consents to join the case. The Court denied the summary judgment motion on the basis that it was moot due to the opt-in plaintiffs voluntarily dismissing their case.

On October 17, 2018, Werner and Wiesneski asked the Court to send their claims to arbitration. On December 13, 2018, the Court denied the request, finding they had waived their right to arbitrate based on litigating the case in Court for over a year. Thus, the case remained in Court as a two-Plaintiff case.

As of February 2019, the parties have reached a settlement in principle to resolve the claims. The amount of the settlement would not have a material impact to the financial statements. The parties are working on finalizing the terms of settlement.

Item 4. Mine Safety Disclosures

Not applicable

## Part II

Item 5. Market for Registrant's Common Equity and Related Stockholder Matters and Issuer Purchase of Equity Securities

Our shares of common stock are traded on the NASDAQ Global Select Market® under the symbol WSBF. The approximate number of shareholders of record of Waterstone common stock as of February 28, 2019 was 1,400. On that same date there were 28,088,739 shares of common stock issued and outstanding.

Following are the Company's monthly common stock repurchases during the fourth quarter of 2018.

Period	Total Number of Shares Purchased	Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans	Maximum Number of Shares that May Yet Be Purchased Under the Plan <sup>(a)</sup>
October 1, 2018 - October 31, 2018	231,700	\$ 16.84	231,700	157,600
November 1, 2018 - November 30, 2018	105,300	16.57	105,300	943,400
December 1, 2018 - December 31, 2018	250,700	16.36	250,700	692,700
Total	587,700	\$ 16.59	587,700	692,700

(a) On November 8, 2018, the Board of Directors terminated its existing repurchase plan and authorized the repurchase of 1,000,000 shares of common stock.

## PERFORMANCE GRAPH

Set forth below is a line graph comparing the cumulative total shareholder return on Waterstone Financial common stock, based on the market price of the common stock and assuming reinvestment of cash dividends, with the cumulative total return of companies on the SNL Thrift NASDAQ Index and the Russell 2000. The graph assumes \$100 was invested on December 31, 2013, in Waterstone Financial, Inc. common stock and each of those indices.

Waterstone Financial, Inc.

Index	12/31/13	12/31/14	12/31/15	12/31/16	12/31/17	12/31/18
Waterstone Financial, Inc.	100.00	131.76	143.45	190.42	185.82	193.27
SNL Thrift NASDAQ index	100.00	110.75	126.56	160.91	159.37	139.09
Russell 2000	100.00	104.89	100.26	121.63	139.44	124.09

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Item 6. Selected Financial Data

The summary financial information presented below is derived in part from the Company's audited financial statements, although the table itself is not audited. The following data should be read together with the Company's consolidated financial statements and related notes and "Management's Discussion and Analysis of Financial Condition and Results of Operations" later in this report.

	At or for the Year Ended December 31,				
	2018	2017	2016	2015	2014
	(In Thousands, except per share amounts)				
Selected Financial Condition Data:					
Total assets	\$1,915,381	\$1,806,401	\$1,790,619	\$1,762,729	\$1,783,380
Cash and cash equivalents	86,101	48,607	47,217	100,471	172,820
Securities available for sale	185,720	199,707	226,795	269,658	273,443
Loans held for sale	141,616	149,896	225,248	166,516	125,073
Loans receivable	1,379,148	1,291,814	1,177,884	1,114,934	1,094,990
Allowance for loan losses	13,249	14,077	16,029	16,185	18,706
Loans receivable, net	1,365,899	1,277,737	1,161,855	1,098,749	1,076,284
Real estate owned, net	2,152	4,558	6,118	9,190	18,706
Deposits	1,038,495	967,380	949,411	893,361	863,960
Borrowings	435,046	386,285	387,155	441,203	434,000
Total shareholders' equity	399,679	412,104	410,690	391,930	450,237
Selected Operating Data:					
Interest income	\$73,700	\$67,095	\$63,736	\$61,963	\$63,634
Interest expense	19,523	16,362	20,292	23,119	22,327
Net interest income	54,177	50,733	43,444	38,844	41,307
Provision for loan losses	(1,060)	(1,166)	380	1,965	1,150
Net interest income after provision for loan losses	55,237	51,899	43,064	36,879	40,157
Noninterest income	118,199	124,413	126,365	104,474	84,568
Noninterest expense	133,156	131,879	127,435	115,534	104,818
Income before income taxes	40,280	44,433	41,994	25,819	19,907
Provision for income taxes	9,526	18,469	16,462	9,249	7,175
Net income	\$30,754	\$25,964	\$25,532	\$16,570	\$12,732
Per common share:					
Income per share - basic	\$1.12	\$0.95	\$0.94	\$0.57	\$0.38
Income per share - diluted	\$1.11	\$0.93	\$0.93	\$0.56	\$0.38
Book value	\$14.04	\$13.97	\$13.95	\$13.33	\$13.08
Dividends declared	\$0.98	\$0.98	\$0.33	\$0.20	\$0.20

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At or for the Year Ended December 31,  
2018 2017 2016 2015 2014

Selected Financial Ratios and Other Data:

Performance Ratios:

Return on average assets	1.64 %	1.43 %	1.45 %	0.94%	0.71%
Return on average equity	7.60	6.32	6.33	3.99	2.89
Interest rate spread <sup>(1)</sup>	2.75	2.69	2.27	1.91	2.03
Net interest margin <sup>(2)</sup>	3.09	3.00	2.64	2.36	2.44
Noninterest expense to average assets	7.12	7.29	7.24	6.58	5.82
Efficiency ratio <sup>(3)</sup>	77.25	75.30	75.05	80.61	83.27
Average interest-earning assets to average interest-bearing liabilities	130.14	131.86	130.56	131.54	139.98
Dividend payout ratio <sup>(4)</sup>	87.50	103.16	27.66	35.20	52.48

Capital Ratios:

Waterstone Financial, Inc.:

Equity to total assets at end of period	20.87 %	22.81 %	22.94 %	22.23 %	25.25 %
Average equity to average assets	21.63	22.70	22.90	23.62	24.51
Total capital to risk-weighted assets	28.22	30.75	32.23	33.41	41.25
Tier 1 capital to risk-weighted assets	27.32	29.74	31.02	32.16	39.99
Common equity tier 1 capital to risk-weighted assets	27.32	29.74	31.02	32.16	N/A
Tier 1 capital to average assets	21.06	22.43	23.20	22.20	24.80

WaterStone Bank:

Total capital to risk-weighted assets	26.95	28.93	29.50	30.92	31.98
Tier I capital to risk-weighted assets	26.05	27.92	28.29	29.67	30.73
Common equity tier 1 capital to risk-weighted assets	26.05	27.92	28.29	29.67	N/A
Tier I capital to average assets	20.08	21.10	21.17	20.45	19.04

Asset Quality Ratios:

Allowance for loan losses as a percent of total loans	0.96 %	1.09 %	1.36 %	1.45 %	1.71 %
Allowance for loan losses as a percent of non-performing loans	202.12	231.99	162.62	91.94	49.21
Net (recoveries) charge-offs to average outstanding loans during the period	(0.02)	0.06	0.05	0.37	0.55
Non-performing loans as a percent of total loans	0.48	0.47	0.84	1.58	3.47
Non-performing assets as a percent of total assets	0.45	0.59	0.89	1.52	3.18

Other Data:

Number of full-service banking offices	11	11	11	11	9
Number of full-time equivalent employees	888	927	895	770	731

<sup>(1)</sup> Represents the difference between the weighted average yield on average interest-earning assets and the weighted average cost of interest-bearing liabilities.

<sup>(2)</sup> Represents net interest income as a percent of average interest-earning assets.

<sup>(3)</sup> Represents non-interest expense divided by the sum of net interest income and noninterest income.

<sup>(4)</sup> Represents dividends paid per share divided by basic earnings per share.

N/A - Not applicable

Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

Overview

The following discussion and analysis is presented to assist the reader in understanding and evaluating of the Company's financial condition and results of operations. It is intended to complement the consolidated financial statements, footnotes, and supplemental financial data appearing elsewhere in this Form 10-K and should be read in conjunction therewith. The detailed discussion in the sections below focuses on the results of operations for the years ended December 31, 2018, 2017, and 2016 and the financial condition as of December 31, 2018 compared to the financial condition as of December 31, 2017.

As described in the notes to consolidated financial statements, we have two reportable segments: community banking and mortgage banking. The community banking segment provides consumer and business banking products and services to customers. Consumer products include loan products, deposit products, and personal investment services. Business banking products include loans for working capital, inventory and general corporate use, commercial real estate construction loans, and deposit accounts. The mortgage banking segment, which is conducted through Waterstone Mortgage Corporation, consists of originating residential mortgage loans primarily for sale in the secondary market.

Our community banking segment generates the significant majority of our consolidated net interest income and requires the significant majority of our provision for loan losses. Our mortgage banking segment generates the significant majority of our noninterest income and a majority of our noninterest expenses. We have provided below a discussion of the material results of operations for each segment on a separate basis for the years ended December 31, 2018, 2017, and 2016, which focuses on noninterest income and noninterest expenses. We have also provided a discussion of the consolidated operations of Waterstone Financial, which includes the consolidated operations of WaterStone Bank and Waterstone Mortgage Corporation, for the same periods.

Critical Accounting Policies

Critical accounting policies are those that involve significant judgments and assumptions by management and that have, or could have, a material impact on our income or the carrying value of our assets.

**Allowance for Loan Losses.** WaterStone Bank establishes valuation allowances on loans deemed to be impaired. A loan is considered impaired when, based on current information and events, it is probable that WaterStone Bank will not be able to collect all amounts due according to the contractual terms of the loan agreement. A valuation allowance is established for an amount equal to the impairment when the carrying amount of the loan exceeds the present value of the expected future cash flows, discounted at the loan's original effective interest rate or the fair value of the underlying collateral (specific component). The Company recognizes the change in present value of expected future cash flows on impaired loans attributable to the passage of time as bad debt expense. On an ongoing basis, at least quarterly for financial reporting purposes, the fair value of collateral dependent impaired loans and real estate owned is determined or reaffirmed by the following procedures:

- Obtaining updated real estate appraisals or performing updated discounted cash flow analysis;
- Confirming that the physical condition of the real estate has not significantly changed since the last valuation date;
- Comparing the estimated current book value to that of updated sales values experienced on similar real estate owned;
- Comparing the estimated current book value to that of updated values seen on more current appraisals of similar properties; and
- Comparing the estimated current book value to that of updated listed sales prices on our real estate owned and that of similar properties (not owned by the Company).

WaterStone Bank also establishes valuation allowances based on an evaluation of the various risk components that are inherent in the credit portfolio (general component). The risk components that are evaluated include past loan loss experience; the level of non-performing and classified assets; current economic conditions; volume, growth, and composition of the loan portfolio; adverse situations that may affect the borrower's ability to repay; the estimated value of any underlying collateral; regulatory guidance; and other relevant factors. The allowance is increased by provisions charged to earnings and recoveries of previously charged-off loans and reduced by charge-offs. Charge-offs approximate the amount by which the outstanding principal balance exceeds the estimated net realizable value of the underlying collateral. The appropriateness of the allowance for loan losses is reviewed and approved quarterly by the WaterStone Bank Board of Directors. The allowance reflects management's best estimate of the amount needed to provide for the probable loss on impaired loans and other inherent losses in the loan portfolio, and is based on a risk model developed and implemented by management and approved by the WaterStone Bank Board of Directors.

Actual results could differ from this estimate, and future additions to the allowance may be necessary based on unforeseen changes in loan quality and economic conditions. More specifically, if our future charge-off experience increases substantially from our past experience, or if the value of underlying loan collateral, in our case mostly real estate, declines in value by a substantial amount, or if unemployment in our primary market area increases significantly, our allowance for loan losses may be inadequate and we will incur higher provisions for loan losses and lower net income in the future.

In addition, state and federal regulators periodically review the WaterStone Bank allowance for loan losses. Such regulators have the authority to require WaterStone Bank to recognize additions to the allowance at the time of their examination.

**Income Taxes.** The Company and its subsidiaries file consolidated federal, combined state income tax, and separate state income tax returns. The provision for income taxes is based upon income in the consolidated financial statements, rather than amounts reported on the income tax return. Deferred tax assets and liabilities are recognized for the future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases as well as for net operating loss carry forwards. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred tax assets and liabilities of a change in tax rates is recognized as income or expense in the period that includes the enactment date.

Under generally accepted accounting principles, a valuation allowance is required to be recognized if it is “more likely than not” that a deferred tax asset will not be realized. The determination of the realizability of deferred tax assets is highly subjective and dependent upon judgment concerning management's evaluation of both positive and negative evidence, the forecasts of future income, applicable tax planning strategies, and assessments of current and future economic and business conditions. Examples of positive evidence may include the existence of taxes paid in available carry-back years as well as the probability that taxable income will be generated in future periods. Examples of negative evidence may include cumulative losses in a current year and prior two years and general business and economic trends.

Positions taken in the Company's tax returns are subject to challenge by the taxing authorities upon examination. The benefit of uncertain tax positions are initially recognized in the financial statements only when it is more likely than not that the position will be sustained upon examination by the tax authorities. Such tax positions are both initially and subsequently measured as the largest amount of tax benefit that has a greater than 50% likelihood of being realized upon settlement with the tax authority, assuming full knowledge of the position and all relevant facts. Interest and penalties on income tax uncertainties are classified within income tax expense in the income statement.

**Fair Value Measurements.** The Company determines the fair value of its assets and liabilities in accordance with ASC 820. ASC 820 establishes a standard framework for measuring and disclosing fair value under generally accepted accounting principles. A number of valuation techniques are used to determine the fair value of assets and liabilities in the Company's financial statements. The valuation techniques include quoted market prices for investment securities, appraisals of real estate from independent licensed appraisers and other valuation techniques. Fair value measurements for assets and liabilities where limited or no observable market data exists are based primarily upon estimates, and are often calculated based on the economic and competitive environment, the characteristics of the asset or liability and other factors. Therefore, the valuation results cannot be determined with precision and may not be realized in an actual sale or immediate settlement of the asset or liability. Additionally, there are inherent weaknesses in any calculation technique, and changes in the underlying assumptions used, including discount rates and estimates of future cash flows, could significantly affect the results of current or future values. Significant changes in the aggregate fair value of assets and liabilities required to be measured at fair value or for impairment are recognized in the income statement under the framework established by generally accepted accounting principles.

**Recent Accounting Pronouncements.** Refer to Note 1 of our consolidated financial statements for a description of recent accounting pronouncements including the respective dates of adoption and effects on results of operations and financial condition.

**Comparison of Consolidated Waterstone Financial, Inc. Financial Condition at December 31, 2018 and at December 31, 2017**

**Total Assets.** Total assets increased by \$109.0 million, or 6.0%, to \$1.92 billion at December 31, 2018 from \$1.81 billion at December 31, 2017. The increase in total assets primarily reflects an increase in cash and cash equivalents and loans receivable, partially offset by a decrease in securities available for sale and loans held for sale. Funding needed for loan originations was provided by deposit growth and additional long-term FHLB debt in 2018.

**Cash and Cash Equivalents.** Cash and cash equivalents increased \$37.5 million to \$86.1 million at December 31, 2018 from \$48.6 million at December 31, 2017. The increase in cash and cash equivalents primarily reflects increases in deposits and long-term FHLB borrowings along with the decrease in securities available for sale and loans held for sale. Offsetting those increases to cash and cash equivalents, we used cash to fund loans held for investment, pay dividends, and repurchase shares since December 31, 2017.

**Securities Available for Sale.** Securities available for sale decreased by \$14.0 million to \$185.7 million at December 31, 2018 from \$199.7 million at December 31, 2017. The decrease was due to paydowns in mortgage related securities and maturities of debt securities exceeding security purchases during the year.

**Loans Held for Sale.** Loans held for sale decreased \$8.3 million, or 5.5%, to \$141.6 million at December 31, 2018 from \$149.9 million at December 31, 2017. The decrease was related to the timing of the fourth quarter fundings and sales to investors, as volumes at the mortgage banking segment remained relatively flat.

**Loans Receivable.** Loans receivable held for investment increased \$87.3 million, or 6.8%, to \$1.38 billion at December 31, 2018. The increase in total loans receivable was primarily attributable to increases in the one- to four-family, multi-family, and commercial real estate loan categories. Offsetting those increases, the home equity, construction and land, commercial, and consumer categories decreased.

**Allowance for Loan Losses.** The allowance for loan losses decreased \$828,000 to \$13.2 million at December 31, 2018 from \$14.1 million at December 31, 2017. The decrease resulted from a negative provision for 2018 due to continued improvement of key loan quality metrics decreasing the allowance related to the loans collectively and specifically reviewed. The overall decrease was primarily related to the multi-family, construction and land, and commercial categories offset slightly by an increase to the commercial real estate category. See Note 3 for further discussion on the allowance for loan losses.

**Federal Home Loan Bank Stock.** Total Federal Home Loan Bank stock increased \$2.5 million to \$19.4 million at December 31, 2018. During the year ended December 31, 2018, \$11.7 million of stock was purchased when entering into new short-term and long-term FHLB borrowings. A total of \$9.2 million of stock was sold as short-term and long-term FHLB borrowings matured and our ownership requirement decreased accordingly.

**Cash Surrender Value of Life Insurance.** Total cash surrender value of life insurance increased \$1.6 million, to \$67.6 million at December 31, 2018. The increase related to continued earnings and annual premiums paid offset by a death benefit claimed.

**Real Estate Owned.** Total real estate owned decreased by \$2.4 million, or 52.8%, to \$2.2 million at December 31, 2018, compared to \$4.6 million at December 31, 2017. During the year ended December 31, 2018, \$545,000 was transferred from loans to real estate owned upon completion of foreclosure. During the same period, sales of real estate owned totaled \$2.6 million. Write-downs totaled \$309,000 during the year ended December 31, 2018.

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**Deposits.** Deposits increased by \$71.1 million to \$1.04 billion at December 31, 2018, from \$967.4 million at December 31, 2017. The increase was driven by an increase of \$46.9 million in time deposits, \$14.7 million in money market and savings deposits, and \$9.5 million in demand deposits.

**Borrowings.** Total borrowings increased \$48.8 million to \$435.0 million at December 31, 2018, from \$386.3 million at December 31, 2017. The community banking segment borrowed a total of \$60.0 million additional short and long term borrowings to fund loan growth. External short term borrowings at the mortgage banking segment decreased a total of \$6.2 million at December 31, 2018 from December 31, 2017 due to timing of funding loans held for sale.

**Shareholders' Equity.** Shareholders' equity decreased by \$12.4 million, or 3.0%, to \$399.7 million at December 31, 2018 from \$412.1 million at December 31, 2017. Shareholders' equity decreased primarily due to the declaration of regular dividends and a special dividend, the repurchase of stock, and the decrease in the fair value of the securities portfolio. Partially offsetting the decreases were increases from net income, additional paid in capital as stock options were exercised, and unearned ESOP shares as they continue to vest.

### Comparison of Community Banking Segment Operations for the Years Ended December 31, 2018 and 2017

Net income from our community banking segment for the year ended December 31, 2018 totaled \$24.9 million compared to \$16.4 million for the year ended December 31, 2017. Net interest income increased \$4.3 million to \$54.9 million for the year ended December 31, 2018 compared to \$50.6 million for the year ended December 31, 2017 due to an increase in average loan balances and a reduction in our overall cost of borrowing. The long-term borrowings that matured during 2017 were replaced with a lower cost mix of funding, including long and short-term borrowings and deposits raised through our retail network. Offsetting those decreases, the cost of deposits increased as interest expense on certificates of deposit increased as maturities repriced in the past year.

Provision for loan losses was a negative provision of \$1.2 million for the year ended December 31, 2018 compared to a negative provision of \$1.3 million for the year ended December 31, 2017.

Noninterest income increased \$357,000 for the year ended December 31, 2018 primarily due to increases in loan fees and a decrease in loss on sale of available for sale securities along with slight increases to cash surrender value of life insurance and other income. The loan fees increased primary due to increased prepayment penalties. The decrease in loss on sale of available for sale securities resulted from a sale of a municipal bond for a loss of \$107,000 in 2017 with no sales in 2018. Cash surrender value of life insurance increased as the earnings rate increased slightly. Other income increased primarily due to an increase in rental and wealth management income.

Compensation, payroll taxes, and other employee benefits expense increased \$890,000 due primarily to an increase in health insurance, salaries expense, and variable compensation offset by lower stock based compensation expenses. Occupancy, office furniture, and equipment increased due primarily to increased snow removal, maintenance and repair expense, and computer supplies. Advertising expense increased in order to promote our deposit offers. Professional fees increased due to consulting expenses throughout the year. Real estate owned expense decreased as there was a decrease in writedowns, decrease in management expense, and an increase in gain on sale of real estate owned. Other noninterest expense decreased resulting from a decrease in loan origination and FDIC assessment expenses.

Income tax expense decreased \$5.0 million to \$7.3 million for the year ended December 31, 2018. The decrease was primarily due to a lower federal income tax rate and the deferred tax revaluation in 2017. As a result of The Tax Cuts and Jobs Act that was enacted into law on December 22, 2017, the Company revalued its net deferred tax asset to reflect the reduction in its federal corporate income tax rate from 35% to 21%. This revaluation resulted in a one-time income tax expense of approximately \$2.7 million during the fourth quarter of 2017.

### Comparison of Mortgage Banking Segment Operations for the Years Ended December 31, 2018 and 2017

Net income from our mortgage banking segment decreased \$3.8 million to \$5.8 million for the year ended December 31, 2018 compared to \$9.6 million for the year ended December 31, 2017. We originated \$2.60 billion in mortgage loans held for sale during the year ended December 31, 2018, which was an increase of \$52.2 million, or 2.0%, from the \$2.55 billion originated during the year ended December 31, 2017. The increase in loan production volume was driven by a 4.1% increase in mortgage purchase products offset by a 14.0% decrease in refinance products. Total mortgage banking income decreased \$6.7 million, or 5.5%, to \$115.4 million during the year ended December 31, 2018 compared to \$122.1 million during the year ended December 31, 2017. Margins decreased approximately 7.9% for the year ended December 31, 2018 compared to December 31, 2017.

Our overall margin can be affected by the mix of both loan type (conventional loans versus governmental) and loan purpose (purchase versus refinance). Conventional loans include loans that conform to Fannie Mae and Freddie Mac standards, whereas governmental loans are those loans guaranteed by the federal government, such as a Federal Housing Authority or U.S. Department of Agriculture loan. Loans originated for the purchase of a residential property, which generally yield a higher margin than loans originated for refinancing existing loans, comprised 90.6% of total originations during the year ended December 31, 2018, compared to 88.8% of total originations during the year ended December 31, 2017. The mix of loan type trended slightly towards more conventional loans and less governmental loans comprising 69.7% and 30.3% of all loan originations, respectively, during the year ended December 31, 2018, compared to 64.5% and 35.5% of all loan originations, respectively, during the year ended December 31, 2017.

During the year ended December 31, 2018, mortgage servicing rights related to \$148.7 million in loans receivable with a book value of \$1.0 million were sold at a gain of \$417,000. During the year ended December 31, 2017, mortgage servicing rights related to \$295.1 million in loans receivable with a book value of \$2.3 million were sold at a gain of \$178,000.



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Total compensation, payroll taxes and other employee benefits decreased \$95,000, or 0.1%, to \$80.0 million for the year ended December 31, 2018 compared to \$80.1 million for the year ended December 31, 2017. The decrease primarily related to less commission expense, branch manager pay, and bonus expense. Offsetting those decreases, salary and health insurance increased with the additional branch network with the New Mexico branch acquisition. Occupancy, office furniture, and equipment expense increased as the number of branches increased with the addition of the New Mexico branches. Advertising expense increased as branches sought to generate origination volumes. Professional fees decreased primarily as there was less legal expenses during the year. Other noninterest expense decreased primarily due to lower branch overhead expense, provision for loan sale losses, and servicing fees.

Waterstone Mortgage Corporation originates loans in various states. The states where we originate greater than 10% of total activity are Florida and Wisconsin.

Comparison of Consolidated Waterstone Financial, Inc. Results of Operations for the Years Ended December 31, 2018 and 2017

	Years Ended December 31,			
	2018	2017		
	(Dollars in Thousands, except per share amounts)			
Net income	\$30,754	25,964		
Earnings per share - basic	1.12	0.95		
Earnings per share - diluted	1.11	0.93		
Return on assets	1.64	%	1.43	%
Return on equity	7.60	%	6.32	%

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Average Balance Sheets, Interest and Yields/Costs

The following table set forth average balance sheets, annualized average yields and costs, and certain other information for the periods indicated. Non-accrual loans were included in the computation of the average balances of loans receivable and held for sale. The yields set forth below include the effect of deferred fees, discounts and premiums that are amortized or accreted to interest income or expense. Yields on interest-earning assets are computed on a fully tax-equivalent yield, where applicable.

	Years Ended December 31,		2017		2016				Average Rate
	2018		Average	Average	Average	Average	Interest	Interest	
	Average Balance	Interest	Rate	Balance	Interest	Rate	Balance	Interest	
	(Dollars in Thousands)								
Interest-earning assets:									
Loans receivable and held for sale <sup>(1)</sup>	\$1,463,730	66,966	4.58 %	\$1,369,072	60,824	4.44 %	\$1,291,955	57,185	4.43 %
Mortgage related securities <sup>(2)</sup>	110,136	2,648	2.40 %	123,972	2,646	2.13 %	153,980	3,048	1.98 %
Debt securities, federal funds sold and short-term investments <sup>(2)(3)</sup>	178,594	4,399	2.46 %	198,962	4,317	2.17 %	198,475	4,317	2.18 %
Total interest-earning assets	1,752,460	74,013	4.22 %	1,692,006	67,787	4.01 %	1,644,410	64,550	3.93 %
Noninterest-earning assets									
Total assets	\$1,871,197			\$1,810,234			\$1,761,236		
Interest-bearing liabilities:									
Demand accounts	\$37,388	33	0.09 %	\$36,716	28	0.08 %	\$34,659	19	0.05 %
Money market and savings accounts	172,760	599	0.35 %	171,307	401	0.23 %	168,775	392	0.23 %
Certificates of deposit	709,102	10,995	1.55 %	671,982	7,310	1.09 %	674,310	6,953	1.03 %
Total interest-bearing deposits	919,250	11,627	1.26 %	880,005	7,739	0.88 %	877,744	7,364	0.84 %
Borrowings	427,301	7,896	1.85 %	403,163	8,623	2.14 %	381,803	12,928	3.39 %
Total interest-bearing liabilities	1,346,551	19,523	1.45 %	1,283,168	16,362	1.28 %	1,259,547	20,292	1.61 %
Noninterest-bearing liabilities									
Non-interest bearing deposits	96,648			89,785			76,016		
Other non-interest bearing liabilities	23,168			26,345			22,426		

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Total non-interest bearing liabilities	119,816		116,130		98,442	
Total liabilities	1,466,367		1,399,298		1,357,989	
Equity	404,830		410,936		403,247	
Total liabilities and equity	\$1,871,197		\$1,810,234		\$1,761,236	
Net interest income / Net interest rate spread <sup>(4)</sup>	54,490	2.77 %	51,425	2.73 %	44,258	2.32 %
Less: taxable equivalent adjustment	313	0.02 %	692	0.04 %	814	0.05 %
Net interest income / Net interest rate spread, as reported	54,177	2.75 %	50,733	2.69 %	43,444	2.27 %
Net interest-earning assets <sup>(5)</sup>	\$405,909		\$408,838		\$384,863	
Net interest margin <sup>(6)</sup>		3.09 %		3.00 %		2.64 %
Tax equivalent effect		0.02 %		0.04 %		0.05 %
Net interest margin on a fully tax equivalent basis		3.11 %		3.04 %		2.69 %
Average interest-earning assets to average interest-bearing liabilities	130.14	%	131.86	%	130.56	%

(1) Includes net deferred loan fee amortization income of \$622,000, \$689,000 and \$720,000 for the years ended December 31, 2018, 2017 and 2016, respectively.

(2) Includes available for sale securities.

Interest income from tax exempt securities is computed on a taxable equivalent basis using a tax rate of 21% for the year ended December 31, 2018 and 35% for the years ended December 31, 2017 and 2016. The yields on debt securities, federal funds sold and short-term investments before tax-equivalent adjustments were 2.29%, 1.82%, and 1.76% for the years ended December 31, 2018, 2017, and 2016, respectively.

(4) Net interest rate spread represents the difference between the yield on average interest-earning assets and the cost of

average interest-bearing liabilities and is presented on a fully tax equivalent basis.

(5) Net interest-earning assets represent total interest-earning assets less total interest-bearing liabilities.

(6) Net interest margin represents net interest income divided by average total interest-earning assets.

## Rate/Volume Analysis

The following table sets forth the effects of changing rates and volumes on our net interest income for the periods indicated. The rate column shows the effects attributable to changes in rate (changes in rate multiplied by prior volume). The volume column shows the effects attributable to changes in volume (changes in volume multiplied by prior rate). The net column represents the sum of the prior columns. For purposes of this table, changes attributable to changes in both rate and volume that cannot be segregated have been allocated proportionately based on the changes due to rate and the changes due to volume.

	Years Ended December 31, 2018 versus 2017			Years Ended December 31, 2017 versus 2016		
	Volume	Rate	Net	Volume	Rate	Net
Increase (Decrease) due to (In Thousands)						
Interest and dividend income:						
Loans receivable and held for sale <sup>(1) (2)</sup>	\$4,244	\$1,898	\$6,142	\$3,513	\$126	\$3,639
Mortgage related securities <sup>(3)</sup>	(313 )	315	2	(622 )	220	(402 )
Other interest-earning assets <sup>(3) (4)</sup>	(465 )	547	82	14	(14 )	-
Total interest-earning assets	3,466	2,760	6,226	2,905	332	3,237
Interest expense:						
Demand accounts	-	5	5	1	8	9
Money market and savings accounts	4	194	198	9	-	9
Certificates of deposit	376	3,309	3,685	(25 )	382	357
Total interest-bearing deposits	380	3,508	3,888	(15 )	390	375
Borrowings	575	(1,302)	(727 )	770	(5,075)	(4,305)
Total interest-bearing liabilities	955	2,206	3,161	755	(4,685)	(3,930)
Net change in net interest income	\$2,511	\$554	\$3,065	\$2,150	\$5,017	\$7,167

<sup>(1)</sup> Includes net deferred loan fee amortization income of \$622,000, \$689,000 and \$720,000 for the years ended December 31, 2018, 2017 and 2016, respectively.

<sup>(2)</sup> Non-accrual loans have been included in average loans receivable balance.

<sup>(3)</sup> Includes available for sale securities.

<sup>(4)</sup> Interest income from tax exempt securities is computed on a taxable equivalent basis using a tax rate of 21% for the year ended December 31, 2018 and 35% for the year ended December 31, 2017 and 2016.

Net Interest Income

Net interest income increased \$3.4 million, or 6.8%, to \$54.2 million during the year ended December 31, 2018 compared to \$50.7 million during the year ended December 31, 2017.

Interest income on loans increased \$6.1 million due to an increase in the average balance of loans of \$94.7 million and a 14 basis point increase in average yield on loans. The increase in the average balance was driven by a \$104.7 million, or 8.5%, increase in the average balance of loans held in portfolio partially offset by a decrease in the average balance of loans held for sale of \$10.1 million. The increase in average yield primarily related to higher offering and repricing rates due to the Federal Funds rate increases.

Interest income from mortgage related securities increased \$2,000 year over year due to a 27 basis point increase in the average yield. The increase in average yield was driven by an increase in the Federal Funds rate since March 2017. Offsetting the increase on yield, the average balance decreased \$13.8 million as securities have paid down and

less purchases have occurred to replace those securities due to current market conditions.

Interest income from other interest earning assets (comprised of debt securities, federal funds sold and short-term investments) increased \$461,000 due to a 47 basis point increase in the average yield. The increase in average yield was driven by an increase in the Federal Funds rate since March 2017 along with the increase in the dividend paid by the FHLB on its stock. The average balance decreased \$20.4 million to \$178.6 million. Municipal securities that matured throughout the past 12 months were not replaced due to market conditions. Those funds were primarily used to fund loan growth at the community banking segment.

Interest expense on time deposits increased \$3.7 million primarily due to a 46 basis point increase in the average cost of time deposits, as maturing time deposits have repriced, or have been replaced at a higher rate in the current competitive market. Along with the increase in rate, the average balance of time deposits increased \$37.1 million compared to the prior year.

Interest expense on money market and savings accounts increased \$198,000 due primarily to a 12 basis point increase in rate in order to respond to market demands. In addition, the average balance increased \$1.5 million.

Interest expense on borrowings decreased \$727,000 due to a decrease in the average cost of borrowings that resulted from the maturity and replacement of higher rate fixed-rate borrowings. The average cost of borrowings totaled 1.85% during the year ended December 31, 2018, compared to 2.14% during the year ended December 31, 2017. Partially offsetting the decrease in rate, average volume increased \$24.1 million to fund loan growth at the community banking segment.

Provision for Loan Losses

Our provision for loan losses amounted to a negative provision of \$1.1 million during the year ended December 31, 2018, compared to a negative provision of \$1.2 million during the year ended December 31, 2017. The negative provision in 2018 reflects recoveries received during the year and a continued improvement in the overall risk profile of the loan portfolio.

The provision is primarily a function of the Company's reserving methodology and assessments of certain quantitative and qualitative factors which are used to determine an appropriate allowance for loan losses for the period. See further discussion regarding the allowance for loan losses in the "Asset Quality" section for an analysis of charge-offs, nonperforming assets, specific reserves and additional provisions and the "Allowance for Loan Loss" section.

Noninterest Income

	Years Ended				
	December 31,		\$	%	
	2018	2017	Change	Change	
	(Dollars in Thousands)				
Service charges on loans and deposits	\$ 1,680	1,625	55	3.4	%
Increase in cash surrender value of life insurance	1,848	1,807	41	2.3	%
Mortgage banking income	113,151	120,044	(6,893 )	-5.7	%
Loss on sale of available for sale securities	-	(107 )	107	N/	M
Other	1,520	1,044	476	45.6	%
Total noninterest income	\$ 118,199	124,413	(6,214 )	(5.0	%)
N/M - Not meaningful					

Total noninterest income decreased \$6.2 million, or 5.0%, to \$118.2 million during the year ended December 31, 2018 compared to \$124.4 million during the year ended December 31, 2017. The decrease resulted primarily from a decrease in mortgage banking income.

The \$6.9 million decrease in mortgage banking income was primarily the result of a decrease in gross margin on loans sold at the mortgage banking segment of approximately 8%. Offsetting the decrease in margin, total loan origination volume on a consolidated basis increased \$51.5 million, or 2.1%, to \$2.51 billion during the year ended December 31, 2018 compared to \$2.46 billion during the year ended December 31, 2017. See "Comparison of Mortgage Banking Segment Operations for the Years Ended December 31, 2018 and 2017" above, for additional discussion of the decrease in mortgage banking income.

The increase in service charges on loans and deposits was related to an increase in loan prepayment fees in 2018. The increase in cash surrender value of life insurance was primarily due to the purchase of a \$2.5 million policy in June 2017 along with a higher earnings rate.

The \$107,000 loss on sale of securities in 2017 was due to a sale of a municipal bond in June 2017. There were no sales of securities in 2018.

The \$476,000 increase in other noninterest income was primarily due to an increase in gain on sale of mortgage servicing rights. A bulk sale of mortgage servicing rights resulted in a gain of \$417,000 during the year ended December 31, 2018 compared to a gain of \$178,000 on sales of mortgage servicing rights during the year ended December 31, 2017. In addition to the increase from the gain on sale of mortgage servicing rights, other noninterest income also increased due to increases from servicing fee income on loans sold, rental income, and wealth management revenue.

Noninterest Expenses

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	Years Ended December 31,		\$ Change	% Change	
	2018	2017			
	(Dollars in Thousands)				
Compensation, payroll taxes, and other employee benefits	\$97,784	97,084	700	0.7	%
Occupancy, office furniture and equipment	10,855	10,178	677	6.7	%
Advertising	4,123	3,333	790	23.7	%
Data processing	2,792	2,439	353	14.5	%
Communications	1,611	1,560	51	3.3	%
Professional fees	2,327	2,656	(329)	(12.4)	%
Real estate owned	1	379	(378)	(99.7)	%
Loan processing expense	3,372	3,062	310	10.1	%
Other	10,291	11,188	(897)	(8.0)	%
Total noninterest expenses	\$133,156	131,879	1,277	1.0	%

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Total noninterest expenses increased \$1.3 million, or 1.0%, to \$133.2 million during the year ended December 31, 2018 compared to \$131.9 million during the year ended December 31, 2017.

Compensation, payroll taxes and other employee benefit expense at our mortgage banking segment decreased \$95,000, or 0.1%, to \$80.0 million for the year ended December 31, 2018. The decrease primarily related to less commission expense, branch manager pay, and bonus expense. Offsetting those decreases, salary and health insurance increased with the additional branches added with the New Mexico branch acquisition in 2018. See additional discussion regarding New Mexico branches in Business Combination footnote.

Compensation, payroll taxes and other employee benefits expense at the community banking segment increased \$890,000, or 5.1%, to \$18.4 million during the year ended December 31, 2018. The increase was primarily due to health insurance, salaries expense, and variable compensation offset by lower stock-based compensation expenses. Occupancy, office furniture and equipment expense at the mortgage banking segment increased \$497,000 to \$7.5 million during the year ended December 31, 2018 compared to the prior year resulting from additional rent and depreciation expense in the current year compared to the prior year due to the addition of the New Mexico branches during 2018.

Occupancy, office furniture and equipment expense at the community banking segment increased \$180,000 to \$3.3 million during the year ended December 31, 2018 compared to the prior year. The increase was primarily related to snow removal, maintenance and repair expense, and computer supplies.

Advertising expense increased as a result of increased advertising efforts to generate more volume at the mortgage banking segment branches and promote deposit offers at the community banking segment.

Data processing expense increased \$353,000 to \$2.8 million during the year ended December 31, 2018. This was primarily due to increases at the mortgage banking segment with the addition of the New Mexico branches.

Professional fees expense decreased as a result of a decrease in consulting, accounting, and legal expense at the mortgage banking segment offset by an increase in consulting at the community banking segment.

Net real estate owned expense decreased \$378,000, to \$1,000 of expense during the year ended December 31, 2018 compared to \$379,000 of expense during the year ended December 31, 2017. Property management expense, not including gains/losses on sales of real estate owned, decreased \$138,000 to \$266,000 during 2018 compared to 2017 due to a reduction in the number of properties under management during the year. Real estate owned writedowns decreased \$206,000 to \$308,000 for 2018. Net gains on sales of real estate owned increased \$35,000 to \$574,000 during 2018.

Loan processing expense increased \$310,000 to \$3.4 million during the year ended December 31, 2018. This was driven by an increase in credit report fees at the mortgage banking segment.

Other noninterest expense decreased \$897,000 to \$10.3 million primarily due to decreased expense at the mortgage banking segment. The mortgage banking segment expense decreased primarily from lower branch overhead and lower provision for losses on loans sold. The community banking segment expense decreased primarily from lower loan origination and FDIC assessment expenses.

### Income Taxes

Income tax expense decreased \$8.9 million to \$9.5 million during the year ended December 31, 2018, compared to \$18.5 million during the year ended December 31, 2017. Income tax expense was recognized during the year ended December 31, 2018 at an effective rate of 23.6% compared to an effective rate of 41.6% during the year ended December 31, 2017. The decrease in the effective rate primarily resulted from the federal tax rate decrease from 35% to 21% as a result of The Tax Cuts and Jobs Act that was enacted into law on December 22, 2017. During the year ended December 31, 2018, the Company recognized a benefit of approximately \$197,000 related to stock awards exercised compared to a benefit of \$881,000 recognized during the year ended December 31, 2017.

As a result of The Tax Cuts and Jobs Act, the Company revalued its net deferred tax asset to reflect the reduction in its federal corporate income tax rate from 35% to 21%. This revaluation resulted in a one-time income tax expense of approximately \$2.7 million during the fourth quarter of 2017.



Comparison of Community Banking Segment Operations for the Years Ended December 31, 2017 and 2016

Net income from our community banking segment for the year ended December 31, 2017 totaled \$16.4 million compared to net income of \$14.0 million for the year ended December 31, 2016. Net interest income increased \$7.7 million to \$50.6 million for the year ended December 31, 2017 compared to \$42.9 million for the year ended December 31, 2016 due to an increase in average loan balances and a reduction in our overall cost of funding. The long-term borrowings that matured during 2017 and 2016 were replaced with a lower cost mix of funding, including long and short-term borrowings and deposits raised through our retail network. Provision for loan losses decreased \$1.5 million as asset quality metrics continued to improve. Noninterest income decreased \$677,000 for the year ended December 31, 2017 as loan prepayment fees decreased and there was a \$107,000 loss on sale of securities partially offset by an increase in the cash surrender value of life insurance.

Compensation, payroll taxes, and other employee benefits expense increased \$303,000 to \$17.5 million primarily due to increases in salary expense along with an increase in ESOP expense, offset by a decrease in health insurance cost. FDIC premiums and real estate owned expense decreased as asset quality improved and we experienced a reduction of foreclosed properties. Occupancy, office furniture, and equipment decreased due primarily to lower depreciation expense. Those decreases were partially offset by an increase in other noninterest expense resulting from an increase in loan originations.

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Income tax expense increased \$5.2 million to \$12.2 million for the year ended December 31, 2017. The increase was primarily due to higher pretax income and the deferred tax revaluation. As a result of The Tax Cuts and Jobs Act that was enacted into law on December 22, 2017, the Company revalued its net deferred tax asset to reflect the reduction in its federal corporate income tax rate from 35% to 21%. This revaluation resulted in a one-time income tax expense of approximately \$2.7 million during the fourth quarter of 2017.

### Comparison of Mortgage Banking Segment Operations for the Years Ended December 31, 2017 and 2016

Net income from our mortgage banking segment for the year ended December 31, 2017 totaled \$9.6 million compared to net income of \$12.3 million for the year ended December 31, 2016. We originated \$2.46 billion in mortgage loans held for sale during the year ended December 31, 2017, which was an increase of \$79.4 million, or 3.3%, from the \$2.38 billion originated during the year ended December 31, 2016. The increase in loan production volume was driven by a 12.2% increase in mortgage purchase products offset by a 31.6% decrease in refinance products. The loans sold volume also increased \$213.5 million to \$2.53 billion during the year ended December 31, 2017. Total mortgage banking income decreased \$1.0 million, or 0.8%, to \$120.0 million during the year ended December 31, 2017 compared to \$121.1 million during the year ended December 31, 2016. Margins decreased approximately 3.3% for the year ended December 31, 2017 compared to December 31, 2016.

Our overall margin can be affected by the mix of both loan type (conventional loans versus governmental) and loan purpose (purchase versus refinance). Conventional loans include loans that conform to Fannie Mae and Freddie Mac standards, whereas governmental loans are those loans guaranteed by the federal government, such as a Federal Housing Authority or U.S. Department of Agriculture loan. Loans originated for the purchase of a residential property, which generally yield a higher margin than loans originated for refinancing existing loans, comprised 88.8% of total originations during the year ended December 31, 2017, compared to 82.9% of total originations during the year ended December 31, 2016. The mix of loan type trended slightly towards more governmental loans and less conventional loans comprising 35.5% and 64.5% of all loan originations, respectively, during the year ended December 31, 2017, compared 34.9% and 65.1% of all loan originations, respectively, during the year ended December 31, 2016.

During the year ended December 31, 2017, mortgage servicing rights related to \$295.1 million in loans receivable with a book value of \$2.3 million were sold at a gain of \$178,000. During the year ended December 31, 2016, no mortgage servicing rights were sold.

Total compensation, payroll taxes and other employee benefits increased \$1.8 million, or 2.3%, to \$80.1 million for the year ended December 31, 2017 compared to \$78.3 million for the year ended December 31, 2016. The increase in compensation within our mortgage banking segment correlated to the increase in loan production due to the commission-based compensation structure in place for our mortgage banking loan officers along with the additional branches brought on during the year. Occupancy, office furniture, and equipment expense increased as we added branches during the year. Other noninterest expense increased \$1.4 million to \$19.0 million as volume-based expenses increased and profitability at the branches decreased.

### Comparison of Consolidated Waterstone Financial, Inc. Results of Operations for the Years Ended December 31, 2017 and 2016

Years Ended  
December 31,  
2017      2016  
(Dollars in  
Thousands, except  
per share amounts)

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Net income	\$25,964	25,532		
Earnings per share - basic	0.95	0.94		
Earnings per share - diluted	0.93	0.93		
Return on assets	1.43	%	1.45	%
Return on equity	6.32	%	6.33	%

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Net Interest Income

Net interest income increased \$7.3 million, or 16.8%, to \$50.7 million during the year ended December 31, 2017 compared to \$43.4 million during the year ended December 31, 2016.

Interest income on loans increased \$3.6 million due to an increase in average balance of \$77.1 million and a one basis point increase in average yield on loans. The increase in average loan balance was driven by a \$98.7 million increase in the average balance of loans held in portfolio partially offset by a decrease in the average balance of loans held for sale of \$21.6 million.

Interest income from mortgage related securities decreased \$402,000 year over year due to a \$30.0 million decrease in average balance as securities have paid down and less purchases have occurred to replace those securities as those funds were used to support loan growth.

Interest income from other interest earning assets (comprised of debt securities, federal funds sold and short-term investments) increased due to a six basis point increase in the average yield. The increase in average yield was driven by a 75 basis point increase in the Federal Funds rate since December 2016. The average balance remained relatively flat at \$199.0 million. Municipal securities that matured during the year and were not replaced due to market conditions. Those funds were primarily held in a cash account.

Interest expense on time deposits increased \$357,000 primarily due to a six basis point increase in the average cost of funds, as maturing time deposits have repriced, or have been replaced at a higher rate in the current competitive market. Partially offsetting the increase in rate, the average balance of time deposits decreased \$2.3 million for the year ended December 31, 2017.

Interest expense on money market and savings accounts increased \$9,000 due to an increase in average balance. The increase in volume reflects the Company's strategy to remain competitive and grow this segment of retail funds

Interest expense on borrowings decreased \$4.3 million due to a decrease in the average cost of borrowings that resulted from the maturity and replacement of fixed rate borrowings. The average cost of borrowings totaled 2.14% during the year ended December 31, 2017, compared to 3.39% during the year ended December 31, 2016.

Provision for Loan Losses

Our provision for loan losses decreased \$1.5 million, to a negative provision of \$1.2 million during the year ended December 31, 2017, from a provision of \$380,000 during the year ended December 31, 2016. The negative provision recorded during the current year period reflects the continued improvement in loan quality metrics including: non-accrual loans, loans rated substandard or watch, and loans past due.

The provision is primarily a function of the Company's reserving methodology and assessments of certain quantitative and qualitative factors which are used to determine an appropriate allowance for loan losses for the period. See further discussion regarding the allowance for loan losses in the "Asset Quality" section for an analysis of charge-offs, nonperforming assets, specific reserves and additional provisions and the "Allowance for Loan Loss" section.

Noninterest Income

	Years Ended December 31,			
	2017	2016	\$ Change	% Change
	(Dollars in Thousands)			
Service charges on loans and deposits	\$ 1,625	2,232	(607 )	(27.2 )%
Increase in cash surrender value of life insurance	1,807	1,767	40	2.3 %
Mortgage banking income	120,044	121,069	(1,025 )	(0.8 )%
Gain on sale of available for sale securities	(107 )	-	(107 )	N/ M
Other	1,044	1,297	(253 )	(19.5 )%

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Total noninterest income	\$124,413	126,365	(1,952 )	(1.5 )%
N/M - Not meaningful				

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Total noninterest income decreased \$2.0 million, or 1.5%, to \$124.4 million during the year ended December 31, 2017 compared to \$126.4 million during the year ended December 31, 2016. The decrease resulted primarily from a decrease in mortgage banking income and a decrease in service charges on loans and deposits.

The decrease in mortgage banking income was the result of a decrease in margin of approximately 3.3%. Partially offsetting the margin decrease, origination volume increased \$79.4 million, or 3.3%, to \$2.46 billion during the year ended December 31, 2017 compared to a \$2.38 billion during the year ended December 31, 2016. See "Comparison of Mortgage Banking Segment Operations for the Years Ended December 31, 2017 and 2016" above, for additional discussion of the decrease in mortgage banking income.

The decrease in service charges on loans and deposits was related to an decrease in loan prepayment penalties in 2017.

The increase in cash surrender value of life insurance was related to the additional earnings on the \$10.0 million policy purchased in March 2016 and a \$2.5 million policy in June 2017.

The \$107,000 loss on sale of securities was due to a sale of a municipal bond in June 2017. There were no sales of securities in 2016.

The \$253,000 decrease in other noninterest income was primarily due to a decrease in servicing fee income on loans sold as a result of the bulk sale of mortgage servicing rights in early 2017. Offsetting the decrease in servicing fee income, there was a bulk sale of mortgage servicing rights resulting in a gain of \$178,000 during the year ended December 31, 2017 compared to no gain on sales of mortgage servicing rights during the year ended December 31, 2016.

### Noninterest Expenses

	Years Ended December 31,				
	2017	2016	\$ Change	%Change	
	(Dollars in Thousands)				
Compensation, payroll taxes, and other employee benefits	\$97,084	95,056	2,028	2.1	%
Occupancy, office furniture and equipment	10,178	9,347	831	8.9	%
Advertising	3,333	2,743	590	21.5	%
Data processing	2,439	2,520	(81)	(3.2)	)%
Communications	1,560	1,462	98	6.7	%
Professional fees	2,656	2,135	521	24.4	%
Real estate owned	379	399	(20)	(5.0)	)%
Loan processing expense	3,062	2,875	187	6.5	%
Other	11,188	10,898	290	2.7	%
Total noninterest expenses	\$131,879	127,435	4,444	3.5	%

Total noninterest expenses increased \$4.4 million, or 3.5%, to \$131.9 million during the year ended December 31, 2017 compared to \$127.4 million during the year ended December 31, 2016.

Compensation, payroll taxes and other employee benefit expense at the mortgage banking segment increased \$1.8 million to \$80.1 million. The increase in compensation within our mortgage banking segment correlated to the increase in loan production due to the commission-based compensation structure in place for our mortgage banking loan officers along with the additional staffing associated with branches brought on during the year.

Compensation, payroll taxes and other employee benefits expense at the community banking segment increased \$303,000 primarily due to ESOP expense along with an increase to salaries partially offset by a decrease in health insurance. ESOP expense increased due to the increased average stock price of the shares throughout 2017. Salaries also increased due to annual wage increases. Health insurance decreased as claims have been lower in 2017 compared

to 2016.

Occupancy, office furniture and equipment expense at the mortgage banking segment increased \$869,000 primarily due to additional rent expense in the current year compared to prior year due to the addition of branches. Offsetting the rent increase, there was less depreciation expense during the year ended December 31, 2017 compared to the prior year.

Occupancy, office furniture and equipment expense at the community banking segment decreased \$38,000 primarily due to less depreciation expense during the year ended December 31, 2017 compared to the prior year.

Advertising expense increased as a result of increased advertising efforts to generate more volume at the mortgage banking segment branches.

Professional fees expense increased as a result of an increase in legal fees at the mortgage banking segment, primarily related to ongoing litigation. Audit and tax expense increased at the community banking segment.

Net real estate owned expense decreased \$20,000, to \$379,000 of expense during the year ended December 31, 2017 compared to \$399,000 of expense during the year ended December 31, 2016. Property management expense, aside from gains/losses on sales of real estate owned, decreased \$192,000 to \$404,000 during 2017 compared to 2016 due to a reduction in the number of properties under management during the year. Real estate owned writedowns decreased \$142,000 to \$514,000 for 2017 compared to \$656,000 for 2016. Offsetting those decreases to real estate owned expense, net gains on sales of real estate owned decreased \$314,000 to \$539,000 during 2017 compared to \$853,000 during 2016.

Other noninterest expense increased at both the community banking and mortgage banking segments. The community banking increased primarily due to higher loan originations. The mortgage banking segment increase was primarily due to a higher branch losses as profitability slowed.

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## Income Taxes

Income tax expense increased \$2.0 million to \$18.5 million during the year ended December 31, 2017, compared to \$16.5 million during the year ended December 31, 2016. Income tax expense was recognized during the year ended December 31, 2017 at an effective rate of 41.6% compared to an effective rate of 39.2% during the year ended December 31, 2016.

As a result of The Tax Cuts and Jobs Act that was enacted into law on December 22, 2017, the Company revalued its net deferred tax asset to reflect the reduction in its federal corporate income tax rate from 35% to 21%. This revaluation resulted in a one-time income tax expense of approximately \$2.7 million during the fourth quarter of 2017.

During the year ended December 31, 2016, all of the non-qualified options granted in 2007 that gave rise to the deferred tax asset were exercised and a tax deduction was realized to the extent that the exercise price exceeded the option strike price. The amount of the deduction realized by the Company was significantly less than the deferred tax asset. As a result, the remaining deferred tax asset was written off and the Company recognized \$658,000 in additional income tax expense during the year ended December 31, 2016. The revaluation is subject to adjustment in future periods.

## Liquidity and Capital Resources

We maintain liquid assets at levels we consider adequate to meet our liquidity needs. The liquidity ratio is equal to average daily cash and cash equivalents for the period divided by average total assets. We adjust our liquidity levels to fund loan commitments, repay our borrowings, fund deposit outflows and pay real estate taxes on mortgage loans. We also adjust liquidity as appropriate to meet asset and liability management objectives. The operational adequacy of our liquidity position at any point in time is dependent upon the judgment of the Chief Financial Officer as supported by the Asset/Liability Committee. Liquidity is monitored on a daily, weekly and monthly basis using a variety of measurement tools and indicators. Regulatory liquidity, as required by the WDFI, is based on current liquid assets as a percentage of the prior month's average deposits and short-term borrowings. Minimum primary liquidity is equal to 4.0% of deposits and short-term borrowings and minimum total regulatory liquidity is equal to 8.0% of deposits and short-term borrowings. The Bank's primary and total regulatory liquidity at December 31, 2018 were 11.1% and 23.0%, respectively.

Our primary sources of liquidity are deposits, amortization and repayment of loans, sales of loans held for sale, maturities of investment securities and other short-term investments, and earnings and funds provided from operations. While scheduled principal repayments on loans are a relatively predictable source of funds, deposit flows and loan repayments are greatly influenced by market interest rates, economic conditions, and rates offered by our competitors. We set the interest rates on our deposits to maintain a desired level of total deposits. In addition, we invest excess funds in short-term, interest-earning assets, which provide liquidity to meet lending requirements. Additional sources of liquidity used to manage long- and short-term cash flows include advances from the FHLB.

A portion of our liquidity consists of cash and cash equivalents, which are a product of our operating, investing and financing activities. At December 31, 2018 and 2017, \$86.1 million and \$48.6 million, respectively, of our assets were invested in cash and cash equivalents. Our primary sources of cash are principal repayments on loans, proceeds from the calls and maturities of debt and mortgage related securities, increases in deposit accounts, Federal funds purchased and advances from the FHLB.

Our cash flows are derived from operating activities, investing activities and financing activities as reported in our Consolidated Statements of Cash Flows included in our Consolidated Financial Statements.

During the years ended December 31, 2018, 2017, and 2016, we originated \$2.51 billion, \$2.46 billion, and \$2.38 billion in loans for sale and sold loans of \$2.63 billion, \$2.66 billion, and \$2.44 billion. During the years ended



December 31, 2018, 2017, and 2016 loan originations net of loan repayments resulted in a negative cash flows of \$87.6 million, \$116.9 million and \$68.1 million. The growth in loans receivable reflects the Bank's focus on growing single family, multi-family residential property, and commercial real estate loans. Cash received from the principal repayments of debt and mortgage related securities and maturity and calls of debt securities totaled \$39.0 million, \$48.7 million and \$54.8 million for the years ended December 31, 2018, 2017 and 2016, respectively. We purchased \$28.1 million, \$23.0 million and \$14.5 million in debt securities and mortgage related securities classified as available for sale during the years ended December 31, 2018, 2017 and 2016, respectively. We sold a \$448,000 available for sale debt security during the year ended December 31, 2017. There were no securities sold during the years ended December 31, 2018 and 2016. The net increases in deposits were \$71.1 million, \$18.0 million and \$56.1 million for the years ending December 31, 2018, 2017, and 2016. We received a \$474,000 death benefit on a bank owned life insurance policy in 2018. There was a net increase in borrowings of \$48.8 million for the year ended December 31, 2018. During the years ended December 31, 2017 and 2016, the net decreases in borrowings were \$870,000 and \$54.0 million. During the years ended December 31, 2018, 2017, and 2016, we repurchased common stock of \$19.2 million, \$2.2 million, and \$3.9 million, respectively. During the years ended December 31, 2018, 2017, and 2016, we paid cash dividends on common stock of \$27.1 million, \$27.0 million, and \$6.9 million, respectively.

Deposits increased by \$71.1 million from December 31, 2017 to December 31, 2018. The increase in deposits was the result of a \$9.5 million increase in demand deposits, \$14.7 million increase in money market and savings, and \$46.9 million increase in certificates of deposits. Deposit flows are generally affected by the level of interest rates, market conditions and products offered by local competitors and other factors.

Liquidity management is both a daily and longer-term function of business management. If we require funds beyond our ability to generate them internally, borrowing agreements exist with the FHLB which provide an additional source of funds. At December 31, 2018, we had \$430.0 million in long term advances from the FHLB with contractual maturity dates in 2027, and 2028. The 2027 advance maturities have single call options in May 2019, June 2019, August 2019, and December 2019. The 2028 advance maturities have single call options in March 2020, March 2021, May 2020, and May 2021, along with two advances that have quarterly call options beginning in June 2020 and September 2020. As an additional source of funds, the mortgage banking segment has a repurchase agreement. At December 31, 2018, we had \$5.0 million outstanding under the repurchase agreement with a total outstanding commitment of \$35.0 million.

At December 31, 2018, we had outstanding commitments to originate loans receivable of \$33.8 million. In addition, at December 31, 2018, we had unfunded commitments under construction loans of \$79.8 million, unfunded commitments under business lines of credit of \$16.8 million and unfunded commitments under home equity lines of credit and standby letters of credit of \$15.8 million. At December 31, 2018, certificates of deposit scheduled to mature in less than one year totaled \$472.5 million. Based on prior experience, management believes that a significant portion of such deposits will remain with us, although there can be no assurance that this will be the case. In the event a significant portion of our deposits are not retained by us, we will have to utilize other funding sources, such as Federal Home Loan Bank of Chicago advances, Federal Reserve Discount Window or brokered deposits to maintain our level of assets. However, such borrowings may not be available on attractive terms, or at all, if and when needed. Alternatively, we would reduce our level of liquid assets, such as our cash and cash equivalents and securities available for sale in order to meet funding needs. In addition, the cost of such deposits may be significantly higher if market interest rates are higher or there is an increased amount of competition for deposits in our market area at the time of renewal.

Waterstone Financial, Inc. and WaterStone Bank are subject to various regulatory capital requirements, including a risk-based capital measure. The risk-based capital guidelines include both a definition of capital and a framework for calculating risk-weighted assets by assigning assets and off-balance sheet items to broad risk categories. At December 31, 2018, Waterstone Financial, Inc. and WaterStone Bank exceeded all regulatory capital requirements and is considered “well capitalized” under regulatory guidelines. See “Supervision and Regulation—Capital Requirements” and Note 9 of the notes to the consolidated financial statements.

#### Capital

Shareholders' equity decreased \$12.4 million, or 3.0%, to \$399.7 million at December 31, 2018 from \$412.1 million at December 31, 2017. Shareholders' equity decreased primarily due to the declaration of regular dividends and a special dividend, the repurchase of stock, and the decrease in the fair value of the security portfolio. Partially offsetting the decreases were increases to net income, additional paid in capital as stock options were exercised, and unearned ESOP shares as they continue to vest.

The Company's Board of Directors authorized the fifth stock repurchase program in the fourth quarter of 2018. The timing of the purchases will depend on certain factors, including but not limited to, market conditions and prices, available funds and alternative uses of capital. The stock repurchase program may be carried out through open-market purchases, block trades, negotiated private transactions and pursuant to a trading plan that will be adopted in accordance with Rule 10b5-1 under the Securities Exchange Act of 1934. Repurchased shares are held by the Company as authorized but unissued shares.

The Company had repurchased 7,035,053 shares at an average price of \$13.62 under previously approved stock repurchase plans as of December 31, 2018. The Company is authorized to purchase up to 692,700 additional shares under the current approved stock repurchase program as of December 31, 2018. The Company also repurchased shares for minimum tax withholding settlements on equity compensation. These purchases are not included in the 7,035,053 total above and do not count against the maximum number of shares that may yet be purchased under the Board of Directors' authorization.

#### Contractual Obligations, Commitments, Contingent Liabilities, and Off-balance Sheet Arrangements

WaterStone Bank has various financial obligations, including contractual obligations and commitments that may require future cash payments. The following tables present information indicating various non-deposit contractual obligations and commitments of WaterStone Bank as of December 31, 2018 and the respective maturity dates.

#### Contractual Obligations

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	Total	Less	One Year or Through Three Years	More Than One Year Through Five Years	More Than Three Years Through Five Years	Over Five Years
(In Thousands)						
Deposits without a stated maturity <sup>(3)</sup>	\$302,622	\$302,622	\$-	\$-	\$-	\$-
Certificates of deposit <sup>(3)</sup>	735,873	472,540	260,097	3,236	-	-
Repurchase agreements <sup>(3)</sup>	5,046	5,046	-	-	-	-
Federal Home Loan Bank advances <sup>(1)</sup>	430,000	-	-	-	-	430,000
Operating leases <sup>(2)</sup>	10,405	3,454	4,224	1,813	914	914
Total Contractual Obligations	\$1,483,946	\$783,662	\$264,321	\$5,049	\$430,914	\$430,914

<sup>(1)</sup> Secured under a blanket security agreement on qualifying assets, principally, mortgage loans. Excludes interest that will accrue on the advances.

<sup>(2)</sup> Represents non-cancellable operating leases for offices and equipment.

<sup>(3)</sup> Excludes interest.

The following table details the amounts and expected maturities of significant off-balance sheet commitments as of December 31, 2018. Commitments to extend credit are agreements to lend to a customer as long as there is no violation of any condition established in the contract and generally have fixed expiration dates or other termination clauses.

## Other Commitments

	Total	One Year or Less	More than One Year through Three Years	More than Three Years Through Five Years	Over Five Years
	(In Thousands)				
Real estate loan commitments <sup>(1)</sup>	\$33,762	\$33,762	\$ -	\$ -	\$ -
Unused portion of home equity lines of credit <sup>(2)</sup>	14,903	14,903	-	-	-
Unused portion of construction loans <sup>(3)</sup>	79,776	79,776	-	-	-
Unused portion of business lines of credit	16,778	16,778	-	-	-
Standby letters of credit	860	860	-	-	-

<sup>(1)</sup> Commitments for loans are extended to customers for up to 90 days after which they expire.

<sup>(2)</sup> Unused portions of home equity loans are available to the borrower for up to 10 years.

<sup>(3)</sup> Unused portions of construction loans are available to the borrower for up to one year.

## Contingent Liabilities

## Herrington et al. v. Waterstone Mortgage Corporation

Waterstone Mortgage Corporation is a defendant in a class action lawsuit that was filed in the United States District Court for the Western District of Wisconsin and subsequently compelled to arbitration before the American Arbitration Association. The plaintiff class alleged that Waterstone Mortgage Corporation violated certain provisions of the Fair Labor Standards Act (FLSA) and failed to pay loan officers consistent with their employment agreements. On July 5, 2017, the arbitrator issued a Final Award finding Waterstone Mortgage Corporation liable for unpaid minimum wages, overtime, unreimbursed business expenses, and liquidated damages under the FLSA. On December 8, 2017, the District Court confirmed the award in large part, and entered a judgment against Waterstone in the amount of \$7,267,919 in damages to Claimants, \$3,298,851 in attorney fees and costs, and a \$20,000 incentive fee to Plaintiff Herrington, plus post-judgment interest. On February 12, 2018, the District Court awarded post-arbitration fees and costs of approximately \$98,000. The judgment was appealed by Waterstone to the Seventh Circuit Court of Appeals, where oral argument was held on May 29, 2018. On October 22, 2018, the Seventh Circuit issued a ruling vacating the District Court's order enforcing the arbitration award. If the District Court determines the agreement only allows for individual arbitration, the award would be vacated and the case sent to individual arbitration for a new proceeding. If the District Court determines the arbitration agreement nevertheless allows for collective arbitration, the District Court could confirm the prior award.

On December 28, 2018, Plaintiff filed her post-remand brief. In it, Plaintiff asks the Court to reaffirm the arbitration award entered by Arbitrator Pratt in full. Alternatively, she asked the Court to affirm her individual damage award and the awards of 123 other opt-ins whose arbitration agreements permit joinder or class actions. Lastly, Plaintiff asked the Court to have 154 opt-ins intervene and file an amended complaint for individual relief in court. Waterstone opposed the motion on January 28, 2019, and asked the Court to vacate the prior Final Award in full because Herrington's arbitration agreement only allows for individual arbitration. Plaintiff filed its reply on February 14, 2019.

If the judgment is upheld in full, the Company has estimated that the award, which includes attorney's fees, costs, and interest, could be as high as \$11 million. However, Waterstone has meaningful appellate rights and intends to vigorously defend its interests in this matter, including arguing for complete reversal on appeal. Although the Company believes there is a strong basis to vacate the award, there remains a reasonable possibility that the Court's judgment will be affirmed in whole or in part, with the possible range of loss from \$0 to \$11 million. We do not believe that the loss is probable at this time, as that term is used in assessing loss contingencies. Accordingly, in accordance with the authoritative guidance in the evaluation of contingencies, the Company has not recorded an accrual related to this matter.

Werner et al. v. Waterstone Mortgage Corporation

Waterstone Mortgage Corporation is a defendant in a putative collection action lawsuit that was filed on August 4, 2017 in the United States District Court for the Western District of Wisconsin, Werner et al. v. Waterstone Mortgage Corporation. Plaintiffs allege that Waterstone Mortgage Corporation violated the Fair Labor Standards Act (FLSA) by failing to pay loan officers minimum and overtime wages. On October 26, 2017, Plaintiffs moved for conditional certification and to provide notice to the putative class. On February 9, 2018, the Court denied Plaintiffs' motion for conditional certification and notice.

On July 23, 2018, Waterstone filed a motion for partial summary judgment on the claims. It sought to (1) dismiss the time-barred claims of 4 opt-ins and (2) dismiss all other opt-ins due to the denial of conditional certification. In response, all but Werner and Wiesneski filed motions to withdraw their consents to join the case. The Court denied the summary judgment motion on the basis that it was moot due to the opt-in plaintiffs voluntarily dismissing their case.

On October 17, 2018, Werner and Wiesneski asked the Court to send their claims to arbitration. On December 13, 2018, the Court denied the request, finding they had waived their right to arbitrate based on litigating the case in Court for over a year. Thus, the case remained in Court as a two-Plaintiff case.

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As of February 2019, the parties have reached a settlement in principle to resolve the claims. The amount of the settlement would not have a material impact to the financial statements. The parties are working on finalizing the terms of settlement.

### Impact of Inflation and Changing Prices

The financial statements and accompanying notes have been prepared in accordance with accounting principles generally accepted in the United States ("GAAP"). GAAP generally requires the measurement of financial position and operating results in terms of historical dollars without consideration for changes in the relative purchasing power of money over time due to inflation. The impact of inflation is reflected in the increased cost of our operations. Unlike industrial companies, our assets and liabilities are primarily monetary in nature. As a result, changes in market interest rates have a greater impact on performance than do the effects of inflation.

### Quarterly Financial Information

The following table sets forth certain unaudited quarterly data for the periods indicated:

	Quarter Ended			
	March	June 30	September	December
	31	30	30	31
	(In thousands, except per share data)			
2018 (unaudited)				
Interest income	\$ 16,963	\$ 18,363	\$ 19,046	\$ 19,328
Interest expense	3,822	4,643	5,196	5,862
Net interest income	13,141	13,720	13,850	13,466
Provision (credit) for loan losses	(880 )	(220 )	40	-
Net interest income after provision for loan losses	14,021	13,940	13,810	13,466
Total noninterest income	25,183	33,318	34,062	25,636
Total noninterest expense	30,147	34,737	36,426	31,846
Income before income taxes	9,057	12,521	11,446	7,256
Income taxes	2,104	3,101	2,743	1,578
Net income	\$ 6,953	\$ 9,420	\$ 8,703	\$ 5,678
Income per share – basic	\$ 0.25	\$ 0.34	\$ 0.32	\$ 0.11
Income per share - diluted	\$ 0.25	\$ 0.34	\$ 0.31	\$ 0.21
2017 (unaudited)				
Interest income	\$ 15,786	\$ 16,540	\$ 17,453	\$ 17,316
Interest expense	3,891	4,059	4,420	3,992
Net interest income	11,895	12,481	13,033	13,324
Provision for loan losses	(1,211 )	25	20	-
Net interest income after provision for loan losses	13,106	12,456	13,013	13,324
Total noninterest income	25,937	37,241	33,054	28,181
Total noninterest expense	29,058	36,187	34,316	32,318
Income before income taxes	9,985	13,510	11,751	9,187
Income taxes	3,413	4,622	4,362	6,072
Net income	\$ 6,572	\$ 8,888	\$ 7,389	\$ 3,115
Income per share – basic	\$ 0.24	\$ 0.32	\$ 0.27	\$ 0.11
Income per share - diluted	\$ 0.24	\$ 0.32	\$ 0.26	\$ 0.11



Item 7A. Quantitative and Qualitative Disclosures About Market Risk

## Management of Market Risk

General. The majority of our assets and liabilities are monetary in nature. Consequently, our most significant form of market risk is interest rate risk. Our assets, consisting primarily of mortgage loans, have longer maturities than our liabilities, consisting primarily of deposits. As a result, a principal part of our business strategy is to manage interest rate risk and reduce the exposure of our net interest income to changes in market interest rates. Accordingly, WaterStone Bank's board of directors has established an Asset/Liability Committee which is responsible for evaluating the interest rate risk inherent in our assets and liabilities, for determining the level of risk that is appropriate given our business strategy, operating environment, capital, liquidity and performance objectives, and for managing this risk consistent with the guidelines approved by the board of directors. Management monitors the level of interest rate risk on a regular basis and the Asset/Liability Committee meets at least weekly to review our asset/liability policies and interest rate risk position, which are evaluated quarterly.

We have sought to manage our interest rate risk in order to minimize the exposure of our earnings and capital to changes in interest rates. We have implemented the following strategies to manage our interest rate risk: (i) emphasizing variable rate loans including variable rate one- to four-family, and commercial real estate loans as well as three to five year commercial real estate balloon loans; (ii) reducing and shortening the expected average life of the investment portfolio; and (iii) whenever possible, lengthening the term structure of our deposit base and our borrowings from the FHLBC. These measures should reduce the volatility of our net interest income in different interest rate environments.

Income Simulation. Simulation analysis is an estimate of our interest rate risk exposure at a particular point in time. At least quarterly we review the potential effect changes in interest rates may have on the repayment or repricing of rate sensitive assets and funding requirements of rate sensitive liabilities. Our most recent simulation uses projected repricing of assets and liabilities at December 31, 2018 on the basis of contractual maturities, anticipated repayments and scheduled rate adjustments. Prepayment rate assumptions may have a significant impact on interest income simulation results. Because of the large percentage of loans and mortgage-backed securities we hold, rising or falling interest rates may have a significant impact on the actual prepayment speeds of our mortgage related assets that may in turn affect our interest rate sensitivity position. When interest rates rise, prepayment speeds slow and the average expected lives of our assets would tend to lengthen more than the expected average lives of our liabilities and therefore would most likely have a positive impact on net interest income and earnings.

The following interest rate scenario displays the percentage change in net interest income over a one-year time horizon assuming increases of 100, 200 and 300 basis points and a decrease of 100 basis points. The results incorporate actual cash flows and repricing characteristics for balance sheet accounts following an instantaneous parallel change in market rates based upon a static (no growth balance sheet).

## Analysis of Net Interest Income Sensitivity

	Immediate Change in Rates			
	+300	+200	+100	-100
	(Dollar Amounts in Thousands)			
As of December 31, 2018				
Dollar Change	\$ 1,739	1,355	674	(959 )
Percentage Change	3.37 %	2.63	1.31	(1.86)

At December 31, 2018, a 100 basis point instantaneous increase in interest rates had the effect of increasing forecast net interest income over the next 12 months by 1.31% while a 100 basis point decrease in rates had the effect of decreasing net interest income by 1.86%.





Item 8. Financial Statements and Supplementary Data

Report of Independent Registered Public Accounting Firm

To the Board of Directors and Shareholders  
Waterstone Financial, Inc.

Opinion on the Financial Statements

We have audited the accompanying consolidated statements of financial condition of Waterstone Financial, Inc. and subsidiaries (the Company) as of December 31, 2018 and 2017, the related consolidated statements of operations, comprehensive income, changes in shareholders' equity and cash flows for each of the three years in the period ended December 31, 2018, and the related notes to the consolidated financial statements (collectively, the financial statements). In our opinion, the financial statements present fairly, in all material respects, the financial position of the Company as of December 31, 2018 and 2017, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2018, in conformity with accounting principles generally accepted in the United States of America.

We have also audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the Company's internal control over financial reporting as of December 31, 2018, based on criteria established in Internal Control — Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission in 2013, and our report dated March 6, 2019 expressed an unqualified opinion on the effectiveness of the Company's internal control over financial reporting.

Basis for Opinion

These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's financial statements based on our audits. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

/s/ RSM US LLP

We have served as the Company's auditor since 2014.

Milwaukee, Wisconsin  
March 6, 2019



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Waterstone Financial, Inc. and Subsidiaries  
 Consolidated Statements of Financial Condition  
 December 31, 2018 and 2017

	December 31,	
	2018	2017
	(In Thousands, except share data)	
<b>Assets</b>		
Cash	\$48,234	22,306
Federal funds sold	25,100	17,034
Interest-earning deposits in other financial institutions and other short term investments	12,767	9,267
Cash and cash equivalents	86,101	48,607
Securities available for sale (at fair value)	185,720	199,707
Loans held for sale (at fair value)	141,616	149,896
Loans receivable	1,379,148	1,291,814
Less: Allowance for loan losses	13,249	14,077
Loans receivable, net	1,365,899	1,277,737
Office properties and equipment, net	24,524	22,941
Federal Home Loan Bank stock (at cost)	19,350	16,875
Cash surrender value of life insurance	67,550	65,996
Real estate owned, net	2,152	4,558
Prepaid expenses and other assets	22,469	20,084
<b>Total assets</b>	<b>\$1,915,381</b>	<b>1,806,401</b>
<b>Liabilities and Shareholders' Equity</b>		
<b>Liabilities:</b>		
Demand deposits	\$139,111	129,597
Money market and savings deposits	163,511	148,804
Time deposits	735,873	688,979
<b>Total deposits</b>	<b>1,038,495</b>	<b>967,380</b>
Borrowings	435,046	386,285
Advance payments by borrowers for taxes	4,371	4,876
Other liabilities	37,790	35,756
<b>Total liabilities</b>	<b>1,515,702</b>	<b>1,394,297</b>
<b>Shareholders' equity:</b>		
Preferred stock (par value \$.01 per share) Authorized - 50,000,000 shares in 2018 and 2017, no shares issued	-	-
Common stock (par value \$.01 per share) Authorized - 100,000,000 shares in 2018 and 2017 Issued - 28,463,239 in 2018 and 29,501,346 in 2017 Outstanding - 28,463,239 in 2018 and 29,501,346 in 2017	285	295
Additional paid-in capital	330,327	326,655
Retained earnings	187,153	183,358
Unearned ESOP shares	(17,804 )	(18,991 )
Accumulated other comprehensive loss, net of taxes	(2,361 )	(477 )
Cost of shares repurchased (7,171,537 in 2018 and 6,030,900 in 2017), at cost	(97,921 )	(78,736 )
<b>Total shareholders' equity</b>	<b>399,679</b>	<b>412,104</b>
<b>Total liabilities and shareholders' equity</b>	<b>\$1,915,381</b>	<b>1,806,401</b>

See accompanying notes to consolidated financial statements

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Waterstone Financial, Inc. and Subsidiaries  
 Consolidated Statements of Operations  
 Years ended December 31, 2018, 2017 and 2016

	Years ended December 31,		
	2018	2017	2016
	(In Thousands, except per share amounts)		
Interest income:			
Loans	\$66,966	60,824	57,185
Mortgage-related securities	2,648	2,646	3,048
Debt securities, federal funds sold and short-term investments	4,086	3,625	3,503
Total interest income	73,700	67,095	63,736
Interest expense:			
Deposits	11,627	7,739	7,364
Borrowings	7,896	8,623	12,928
Total interest expense	19,523	16,362	20,292
Net interest income	54,177	50,733	43,444
Provision for loan losses	(1,060 )	(1,166 )	380
Net interest income after provision for loan losses	55,237	51,899	43,064
Noninterest income:			
Service charges on loans and deposits	1,680	1,625	2,232
Increase in cash surrender value of life insurance	1,848	1,807	1,767
Mortgage banking income	113,151	120,044	121,069
Loss on sale of available for sale securities	-	(107 )	-
Other	1,520	1,044	1,297
Total noninterest income	118,199	124,413	126,365
Noninterest expenses:			
Compensation, payroll taxes, and other employee benefits	97,784	97,084	95,056
Occupancy, office furniture, and equipment	10,855	10,178	9,347
Advertising	4,123	3,333	2,743
Data processing	2,792	2,439	2,520
Communications	1,611	1,560	1,462
Professional fees	2,327	2,656	2,135
Real estate owned	1	379	399
Loan processing expense	3,372	3,062	2,875
Other	10,291	11,188	10,898
Total noninterest expenses	133,156	131,879	127,435
Income before income taxes	40,280	44,433	41,994
Income tax expense	9,526	18,469	16,462
Net income	\$30,754	25,964	25,532
Income per share:			
Basic	\$1.12	0.95	0.94
Diluted	\$1.11	0.93	0.93
Weighted average shares outstanding:			
Basic	27,363	27,467	27,037
Diluted	27,634	27,899	27,374

See accompanying notes to consolidated financial statements



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Waterstone Financial, Inc. and Subsidiaries  
 Consolidated Statements of Comprehensive Income  
 Years ended December 31, 2018, 2017 and 2016

	Years ended December 31,		
	2018	2017	2016
	(In Thousands)		
Net income	\$30,754	25,964	25,532
Other comprehensive loss, net of tax:			
Net unrealized holding loss on available for sale securities arising during the period, net of tax benefit of \$710, \$106 and \$622 respectively	(1,889 )	(159 )	(960 )
Recognition of net deferred tax liability revaluation due to tax law change	5	(5 )	-
Reclassification adjustment for net loss on available for sale securities realized during the period, net of tax benefit of \$-, (\$42) and \$-, respectively	-	65	-
Total other comprehensive loss	(1,884 )	(99 )	(960 )
Comprehensive income	\$28,870	25,865	24,572

See accompanying notes to consolidated financial statements



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Waterstone Financial, Inc. and Subsidiaries  
 Consolidated Statements of Changes in Shareholders' Equity  
 Years Ended December 31, 2018, 2017 and 2016

	Common Stock				Unearned ESOP Shares	Accumulated Other Comprehensive Income (Loss)	Cost of Shares Repurchased	Total Shareholders' Equity
	Shares (In Thousands)	Amount	Additional Paid-In Capital	Retained Earnings				
Balances at December 31, 2015	29,407	\$ 294	317,022	168,089	(21,365 )	582	(72,692 )	391,930
Comprehensive income:								
Net income	-	\$ -	-	25,532	-	-	-	25,532
Other comprehensive loss:	-	-	-	-	-	(960 )	-	(960 )
Total comprehensive income								24,572
ESOP shares committed to be released to Plan participants	-	-	446	-	1,187	-	-	1,633
Cash dividends, \$0.33 per share	-	-	-	(9,056 )	-	-	-	(9,056 )
Stock compensation activity, net of tax	307	3	3,553	-	-	-	-	3,556
Stock based compensation expense	-	-	1,913	-	-	-	-	1,913
Purchase of common stock returned to authorized but unissued	(284 )	\$(3 )	-	-	-	-	(3,855 )	(3,858 )
Balances at December 31, 2016	29,430	\$ 294	322,934	184,565	(20,178 )	(378 )	(76,547 )	410,690
Comprehensive income:								
Net income	-	\$ -	-	25,964	-	-	-	25,964
Other comprehensive loss:	-	-	-	-	-	(99 )	-	(99 )
Total comprehensive income								25,865
ESOP shares committed to be released to Plan participants	-	-	769	-	1,187	-	-	1,956
Cash dividends, \$0.98 per share	-	-	-	(27,171 )	-	-	-	(27,171 )
Stock compensation activity	194	2	1,050	-	-	-	-	1,052
Stock based compensation expense	-	-	1,902	-	-	-	-	1,902
	(123 )	(1 )	-	-	-	-	(2,189 )	(2,190 )

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Purchase of common  
stock returned to  
authorized but unissued

Balances at December 31, 2017	29,501	\$ 295	326,655	183,358	(18,991 )	(477 )	(78,736 )	412,104
Comprehensive income:								
Net income	-	\$ -	-	30,754	-	-	-	30,754
Other comprehensive loss:	-	-	-	-	-	(1,884 )	-	(1,884 )
Total comprehensive income								28,870
Reclassification for net deferred tax liability reevaluation	-	-	-	(5 )	-	-	-	(5 )
ESOP shares committed to be released to								
Plan participants	-	-	609	-	1,187	-	-	1,796
Cash dividends, \$0.98 per share	-	-	-	(26,954 )	-	-	-	(26,954 )
Stock compensation activity	103	1	1,303	-	-	-	-	1,304
Stock based compensation expense	-	-	1,760	-	-	-	-	1,760
Purchase of common stock returned to authorized but unissued	(1,141 )	(11 )	-	-	-	-	(19,185 )	(19,196 )
Balances at December 31, 2018	28,463	\$ 285	330,327	187,153	(17,804 )	(2,361 )	(97,921 )	399,679

See accompanying notes to consolidated financial statements

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Waterstone Financial, Inc. and Subsidiaries  
 Consolidated Statements of Cash Flows  
 Years ended December 31, 2018, 2017 and 2016

	Years ended December 31,		
	2018	2017	2016
	(In Thousands)		
<b>Operating activities:</b>			
Net income	\$30,754	25,964	25,532
Adjustments to reconcile net income to net cash provided by (used in) operating activities:			
Provision for loan losses	(1,060 )	(1,166 )	380
Provision for depreciation	2,296	2,050	2,615
Deferred income taxes	535	3,079	1,564
Stock based compensation	1,760	1,902	1,913
Net amortization of premium/discount on debt and mortgage related securities	444	682	991
Amortization of unearned ESOP shares	1,796	1,956	1,633
Amortization and valuation allowance on mortgage servicing rights	191	106	598
Gain on sale of loans held for sale	(109,526 )	(121,951 )	(123,154 )
Loans originated for sale	(2,509,827)	(2,458,370)	(2,378,926)
Proceeds on sales of loans originated for sale	2,627,634	2,655,673	2,443,347
Increase in accrued interest receivable	(413 )	(643 )	(173 )
Increase in cash surrender value of life insurance	(1,848 )	(1,807 )	(1,767 )
Increase (decrease) in accrued interest on deposits and borrowings	509	(30 )	(726 )
Increase (decrease) in other liabilities	1,622	(3,079 )	4,659
(Increase) decrease in prepaid income tax	(1,178 )	(1,686 )	557
Loss on sale of available for sale securities	-	107	-
Net gain on real estate owned	(265 )	(24 )	(197 )
Gain on sale of mortgage servicing rights	(417 )	(178 )	-
Other	(71 )	4,512	(2,908 )
Net cash provided by (used in) operating activities	42,936	107,097	(24,062 )
<b>Investing activities:</b>			
Net increase in loans receivable	(87,648 )	(116,887 )	(68,076 )
Net change in FHLB Stock	(2,475 )	(3,600 )	6,225
Purchases of:			
Debt securities	-	(6,140 )	(5,285 )
Mortgage related securities	(28,058 )	(16,827 )	(9,215 )
Premises and equipment, net	(3,962 )	(1,577 )	(1,085 )
Bank owned life insurance	(180 )	(2,680 )	(10,180 )
Mortgage banking branch	(163 )	-	-
Proceeds from:			
Principal repayments on mortgage-related securities	28,572	32,968	39,935
Maturities of debt securities	10,435	15,686	14,855
Sales of debt securities	-	448	-
Death benefit from bank owned life insurance	474	-	-
Sales of real estate owned	3,134	3,733	7,796
Net cash used in investing activities	(79,871 )	(94,876 )	(25,030 )
<b>Financing activities:</b>			
Net increase in deposits	71,115	17,969	56,050

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Net change in short term borrowings	(41,239 )	(26,870 )	65,952
Repayment of long term debt	(165,000 )	(149,000 )	(220,000 )
Proceeds from long term debt	255,000	175,000	100,000
Net (decrease) increase in advance payments by borrowers for taxes	(505 )	160	1,055
Cash dividends in common stock	(27,050 )	(26,952 )	(6,917 )
Proceeds from stock option exercises	1,304	1,052	3,556
Purchase of common stock returned to authorized but unissued	(19,196 )	(2,190 )	(3,858 )
Net cash provided by (used in) financing activities	74,429	(10,831 )	(4,162 )
Increase (decrease) in cash and cash equivalents	37,494	1,390	(53,254 )
Cash and cash equivalents at beginning of year	48,607	47,217	100,471
Cash and cash equivalents at end of year	\$86,101	48,607	47,217

Supplemental information:

Cash paid or credited during the period for:

Income tax payments	\$10,168	17,081	14,352
Interest payments	19,014	16,392	21,018
Noncash investing activities:			
Loans receivable transferred to other real estate	545	2,171	4,590
Dividends declared but not paid in other liabilities	3,798	3,894	3,677

See accompanying notes to consolidated financial statements.

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Waterstone Financial, Inc. and Subsidiaries  
Notes to Consolidated Financial Statements  
Years ended December 31, 2018, 2017 and 2016

1) Summary of Significant Accounting  
Policies

The following significant accounting and reporting policies of Waterstone Financial, Inc. and subsidiaries (collectively, the “Company”), conform to U.S. generally accepted accounting principles, or (“GAAP”), and are used in preparing and presenting these consolidated financial statements.

Certain prior period amounts have been reclassified to conform to current period presentation. These reclassifications did not result in any changes to previously reported net income or shareholders' equity.

a) Nature of Operations

The Company is a one-bank holding company with two operating segments – community banking and mortgage banking. WaterStone Bank SSB (the "Bank" or "WaterStone Bank") is principally engaged in the business of attracting deposits from the general public and using such deposits to originate real estate, business and consumer loans.

The Bank provides a full range of financial services to customers through branch locations in southeastern Wisconsin. In addition, the Bank has a loan production office in Minneapolis, Minnesota. The Bank is subject to the regulations of certain federal and state agencies and undergoes periodic examinations by those regulatory authorities.

The Bank owns a mortgage banking subsidiary that originates residential real estate loans held for sale at various branch offices across the country. Mortgage banking volume fluctuates widely given movements in interest rates. Mortgage banking income is reported as a single line item in the statements of operations while mortgage banking expense is distributed among the various noninterest expense lines. Compensation, payroll taxes and other employee benefits expense varies directly with mortgage banking income.

b) Principles of Consolidation

The consolidated financial statements include the accounts and operations of Waterstone Financial, Inc. and its wholly owned subsidiary, WaterStone Bank. The Bank has the following wholly owned subsidiaries: Wauwatosa Investments, Inc., Waterstone Mortgage Corporation, and Main Street Real Estate Holdings, LLC. All significant intercompany accounts and transactions have been eliminated in consolidation.

c) Use of Estimates

The preparation of the consolidated financial statements requires management of the Company to make a number of estimates and assumptions relating to the reported amount of assets and liabilities and the disclosure of contingent assets and liabilities at the date of the consolidated financial statements and the reported amounts of revenues and expenses during the period. Significant items subject to such estimates and assumptions include: the allowance for loan losses, income taxes, and fair value measurements.

e) Cash and Cash Equivalents

The Company considers federal funds sold and highly liquid debt instruments with a maturity of three months or less when purchased to be cash equivalents.

e)Securities

Available for Sale Securities

At the time of purchase, investment securities are classified as available for sale, as management has the intent and ability to hold such securities for an indefinite period of time, but not necessarily to maturity. Any decision to sell investment securities available for sale would be based on various factors, including, but not limited to asset/liability management strategies, changes in interest rates or prepayment risks, liquidity needs, or regulatory capital considerations. Available for sale securities are carried at fair value, with the unrealized gains and losses, net of deferred tax, reported as a separate component of equity in accumulated other comprehensive income (loss). The cost of debt securities is adjusted for amortization of premiums and accretion of discounts to maturity or, in the case of mortgage-backed securities and collateralized mortgage obligations, over the estimated life of the security. Such amortization or accretion is included in interest income from securities. Realized gains or losses on securities sales (using specific identification method) are included in other income. Declines in value judged to be other than temporary are included in net impairment losses recognized in earnings in the consolidated statements of operations.

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### Other Than Temporary Impairment

One of the significant estimates related to securities is the evaluation of investments for other than temporary impairment. The Company assesses investment securities with unrealized loss positions for other than temporary impairment on at least a quarterly basis. When the fair value of an investment is less than its amortized cost at the balance sheet date of the reporting period for which impairment is assessed, the impairment is designated as either temporary or other than temporary. In evaluating other than temporary impairment, management considers the length of time and extent to which the fair value has been less than cost and the expected recovery period of the security, the financial condition and near-term prospects of the issuer, and the intent and ability of the Company to retain its investment in the issuer for a period of time sufficient to allow for any anticipated recovery in fair value in the near term. Declines in the fair value of investment securities below amortized cost are deemed to be other than temporary when the Company cannot assert that it will recover its amortized cost basis, including whether the present value of cash flows expected to be collected is less than the amortized cost basis of the security. If it is more likely than not that the Company will be required to sell the security before recovery or if the Company has the intent to sell, an other than temporary impairment write down is recognized in earnings equal to the difference between the security's amortized cost and its fair value. If it is not more likely than not that the Company will be required to sell the security before recovery and if the Company does not intend to sell, the other than temporary impairment write down is separated into an amount representing credit loss, which is recognized in earnings, and an amount related to other factors, which is recognized as a separate component of equity. Following the recognition of an other than temporary impairment representing credit loss, the book value of an investment less the impairment loss realized becomes the new cost basis. The determination as to whether an other than temporary impairment exists and, if so, the amount considered other than temporarily impaired, or not impaired, is subjective and, therefore, the timing and amount of other than temporary impairments constitute material estimates that are subject to significant change.

### Federal Home Loan Bank Stock

Federal Home Loan Bank ("FHLB") stock is carried at cost, which is the amount that the stock is redeemable by tendering to the FHLB or the amount at which shares can be sold to other FHLB members.

### f) Loans Held for Sale

The origination of residential real estate loans is an integral component of the business of the Company. The Company generally sells its originations of long-term fixed interest rate mortgage loans in the secondary market, and on a selective basis, retains the rights to service the loans sold. Gains and losses on the sales of these loans are determined using the specific identification method. Mortgage loans originated for sale are generally sold within 45 days after closing.

The Company has elected to carry loans held for sale at fair value. Fair value is generally determined by estimating a gross premium or discount, which is derived from pricing currently observable in the market. The amount by which cost differs from market value is accounted for as a valuation adjustment to the carrying value of the loans. Changes in value are included in mortgage banking income in the consolidated statements of operations.

Costs to originate loans held for sale are expensed as incurred and are included on the appropriate noninterest expense lines of the statements of operations. Salaries, commissions and related payroll taxes are the primary costs to originate and comprised approximately 75.1% of total mortgage banking noninterest expense for 2018.

The value of mortgage loans held for sale and other residential mortgage loan commitments to customers are hedged by utilizing both best efforts and mandatory forward commitments to sell loans to investors in the secondary market. Such forward commitments are generally entered into at the time when applications are taken to protect the value of the mortgage loans from increases in market interest rates during the period held. The Company recognizes revenue associated with the expected future cash flows of servicing loans at the time a forward loan commitment is made, as

required under Securities and Exchange Commission Staff Accounting Bulletin No. 109, Written Loan Commitments Recorded at Fair Value Through Earnings.

g)Loans Receivable and Related Interest Income

Loans are classified as held for investment when management has both the intent and ability to hold the loan for the foreseeable future, or until maturity or payoff. Loans are carried at the principal amount outstanding, net of any unearned income, charge-offs and unamortized deferred fees and costs. Loan origination and commitment fees and certain direct loan origination costs are deferred and the net amount amortized as an adjustment of the related loan yield. Amortization is based on a level-yield method over the contractual life of the related loans or until the loan is paid in full.

Loan interest income is recognized on the accrual basis. Accrual of interest is generally discontinued either when reasonable doubt exists as to the full, timely collection of interest or principal, or when a loan becomes contractually past due more than 90 days with respect to interest or principal. At that time, previously accrued and uncollected interest on such loans is reversed and additional income is recorded only to the extent that payments are received and the collection of principal is reasonably assured. Generally, loans are restored to accrual status when the obligation is brought current, has performed in accordance with the contractual terms for a reasonable period of time, and the ultimate collectability of the total contractual principal and interest is no longer in doubt.

A loan is accounted for as a troubled debt restructuring if the Company, for economic reasons related to the borrower's financial condition, grants a concession to the borrower that it would not otherwise consider. A troubled debt restructuring typically involves a modification of terms such as a reduction of the stated interest rate, a deferral of principal payments or a combination of both for a temporary period of time. If the borrower was performing in accordance with the original contractual terms at the time of the restructuring, the restructured loan is accounted for on an accruing basis as long as the borrower continues to comply with the modified terms. If the loan was not accounted for on an accrual basis at the time of restructuring, the restructured loan remains in non-accrual status until the loan completes a minimum of six consecutive contractual payments.



h) Allowance for Loan Losses

The allowance for loan losses is presented as a reserve against loans and represents the Bank's assessment of probable loan losses inherent in the loan portfolio. The allowance for loan losses is established as losses are estimated to have occurred through a provision for loan losses charged to income. Estimated loan losses are charged against the allowance when the loan balance is confirmed to be uncollectible directly or indirectly by the borrower or upon initiation of a foreclosure action by the Bank. Subsequent recoveries, if any, are credited to the allowance.

The allowance provides for probable losses that have been identified with specific customer relationships and for probable losses believed to be inherent in the loan portfolio, but have not been specifically identified. The Bank utilizes its own loss history to estimate inherent losses on loans. Although the Bank allocates portions of the allowance to specific loans and loan types, the entire allowance is available for any loan losses that occur.

The Bank evaluates the need for specific valuation allowances on loans that are considered impaired. A loan is considered impaired when, based on current information and events, it is probable that the Bank will not be able to collect all amounts due according to the contractual terms of the loan agreement. Within the loan portfolio, all non-accrual loans and loans modified under troubled debt restructurings have been determined by the Bank to meet the definition of an impaired loan. In addition, other loans may be considered impaired loans. A valuation allowance is established for an amount equal to the impairment when the carrying amount of the loan exceeds the present value of the expected future cash flows, discounted at the loan's original effective interest rate or the fair value of the underlying collateral.

The Bank also establishes valuation allowances based on an evaluation of the various risk components that are inherent in the loan portfolio. The risk components that are evaluated include past loan loss experience; the level of non-performing and classified assets; current economic conditions; volume, growth, and composition of the loan portfolio; adverse situations that may affect the borrower's ability to repay; the estimated value of any underlying collateral; regulatory guidance; and other relevant factors.

The appropriateness of the allowance for loan losses is approved quarterly by the Bank's board of directors. The allowance reflects management's best estimate of the amount needed to provide for the probable loss on impaired loans, as well as other credit risks of the Bank, and is based on a risk model developed and implemented by management and approved by the Bank's board of directors.

Actual results could differ from this estimate, and future additions to the allowance may be necessary based on unforeseen changes in economic conditions. In addition, federal regulators periodically review the Bank's allowance for loan losses. Such regulators have the authority to require the Bank to recognize additions to the allowance at the time of their examination.

i) Real Estate Owned

Real estate owned consists of properties acquired through, or in lieu of, loan foreclosure. Real estate owned is transferred into the portfolio at estimated net realizable value. To the extent that the net carrying value of the loan exceeds the estimated fair value of the property at the date of transfer, the excess is charged to the allowance for loan losses within 90 days of being transferred. Subsequent write-downs to reflect current fair market value, as well as gains and losses upon disposition and revenue and expenses incurred in maintaining such properties, are treated as period costs and included in real estate owned in the consolidated statements of operations.

j) Mortgage Servicing Rights

The Company sells residential mortgage loans in the secondary market and, on a selective basis, retains the right to service the loans sold. Upon sale, a mortgage servicing rights asset is capitalized, which represents the then current

fair value of future net cash flows expected to be realized for performing servicing activities. Mortgage servicing rights, when purchased, are initially recorded at fair value. Mortgage servicing rights are amortized over the period of estimated net servicing income, and assessed for impairment at each reporting date. Mortgage servicing rights are carried at the lower of the initial capitalized amount, net of accumulated amortization, or estimated fair value, and are included in other assets, net in the consolidated balance sheets. To the extent that the Company sells mortgage servicing rights, a gain is recognized for the amount of which sale proceeds exceed the remaining unamortized cost of the servicing rights that were sold. Gains on sale of mortgage servicing rights are included in other noninterest income in the consolidated statements of operations.

k)Cash Surrender Value of Life Insurance

The Company purchases bank owned life insurance on the lives of certain employees. The Company is the beneficiary of the life insurance policies. The cash surrender value of life insurance is reported at the amount that would be received in cash if the policies were surrendered. Increases in the cash value of the policies and proceeds of death benefits received are recorded in noninterest income. The increase in cash surrender value of life insurance is not subject to income taxes, as long as the Company has the intent and ability to hold the policies until the death benefits are received.

l)Office Properties and Equipment

Office properties and equipment, including leasehold improvements and software, are stated at cost, net of depreciation and amortization. Depreciation and amortization are computed on the straight-line method over the estimated useful lives of the related assets. Leasehold improvements are amortized over the lease term, if shorter than the estimated useful life. Maintenance and repairs are charged to expense as incurred, while additions or major improvements are capitalized and depreciated over their estimated useful lives. Estimated useful lives of the assets are 10 to 30 years for office properties, three to 10 years for equipment, and three years for software. Rent expense related to long-term operating leases is recorded on the accrual basis.

m) Income Taxes

The Company and its subsidiaries file consolidated federal and combined state income tax returns. The provision for income taxes is based upon income in the consolidated financial statements, rather than amounts reported on the income tax returns. Deferred tax assets and liabilities are recognized for the future tax consequences attributable to differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases, as well as net operating loss carry forwards. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred tax assets and liabilities of a change in tax rates is recognized as income or expense in the period that includes the enactment date.

The Company evaluates the realizability of its deferred tax assets on a quarterly basis. Under generally accepted accounting principles, a valuation allowance is required to be recognized if it is “more likely than not” that a deferred tax asset will not be realized. The determination of the realizability of the deferred tax assets is highly subjective and dependent upon judgment concerning management’s evaluation of both positive and negative evidence, the forecasts of future income, applicable tax planning strategies, and assessments of current and future economic and business conditions.

Positions taken in the Company’s tax returns may be subject to challenge by the taxing authorities upon examination. The benefit of uncertain tax positions are initially recognized in the financial statements only when it is more likely than not the position will be sustained upon examination by the tax authorities. Such tax positions are both initially and subsequently measured as the largest amount of tax benefit that is greater than 50% likely of being realized upon settlement with the tax authority, assuming full knowledge of the position and all relevant facts. Interest and penalties on income tax uncertainties are classified within income tax expense in the income statement.

n) Earnings Per Share

Earnings per share (EPS) are computed using the two-class method. Basic earnings per share is computed by dividing net income allocated to common shareholders by the weighted average number of common shares outstanding during the applicable period, excluding outstanding participating securities. Diluted earnings per share is computed by dividing net income by the weighted average number of common shares outstanding adjusted for the dilutive effect of all potential common shares. Diluted EPS reflects the potential dilution that could occur if securities or other contracts to issue common stock were exercised. Shares of the Employee Stock Ownership Plan committed to be released are considered outstanding for both common and diluted EPS. Incentive stock compensation awards granted can result in dilution.

o) Comprehensive Income

Comprehensive income is the total of reported net income and changes in unrealized gains or losses, net of tax, on securities available for sale.

p) Employee Stock Ownership Plan (ESOP)

Compensation expense under the ESOP is equal to the fair value of common shares released or committed to be released to participants in the ESOP in each respective period. Common stock purchased by the ESOP and not committed to be released to participants is included in the consolidated statements of financial condition at cost as a reduction of shareholders’ equity.

q) Impact of Recent Accounting  
Pronouncements

Accounting Standards Codification (ASC) Topic 606 "Revenue from Contracts with Customers." Authoritative accounting guidance under ASC Topic 606, "Revenue from Contracts with Customers" amended prior guidance to require an entity to recognize revenue to depict the transfer of promised goods or services to customers in an amount that reflects the consideration to which the entity expects to be entitled in exchange for those goods or services and to provide clarification on identifying performance obligations and licensing implementation guidance. The Company's revenue is comprised of interest and non-interest revenue. The guidance does not apply to revenue associated with financial instruments, including loans and securities. The Company completed its overall assessment of revenue streams and related contracts affected by the guidance, including asset management fees, deposit related fees, and other non-interest related fees. The Company adopted ASC 606 as of January 1, 2018 with no impact on total shareholders' equity or net income.

#### Revenue Recognition

Debit and credit card interchange fee income - Card processing fees consist of interchange fees from consumer debit and credit card networks and other card related services. Interchange fees are based on purchase volumes and other factors and are recognized as transactions occur.

Service charges on deposit accounts - Revenue from service charges on deposit accounts is earned through deposit-related services; as well as overdraft, non-sufficient funds, account management and other deposit-related fees. Revenue is recognized for these services either over time, corresponding with deposit accounts' monthly cycle, or at a point in time for transactional related services and fees.

Service charges on loan accounts - Revenue from loan accounts consists primarily of fees earned on prepayment penalties. Revenue is recognized for these services at a point in time for transactional related services and fees.

ASC Topic 825 "Financial Instruments." Authoritative accounting guidance under ASC Topic 825, "Financial Instruments" amended prior guidance to require equity investments (except those accounted for under the equity method of accounting) to be measured at fair value with changes in fair value recognized in net income. An entity may choose to measure equity investments that do not have readily determinable fair values at cost minus impairment, if any, plus or minus changes resulting from observable price changes in orderly transactions for the identical or similar investment of the same issuer. The guidance simplifies the impairment assessment of equity investments without readily determinable fair values, requires public entities to use the exit price notion when measuring the fair value of financial instruments for disclosure purposes, requires an entity to present separately in other comprehensive income the portion of the total change in the fair value of a liability resulting from changes in the instrument-specific credit risk when the entity has selected the fair value option for financial instruments and requires separate presentation of financial assets and liabilities by measurement category and form of financial asset. The Company adopted ASC 825 as of January 1, 2018 with no material impact on the Company's statements of operations or financial condition.

ASC Topic 842 "Leases." Authoritative accounting guidance under ASC Topic 842, "Leases" amended prior guidance to require lessees to recognize the assets and liabilities arising from all leases on the balance sheet. The authoritative guidance defines a lease as a contract, or part of a contract, that conveys the right to control the use of identified property, plant, or equipment (an identified asset) for a period of time in exchange for consideration. In addition, the qualifications for a sale and leaseback transaction have been amended. The new authoritative guidance also requires qualitative and quantitative disclosures by lessees and lessors to meet the objective of enabling users of financial statements to assess the amount, timing, and uncertainty of cash flows arising from leases. In transition, lessees and lessors are required to recognize and measure leases at the beginning of the earliest period presented using a prospective approach. The authoritative guidance will be effective for reporting periods after January 1, 2019. The Company adopted ASC 842 on January 1, 2019. The cumulative effect did not have a material impact on the Company's statements of operations. The effect of this guidance increased the statements of or financial condition by approximately \$10.0 million. The Company's adoption of this guidance has not materially changed the method in which we previously recognized expense from leases.

ASC Topic 718 "Compensation - Stock Compensation." Authoritative accounting guidance under ASC Topic 718, "Compensation - Stock Compensation" amended prior guidance on several aspects, including the income tax consequences, classification of awards as either equity or liability, and classification on the statement of cash flows. The authoritative guidance allows for all excess tax benefits and tax deficiencies to be recognized as income tax benefit or expense in the income statement. The tax effects of exercised or vested awards should be treated as discrete items in the reporting period in which they occur. An entity also should recognize excess tax benefits regardless of whether the benefit reduces taxes payable in the current period. For earnings per share, anticipated excess tax benefits will not be included in assumed proceeds when applying the treasury method for computing dilutive shares. For the statement of cash flows, excess tax benefits should be classified along with other income tax cash flows as an operating activity, and cash paid by an employer when directly withholding shares for tax withholding purposes should be classified as a financing activity. The authoritative guidance also allows an entity to make an entity-wide accounting policy election to either estimate the number of awards that are expected to vest or account for forfeitures when they occur. In addition, the threshold to qualify for equity classification permits withholding up to the maximum statutory tax rates in the applicable jurisdictions. The Company adopted this standard on January 1, 2017. See Note 13 for the impact on the Company's statement of operations.

ASC Topic 326 "Financial Instruments - Credit Losses." Authoritative accounting guidance under ASC Topic 326, "Financial Instruments - Credit Losses" amended the incurred loss impairment methodology in current GAAP with a methodology that reflects expected credit losses and requires consideration of a broader range of reasonable and supportable information for credit loss estimates. The measurement of expected credit losses is based on relevant information about past events, including historical experience, current conditions, and reasonable and supportable forecasts that affect the collectability of the reported amount. The authoritative guidance also requires a financial asset (or a group of financial assets) measured at amortized cost basis to be presented at the net amount expected to be collected (net of the allowance for credit losses). In addition, the credit losses relating to available-for-sale debt securities should be recorded through an allowance for credit losses rather than a write-down. The authoritative guidance will be effective for reporting periods after January 1, 2020. The Company is evaluating the guidance and its impact on the Company's statements of operations and financial condition.

Management has met with the necessary departments needed to implement the new accounting guidance. The Company had identified appropriate loan portfolio segments, determined modeling choices to use, and identified historical information needed. A model calculation is in process along with deciding on assumptions within the model. The Company is also working on updating its accounting policies and assessing the control framework needed around the new standard.

ASC Topic 310 "Receivables - Nonrefundable Fees and Other Costs." Authoritative accounting guidance under ASC Topic 310 "Receivables - Nonrefundable Fees and Other Costs" amends prior guidance by shortening the amortization period for certain callable debt securities held at a premium requiring the premium to be amortized to the earliest call

date. The Company adopted ASC 310 as of January 1, 2019 with no material impact on the Company's statements of operations or financial condition.

ASC Topic 220 "Income Statement - Reporting Comprehensive Income." Authoritative accounting guidance under ASC Topic 220 "Income Statement - Reporting Comprehensive Income" allows Companies to make a one-time reclassification from accumulated other comprehensive income (loss) to retained earnings for the effects of remeasuring deferred income taxes originally recorded in other comprehensive income as a result of the change in the federal income tax rate by the Tax Cuts and Jobs Act. The Company adopted this guidance on January 1, 2018 with no impact on total shareholders' equity or net income.

## 2)Securities

## Securities Available for Sale

The amortized cost and fair value of the Company's investment in securities follow:

	December 31, 2018			
	Amortized	Gross unrealized	Gross unrealized	Fair
	cost	gains	losses	value
	(In Thousands)			
Mortgage-backed securities	\$42,105	91	(565)	) 41,631
Collateralized mortgage obligations				
Government sponsored enterprise issued	75,923	243	(1,211)	) 74,955
Mortgage related securities	118,028	334	(1,776)	) 116,586
Municipal securities	55,242	825	(119)	) 55,948
Other debt securities	15,002	-	(1,816)	) 13,186
Debt securities	70,244	825	(1,935)	) 69,134
	\$188,272	1,159	(3,711)	) 185,720
	December 31, 2017			
	Amortized	Gross unrealized	Gross unrealized	Fair
	cost	gains	losses	value
	(In Thousands)			
Mortgage-backed securities	\$57,351	324	(240)	) 57,435
Collateralized mortgage obligations				
Government sponsored enterprise issued	61,313	3	(816)	) 60,500
Mortgage related securities	118,664	327	(1,056)	) 117,935
Government sponsored enterprise bonds	2,500	-	(3)	) 2,497
Municipal securities	62,516	1,334	(81)	) 63,769
Other debt securities	15,005	12	(492)	) 14,525
Debt securities	80,021	1,346	(576)	) 80,791
Certificates of deposit	980	1	-	981
	\$199,665	1,674	(1,632)	) 199,707

The Company's mortgage-backed securities and collateralized mortgage obligations issued by government sponsored enterprises are guaranteed by one of the following government sponsored enterprises: Fannie Mae, Freddie Mac or Ginnie Mae. At December 31, 2018, \$1.8 million of the Company's mortgage related securities were pledged as collateral to secure mortgage banking related activities.

The amortized cost and fair value of securities at December 31, 2018, by contractual maturity, are shown below. Expected maturities may differ from contractual maturities because issuers or borrowers may have the right to prepay obligations with or without prepayment penalties.

December 31, 2018

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	Amortized cost	Fair value
	(In Thousands)	
Debt securities:		
Due within one year	\$6,992	6,963
Due after one year through five years	20,891	20,833
Due after five years through ten years	31,754	32,448
Due after ten years	10,607	8,890
Mortgage-related securities	118,028	116,586
	\$188,272	185,720

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Total proceeds and gross gains and losses from sales of investment securities available for sale for each of periods listed below.

	December 31,	
	2018	2017
	(In Thousands)	
Gross gains	\$-	-
Gross losses	-	(107)
Losses on sale of investment securities, net	\$-	(107)
Proceeds from sales of investment securities	\$-	448

Gross unrealized losses on securities available for sale and the fair value of the related securities, aggregated by investment category and length of time that individual securities have been in a continuous unrealized loss position, were as follows:

	December 31, 2018					
	Less than 12 months		12 months or longer		Total	
	Fair value	Unrealized loss	Fair value	Unrealized loss	Fair value	Unrealized loss
	(In Thousands)					
Mortgage-backed securities	\$3,036	(9)	33,029	(556)	36,065	(565)
Collateralized mortgage obligations						
Government sponsored enterprise issued	3,079	(13)	47,279	(1,198)	50,358	(1,211)
Municipal securities	7,595	(17)	11,272	(102)	18,867	(119)
Other debt securities	-	-	13,186	(1,816)	13,186	(1,816)
	\$13,710	(39)	104,766	(3,672)	118,476	(3,711)
	December 31, 2017					
	Less than 12 months		12 months or longer		Total	
	Fair value	Unrealized loss	Fair value	Unrealized loss	Fair value	Unrealized loss
	(In Thousands)					
Mortgage-backed securities	\$35,136	(143)	4,464	(97)	39,600	(240)
Collateralized mortgage obligations						
Government sponsored enterprise issued	37,949	(348)	21,651	(468)	59,600	(816)
Government sponsored enterprise bonds	2,497	(3)	-	-	2,497	(3)
Municipal securities	17,096	(80)	100	(1)	17,196	(81)
Other debt securities	-	-	9,508	(492)	9,508	(492)
Certificates of deposit	-	-	-	-	-	-
	\$92,678	(574)	35,723	(1,058)	128,401	(1,632)

The Company reviews the investment securities portfolio on a quarterly basis to monitor its exposure to other-than-temporary impairment. In evaluating whether a security's decline in market value is other-than-temporary, management considers the length of time and extent to which the fair value has been less than cost, financial condition of the issuer and the underlying obligors, quality of credit enhancements, volatility of the fair value of the security, the expected recovery period of the security and ratings agency evaluations. In addition, the Company may also evaluate payment structure, whether there are defaulted payments or expected defaults, prepayment speeds and the value of any underlying collateral.

As of December 31, 2018, the Company identified one municipal security that was deemed to be other-than-temporarily impaired. The security was issued by a tax incremental district in a municipality located in Wisconsin. During the year ended December 31, 2012, the Company received audited financial statements with respect to the municipal issuer that called into question the ability of the underlying taxing district that issued the securities to operate as a going concern. During the year ended December 31, 2012, the Company's analysis of the security in this municipality resulted in \$77,000 in credit losses that were charged to earnings with respect to this municipal security. An additional \$17,000 credit loss was charged to earnings during the year ended December 31, 2014 with respect to this security as a sale occurred at a discounted price. As of December 31, 2018, the remaining impaired security had an amortized cost of \$116,000 and a total life-to-date impairment of \$94,000.

As of December 31, 2018, the Company had two corporate debt securities, 32 municipal securities, 43 mortgage-backed securities, and 37 government sponsored enterprise issued securities which had been in an unrealized loss position for twelve months or longer. These securities were determined not to be other-than-temporarily impaired as of December 31, 2018. The Company has determined that the decline in fair value of these securities is not attributable to credit deterioration, and as the Company does not intend to sell nor is it more likely than not that it will be required to sell these securities before recovery of the amortized cost basis, these securities are not considered other-than-temporarily impaired.

The unrealized losses for the other debt security with an unrealized loss greater than 12 months is due to the current slope of the yield curve. The security currently earns a fixed interest rate but transitions in the future to a floating rate that is indexed to the 10 year Treasury interest rate. The Company does not intend to sell nor does it believe that it will be required to sell the security before recovery of their amortized cost basis.

Deterioration of general economic market conditions could result in the recognition of future other-than-temporary impairment losses within the investment portfolio and such amounts could be material to our consolidated financial statements.

There were no sales of securities during the years ended December 31, 2018 and December 31, 2016. During the year ended December 31, 2017, proceeds from the sale of securities totaled \$448,000 and resulted in losses totaling \$107,000. The \$107,000 included in loss on sale of available for sale securities in the consolidated statements of income during the year ended December 31, 2017 was reclassified from accumulated other comprehensive income.

The following table presents the change in other-than-temporary credit related impairment charges on municipal securities for which a portion of the other-than-temporary impairments related to other factors was recognized in other comprehensive loss.

	(In Thousands)
Credit-related impairments on securities as of December 31, 2016	\$ 94
Credit related impairments related to a security for which other-than-temporary impairment was not previously recognized	\$ -
Decrease in credit related impairments related to securities for which an other-than-temporary impairment was previously recognized	-
Credit-related impairments on securities as of December 31, 2017	\$ 94
Credit related impairments related to a security for which other-than-temporary impairment was not previously recognized	\$ -
Increase in credit related impairments related to securities for which an other-than-temporary impairment was previously recognized	-
Credit-related impairments on securities as of December 31, 2018	\$ 94

### 3)Loans Receivable

Loans receivable at December 31, 2018 and 2017 are summarized as follows:

	December 31,	
	2018	2017
	(In Thousands)	
Mortgage loans:		
Residential real estate:		
One- to four-family	\$489,979	439,597
Multi family	597,087	578,440
Home equity	19,956	21,124
Construction and land	13,361	19,859
Commercial real estate	225,522	195,842
Consumer	433	255
Commercial loans	32,810	36,697
Total loans receivable	\$1,379,148	1,291,814

The Company provides several types of loans to its customers, including residential, construction, commercial and consumer loans. Significant loan concentrations are considered to exist for a financial institution when there are

amounts loaned to one borrower or to multiple borrowers engaged in similar activities that would cause them to be similarly impacted by economic or other conditions. While credit risks tend to be geographically concentrated in the Company's Milwaukee metropolitan area and while 80.3% of the Company's loan portfolio involves loans that are secured by residential real estate, there are no concentrations with individual or groups of related borrowers. While the real estate collateralizing these loans is primarily residential in nature, it ranges from owner-occupied single family homes to large apartment complexes.

Qualifying loans receivable totaling \$1.01 billion and \$971.3 million are pledged as collateral against \$430.0 million and \$375.0 million in outstanding Federal Home Loan Bank of Chicago advances under a blanket security agreement at both December 31, 2018 and December 31, 2017.

Certain of the Company's executive officers, directors, employees, and their related interests have loans with the Bank. As of December 31, 2018 and December 31, 2017, loans aggregating approximately \$5.3 million and \$7.0 million, respectively, were outstanding to such parties. None of these loans were past due or considered impaired as of December 31, 2018 or December 31, 2017.

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An analysis of past due loans receivable as of December 31, 2018 and 2017 follows:

	As of December 31, 2018					
	1-59 Days Past Due (1)	60-89 Days Past Due (2)	Greater Than 90 Days (3)	Total Past Due	Current (3)	Total Loans
Mortgage loans:	(In Thousands)					
Residential real estate:						
One- to four-family	\$1,523	76	3,834	5,433	484,546	489,979
Multi family	-	-	937	937	596,150	597,087
Home equity	216	42	111	369	19,587	19,956
Construction and land	-	-	-	-	13,361	13,361
Commercial real estate	39	-	125	164	225,358	225,522
Consumer	29	-	-	29	404	433
Commercial loans	-	-	18	18	32,792	32,810
Total	\$1,807	118	5,025	6,950	1,372,198	1,379,148

	As of December 31, 2017					
	1-59 Days Past Due (1)	60-89 Days Past Due (2)	Greater Than 90 Days (3)	Total Past Due	Current (3)	Total Loans
Mortgage loans:	(In Thousands)					
Residential real estate:						
One- to four-family	\$1,494	146	3,516	5,156	434,441	439,597
Multi family	-	128	192	320	578,120	578,440
Home equity	68	-	56	124	21,000	21,124
Construction and land	-	-	-	-	19,859	19,859
Commercial real estate	-	-	184	184	195,658	195,842
Consumer	-	-	-	-	255	255
Commercial loans	-	42	26	68	36,629	36,697
Total	\$1,562	316	3,974	5,852	1,285,962	1,291,814

(1) Includes \$422,000 and \$241,000 for December 31, 2018 and 2017, respectively, which are on non-accrual status.

(2) Includes \$118,000 and \$15,000 for December 31, 2018 and 2017, respectively, which are on non-accrual status.

(3) Includes \$990,000 and \$1.8 million for December 31, 2018 and 2017, respectively, which are on non-accrual status.

As of December 31, 2018 and 2017, there were no loans that were 90 or more days past due and still accruing interest.

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A summary of the activity for the years ended 2018, 2017 and 2016 in the allowance for loan losses follows:

	One- to Four- Family (In Thousands)	Multi Family	Home Equity	Construction and Land	Commercial Real Estate	Consumer	Commercial	Total
Year ended December 31, 2018								
Balance at beginning of period	\$5,794	4,431	356	949	1,881	10	656	14,077
Provision (credit) for loan losses	(142 )	(353 )	(56 )	(589 )	243	10	(173 )	(1,060 )
Charge-offs	(69 )	(14 )	(1 )	-	-	-	-	(84 )
Recoveries	159	89	26	40	2	-	-	316
Balance at end of period	\$5,742	4,153	325	400	2,126	20	483	13,249
Year ended December 31, 2017								
Balance at beginning of period	\$7,164	4,809	364	1,016	1,951	12	713	16,029
Provision (credit) for loan losses	(299 )	(494 )	(34 )	(215 )	(64 )	(3 )	(57 )	(1,166 )
Charge-offs	(1,364)	(92 )	-	(14 )	(7 )	-	-	(1,477 )
Recoveries	293	208	26	162	1	1	-	691
Balance at end of period	\$5,794	4,431	356	949	1,881	10	656	14,077
Year ended December 31, 2016								
Balance at beginning of period	\$7,763	5,000	433	904	1,680	9	396	16,185
Provision for loan losses	(407 )	146	7	43	271	3	317	380
Charge-offs	(1,003)	(489 )	(112 )	(3 )	-	-	-	(1,607 )
Recoveries	811	152	36	72	-	-	-	1,071
Balance at end of period	\$7,164	4,809	364	1,016	1,951	12	713	16,029

A summary of the allowance for loan loss for loans evaluated individually and collectively for impairment by collateral class as of the year ended December 31, 2018 follows:

	One- to Four- Family (In Thousands)	Multi Family	Home Equity	Construction and Land	Commercial Real Estate	Consumer	Commercial	Total
Allowance related to loans individually evaluated for impairment	\$73	-	46	-	67	-	-	186
Allowance related to loans collectively evaluated for impairment	5,669	4,153	279	400	2,059	20	483	13,063
Balance at end of period	\$5,742	4,153	325	400	2,126	20	483	13,249

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Loans individually evaluated for impairment	\$7,642	1,309	246	-	2,885	-	18	12,100
Loans collectively evaluated for impairment	482,337	595,778	19,710	13,361	222,637	433	32,792	1,367,048
Total gross loans	\$489,979	597,087	19,956	13,361	225,522	433	32,810	1,379,148

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A summary of the allowance for loan loss for loans evaluated individually and collectively for impairment by collateral class as of the year ended December 31, 2017 follows:

	One- to Four- Family (In Thousands)	Multi Family	Home Equity	Construction and Land	Commercial Real Estate	Consumer	Commercial	Total
Allowance related to loans individually evaluated for impairment	\$77	-	44	-	34	-	-	155
Allowance related to loans collectively evaluated for impairment	5,717	4,431	312	949	1,847	10	656	13,922
Balance at end of period	\$5,794	4,431	356	949	1,881	10	656	14,077
Loans individually evaluated for impairment	\$7,418	1,007	185	-	540	-	26	9,176
Loans collectively evaluated for impairment	432,179	577,433	20,939	19,859	195,302	255	36,671	1,282,638
Total gross loans	\$439,597	578,440	21,124	19,859	195,842	255	36,697	1,291,814

The following table presents information relating to the Company's internal risk ratings of its loans receivable as of December 31, 2018 and 2017:

	One- to Four- Family (In Thousands)	Multi Family	Home Equity	Construction and Land	Commercial Real Estate	Consumer	Commercial	Total
At December 31, 2018								
Substandard	\$7,799	1,309	246	-	678	-	889	10,921
Watch	4,662	491	468	-	4,343	-	906	10,870
Pass	477,518	595,287	19,242	13,361	220,501	433	31,015	1,357,357
	\$489,979	597,087	19,956	13,361	225,522	433	32,810	1,379,148
At December 31, 2017								
Substandard	\$7,581	1,135	138	-	1,124	-	1,585	11,563
Watch	4,939	330	401	-	295	-	741	6,706
Pass	427,077	576,975	20,585	19,859	194,423	255	34,371	1,273,545
	\$439,597	578,440	21,124	19,859	195,842	255	36,697	1,291,814

Factors that are important to managing overall credit quality include sound loan underwriting and administration, systematic monitoring of existing loans and commitments, effective loan review on an ongoing basis, early identification of potential problems, an allowance for loan losses, and sound non-accrual and charge-off policies. Our underwriting policies require an officers' loan committee review and approval of all loans in excess of \$500,000. A member of the credit department, independent of the loan originator, performs a loan review for all loans. Our ability to manage credit risk depends in large part on our ability to properly identify and manage problem loans. To do so, we maintain a loan review system under which our credit management personnel review non-owner occupied one- to four-family, multi-family, construction and land, and commercial real estate that individually, or as part of an overall



borrower relationship exceed \$1.0 million in potential exposure and review commercial loans that individually, or as part of an overall borrower relationship exceed \$200,000 in potential exposure. Loans meeting these criteria are reviewed on an annual basis, or more frequently, if the loan renewal is less than one year. With respect to this review process, management has determined that pass loans include loans that exhibit acceptable financial statements, cash flow and leverage. Watch loans have potential weaknesses that deserve management's attention, and if left uncorrected, these potential weaknesses may result in deterioration of the repayment prospects for the credit. Substandard loans are considered inadequately protected by the current net worth and paying capacity of the obligor or the collateral pledged. These loans generally have a well-defined weakness that may jeopardize liquidation of the debt and are characterized by the distinct possibility that the Bank will sustain some loss if the deficiencies are not corrected. Finally, a loan is considered to be impaired when it is probable that the Bank will not be able to collect all amounts due according to the contractual terms of the loan agreement. Management has determined that all non-accrual loans and loans modified under troubled debt restructurings meet the definition of an impaired loan.

The Company's procedures dictate that an updated valuation must be obtained with respect to underlying collateral at the time a loan is deemed impaired. Updated valuations may also be obtained upon transfer from loans receivable to real estate owned based upon the age of the prior appraisal, changes in market conditions or known changes to the physical condition of the property.

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Estimated fair values are reduced to account for sales commissions, broker fees, unpaid property taxes and additional selling expenses to arrive at an estimated net realizable value. The adjustment factor is based upon the Company's actual experience with respect to sales of real estate owned over the prior two years. In situations in which we are placing reliance on an appraisal that is more than one year old, an additional adjustment factor is applied to account for downward market pressure since the date of appraisal. The additional adjustment factor is based upon relevant sales data available for our general operating market as well as company-specific historical net realizable values as compared to the most recent appraisal prior to disposition.

With respect to over-four family income producing real estate, appraisals are reviewed and estimated collateral values are adjusted by updating significant appraisal assumptions to reflect current real estate market conditions. Significant assumptions reviewed and updated include the capitalization rate, rental income and operating expenses. These adjusted assumptions are based upon recent appraisals received on similar properties as well as on actual experience related to real estate owned and currently under Company management.

The following tables present data on impaired loans as of and for the year ended December 31, 2018 and 2017.

	As of or for the Year Ended December 31, 2018				Average Recorded Investment	Interest Paid YTD
	Recorded Investment	Unpaid Principal	Reserve	Cumulative Charge-Offs		
Total Impaired with Reserve						
One- to four-family	\$462	462	73	-	470	32
Multi family	-	-	-	-	-	-
Home equity	107	107	46	-	110	7
Construction and land	-	-	-	-	-	-
Commercial real estate	2,493	2,902	67	409	4,058	181
Consumer	-	-	-	-	-	-
Commercial	-	-	-	-	-	-
	\$3,062	3,471	186	409	4,638	220
Total Impaired with no Reserve						
One- to four-family	\$7,180	8,120	-	940	7,355	383
Multi family	1,309	2,142	-	833	1,351	96
Home equity	139	139	-	-	144	5
Construction and land	-	-	-	-	-	-
Commercial real estate	392	392	-	-	431	15
Consumer	-	-	-	-	-	-
Commercial	18	18	-	-	25	-
	\$9,038	10,811	-	1,773	9,306	499
Total Impaired						
One- to four-family	\$7,642	8,582	73	940	7,825	415
Multi family	1,309	2,142	-	833	1,351	96
Home equity	246	246	46	-	254	12
Construction and land	-	-	-	-	-	-
Commercial real estate	2,885	3,294	67	409	4,489	196
Consumer	-	-	-	-	-	-
Commercial	18	18	-	-	25	-
	\$12,100	14,282	186	2,182	13,944	719



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As of or for the Year Ended December 31, 2017

	Recorded Investment	Unpaid Principal	Reserve	Cumulative Charge-Offs	Average Recorded Investment	Interest Paid YTD
<b>Total Impaired with Reserve</b>						
One- to four-family	\$903	903	77	-	913	52
Multi family	-	-	-	-	-	-
Home equity	79	79	44	-	83	6
Construction and land	-	-	-	-	-	-
Commercial real estate	34	443	34	409	43	-
Consumer	-	-	-	-	-	-
Commercial	-	-	-	-	-	-
	\$1,016	1,425	155	409	1,039	58
<b>Total Impaired with no Reserve</b>						
One- to four-family	\$6,515	7,604	-	1,089	6,796	359
Multi family	1,007	1,864	-	857	1,005	94
Home equity	106	106	-	-	111	5
Construction and land	-	-	-	-	-	-
Commercial real estate	506	506	-	-	513	19
Consumer	-	-	-	-	-	-
Commercial	26	26	-	-	26	-
	\$8,160	10,106	-	1,946	8,451	477
<b>Total Impaired</b>						
One- to four-family	\$7,418	8,507	77	1,089	7,709	411
Multi family	1,007	1,864	-	857	1,005	94
Home equity	185	185	44	-	194	11
Construction and land	-	-	-	-	-	-
Commercial real estate	540	949	34	409	556	19
Consumer	-	-	-	-	-	-
Commercial	26	26	-	-	26	-
	\$9,176	11,531	155	2,355	9,490	535

The difference between a loan's recorded investment and the unpaid principal balance represents a partial charge-off resulting from a confirmed loss due to the value of the collateral securing the loan being below the loan balance and management's assessment that the full collection of the loan balance is not likely.

When a loan is considered impaired, interest payments received are treated as interest income on a cash basis as long as the remaining book value of the loan (i.e., after charge-off of all identified losses) is deemed to be fully collectible. If the remaining book value is not deemed to be fully collectible, all payments received are applied to unpaid principal. Determination as to the ultimate collectability of the remaining book value is supported by an updated credit department evaluation of the borrower's financial condition and prospects for repayment, including consideration of the borrower's sustained historical repayment performance and other relevant factors.

The determination as to whether an allowance is required with respect to impaired loans is based upon an analysis of the value of the underlying collateral and/or the borrower's intent and ability to make all principal and interest payments in accordance with contractual terms. The evaluation process is subject to the use of significant estimates and actual results could differ from estimates. This analysis is primarily based upon third party appraisals and/or a

discounted cash flow analysis. In those cases in which no allowance has been provided for an impaired loan, the Company has determined that the estimated value of the underlying collateral exceeds the remaining outstanding balance of the loan. Of the total \$9.0 million of impaired loans as of December 31, 2018 for which no allowance has been provided, \$1.8 million in charge-offs have been recorded to reduce the unpaid principal balance to an amount that is commensurate with the loan's net realizable value, using the estimated fair value of the underlying collateral. To the extent that further deterioration in property values continues, the Company may have to reevaluate the sufficiency of the collateral servicing these impaired loans resulting in additional provisions to the allowance for loans losses or charge-offs.

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The following presents data on troubled debt restructurings:

	As of December 31, 2018					
	Accruing		Non-accruing		Total	
	Amount	Number	Amount	Number	Amount	Number
	(Dollars in Thousands)					
One- to four-family	\$2,740	2	\$ 844	5	\$3,584	7
Multi family	-	-	372	2	372	2
Commercial real estate	2,759	2	17	1	2,776	3
	\$5,499	4	\$ 1,233	8	\$6,732	12

	As of December 31, 2017					
	Accruing		Non-accruing		Total	
	Amount	Number	Amount	Number	Amount	Number
	(Dollars in Thousands)					
One- to four-family	\$2,740	2	\$ 1,156	7	\$3,896	9
Multi family	-	-	815	3	815	3
Home equity	47	1	-	-	47	1
Commercial real estate	290	1	34	1	324	2
	\$3,077	4	\$ 2,005	11	\$5,082	15

Troubled debt restructurings involve granting concessions to a borrower experiencing financial difficulty by modifying the terms of the loan in an effort to avoid foreclosure. Typical restructured terms include six to twelve months of principal forbearance, a reduction in interest rate or both. In no instances have the restructured terms included a reduction of outstanding principal balance. At December 31, 2018, \$6.7 million in loans had been modified in troubled debt restructurings and \$1.2 million of these loans were included in the non-accrual loan total. The remaining \$5.5 million, while meeting the internal requirements for modification in a troubled debt restructuring, were current with respect to payments under their original loan terms at the time of the restructuring and thus, continued to be included with accruing loans. Provided these loans perform in accordance with the modified terms, they will continue to be accounted for on an accrual basis.

All loans that have been modified in a troubled debt restructuring are considered to be impaired. As such, an analysis has been performed with respect to all of these loans to determine the need for a valuation reserve. When a loan is expected to perform in accordance with the restructured terms and ultimately return to and perform under contract terms, a valuation allowance is established equal to the excess of the present value of the expected future cash flows under the original contract terms as compared with the modified terms, including an estimated default rate. When there is doubt as to the borrower's ability to perform under the restructured terms or ultimately return to and perform under market terms, a valuation allowance is established equal to the impairment when the carrying amount exceeds fair value of the underlying collateral. As a result of the impairment analysis, a \$67,000 valuation allowance has been established as of December 31, 2018 with respect to the \$6.7 million in troubled debt restructurings. As of December 31, 2017, \$34,000 in valuation allowance had been established with respect to the \$5.1 million in troubled debt restructurings.

If an updated credit department review indicates no other evidence of elevated credit risk and the borrower completes a minimum of six consecutive contractual payments, the loan is returned to accrual status at that time.

The following presents troubled debt restructurings by concession type at December 31, 2018 and 2017:

	As of December 31, 2018		
	Performing in accordance with	In Default	Total

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	modified terms					
	Amount	Number	Amount	Number	Amount	Number
	(Dollars in Thousands)					
Interest reduction and principal forbearance	\$5,848	7	546	2	6,394	9
Interest reduction	338	3	-	-	338	3
	\$6,186	10	546	2	6,732	12

As of December 31, 2017

	Performing in accordance with modified terms		In Default		Total	
	Amount	Number	Amount	Number	Amount	Number
	(Dollars in Thousands)					
Interest reduction and principal forbearance	\$4,022	9	660	2	4,682	11
Principal forbearance	47	1	-	-	47	1
Interest reduction	353	3	-	-	353	3
	\$4,422	13	660	2	5,082	15

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The following presents data on troubled debt restructurings:

	For the Year Ended			
	December 31, 2018		December 31, 2017	
	Amount	Number	Amount	Number
	(Dollars in Thousands)			
Loans modified as a troubled debt restructure				
Commercial real estate	\$2,476	1	-	-
	\$2,476	1	-	-

There were no troubled debt restructurings within the past twelve months for which there was a default during the year ended December 31, 2018.

The following table presents data on non-accrual loans:

	As of December 31,	
	2018	2017
	(Dollars in Thousands)	
Residential		
One- to four-family	\$4,902	4,677
Multi family	1,309	1,007
Home equity	201	107
Construction and land	-	-
Commercial real estate	125	251
Commercial	18	26
Consumer	-	-
Total non-accrual loans	\$6,555	6,068
Total non-accrual loans to total loans	0.48 %	0.47 %
Total non-accrual loans to total assets	0.34 %	0.34 %

#### 4) Office Properties and Equipment

Office properties and equipment are summarized as follows:

	December 31,	
	2018	2017
	(In Thousands)	
Land	\$7,357	6,668
Office buildings and improvements	32,473	30,587
Furniture and equipment	13,518	13,585
	53,348	50,840
Less accumulated depreciation	(28,824)	(27,899)
	\$24,524	22,941



Depreciation of premises and equipment totaled \$2.3 million, \$2.1 million and \$2.6 million for the years ended December 31, 2018, 2017 and 2016, respectively.

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The Company and certain subsidiaries are obligated under non-cancelable operating leases for other facilities and equipment. Rent and equipment lease expense totaled \$5.2 million, \$4.8 million and \$4.4 million for the years ended December 31, 2018, 2017 and 2016, respectively. The appropriate minimum annual commitments under all non-cancelable lease agreements as of December 31, 2018 are as follows:

	Operating leases (In Thousands)
Within one year	\$ 3,454
One to two years	2,598
Two to three years	1,626
Three to four years	1,021
Four through five years	792
After five years	914
Total	\$ 10,405

5)Real Estate Owned

Real estate owned is summarized as follows:

	December 31, 2018    2017 (In Thousands)	
One- to four-family	\$ 163	1,330
Multi-family	-	-
Construction and land	3,327	4,582
Commercial real estate	300	300
Total	3,790	6,212
Valuation allowance at end of period	(1,638)	(1,654)
Total real estate owned, net	\$2,152	4,558

The following table presents the activity in real estate owned:

	Year Ended December 31, 2018    2017 (In Thousands)	
Real estate owned at beginning of period	\$4,558	6,118
Transferred in from loans receivable	545	2,171
Sales	(2,642)	(3,213)
Write downs	(309 )	(514 )
Other activity	-	(4 )
Real estate owned at end of period	\$2,152	4,558

Residential one- to four-family mortgage loans that were in the process of foreclosure were \$2.2 million and \$2.3 million at December 31, 2018 and December 31, 2017, respectively.



## 6)Mortgage Servicing Rights

The following table presents the activity related to the Company's mortgage servicing rights:

	Year ended December 31,	
	2018	2017
	(In Thousands)	
Mortgage servicing rights at beginning of the period	\$888	\$2,260
Additions	427	998
Amortization	(191 )	(106 )
Sales	(1,015)	(2,264)
Mortgage servicing rights at end of the period	109	888
Valuation allowance at end of period	-	-
Mortgage servicing rights at the end of the period, net	\$109	\$888

During the year ended December 31, 2018, on a consolidated basis, \$2.51 billion in residential loans were originated for sale, which excludes the loans originated from Waterstone Mortgage Corporation and purchased by WaterStone Bank. During the same period, sales of loans held for sale totaled \$2.52 billion, generating mortgage banking income of \$113.2 million. The unpaid principal balance of loans serviced for others was \$14.1 million and \$126.3 million at December 31, 2018 and December 31, 2017 respectively. These loans are not reflected in the consolidated statements of financial condition.

During the year ended December 31, 2018, the Company sold mortgage servicing rights related to \$148.7 million in loans receivable and with a book value of \$1.0 million for \$1.4 million resulting in a gain on sale of \$417,000. During the year ended December 31, 2017, the Company sold mortgage servicing rights related to \$295.1 million in loans receivable and with a book value of \$2.3 million for \$2.5 million resulting in a gain on sale of \$178,000.

The following table shows the estimated future amortization expense for mortgage servicing rights at December 31, 2018 for the periods indicated:

	(In Thousands)
Estimate for the years ended December 31:	
2019	\$ 25
2020	21
2021	18
2022	15
2023	12
Thereafter	18
Total	\$ 109

## 7)Deposits

The aggregate amount of time deposit accounts with balances greater than \$250,000 at December 31, 2018 and 2017 amounted to \$60.1 million and \$45.9 million, respectively.

A summary of interest expense on deposits is as follows:

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	Years ended December 31,		
	2018	2017	2016
	(In Thousands)		
Interest-bearing demand deposits	\$33	28	19
Money market and savings deposits	599	401	392
Time deposits	10,995	7,310	6,953
	\$11,627	7,739	7,364

A summary of the contractual maturities of time deposits at December 31, 2018 is as follows:

	(In Thousands)
Within one year	\$ 472,540
One to two years	238,524
Two to three years	21,573
Three to four years	2,245
Four through five years	991
	\$ 735,873

## 8) Borrowings

Borrowings consist of the following:

	December 31, 2018		December 31, 2017		
	Balance	Weighted Average Rate	Balance	Weighted Average Rate	
	(Dollars in Thousands)				
Short term:					
Repurchase agreements	\$5,046	5.39 %	11,285	4.32 %	
Federal Home Loan Bank, Chicago advances	-	-	35,000	1.28 %	
Long term:					
Federal Home Loan Bank advances maturing:					
2018	-	-	65,000	2.97 %	
2021	-	-	100,000	0.78 %	
2027	175,000	1.38 %	175,000	1.38 %	
2028	255,000	2.37 %	-	-	
	\$435,046	2.01 %	386,285	1.57 %	

The short-term repurchase agreements represents the outstanding portion of a total \$35.0 million commitment with one unrelated bank. The short-term repurchase agreement is utilized by Waterstone Mortgage Corporation to finance loans originated for sale. This agreement is secured by the underlying loans being financed. Related interest rates are based upon the note rate associated with the loans being financed. The short-term repurchase agreement had a \$5.0 million balance on a total commitment of \$35.0 million at December 31, 2018.

The \$175.0 million in advances due in 2027 consists of one \$50.0 million advance with a fixed rate of 1.24% with a FHLB single call option in May 2019, one \$50.0 million advance with a fixed rate of 1.23% with a FHLB single call option in June 2019, one \$25.0 million advance with a fixed rate of 1.23% with a FHLB single call option in August 2019, and one \$50.0 million advance with a fixed rate of 1.73% with a FHLB single call option in December 2019.

The \$255.0 million in advances due in 2028 consists of one \$25.0 million advance with a fixed rate of 2.16% with a FHLB single call option in March 2020, two advances totaling \$55.0 million with a fixed rate of 2.27% and with a FHLB single call option in March 2021, one advance of \$25.0 million with a fixed rate of 2.40% and with a FHLB single call option in May 2020, two advances totaling \$50.0 million with fixed rates of 2.34% and 2.48% and with a FHLB single call option in May 2021, one advance of \$50.0 million with a fixed rate of 2.34% and with a FHLB quarterly call option beginning in June 2020, and one advance of \$50.0 million with a fixed rate of 2.57% and with a FHLB quarterly call option beginning in September 2020.

The Company selects loans that meet underwriting criteria established by the Federal Home Loan Bank Chicago (FHLBC) as collateral for outstanding advances. The Company's borrowings at the FHLBC are limited to 80% of the carrying value of unencumbered one- to four-family mortgage loans, 64% of the carrying value of home equity loans and 75% of the carrying value of over four-family loans. In addition, these advances are collateralized by FHLBC stock of \$19.4 million at December 31, 2018 and \$16.9 million at December 31, 2017. In the event of prepayment, the Company is obligated to pay all remaining contractual interest on the advance.

## 9) Regulatory Capital

The Company and the Bank are subject to various regulatory capital requirements administered by the federal banking agencies. Failure to meet minimum capital requirements, or overall financial performance deemed by the regulators to be inadequate, can initiate certain mandatory and possibly additional discretionary actions by regulators that, if undertaken, could have a direct material effect on the Company's financial condition and results of operations. Under capital adequacy guidelines and the regulatory framework for prompt corrective action, the Bank must meet specific capital guidelines that involve quantitative measures of the Company's and Bank's assets, liabilities, and certain off-balance-sheet items, as calculated under regulatory accounting practices. The Company's and Bank's capital amounts and classification are also subject to qualitative judgments by the regulators about components, risk weightings, and other factors.

The Federal Reserve Board and the FDIC issued final rules implementing the Basel III regulatory capital framework and related Dodd-Frank Wall Street Reform and Consumer Protection Act changes. The rules revise minimum capital requirements and adjust prompt corrective action thresholds. The final rules revised the regulatory capital elements, added a new common equity Tier I capital ratio, increased the minimum Tier 1 capital ratio requirements and implemented a new capital conservation buffer. The rules also permitted certain banking organizations to retain, through a one-time election, the existing treatment for accumulated other comprehensive income. The Company and the Bank have made the election to retain the existing treatment for accumulated other comprehensive income. The final rules took effect for the Company and the Bank on January 1, 2015, subject to a transition period for certain parts of the rules.

In addition, as a result of the legislation, the federal banking agencies are required to develop a "Community Bank Leverage Ratio" (the ratio of a bank's tangible equity capital to average total consolidated assets) for financial institutions with assets of less than \$10 billion. A "qualifying community bank" that exceeds this ratio will be deemed to be in compliance with all other capital and leverage requirements, including the capital requirements to be considered "well capitalized" under Prompt Corrective Action statutes. The federal banking agencies may consider a financial institution's risk profile when evaluating whether it qualifies as a community bank for purposes of the capital ratio requirement. The federal banking agencies must set the minimum capital for the new Community Bank Leverage Ratio at not less than 8% and not more than 10%. A financial institution can elect to be subject to this new definition.

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The table below includes the new regulatory capital ratio requirements that became effective on January 1, 2015. Beginning in 2016, an additional capital conservation buffer was added to the minimum requirements for capital adequacy purposes, subject to a three year phase-in period. The capital conservation buffer will be fully phased-in on January 1, 2019 at 2.5%. A banking organization with a conservation buffer of less than 2.5% (or the required phase-in amount in years prior to 2019) will be subject to limitations on capital distributions, including dividend payments and certain discretionary bonus payments to executive officers. At December 31, 2018, the ratios for the Company and the Bank are sufficient to meet the fully phased-in conservation buffer.

The actual and required capital amounts and ratios as of December 31, 2018 and 2017 are presented in the table below:

		December 31, 2018						To Be Well-Capitalized Under Prompt Corrective Provisions	
		Actual		For Capital Adequacy Purposes		Minimum Capital Adequacy with Capital Buffer		To Be Well-Capitalized Under Prompt Corrective Provisions	
		Amount	Ratio	Amount	Ratio	Amount	Ratio	Amount	Ratio
		(Dollars In Thousands)							
Total capital (to risk-weighted assets)									
Consolidated Waterstone Financial , Inc.									
		\$414,566	28.22 %	117,506	8.00 %	145,046	9.880 %	N/A	N/A
	WaterStone Bank	395,783	26.95 %	117,490	8.00 %	145,027	9.880 %	146,863	10.00 %
Tier I capital (to risk-weighted assets)									
Consolidated Waterstone Financial , Inc.									
		401,317	27.32 %	88,130	6.00 %	115,670	7.880 %	N/A	N/A
	WaterStone Bank	382,534	26.05 %	88,118	6.00 %	115,655	7.880 %	117,490	8.00 %
Common Equity Tier 1 Capital (to risk-weighted assets)									
Consolidated Waterstone Financial , Inc.									
		401,317	27.32 %	66,097	4.50 %	93,638	6.380 %	N/A	N/A
	WaterStone Bank	382,534	26.05 %	66,088	4.50 %	93,625	6.380 %	95,461	6.50 %
Tier I capital (to average assets)									
Consolidated Waterstone Financial , Inc.									
		401,317	21.06 %	76,214	4.00 %	N/A	N/A	N/A	N/A
	WaterStone Bank	382,534	20.08 %	76,214	4.00 %	N/A	N/A	95,268	5.00 %
State of Wisconsin (to total assets)									
	WaterStone Bank	382,534	20.01 %	114,712	6.00 %	N/A	N/A	N/A	N/A
December 31, 2017 (Dollars In Thousands)									
Total capital (to risk-weighted assets)									
Consolidated Waterstone Financial , Inc.									
		\$426,057	30.75 %	110,829	8.00 %	128,146	9.25 %	N/A	N/A



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WaterStone Bank	400,792	28.93%	110,812	8.00%	128,127	9.25%	138,515	10.00%
Tier I capital (to risk-weighted assets)								
Consolidated Waterstone Financial, Inc.	411,980	29.74%	83,122	6.00%	100,439	7.25%	N/A	N/A
WaterStone Bank	386,715	27.92%	83,109	6.00%	100,424	7.25%	110,812	8.00%
Common Equity Tier 1 Capital (to risk-weighted assets)								
Consolidated Waterstone Financial, Inc.	411,980	29.74%	62,341	4.50%	79,658	5.75%	N/A	N/A
WaterStone Bank	386,715	27.92%	62,332	4.50%	79,646	5.75%	90,035	6.50%
Tier I capital (to average assets)								
Consolidated Waterstone Financial, Inc.	411,980	22.43%	73,481	4.00%	N/A	N/A	N/A	N/A
WaterStone Bank	386,715	21.10%	73,304	4.00%	N/A	N/A	91,630	5.00%
State of Wisconsin (to total assets)								
WaterStone Bank	386,715	21.44%	108,243	6.00%	N/A	N/A	N/A	N/A

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## 10) Stock Based Compensation

Stock-Based Compensation Plan

In 2006, the Company's shareholders approved the 2006 Equity Incentive Plan. All stock awards granted under this plan vest over a period of five years and are required to be settled in shares of the Company's common stock. The exercise price for all stock options granted is equal to the quoted NASDAQ market closing price on the date that the awards were granted and expire ten years after the grant date, if not exercised. All restricted stock grants are issued from previously unissued shares.

In 2015, the Company's shareholders approved the 2015 Equity Incentive Plan. A total of 2,530,000 stock options and 1,012,000 restricted shares were approved for award. A total of 1,317,000 stock options and 466,000 restricted stock are available to be issued as of December 31, 2018. The stock options granted to employees under this plan typically vest over a period of five years. The stock option awards granted to directors under this plan vest over a period of eight years. The exercise price for all stock options granted is equal to the quoted NASDAQ market close price on the date that the awards were granted and expire ten years after the grant date, if not exercised. The restricted stock awards granted to employees under this plan vest in five installments over four years with one installment vesting immediately. The stock awards granted to directors under this plan vest in eight installments over seven years with one installment vesting immediately. The fair value of the restricted stock awards were equal to the quoted NASDAQ market closing price on the vest date.

Accounting for Stock-Based Compensation Plan

The fair value of stock options granted is estimated on the grant date using a Black-Scholes pricing model. The fair value of restricted shares is equal to the quoted NASDAQ market closing price on the date of grant. The fair value of stock grants is recognized as compensation expense on a straight-line basis over the vesting period of the grants. Compensation expense is included in compensation, payroll taxes and other employee benefits in the consolidated statements of income.

Assumptions are used in estimating the fair value of stock options granted. The weighted average expected life of the stock options represent the period of time that the options are expected to be outstanding and is based on the historical results from the previous awards. The risk-free interest rate is based on the U.S. Treasury yield curve in effect at the time of grant. The expected volatility is based on the actual volatility of Waterstone Financial, Inc. stock for the weighted average life time period prior to issuance date. The following assumptions were used in estimating the fair value of options granted in the years ended December 31, 2018 and 2017.

	2018		2017	
	Minimum	Maximum	Minimum	Maximum
Dividend Yield	2.70 %	2.74 %	2.48 %	2.71 %
Risk-free interest rate	2.57 %	2.96 %	1.80 %	1.93 %
Expected volatility	16.27 %	30.88 %	27.79 %	32.54 %
Weighted average expected life	5.4	6.2	5.3	5.5
Weighted average per share value of options	\$1.97	4.26	4.01	4.63

The Company adjusts compensation expense at time of actual stock grant forfeiture.

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A summary of the Company's stock option activity for the years ended December 31, 2018, 2017 and 2016 is presented below.

Stock Options	Shares	Weighted Average Exercise Price	Weighted Average Years Remaining in Contractual Term	Aggregate Intrinsic Value (000's)
Outstanding December 31, 2015	2,103,047	\$ 12.90	6.15	2,533
Options exercisable at December 31, 2015	810,255	14.25	1.63	(123 )
Granted	55,000	15.54		151
Exercised	(736,548 )	15.04		2,388
Forfeited	(59,000 )	13.15		303
Outstanding December 31, 2016	1,362,499	11.83	7.74	8,785
Options exercisable at December 31, 2016	304,595	9.66	6.44	2,625
Granted	20,000	18.78		(35 )
Exercised	(211,205 )	6.48		2,233
Forfeited	(12,195 )	14.83		27
Outstanding December 31, 2017	1,159,099	12.89	7.24	4,870
Options exercisable at December 31, 2017	331,097	12.53	7.10	1,501
Granted	80,000	17.23		3
Exercised	(106,030 )	12.30		473
Forfeited	(72,000 )	13.97		224
Outstanding December 31, 2018	1,061,069	13.21	6.47	3,850
Options exercisable at December 31, 2018	421,068	12.78	6.23	1,688

The following table summarizes information about the Company's stock options outstanding at December 31, 2018.

Range of Exercise Prices	Options Outstanding	Weighted Average Exercise Price	Remaining Life (Years)	Options Exercisable	Weighted Average Exercise Price	Remaining Life (Years)
\$0.01 - \$5.00	4,237	\$ 1.73	3.01	4,237	\$ 1.73	3.01
\$5.01 - \$10.00	-	-	-	-	-	-
\$10.01 - \$15.00	956,832	12.82	6.22	408,831	12.82	6.22
Over \$15.01	100,000	17.54	9.05	8,000	18.23	8.23
	1,061,069	\$ 13.21	6.47	421,068	\$ 12.78	6.23

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The following table summarizes information about the Company's nonvested stock option activity for the years ended December 31, 2018 and 2017:

Stock Options	Shares	Weighted Average Grant Date Fair Value
Nonvested at December 31, 2016	1,057,904	\$ 3.16
Granted	20,000	4.26
Vested	(237,707 )	2.87
Forfeited	(12,195 )	3.55
Nonvested at December 31, 2017	828,002	3.27