FIFTH THIRD BANCORP
Form 10-Q
November 06, 2018
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## UNITED STATES

## SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 10-Q
QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF
THE SECURITIES EXCHANGE ACT OF 1934

For the Quarterly Period Ended September 30, 2018
Commission File Number 001-33653
(Exact name of Registrant as specified in its charter)

| Ohio | 31-0854434 <br> (State or other jurisdiction <br> (I.R.S. Employer |
| :---: | :---: |
| of incorporation or organization) | Identification Number) |

## Fifth Third Center

## Cincinnati, Ohio 45263

(Address of principal executive offices)
Registrant s telephone number, including area code: (800) 972-3030
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
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. (Check one):

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 of the Exchange Act). Yes No

There were $655,615,619$ shares of the Registrant s common stock, without par value, outstanding as of October 31, 2018.

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FORWARD-LOOKING STATEMENTS

This report contains statements that we believe are forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Rule 175 promulgated thereunder, and Section 21E of the Securities Exchange Act of 1934, as amended, and Rule 3b-6 promulgated thereunder. These statements relate to our financial condition, results of operations, plans, objectives, future performance or business. They usually can be identified by the use of forward-looking language such as will likely result, may, are expected to, is anticipated, potential, forecast, projected, intends to, or may include other similar words or phrases such as believes, plans, trend, continue, remain, or similar expressions, or future or conditional verbs such as will, would, should, could,

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or similar verbs. You should not place undue reliance on these statements, as they are subject to risks and uncertainties, including but not limited to the risk factors set forth in the Risk Factors section in Item 1A in our most recent Annual Report on Form 10-K as updated by our Quarterly Reports on Form 10-Q. When considering these forward-looking statements, you should keep in mind these risks and uncertainties, as well as any cautionary statements we may make. Moreover, you should treat these statements as speaking only as of the date they are made and based only on information then actually known to us. There are a number of important factors that could cause future results to differ materially from historical performance and these forward-looking statements. Factors that might cause such a difference include, but are not limited to: (1) deteriorating credit quality; (2) loan concentration by location or industry of borrowers or collateral; (3) problems encountered by other financial institutions; (4) inadequate sources of funding or liquidity; (5) unfavorable actions of rating agencies; (6) inability to maintain or grow deposits; (7) limitations on the ability to receive dividends from subsidiaries; (8) cyber-security risks; (9) Fifth Third s ability to secure confidential information and deliver products and services through the use of computer systems and telecommunications networks; (10) failures by third-party service providers; (11) inability to manage strategic initiatives and/or organizational changes; (12) inability to implement technology system enhancements; (13) failure of internal controls and other risk management systems; (14) losses related to fraud, theft or violence; (15) inability to attract and retain skilled personnel; (16) adverse impacts of government regulation; (17) governmental or regulatory changes or other actions; (18) failures to meet applicable capital requirements; (19) regulatory objections to Fifth Third s capital plan; (20) regulation of Fifth Third s derivatives activities; (21) regulatory objections to Fifth Third s resolution plan; (22) deposit insurance premiums; (23) assessments for the orderly liquidation fund; (24) changes in LIBOR; (25) weakness in the national or local economies; (26) global political and economic uncertainty or negative actions; (27) changes in interest rates; (28) changes and trends in capital markets; (29) fluctuation of Fifth Third s stock price; (30) volatility in mortgage banking revenue; (31) litigation, investigations, and enforcement proceedings by governmental authorities; (32) breaches of contractual covenants, representations and warranties; (33) competition and changes in the financial services industry; (34) changing retail distribution strategies, customer preferences and behavior; (35) risks relating to the potential merger with MB Financial, Inc. and Fifth Third s ability to realize the anticipated benefits of the merger; (36) difficulties in identifying, acquiring or integrating suitable strategic partnerships, investments or acquisitions; (37) potential dilution from future acquisitions; (38) loss of income and/or difficulties encountered in the sale and separation of businesses, investments or other assets; (39) results of Worldpay Holding, LLC (formerly Vantiv Holding, LLC) a subsidiary of Worldpay, Inc. or other investments or acquired entities; (40) difficulties from or changes in Fifth Third s investment in, relationship with, and nature of the operations of Worldpay Holding, LLC, a subsidiary of Worldpay, Inc.; (41) changes in accounting standards or interpretation or declines in the value of Fifth Third s goodwill or other intangible assets; (42) inaccuracies or other failures from the use of models; (43) effects of critical accounting policies and judgments or the use of inaccurate estimates; (44) weather related events or other natural disasters; and (45) the impact of reputational risk created by these or other developments on such matters as business generation and retention, funding and liquidity.

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## Glossary of Abbreviations and Acronyms

Fifth Third Bancorp provides the following list of abbreviations and acronyms as a tool for the reader that are used in Management s Discussion and Analysis of Financial Condition and Results of Operations, the Condensed Consolidated Financial Statements and the Notes to Condensed Consolidated Financial Statements.

## ALCO: Asset Liability Management Committee

ALLL: Allowance for Loan and Lease Losses

AOCI: Accumulated Other Comprehensive Income (Loss)
APR: Annual Percentage Rate
ARM: Adjustable Rate Mortgage
ASF: Available Stable Funding
ASU: Accounting Standards Update
ATM: Automated Teller Machine
BCBS: Basel Committee on Banking Supervision
BHC: Bank Holding Company
BOLI: Bank Owned Life Insurance
BPO: Broker Price Opinion
bps: Basis Points
CCAR: Comprehensive Capital Analysis and Review
CDC: Fifth Third Community Development Corporation
CET1: Common Equity Tier 1
CFPB: Consumer Financial Protection Bureau
C\&I: Commercial and Industrial
DCF: Discounted Cash Flow

## HQLA: High Quality Liquid Assets

IPO: Initial Public Offering
IRC: Internal Revenue Code
IRLC: Interest Rate Lock Commitment
ISDA: International Swaps and Derivatives Association, Inc.

LCR: Liquidity Coverage Ratio
LIBOR: London Interbank Offered Rate
LLC: Limited Liability Company
LTV: Loan-to-Value

MD\&A: Management s Discussion and Analysis of Financial Condition and Results of Operations

MSR: Mortgage Servicing Right
N/A: Not Applicable
NII: Net Interest Income
NM: Not Meaningful
NPR: Notice of Proposed Rulemaking
NSFR: Net Stable Funding Ratio
OAS: Option-Adjusted Spread
OCI: Other Comprehensive Income (Loss)

DFA: Dodd-Frank Wall Street Reform \& Consumer OREO: Other Real Estate Owned Protection Act

DTCC: Depository Trust \& Clearing Corporation
ERM: Enterprise Risk Management
ERMC: Enterprise Risk Management Committee
EVE: Economic Value of Equity
FASB: Financial Accounting Standards Board
FDIC: Federal Deposit Insurance Corporation
FHA: Federal Housing Administration
FHLB: Federal Home Loan Bank
FHLMC: Federal Home Loan Mortgage Corporation
FICO: Fair Isaac Corporation (credit rating)
FINRA: Financial Industry Regulatory Authority
FNMA: Federal National Mortgage Association
FOMC: Federal Open Market Committee
FRB: Federal Reserve Bank
FTE: Fully Taxable Equivalent
FTP: Funds Transfer Pricing
FTS: Fifth Third Securities
GDP: Gross Domestic Product
GNMA: Government National Mortgage Association
GSE: United States Government Sponsored Enterprise

OTTI: Other-Than-Temporary Impairment
PCA: Prompt Corrective Action
RCC: Risk Compliance Committee
RSF: Required Stable Funding
SAR: Stock Appreciation Right
SBA: Small Business Administration
SCB: Stress Capital Buffer
SEC: United States Securities and Exchange Commission

SLB: Stress Leverage Buffer
TBA: To Be Announced
TCJA: Tax Cuts and Jobs Act
TDR: Troubled Debt Restructuring
TILA: Truth in Lending Act
TRA: Tax Receivable Agreement
U.S.: United States of America
U.S. GAAP: United States Generally Accepted Accounting Principles

VA: United States Department of Veteran Affairs
VIE: Variable Interest Entity
VRDN: Variable Rate Demand Note

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Management s Discussion and Analysis of Financial Condition and Results of Operations (Item 2)

The following is Management s Discussion and Analysis of Financial Condition and Results of Operations of certain significant factors that have affected Fifth Third Bancorp s (the Bancorp or Fifth Third ) financial condition and results of operations during the periods included in the Condensed Consolidated Financial Statements, which are a part of this filing. Reference to the Bancorp incorporates the parent holding company and all consolidated subsidiaries. The Bancorp s banking subsidiary is referred to as the Bank.

## TABLE 1: Selected Financial Data

| (\$ in millions, except for per share data) |  | For the three months ended September 30, |  | \% <br> Change |  | For the nine months ended September 30, |  | \% <br> Change |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Income Statement Data |  |  |  |  |  |  |  |  |
| Net interest income (U.S. GAAP) | \$ | 1,043 | 970 | 8 | \$ | 3,059 | 2,842 | 8 |
| Net interest income (FTE) ${ }^{(a)(b)}$ |  | 1,047 | 977 | 7 |  | 3,071 | 2,861 | 7 |
| Noninterest income |  | 563 | 1,561 | (64) |  | 2,215 | 2,648 | (16) |
| Total revenue ${ }^{(a)}$ |  | 1,610 | 2,538 | (37) |  | 5,286 | 5,509 | (4) |
| Provision for loan and lease losses |  | 86 | 67 | 28 |  | 142 | 193 | (26) |
| Noninterest expense |  | 1,008 | 975 | 3 |  | 3,090 | 2,918 | 6 |
| Net income attributable to Bancorp |  | 433 | 1,014 | (57) |  | 1,721 | 1,685 | 2 |
| Net income available to common shareholders |  | 418 | 999 | (58) |  | 1,669 | 1,633 | 2 |
| Common Share Data |  |  |  |  |  |  |  |  |
| Earnings per share - basic | \$ | 0.62 | 1.37 | (55) | \$ | 2.43 | 2.19 | 11 |
| Earnings per share - diluted |  | 0.61 | 1.35 | (55) |  | 2.38 | 2.16 | 10 |
| Cash dividends declared per common share |  | 0.18 | 0.16 | 13 |  | 0.52 | 0.44 | 18 |
| Book value per share |  | 21.92 | 21.30 | 3 |  | 21.92 | 21.30 | 3 |
| Market value per share |  | 27.92 | 27.98 | - |  | 27.92 | 27.98 |  |
| Financial Ratios |  |  |  |  |  |  |  |  |
| Return on average assets |  | 1.21 \% | 2.85 | (58) |  | 1.63\% | 1.60 | 2 |
| Return on average common equity |  | 11.2 | 25.6 | (56) |  | 15.0 | 14.3 | 5 |
| Return on average tangible common equity ${ }^{(b)}$ |  | 13.5 | 30.4 | (56) |  | 18.1 | 17.0 | 6 |
| Dividend payout |  | 29.0 | 11.7 | 148 |  | 21.4 | 20.1 | 6 |
| Average total Bancorp shareholders equity as a percent of average assets |  | 11.39 | 11.93 | (5) |  | 11.43 | 11.83 | (3) |
| Tangible common equity as a percent of tangible assets ${ }^{(b)(h)}$ |  | 9.12 | 8.89 | 3 |  | 9.12 | 8.89 | 3 |
| Net interest margin ${ }^{(a)(b)}$ |  | 3.23 | 3.07 | 5 |  | 3.20 | 3.03 | 6 |
| Net interest rate spread ${ }^{(a)(b)}$ |  | 2.87 | 2.79 | 3 |  | 2.87 | 2.77 | 4 |
| Efficiency ${ }^{(a)(b)}$ |  | 62.6 | 38.4 | 63 |  | 58.5 | 53.0 | 10 |
| Credit Quality |  |  |  |  |  |  |  |  |
| Net losses charged-off | \$ | 72 | 68 | 6 | \$ | 247 | 221 | 12 |

Net losses charged-off as a percent of

| average portfolio loans and leases | $\mathbf{0 . 3 0} \%$ | 0.29 | 3 | $\mathbf{0 . 3 6} \%$ | 0.32 | 13 |
| :--- | :--- | :--- | :---: | :--- | :--- | :--- |
| ALLL as a percent of portfolio loans and <br> leases | $\mathbf{1 . 1 7}$ | 1.31 | $(11)$ | $\mathbf{1 . 1 7}$ | 1.31 | (11) |
| Allowance for credit losses as a percent <br> of portfolio loans and leases <br> $(c)$ | $\mathbf{1 . 3 1}$ | 1.48 | $(11)$ | $\mathbf{1 . 3 1}$ | 1.48 | (11) |

Nonperforming portfolio assets as a percent of portfolio loans and leases and OREO
Average Balances

| Loans and leases, including held for sale \$ | 93,977 | 92,617 | 1 | \$ | 93,363 | 92,686 | 1 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Securities and other short-term investments | 34,822 | 33,826 | 3 |  | 34,813 | 33,497 | 4 |
| Assets | 141,752 | 140,992 | 1 |  | 141,616 | 140,495 | 1 |
| Transaction deposits ${ }^{(d)}$ | 97,315 | 94,927 | 3 |  | 97,303 | 95,916 | 1 |
| Core deposits ${ }^{(e)}$ | 101,492 | 98,649 | 3 |  | 101,321 | 99,680 | 2 |
| Wholesale funding ${ }^{(f)}$ | 20,613 | 21,529 | (4) |  | 20,546 | 20,450 | - |
| Bancorp shareholders equity | 16,145 | 16,820 | (4) |  | 16,187 | 16,623 | (3) |

## Regulatory Capital and Liquidity

## Ratios

|  | $\mathbf{1 0 . 6 7} \%$ | 10.59 | 1 | $\mathbf{1 0 . 6 7} \%$ | 10.59 | 1 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| CET1 capital ${ }^{(g)}$ | $\mathbf{1 1 . 7 8}$ | 11.72 | 1 | $\mathbf{1 1 . 7 8}$ | 11.72 | 1 |
| Tier I risk-based capital $(g)$ | $\mathbf{1 4 . 9 4}$ | 15.16 | $(1)$ | $\mathbf{1 4 . 9 4}$ | 15.16 | $(1)$ |
| Total risk-based capital ${ }^{(g)}$ | $\mathbf{1 0 . 1 0}$ | 9.97 | 1 | $\mathbf{1 0 . 1 0}$ | 9.97 | 1 |
| Tier I leverage | $\mathbf{1 1 9}$ | 124 | $(4)$ | $\mathbf{1 1 9}$ | 124 | $(4)$ |
| Modified LCR |  |  |  |  |  |  |

(a) Amounts presented on an FTE basis. The FTE adjustment for the three months ended September 30, 2018 and 2017 was $\$ 4$ and $\$ 7$, respectively, and for the nine months ended September 30, 2018 and 2017 was $\$ 12$ and $\$ 19$, respectively.
(b) These are non-GAAP measures. For further information, refer to the Non-GAAP Financial Measures section of $M D \& A$.
(c) The allowance for credit losses is the sum of the ALLL and the reserve for unfunded commitments.
(d) Includes demand deposits, interest checking deposits, savings deposits, money market deposits and foreign office deposits.
(e) Includes transaction deposits and other time deposits.
(f) Includes certificates \$100,000 and over, other deposits, federal funds purchased, other short-term borrowings and long-term debt.
(g) Under the U.S. banking agencies Basel III Final Rule, assets and credit equivalent amounts of off-balance sheet exposures are calculated according to the standardized approach for risk-weighted assets. The resulting values are added together in the Bancorp stotal risk-weighted assets.
(h) Excludes unrealized gains and losses.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

## OVERVIEW

Fifth Third Bancorp is a diversified financial services company headquartered in Cincinnati, Ohio. At September 30, 2018, the Bancorp had $\$ 141.7$ billion in assets and operated 1,152 full-service banking centers and 2,443 Fifth Third branded ATMs in ten states throughout the Midwestern and Southeastern regions of the U.S. The Bancorp reports on four business segments: Commercial Banking, Branch Banking, Consumer Lending and Wealth and Asset Management. The Bancorp also has an approximate $3.3 \%$ interest in Worldpay Holding, LLC (formerly Vantiv Holding, LLC). The carrying value of the Bancorp s investment in Worldpay Holding, LLC was $\$ 424$ million at September 30, 2018.

This overview of MD\&A highlights selected information in the financial results of the Bancorp and may not contain all of the information that is important to you. For a more complete understanding of trends, events, commitments, uncertainties, liquidity, capital resources and critical accounting policies and estimates, you should carefully read this entire document as well as the Bancorp s Annual Report on Form 10-K for the year ended December 31, 2017. Each of these items could have an impact on the Bancorp s financial condition, results of operations and cash flows. In addition, refer to the Glossary of Abbreviations and Acronyms in this report for a list of terms included as a tool for the reader of this quarterly report on Form $10-\mathrm{Q}$. The abbreviations and acronyms identified therein are used throughout this MD\&A, as well as the Condensed Consolidated Financial Statements and Notes to Condensed Consolidated Financial Statements.

Net interest income, net interest margin, net interest rate spread and the efficiency ratio are presented in MD\&A on an FTE basis. The FTE basis adjusts for the tax-favored status of income from certain loans and securities held by the Bancorp that are not taxable for federal income tax purposes. The Bancorp believes this presentation to be the preferred industry measurement of net interest income as it provides a relevant comparison between taxable and non-taxable amounts. The FTE basis for presenting net interest income is a non-GAAP measure. For further information, refer to the Non-GAAP Financial Measures section of MD\&A.

The Bancorp s revenues are dependent on both net interest income and noninterest income. For the three months ended September 30, 2018, net interest income on an FTE basis and noninterest income provided $65 \%$ and $35 \%$ of total revenue, respectively. For the nine months ended September 30, 2018, net interest income on an FTE basis and noninterest income provided $58 \%$ and $42 \%$ of total revenue, respectively. The Bancorp derives the majority of its revenues within the U.S. from customers domiciled in the U.S. Revenue from foreign countries and external customers domiciled in foreign countries was immaterial to the Condensed Consolidated Financial Statements for both the three and nine months ended September 30, 2018. Changes in interest rates, credit quality, economic trends and the capital markets are primary factors that drive the performance of the Bancorp. As discussed later in the Risk Management section of MD\&A, risk identification, measurement, monitoring, control and reporting are important to the management of risk and to the financial performance and capital strength of the Bancorp.

Net interest income is the difference between interest income earned on assets such as loans, leases and securities, and interest expense incurred on liabilities such as deposits, other short-term borrowings and long-term debt. Net interest income is affected by the general level of interest rates, the relative level of short-term and long-term interest rates, changes in interest rates and changes in the amount and composition of interest-earning assets and interest-bearing

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liabilities. Generally, the rates of interest the Bancorp earns on its assets and pays on its liabilities are established for a period of time. The change in market interest rates over time exposes the Bancorp to interest rate risk through potential adverse changes to net interest income and financial position. The Bancorp manages this risk by continually analyzing and adjusting the composition of its assets and liabilities based on their payment streams and interest rates, the timing of their maturities and their sensitivity to changes in market interest rates. Additionally, in the ordinary course of business, the Bancorp enters into certain derivative transactions as part of its overall strategy to manage its interest rate and prepayment risks. The Bancorp is also exposed to the risk of loss on its loan and lease portfolio, as a result of changing expected cash flows caused by borrower credit events, such as loan defaults and inadequate collateral.

Noninterest income is derived from service charges on deposits, wealth and asset management revenue, corporate banking revenue, card and processing revenue, mortgage banking net revenue, net securities gains or losses and other noninterest income. Noninterest expense includes personnel costs, net occupancy expense, technology and communication costs, equipment expense, card and processing expense and other noninterest expense.

## Worldpay, Inc. and Worldpay Holding, LLC Transactions

On January 16, 2018, Vantiv, Inc. completed its previously announced acquisition of Worldpay Group plc. with the resulting combined company named Worldpay, Inc. As a result of this transaction, the Bancorp recognized a gain of $\$ 414$ million in other noninterest income during the first quarter of 2018 associated with the dilution in its ownership interest in Worldpay Holding, LLC from approximately $8.6 \%$ to approximately $4.9 \%$.

On June 27, 2018, the Bancorp completed the sale of 5 million shares of Class A common stock of Worldpay, Inc. (formerly Vantiv, Inc.). The Bancorp had previously received these Class A shares in exchange for Class B Units of Worldpay Holding, LLC. The Bancorp recognized a gain of $\$ 205$ million related to the sale. As a result of the sale, the Bancorp beneficially owns approximately $3.3 \%$ of Worldpay s equity through its ownership of approximately 10.3 million Class B Units. At September 30, 2018, the Bancorp s remaining interest in Worldpay Holding, LLC of $\$ 424$ million continues to be accounted for as an equity method investment given the nature of Worldpay Holding, LLC s structure as a limited liability company and contractual arrangements between Worldpay Holding, LLC and the Bancorp.

## GS Holdings Transaction

In May 2018, GreenSky, Inc. launched an IPO and issued 38 million shares of Class A common stock for a valuation of $\$ 23$ per share. In connection with this IPO, the Bancorp s investment in GreenSky, LLC, which was comprised of 252,550 membership units, was converted to 2,525,498 units of the newly formed GreenSky Holdings, LLC ( GS Holdings ), representing a $1.4 \%$ interest in GS Holdings. The Bancorp s units in GS Holdings are exchangeable on a one-to-one basis for Class A common stock or cash after the initial 180-day lock-up period expires.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

At the time of the IPO, the Bancorp recognized a $\$ 16$ million gain on its investment in GreenSky, LLC, which was included in other noninterest income in the Condensed Consolidated Statements of Income for the three and six months ended June 30, 2018. At September 30, 2018, the investment in GS Holdings was $\$ 45$ million, which was included in equity securities in the Condensed Consolidated Balance Sheets.

## Accelerated Share Repurchase Transactions

During the nine months ended September 30, 2018, the Bancorp entered into or settled accelerated share repurchase transactions. As part of these transactions, the Bancorp entered into forward contracts in which the final number of shares delivered at settlement was based generally on a discount to the average daily volume weighted-average price of the Bancorp s common stock during the term of the repurchase agreements. For more information on the accelerated share repurchase program, refer to Note 15 of the Notes to Condensed Consolidated Financial Statements. For a summary of the Bancorp s accelerated share repurchase transactions that were entered into or settled during the nine months ended September 30, 2018, refer to Table 2.

## TABLE 2: Summary of Accelerated Share Repurchase Transactions

Shares Received from

|  | Amount Shares Repurchased on |  | Forward <br> Repurchase | Total <br> Contract |  | Shares |
| :--- | :---: | :---: | ---: | ---: | ---: | ---: |
| Repurchase Date | (\$ in millions) | Date | Settlement | Repurchased | Settlement Date |  |
| December 19, 2017 | $\$$ | 273 | $7,727,273$ | 824,367 | $8,551,640$ | March 19, 2018 |
| February 12, 2018 | 318 | $8,691,318$ | $1,015,731$ | $9,707,049$ | March 26, 2018 |  |
| May 25, 2018 | 235 | $6,402,244$ | $1,172,122$ | $7,574,366$ | June 15, 2018 |  |

Open Market Share Repurchase Transactions
Between July 20, 2018 and August 2, 2018, the Bancorp repurchased 16,945,020 shares, or approximately $\$ 500$ million, of its outstanding common stock through open market repurchase transactions, which settled between July 24, 2018 and August 6, 2018. For more information on the open market share repurchase program, refer to Note 15 of the Notes to Condensed Consolidated Financial Statements.

## Senior Notes Offering

On March 14, 2018, the Bancorp issued and sold $\$ 650$ million of $3.95 \%$ senior fixed-rate notes, with a maturity of ten years, due on March 14, 2028. These notes will be redeemable by the Bancorp, in whole or in part, on or after the date that is 30 days prior to the maturity date at a redemption price equal to $100 \%$ of the principal amount of the notes to be redeemed plus accrued and unpaid interest thereon to, but excluding, the redemption date.

On June 5, 2018, the Bancorp issued and sold $\$ 250$ million of senior floating-rate notes, with a maturity of three years, due on June 4, 2021. Interest on the floating-rate notes is 3 -month LIBOR plus 47 bps . These notes will be redeemable, in whole or in part, on or after the date that is 30 days prior to the maturity date at a redemption price
equal to $100 \%$ of the principal amount of the notes to be redeemed plus accrued and unpaid interest thereon to, but excluding, the redemption date.

On July 26, 2018 the Bank issued and sold $\$ 1.55$ billion in aggregate principal amount of unsecured senior bank notes. The bank notes consisted of $\$ 500$ million of $3.35 \%$ senior fixed-rate notes, with a maturity of three years, due on July 26, 2021; $\$ 300$ million of senior floating-rate notes at three-month LIBOR plus 44 bps , with a maturity of three years, due on July 26,2021 ; and $\$ 750$ million of $3.95 \%$ senior fixed-rate notes, with a maturity of seven years, due July 28, 2025. The Bank entered into interest rate swaps to convert the fixed-rate notes due in 2021 and 2025 to a floating-rate, which resulted in an effective interest rate of one-month LIBOR plus 53 bps and 104 bps , respectively. These bank notes will be redeemable by the Bank, in whole or in part, on or after the date that is 30 days prior to the maturity date at a redemption price equal to $100 \%$ of the principal amount plus accrued and unpaid interest up to, but excluding, the redemption date.

## 2018 Branch Optimization Plan

Customer interactions and service and sales activity in Branch Banking continue to evolve with changing demographics and technology applications. Customers are increasingly utilizing digital tools to interact with their financial institutions in conducting their transactions while still utilizing physical branches for consultations and new product and service initiation. During the past three years, these developments and other business strategies led to a net decrease of 143 in the number of retail branches, or $11 \%$ of the Bancorp stotal branch count, through consolidations and sales.

The Bancorp continues to evaluate its retail network distribution in light of changes in customer behavior while developing new analytical tools that provide enhanced capabilities to optimize the profitability and growth potential of branches. In slower growth mature markets these developments enable the Bancorp to achieve efficiencies through well-executed branch consolidations without materially impacting deposit flows and/or revenue growth while maintaining the service quality standards. While continuing to evaluate such actions, the Bancorp is also focused on achieving higher retail household and deposit growth in other parts of its footprint mainly in markets that exhibit faster economic growth and where the Bancorp has significant opportunities to capture higher market share. To that extent, based on the strategic business evaluation that was performed during the second quarter of 2018, over the next 2-3 years, as part of the 2018 Branch Optimization Plan, the Bancorp plans to close between 100-125 branches in more mature markets and open between 100-125 new branches in higher growth markets where the Bancorp already has an existing retail branch presence. With the existing local presence and familiarity with the customer demographics, and with newly developed analytical tools, the Bancorp expects to achieve higher growth rates as a result of these actions.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

As of September 30, 2018, the Bancorp had identified 31 specific branches for closure under the 2018 Branch Optimization Plan with these closures expected to be completed prior to December 31, 2018. The Bancorp expects to identify the remaining branches to be closed under the 2018 Branch Optimization Plan prior to December 31, 2019. As part of the adoption of the 2018 Branch Optimization Plan, the Bancorp has also elected to sell 21 parcels of land which had previously been held for future branch expansion. For further information about the 2018 Branch Optimization plan, refer to Note 7 of the Notes to Condensed Consolidated Financial Statements.

## Legislative and Regulatory Developments

On May 24, 2018, the Economic Growth, Regulatory Relief and Consumer Protection Act (the Reform Act ) was signed into law. Among other regulatory changes, the Reform Act amends various sections of the DFA, most impactful are changes to section 165 of DFA raising the asset thresholds for determining the application of Enhanced Prudential Standards for BHCs deemed systemically important. The Reform Act raised the asset thresholds in two separate timeframes, immediately removing BHCs with consolidated assets below $\$ 100$ billion from the application of the Enhanced Prudential Standards. BHCs with consolidated assets greater than $\$ 100$ billion but less than $\$ 250$ billion, including Fifth Third Bancorp, would continue to be subject to the Enhanced Prudential Standards for 18 months after the date of enactment, unless the Board of Governors of the FRB acts prior to that time period to provide regulatory relief from the Enhanced Prudential Standards or elects to continue to subject these BHCs to some form of Enhanced Prudential Standards. However, the FRB is also authorized to exempt any BHC with assets between $\$ 100$ billion and $\$ 250$ billion from any Enhanced Prudential Standards prior to the end of the 18 -month period or after.

Regardless of this regulatory outcome, the Reform Act requires the FRB to continue to subject BHCs with consolidated assets between $\$ 100$ billion to $\$ 250$ billion to a periodic supervisory stress test and to continue to apply risk committee requirements outlined in the DFA. The Reform Act also provides the FRB the authority to continue to subject BHCs with consolidated assets greater than $\$ 100$ billion to Enhanced Prudential Standards if the FRB determines that application is warranted and appropriate to address risks to financial stability and promote safety and soundness taking into consideration certain factors including the BHC s capital structure, riskiness, complexity, financial activities (including financial activities of subsidiaries), size, and any other risk-related factors that the FRB deems appropriate.

On October 31, 2018, the federal banking agencies issued two NPRs related to the implementation of the Reform Act. The proposed rules would establish four risk-based categories of institutions and apply tailored capital and liquidity requirements for each respective category. These proposals are subject to modification through the federal rulemaking process in accordance with the Administrative Procedures Act, but based upon Fifth Third s interpretation of the NPRs, the Bancorp would qualify as a Category IV BHC subject to the least restrictive of the proposed requirements.

The ultimate benefits or consequences of the Reform Act on Fifth Third Bancorp, Fifth Third Bank and their respective subsidiaries and activities will be subject to the final form of these NPRs, and additional rulemakings issued by the FRB and additional federal regulators. Fifth Third cannot predict future changes in the applicable laws, regulations and regulatory agency policies, yet such changes may have a material effect on its business, financial condition or results of operations.

## Earnings Summary

The Bancorp s net income available to common shareholders for the third quarter of 2018 was $\$ 418$ million, or $\$ 0.61$ per diluted share, which was net of $\$ 15$ million in preferred stock dividends. The Bancorp s net income available to common shareholders for the third quarter of 2017 was $\$ 999$ million, or $\$ 1.35$ per diluted share, which was net of $\$ 15$ million in preferred stock dividends. The Bancorp s net income available to common shareholders for the nine months ended September 30, 2018 was $\$ 1.7$ billion, or $\$ 2.38$ per diluted share, which was net of $\$ 52$ million in preferred stock dividends. For the nine months ended September 30, 2017, the Bancorp s net income available to common shareholders was $\$ 1.6$ billion, or $\$ 2.16$ per diluted share, which was net of $\$ 52$ million in preferred stock dividends.

Net interest income on an FTE basis (non-GAAP) was $\$ 1.0$ billion and $\$ 3.1$ billion for the three and nine months ended September 30, 2018, respectively, an increase of $\$ 70$ million and $\$ 210$ million compared to the same periods in the prior year. Net interest income was positively impacted by increases in both the yields and amounts of average loans and leases and average taxable securities for the three and nine months ended September 30, 2018 compared to the same periods in the prior year. Additionally, net interest income was positively impacted by the decisions of the FOMC to raise the target range of the federal funds rate 25 bps in December 2017, March 2018, June 2018 and September 2018. These positive impacts were partially offset by increases in the rates paid on average interest-bearing core deposits and average long-term debt for both the three and nine months ended September 30, 2018 compared to the same periods in the prior year. Net interest margin on an FTE basis (non-GAAP) was $3.23 \%$ and $3.20 \%$ for the three and nine months ended September 30, 2018, respectively, compared to $3.07 \%$ and $3.03 \%$ for the three and nine months ended September 30, 2017, respectively.

Noninterest income decreased $\$ 998$ million for the three months ended September 30, 2018 compared to the same period in the prior year primarily due to decreases in other noninterest income and mortgage banking net revenue. Other noninterest income decreased $\$ 990$ million during the three months ended September 30, 2018 compared to the three months ended September 30, 2017 primarily due to the gain on sale of Worldpay, Inc. shares recognized during the third quarter of 2017 and a reduction in equity method income from the Bancorp s interest in Worldpay Holding, LLC. These reductions were partially offset by a decrease in the loss on the swap associated with the sale of Visa, Inc. Class B Shares and an increase in private equity investment income. Mortgage banking net revenue decreased $\$ 14$ million for the three months ended September 30, 2018 compared to the same period in the prior year primarily due to a decrease in origination fees and gains on loan sales driven by a decrease in originations and lower margins due to the interest rate environment.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

Noninterest income decreased $\$ 433$ million for the nine months ended September 30, 2018 compared to the nine months ended September 30, 2017 primarily due to decreases in other noninterest income and mortgage banking net revenue. Other noninterest income decreased $\$ 443$ million during the nine months ended September 30, 2018 compared to the same period in the prior year primarily due to the gain on sale of Worldpay, Inc. shares recognized during the third quarter of 2017, a reduction in equity method income from the Bancorp s interest in Worldpay Holding, LLC and an increase in the net losses on disposition and impairment of bank premises and equipment. These reductions were partially offset by the gain related to Vantiv, Inc. s acquisition of Worldpay Group plc., the gain on the sale of Worldpay, Inc. shares recognized during the second quarter of 2018 and increases in private equity investment income and in insurance income. Mortgage banking net revenue decreased $\$ 12$ million during the nine months ended September 30, 2018 compared to the same period in the prior year primarily due to a decrease in origination fees and gains on loan sales driven by a decrease in originations and lower margins due to the interest rate environment, partially offset by an increase in net mortgage servicing revenue driven by a decrease in net negative valuation adjustments and an increase in gross mortgage servicing fees.

Noninterest expense increased $\$ 33$ million for the three months ended September 30, 2018 compared to the same period in the prior year primarily due to increases in personnel costs, technology and communications expense and other noninterest expense. Personnel costs increased $\$ 19$ million for the three months ended September 30, 2018 compared to the same period in the prior year driven by an increase in base compensation, variable compensation, long-term incentive compensation and severance costs. Technology and communications expense increased $\$ 9$ million for the three months ended September 30, 2018 compared to the same period in the prior year driven primarily by increased investment in regulatory, compliance and growth initiatives. Other noninterest expense increased $\$ 9$ million for the three months ended September 30, 2018 compared to the same period in the prior year driven primarily by increased marketing expenses as a result of an increase in advertising volume related to the brand campaign and promotional offers.

Noninterest expense increased $\$ 172$ million for the nine months ended September 30, 2018 compared to the same period in the prior year primarily due to increases in personnel costs, technology and communications expense and other noninterest expense. Personnel costs increased $\$ 120$ million for the nine months ended September 30, 2018 compared to the same period in the prior year driven by an increase in base compensation, variable compensation, long-term incentive compensation and severance costs. Technology and communications expense increased $\$ 29$ million for the nine months ended September 30, 2018 compared to the same period in the prior year driven primarily by increased investment in regulatory, compliance and growth initiatives. Other noninterest expense increased $\$ 25$ million for the nine months ended September 30, 2018 compared to the same period in the prior year primarily due to increases in marketing expense, the impairment on affordable housing investments, loan and lease expense and donations expense, partially offset by an increase in the benefit for the reserve for unfunded commitments and a decrease in professional service fees.

For more information on net interest income, noninterest income and noninterest expense refer to the Statements of Income Analysis section of MD\&A.

## Credit Summary

The provision for loan and lease losses was $\$ 86$ million and $\$ 142$ million for the three and nine months ended September 30, 2018, respectively, compared to $\$ 67$ million and $\$ 193$ million for the comparable periods in 2017. Net losses charged-off as a percent of average portfolio loans and leases increased to $0.30 \%$ during the three months ended September 30, 2018 compared to $0.29 \%$ during the same period in the prior year and increased to $0.36 \%$ for the nine months ended September 30, 2018 compared to $0.32 \%$ for the same period in the prior year. At September 30, 2018, nonperforming portfolio assets as a percent of portfolio loans and leases and OREO decreased to $0.48 \%$ compared to $0.53 \%$ at December 31, 2017. For further discussion on credit quality refer to the Credit Risk Management subsection of the Risk Management section of MD\&A.

## Capital Summary

The Bancorp scapital ratios exceed the well-capitalized guidelines as defined by the PCA requirements of the U.S. banking agencies. As of September 30, 2018, as calculated under the Basel III standardized approach, the CET1 capital ratio was $10.67 \%$, the Tier I risk-based capital ratio was $11.78 \%$, the Total risk-based capital ratio was $14.94 \%$ and the Tier I leverage ratio was $10.10 \%$.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

## NON-GAAP FINANCIAL MEASURES

The following are non-GAAP measures which provide useful insight to the reader of the Condensed Consolidated Financial Statements but should be supplemental to primary U.S. GAAP measures and should not be read in isolation or relied upon as a substitute for the primary U.S. GAAP measures.

The FTE basis adjusts for the tax-favored status of income from certain loans and securities held by the Bancorp that are not taxable for federal income tax purposes. The Bancorp believes this presentation to be the preferred industry measurement of net interest income as it provides a relevant comparison between taxable and non-taxable amounts.

The following table reconciles the non-GAAP financial measures of net interest income on an FTE basis, interest income on an FTE basis, net interest margin, net interest rate spread and the efficiency ratio to U.S. GAAP:

TABLE 3: Non-GAAP Financial Measures - Financial Measures and Ratios on an FTE basis

| (\$ in millions) | For the three months ended September 30, |  |  | For the nine months ended September 30, |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2018 | 2017 | 2018 | 2017 |
| Net interest income (U.S. GAAP) | \$ | 1,043 | 970 | 3,059 | 2,842 |
| Add: FTE adjustment |  | 4 | 7 | 12 | 19 |
| Net interest income on an FTE basis (1) | \$ | 1,047 | 977 | 3,071 | 2,861 |
| Net interest income on an FTE basis (annualized) (2) |  | 4,154 | 3,876 | 4,106 | 3,815 |
| Interest income (U.S. GAAP) | \$ | 1,315 | 1,152 | 3,790 | 3,344 |
| Add: FTE adjustment |  | 4 | 7 | 12 | 19 |
| Interest income on an FTE basis | \$ | 1,319 | 1,159 | 3,802 | 3,363 |
| Interest income on an FTE basis (annualized) (3) |  | 5,233 | 4,598 | 5,083 | 4,496 |
| Interest expense (annualized) (4) | \$ | 1,079 | 722 | 977 | 671 |
| Noninterest income (5) |  | 563 | 1,561 | 2,215 | 2,648 |
| Noninterest expense (6) |  | 1,008 | 975 | 3,090 | 2,918 |
| Average interest-earning assets (7) |  | 128,799 | 126,443 | 128,176 | 126,183 |
| Average interest-bearing liabilities (8) |  | 89,772 | 85,328 | 88,875 | 85,181 |
| Ratios: |  |  |  |  |  |
| Net interest margin on an FTE basis (2) / (7) |  | 3.23 \% | 3.07 | 3.20 | 3.03 |
| Net interest rate spread on an FTE basis ((3) / (7)) - ((4) / (8)) |  | 2.87 | 2.79 | 2.87 | 2.77 |
| Efficiency ratio on an FTE basis (6) / ( 1 ) + (5)) |  | 62.6 | 38.4 | 58.5 | 53.0 |

The Bancorp believes return on average tangible common equity is an important measure for comparative purposes with other financial institutions, but is not defined under U.S. GAAP, and therefore is considered a non-GAAP
financial measure. This measure is useful for evaluating the performance of a business as it calculates the return available to common shareholders without the impact of intangible assets and their related amortization.

The following table reconciles the non-GAAP financial measure of return on average tangible common equity to U.S. GAAP:

TABLE 4: Non-GAAP Financial Measures - Return on Average Tangible Common Equity

| (\$ in millions) | For the three months ended September 30, |  |  | For the nine months ended September 30, |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2018 | 2017 | 2018 | 2017 |
| Net income available to common shareholders (U.S. |  |  |  |  |  |
| GAAP) | \$ | 418 | 999 | 1,669 | 1,633 |
| Add: Intangible amortization, net of tax |  | 1 | - | 3 | 1 |
| Tangible net income available to common shareholders | \$ | 419 | 999 | 1,672 | 1,634 |
| Tangible net income available to common shareholders (annualized) (1) |  | 1,662 | 3,963 | 2,235 | 2,179 |
| Average Bancorp shareholders equity (U.S. GAAP) | \$ | 16,145 | 16,820 | 16,187 | 16,623 |
| Less: Average preferred stock |  | $(1,331)$ | $(1,331)$ | $(1,331)$ | $(1,331)$ |
| Average goodwill |  | $(2,462)$ | $(2,423)$ | $(2,460)$ | $(2,421)$ |
| Average intangible assets |  | (29) | (18) | (28) | (15) |
| Average tangible common equity (2) | \$ | 12,323 | 13,048 | 12,368 | 12,856 |
| Return on average tangible common equity (1) / (2) |  | 13.5 \% | 30.4 | 18.1 | 17.0 |

The Bancorp considers various measures when evaluating capital utilization and adequacy, including the tangible equity ratio and tangible common equity ratio, in addition to capital ratios defined by the U.S. banking agencies. These calculations are intended to complement the capital ratios defined by the U.S. banking agencies for both absolute and comparative purposes. Because U.S. GAAP does not include capital ratio measures, the Bancorp believes there are no comparable U.S. GAAP financial measures to these ratios. These ratios are not formally defined by U.S. GAAP or codified in the federal banking regulations and, therefore, are considered to be non-GAAP financial measures. The Bancorp encourages readers to consider its Condensed Consolidated Financial Statements in their entirety and not to rely on any single financial measure.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

The following table reconciles non-GAAP capital ratios to U.S. GAAP:

## TABLE 5: Non-GAAP Financial Measures - Capital Ratios

| As of (\$ in millions) | $\begin{gathered} \text { September 30, } \\ 2018 \end{gathered}$ |  | $\begin{gathered} \text { December 31, } \\ 2017 \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| Total Bancorp Shareholders Equity (U.S. GAAP) | \$ | 15,830 | 16,365 |
| Less: Preferred stock |  | $(1,331)$ | $(1,331)$ |
| Goodwill |  | $(2,462)$ | $(2,445)$ |
| Intangible assets |  | (28) | (27) |
| AOCI |  | 775 | (73) |
| Tangible common equity, excluding unrealized gains / losses (1) |  | 12,784 | 12,489 |
| Add: Preferred stock |  | 1,331 | 1,331 |
| Tangible equity (2) | \$ | 14,115 | 13,820 |
| Total Assets (U.S. GAAP) | \$ | 141,685 | 142,193 |
| Less: Goodwill |  | $(2,462)$ | $(2,445)$ |
| Intangible assets |  | (28) | (27) |
| AOCI, before tax |  | 981 | (92) |
| Tangible assets, excluding unrealized gains / losses (3) | \$ | 140,176 | 139,629 |
| Ratios: |  |  |  |
| Tangible equity as a percentage of tangible assets (2) / (3) |  | 10.07 \% | 9.90 |
| Tangible common equity as a percentage of tangible assets (1) / (3) |  | 9.12 | 8.94 |

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

## RECENT ACCOUNTING STANDARDS

Note 3 of the Notes to Condensed Consolidated Financial Statements provides a discussion of the significant new accounting standards applicable to the Bancorp and the expected impact of significant accounting standards issued, but not yet required to be adopted.

## CRITICAL ACCOUNTING POLICIES

The Bancorp s Condensed Consolidated Financial Statements are prepared in accordance with U.S. GAAP. Certain accounting policies require management to exercise judgment in determining methodologies, economic assumptions and estimates that may materially affect the Bancorp s financial position, results of operations and cash flows. The Bancorp s critical accounting policies include the accounting for the ALLL, reserve for unfunded commitments, income taxes, valuation of servicing rights, fair value measurements, goodwill and legal contingencies. These accounting policies are discussed in detail in the Critical Accounting Policies section of the Bancorp s Annual Report on Form 10-K for the year ended December 31, 2017. There have been no material changes to the valuation techniques or models during the nine months ended September 30, 2018.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

## STATEMENTS OF INCOME ANALYSIS

## Net Interest Income

Net interest income is the interest earned on loans and leases (including yield-related fees), securities and other short-term investments less the interest paid for core deposits (includes transaction deposits and other time deposits) and wholesale funding (includes certificates $\$ 100,000$ and over, other deposits, federal funds purchased, other short-term borrowings and long-term debt). The net interest margin is calculated by dividing net interest income by average interest-earning assets. Net interest rate spread is the difference between the average yield earned on interest-earning assets and the average rate paid on interest-bearing liabilities. Net interest margin is typically greater than net interest rate spread due to the interest income earned on those assets that are funded by noninterest-bearing liabilities, or free funding, such as demand deposits or shareholders equity.

Tables 6 and 7 present the components of net interest income, net interest margin and net interest rate spread for the three and nine months ended September 30, 2018 and 2017, as well as the relative impact of changes in the balance sheet and changes in interest rates on net interest income. Nonaccrual loans and leases and loans and leases held for sale have been included in the average loan and lease balances. Average outstanding securities balances are based on amortized cost with any unrealized gains or losses on available-for-sale debt and other securities included in other assets.

Net interest income on an FTE basis (non-GAAP) was $\$ 1.0$ billion and $\$ 3.1$ billion for the three and nine months ended September 30, 2018, respectively, an increase of $\$ 70$ million and $\$ 210$ million compared to the same periods in the prior year. Net interest income was positively impacted by increases in yields on average loans and leases of 53 bps and 51 bps , respectively, and yields on average taxable securities of 14 bps and 12 bps , respectively, for the three and nine months ended September 30, 2018 compared to the same periods in the prior year. Net interest income was also positively impacted by increases in average loans and leases of $\$ 1.4$ billion and $\$ 677$ million, respectively, and average taxable securities of $\$ 1.0$ billion and $\$ 1.2$ billion, respectively, for the three and nine months ended September 30, 2018, compared to the same periods in the prior year. Additionally, net interest income was positively impacted by the decisions of the FOMC to raise the target range of the federal funds rate 25 bps in December 2017, March 2018, June 2018 and September 2018. These positive impacts were partially offset by increases in the rates paid on average interest-bearing core deposits and average long-term debt for both the three and nine months ended September 30, 2018 compared to the same periods in the prior year. The rates paid on average interest-bearing core deposits increased 35 bps and 29 bps , respectively, for the three and nine months ended September 30, 2018 compared to the same periods in the prior year. The rates paid on average long-term debt increased 27 bps for both the three and nine months ended September 30, 2018 compared to the same periods in the prior year.

Net interest rate spread on an FTE basis (non-GAAP) was $2.87 \%$ during both the three and nine months ended September 30, 2018 compared to $2.79 \%$ and $2.77 \%$, respectively, in the same periods in the prior year. Yields on average interest-earning assets increased 43 bps and 41 bps for the three and nine months ended September 30, 2018, respectively, partially offset by a 35 bps and 31 bps increase in rates paid on average interest-bearing liabilities for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year.

Net interest margin on an FTE basis (non-GAAP) was $3.23 \%$ and $3.20 \%$ for the three and nine months ended September 30, 2018, respectively, compared to $3.07 \%$ and $3.03 \%$ for the three and nine months ended September 30, 2017, respectively. The increase for both periods was driven primarily by the previously mentioned increases in the net interest rate spread partially offset by decreases in average free funding balances. The decreases in average free funding balances for both periods were driven by decreases in average demand deposits of $\$ 2.5$ billion and $\$ 2.0$ billion for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year.

Interest income on an FTE basis from loans and leases (non-GAAP) increased $\$ 139$ million and $\$ 373$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year. The increases were primarily due to the aforementioned increases in yields on average loans and leases, as well as increases in the volume of average other consumer loans. For more information on the Bancorp s loan and lease portfolio, refer to the Loans and Leases subsection of the Balance Sheet Analysis section of MD\&A. Interest income from investment securities and other short-term investments increased $\$ 21$ million and $\$ 66$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily as a result of the aforementioned increases in average taxable securities and yields on average taxable securities.

Interest expense on core deposits increased $\$ 67$ million and $\$ 158$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year. The increases were primarily due to increases in the cost of average interest-bearing core deposits to 74 bps and 64 bps for the three and nine months ended September 30, 2018, respectively, from 39 bps and 35 bps for the three and nine months ended September 30, 2017, respectively. The increases in the cost of average interest-bearing core deposits for both periods were primarily due to increases in the rates paid on average interest checking deposits and average money market deposits. Refer to the Deposits subsection of the Balance Sheet Analysis section of MD\&A for additional information on the Bancorp s deposits.

Interest expense on average wholesale funding increased $\$ 23$ million and $\$ 71$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily due to the aforementioned increases in the rates paid on average long-term debt coupled with increases in average long-term debt. Refer to the Borrowings subsection of the Balance Sheet Analysis section of MD\&A for additional information on the Bancorp s borrowings. During both the three and nine months ended September 30, 2018, average wholesale funding represented $23 \%$ of average interest-bearing liabilities compared to $25 \%$ and $24 \%$ during the three and nine months ended September 30, 2017, respectively. For more information on the Bancorp s interest rate risk management, including estimated earnings sensitivity to changes in market interest rates, see the Market Risk Management subsection of the Risk Management section of MD\&A.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

TABLE 6: Condensed Average Balance Sheets and Analysis of Net Interest Income on an FTE Basis
Attribution of Change in
For the three
months ended

September 30, 2018
Average
Average Revenue/ Yield/
(\$ in millions) Balance Cost Rate

September 30, 2017
Average
Average Revenue/ Yield/
Balance Cost Rate Volume Yield/Rate Total
Assets:
Interest-earning assets:
Loans and leases: ${ }^{(b)}$


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T $\begin{array}{llll} & \mathrm{t} & \mathrm{a} & 1\end{array}$
interest-earning

| assets | $\$$ | $\mathbf{1 2 8 , 7 9 9}$ | $\mathbf{1 , 3 1 9}$ | $\mathbf{4 . 0 7 \%}$ | $\$$ | 126,443 | 1,159 | $3.64 \%$ | $\$$ | 33 | 127 | 160 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Cash and due from banks $\quad \mathbf{2 , 1 9 3} \quad 2,227$
$\begin{array}{lll}\text { Other assets } \quad \mathbf{1 1 , 8 3 7} & \mathbf{1 3 , 5 3 2}\end{array}$
Allowance for loan and lease

| losses | $\mathbf{( 1 , 0 7 7 )}$ |  | $(1,210)$ |
| :--- | ---: | ---: | ---: |
| Total assets | $\$$ | $\mathbf{1 4 1 , 7 5 2}$ | $\mathbf{1 4 0}, 992$ |

Liabilities and
Equity:
Interest-bearing
liabilities:

| Interest checking deposits | 29,681 | 66 | 0.88\% | \$ | 25,765 | 29 | 0.44\% | \$ | 5 | 32 | 37 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Savings deposits | 13,231 | 4 | 0.11 |  | 13,889 | 2 | 0.06 |  | - | 2 | 2 |
| Money market deposits | 21,753 | 44 | 0.80 |  | 20,028 | 19 | 0.39 |  | 2 | 23 | 25 |
| Foreign office deposits | 317 | - | 0.33 |  | 395 | - | 0.21 |  | - | - | - |
| Other time deposits | 4,177 | 15 | 1.48 |  | 3,722 | 12 | 1.23 |  | - | 3 | 3 |
| $\begin{array}{lllll}\mathrm{T} & \mathrm{o} & \mathrm{t} & \mathrm{a} & \mathrm{l}\end{array}$ interest-bearing core deposits | 69,159 | 129 | 0.74 |  | 63,799 | 62 | 0.39 |  | 7 | 60 | 67 |
| Certificates $\$ 100,000$ and over | 2,596 | 12 | 1.85 |  | 2,625 | 9 | 1.38 |  | - | 3 | 3 |
| Other deposits | 578 | 3 | 1.95 |  | 560 | 2 | 1.16 |  | - | 1 | 1 |
| Federal funds purchased | 1,987 | 10 | 1.96 |  | 675 | 2 | 1.16 |  | 6 | 2 | 8 |
| Other short-term borrowings | 1,018 | 6 | 2.22 |  | 4,212 | 12 | 1.09 |  | (13) | 7 | (6) |
| Long-term debt | 14,434 | 112 | 3.09 |  | 13,457 | 95 | 2.82 |  | 7 | 10 | 17 |

T $\begin{array}{llll}\text { o } & \mathrm{t} & \mathrm{a} & \mathrm{l}\end{array}$
interest-bearing

| liabilities | $\$$ | $\mathbf{8 9 , 7 7 2}$ | $\mathbf{2 7 2}$ | $\mathbf{1 . 2 0 \%}$ | $\mathbf{\$}$ | 85,328 | 182 | $0.85 \%$ | $\$$ | 7 | 83 | 90 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

D e mand
deposits $\quad \mathbf{3 2 , 3 3 3} 34,850$

| Other liabilities | $\mathbf{3 , 4 8 2}$ |  | 3,973 |
| :--- | ---: | ---: | ---: |
| Total liabilities | $\$$ | $\mathbf{1 2 5 , 5 8 7}$ | $\$$ |
| Total equity | $\$$ | $\mathbf{1 6 , 1 6 5}$ | 124,151 |
| Total liabilities |  |  | 16,841 |
| and equity | $\$$ | $\mathbf{1 4 1 , 7 5 2}$ | $\$$ |

Net interest


Net interest rate
spread (FTE) ${ }^{(c)}$
Interest-bearing liabilities to interest-earning assets
69.70 67.48
(a) Changes in interest not solely due to volume or yield/rate are allocated in proportion to the absolute dollar amount of change in volume and yield/rate.
(b) The FTE adjustments included in the above table were $\$ 4$ and $\$ 7$ for the three months ended September 30, 2018 and 2017, respectively.
(c) Net interest income (FTE), net interest margin (FTE) and net interest rate spread (FTE) are non-GAAP measures. For further information, refer to the Non-GAAP Financial Measures section of MD\&A.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

TABLE 7: Condensed Average Balance Sheets and Analysis of Net Interest Income on an FTE Basis
Attribution of Change in
For the nine
months ended
(\$ in millions)

September 30, 2018
Average
Average Revenue/ Yield/
Balance Cost Rate

September 30, 2017
Average
Average Revenue/ Yield/
Balance Cost Rate Volume Yield/Rate Total
Assets:
Interest-earning assets:
Loans and
leases: ${ }^{(b)}$
Commercial and

| 198 |  |  |  |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| industrial loans <br> Commercial <br> mortgage loans | $\mathbf{4 2 , 2 4 9}$ | $\mathbf{1 , 3 2 1}$ | $\mathbf{4 . 1 8 \%}$ | $\$$ | 41,619 | 1,123 | $3.61 \%$ | $\$$ | 17 | 181 |
| Commercial <br> construction | $\mathbf{6 , 5 9 1}$ | $\mathbf{2 1 7}$ | $\mathbf{4 . 4 0}$ | 6,873 | 189 | 3.68 | $(8)$ | 36 | 28 |  |
| loans | $\mathbf{4 , 7 6 2}$ | $\mathbf{1 7 5}$ | $\mathbf{4 . 9 0}$ | 4,277 | 128 | 4.01 | 17 | 30 | 47 |  |
| Commercial <br> leases | $\mathbf{3 , 8 5 0}$ | $\mathbf{8 1}$ | $\mathbf{2 . 8 2}$ | 4,008 | 81 | 2.71 | $(3)$ | 3 | - |  |

T |  | o | t | a | 1 |
| :--- | :--- | :--- | :--- | :--- | commercial

| loans and leases | $\mathbf{5 7 , 4 5 2}$ | $\mathbf{1 , 7 9 4}$ | $\mathbf{4 . 1 7}$ | 56,777 | 1,521 | 3.58 | 23 | 250 | 273 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| R e s id e ntial |  |  |  |  |  |  |  |  | 10 |
| mortgage loans | $\mathbf{1 6 , 1 7 6}$ | $\mathbf{4 3 3}$ | $\mathbf{3 . 5 8}$ | 16,011 | 423 | 3.53 | 4 | 6 | 10 |
| Home equity | $\mathbf{6 , 6 9 5}$ | $\mathbf{2 4 2}$ | $\mathbf{4 . 8 3}$ | 7,389 | 232 | 4.19 | $(23)$ | 33 | 10 |
| A u t o m o bile |  |  |  |  |  |  |  |  |  |
| loans | $\mathbf{9 , 0 0 0}$ | $\mathbf{2 2 1}$ | $\mathbf{3 . 2 9}$ | 9,486 | 204 | 2.88 | $(11)$ | 28 | 17 |
| Credit card | $\mathbf{2 , 2 4 8}$ | $\mathbf{2 0 5}$ | $\mathbf{1 2 . 1 6}$ | 2,121 | 188 | 11.84 | 12 | 5 | 17 |

Other consumer

| loans | 92 | 91 | .79 |  | 02 |  | 6.70 |  |  |  | 6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total consumer loans | 35,911 | 1,192 | 4.44 |  | 35,909 | 1,092 | 4.06 |  | 27 | 73 | 100 |
| Total loans and leases | 93,363 | 2,986 | 4.28\% | \$ | 92,686 | 2,613 | 3.77\% | \$ | 50 | 323 | 373 |
| Securities: |  |  |  |  |  |  |  |  |  |  |  |
| Taxable | 33,272 | 797 | 3.20 |  | 32,067 | 738 | 3.08 |  | 28 | 31 | 59 |
| Exempt from income taxes ${ }^{(b)}$ | 75 | 2 | 3.28 |  | 63 | 2 | 5.38 |  | 1 | (1) |  |
| Other short-term investments | 1,466 | 17 | 1.58 |  | 1,367 | 10 | 0.97 |  | - | 7 | 7 |

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T $\begin{array}{llll}\mathrm{o} & \mathrm{t} & \mathrm{a} & \mathrm{l}\end{array}$ interest-earning


Equity:
Interest-bearing
liabilities:

| Interest checking deposits | 28,938 | 165 | 0.76\% | \$ | 26,176 | 73 | 0.38\% | \$ | 9 | 83 | 92 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Savings deposits | 13,463 | 9 | 0.09 |  | 14,081 | 6 | 0.06 |  | (1) | 4 | 3 |
| Money market deposits | 21,517 | 110 | 0.68 |  | 20,301 | 53 | 0.35 |  | 3 | 54 | 57 |
| Foreign office deposits | 393 | 1 | 0.28 |  | 409 | 1 | 0.17 |  | - | - | - |
| Other time deposits | 4,018 | 41 | 1.36 |  | 3,764 | 35 | 1.23 |  | 2 | 4 | 6 |
| $\begin{array}{lllll}\mathrm{T} & \mathrm{o} & \mathrm{t} & \mathrm{a} & \mathrm{l}\end{array}$ interest-bearing core deposits | 68,329 | 326 | 0.64 |  | 64,731 | 168 | 0.35 |  | 13 | 145 | 158 |
| Certificates $\$ 100,000$ and over | 2,346 | 28 | 1.58 |  | 2,609 | 27 | 1.36 |  | (3) | 4 | 1 |
| Other deposits | 385 | 5 | 1.76 |  | 330 | 2 | 1.03 |  | 1 | 2 | 3 |
| Federal funds purchased | 1,258 | 17 | 1.80 |  | 542 | 4 | 0.94 |  | 8 | 5 | 13 |
| Other short-term borrowings | 1,959 | 25 | 1.70 |  | 3,441 | 24 | 0.92 |  | (13) | 14 | 1 |
| Long-term debt | 14,598 | 330 | 3.02 |  | 13,528 | 277 | 2.75 |  | 24 | 29 | 53 |

T ofllll
interest-bearing

| liabilities | $\$$ | $\mathbf{8 8 , 8 7 5}$ | $\mathbf{7 3 1}$ | $\mathbf{1 . 1 0 \%}$ | $\$$ | 85,181 | 502 | $0.79 \%$ | $\$$ | 30 | 199 | 229 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

D e mand
deposits 32,992 34,949
Other liabilities 3,541 3,717

Total liabilities \$ $\mathbf{~ 1 2 5 , 4 0 8} \quad \$ \quad 123,847$
Total equity \$ 16,208 \$ 16,648
Total liabilities
and equity $\quad \mathbf{1 4 1 , 6 1 6}$
\$ 140,495
Net interest

| income (FTE) ${ }^{(c)}$ | $\$ \mathbf{3 , 0 7 1}$ | $\$ 2,861$ | $\$$ | 49 | 161 | 210 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

Net interest
margin (FTE) ${ }^{(c)}$
$\mathbf{3 . 2 0 \%} 3.03 \%$
Net interest rate
spread (FTE) ${ }^{(c)}$
$2.87 \quad 2.77$

Interest-bearing liabilities to
interest-earning assets
69.34
67.51
(a) Changes in interest not solely due to volume or yield/rate are allocated in proportion to the absolute dollar amount of change in volume and yield/rate.
(b) The FTE adjustments included in the above table were $\$ 12$ and $\$ 19$ for the nine months ended September 30, 2018 and 2017, respectively.
(c) Net interest income (FTE), net interest margin (FTE) and net interest rate spread (FTE) are non-GAAP measures. For further information, refer to the Non-GAAP Financial Measures section of MD\&A.
Provision for Loan and Lease Losses
The Bancorp provides as an expense an amount for probable loan and lease losses within the loan and lease portfolio that is based on factors previously discussed in the Critical Accounting Policies section of the Bancorp s Annual Report on Form 10-K for the year ended December 31, 2017. The provision is recorded to bring the ALLL to a level deemed appropriate by the Bancorp to cover losses inherent in the portfolio. Actual credit losses on loans and leases are charged against the ALLL. The amount of loans and leases actually removed from the Condensed Consolidated Balance Sheets is referred to as a charge-off. Net charge-offs include current period charge-offs less recoveries on previously charged-off loans and leases.

The provision for loan and lease losses was $\$ 86$ million and $\$ 142$ million for the three and nine months ended September 30, 2018, respectively, compared to $\$ 67$ million and $\$ 193$ million during the same periods in the prior year. The increase in provision expense for the three months ended September 30, 2018 was primarily due to an increase in outstanding commercial loan balances and an increase in consumer reserve rates for certain products. The decrease in provision expense for the nine months ended September 30, 2018 was primarily due to a decrease in the level of commercial criticized assets combined with overall improved credit quality.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

The ALLL decreased $\$ 105$ million from December 31, 2017 to $\$ 1.1$ billion at September 30, 2018. At September 30, 2018, the ALLL as a percent of portfolio loans and leases decreased to $1.17 \%$ compared to $1.30 \%$ at December 31, 2017.

Refer to the Credit Risk Management subsection of the Risk Management section of MD\&A as well as Note 6 of the Notes to Condensed Consolidated Financial Statements for more detailed information on the provision for loan and lease losses, including an analysis of loan and lease portfolio composition, nonperforming assets, net charge-offs and other factors considered by the Bancorp in assessing the credit quality of the loan and lease portfolio and the ALLL.

## Noninterest Income

Noninterest income decreased $\$ 998$ million and $\$ 433$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year.

The following table presents the components of noninterest income:

TABLE 8: Components of Noninterest
Income

|  | For the three months ended September 30, |  |  |  | For the nine months ended September 30, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (\$ in millions) |  | 2018 | 2017 | \% Chang |  | 2018 | 2017 | \% Change |
| Service charges on deposits | \$ | 139 | 138 | 1 | \$ | 414 | 415 |  |
| Wealth and asset management revenue |  | 114 | 102 | 12 |  | 335 | 313 | 7 |
| Corporate banking revenue |  | 100 | 101 | (1) |  | 308 | 276 | 12 |
| Card and processing revenue |  | 82 | 79 | 4 |  | 245 | 232 | 6 |
| Mortgage banking net revenue |  | 49 | 63 | (22) |  | 158 | 170 | (7) |
| Other noninterest income |  | 86 | 1,076 | (92) |  | 794 | 1,237 | (36) |
| Securities (losses) gains, net |  | (6) |  | NM |  | (21) | 1 | NM |
| Securities (losses) gains, net non-qualifying hedges on MSRs |  | (1) | 2 | NM |  | (18) | 4 | NM |
| Total noninterest income | \$ | 563 | 1,561 | (64) | \$ | 2,215 | 2,648 | (16) |

Wealth and asset management revenue
Wealth and asset management revenue increased $\$ 12$ million and $\$ 22$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year. The increase for both the three and nine months ended September 30, 2018 compared to the same periods in the prior year was primarily due to increases of $\$ 6$ million and $\$ 13$ million, respectively, in private client service fees and increases of $\$ 4$ million and $\$ 7$ million, respectively, in brokerage fees. These increases were driven by an increase in assets under management as a result of strong market performance and increased asset production. The Bancorp s trust and registered investment advisory businesses had approximately $\$ 376$ billion and $\$ 348$ billion in total assets under care at September 30, 2018 and 2017,
respectively, and managed $\$ 38$ billion and $\$ 36$ billion in assets for individuals, corporations and not-for-profit organizations at September 30, 2018 and 2017, respectively.

## Corporate banking revenue

Corporate banking revenue decreased $\$ 1$ million for the three months ended September 30, 2018 and increased $\$ 32$ million for the nine months ended September 30, 2018 compared to the same periods in the prior year. The decrease for the three months ended September 30, 2018 compared to the same period in the prior year was primarily driven by decreases in institutional sales and letter of credit fees of $\$ 4$ million and $\$ 1$ million, respectively. These decreases were partially offset by an increase in foreign exchange fees of $\$ 4$ million. The increase for the nine months ended September 30, 2018 compared to the same period in the prior year was primarily driven by increases in lease remarketing fees, foreign exchange fees and contract revenue from commercial customer derivatives of $\$ 26$ million, $\$ 9$ million and $\$ 8$ million, respectively. The increase in lease remarketing fees for the nine months ended September 30, 2018 included the impact of a $\$ 31$ million impairment charge related to certain operating lease assets that was recognized during the first quarter of 2017. These benefits were partially offset by decreases of $\$ 6$ million in both business lending fees and letter of credit fees.

## Card and processing revenue

Card and processing revenue increased $\$ 3$ million and $\$ 13$ million for the three and nine months ended September 30, 2018 compared to the same periods in the prior year. The increases for both the three and nine months ended September 30, 2018 compared to the same periods in the prior year were primarily driven by increases in the number of actively used cards and customer spend volume.

## Mortgage banking net revenue

Mortgage banking net revenue decreased $\$ 14$ million and $\$ 12$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

The following table presents the components of mortgage banking net revenue:

## TABLE 9: Components of Mortgage Banking Net Revenue

| (\$ in millions) | September 30, |  |  | September 30, |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Origination fees and gains on loan sales | \$ | 25 | 40 | 77 | 106 |
| Net mortgage servicing revenue: |  |  |  |  |  |
| Gross mortgage servicing fees |  | 56 | 56 | 162 | 152 |
| Net valuation adjustments on MSRs and free-standing derivatives purchased to economically hedge MSRs |  | (32) | (33) | (81) | (88) |
| Net mortgage servicing revenue |  | 24 | 23 | 81 | 64 |
| Total mortgage banking net revenue | \$ | 49 | 63 | 158 | 170 |

Origination fees and gains on loan sales decreased $\$ 15$ million and $\$ 29$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year driven by a decrease in originations and lower margins due to the interest rate environment. Residential mortgage loan originations decreased to $\$ 1.9$ billion and $\$ 5.5$ billion during the three and nine months ended September 30, 2018, respectively, compared to $\$ 2.1$ billion and $\$ 6.3$ billion during the same periods in the prior year.

Net mortgage servicing revenue increased $\$ 1$ million and $\$ 17$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year. The increases for the three and nine months ended September 30, 2018 compared to the same periods in the prior year included decreases in net negative valuation adjustments of $\$ 1$ million and $\$ 7$ million, respectively. The increase for the nine months ended September 30, 2018 also included an increase in gross mortgage servicing fees of $\$ 10$ million. Refer to Table 10 for the components of net valuation adjustments on the MSR portfolio and the impact of the non-qualifying hedging strategy:

TABLE 10: Components of Net Valuation Adjustments on MSRs


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Mortgage rates increased during both the three and nine months ended September 30, 2018 which caused modeled prepayment speeds to slow. The fair value of the MSR increased $\$ 25$ million and $\$ 103$ million, respectively, due to changes to inputs to the valuation model including prepayment speeds and OAS spread assumptions and decreased $\$ 33$ million and $\$ 95$ million, respectively, due to the passage of time, including the impact of regularly scheduled repayments, paydowns and payoffs for the three and nine months ended September 30, 2018.

Mortgage rates decreased during both the three and nine months ended September 30, 2017 which caused modeled prepayments speeds to increase, which led to fair value adjustments on servicing rights. The fair value of the MSR decreased $\$ 2$ million and $\$ 15$ million, respectively, due to changes to inputs to the valuation model including prepayment speeds and OAS spread assumptions and decreased $\$ 32$ million and $\$ 89$ million, respectively, due to the passage of time, including the impact of regularly scheduled repayments, paydowns and payoffs for the three and nine months ended September 30, 2017.

Further detail on the valuation of MSRs can be found in Note 11 of the Notes to Condensed Consolidated Financial Statements. The Bancorp maintains a non-qualifying hedging strategy to manage a portion of the risk associated with changes in the valuation of the MSR portfolio. Refer to Note 12 of the Notes to Condensed Consolidated Financial Statements for more information on the free-standing derivatives used to economically hedge the MSR portfolio.

In addition to the derivative positions used to economically hedge the MSR portfolio, the Bancorp acquires various securities as a component of its non-qualifying hedging strategy. The Bancorp recognized net losses of $\$ 1$ million and $\$ 18$ million during the three and nine months ended September 30, 2018, respectively, and net gains of $\$ 2$ million and $\$ 4$ million during the three and nine months ended September 30, 2017, respectively, recorded in securities (losses) gains, net - non-qualifying hedges on MSRs in the Bancorp s Condensed Consolidated Statements of Income.

The Bancorp s total residential mortgage loans serviced at September 30, 2018 and 2017 were $\$ 80.1$ billion and $\$ 77.1$ billion, respectively, with $\$ 64.0$ billion and $\$ 60.8$ billion, respectively, of residential mortgage loans serviced for others.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

## Other noninterest income

The following table presents the components of other noninterest income:

TABLE 11: Components of Other Noninterest Income
For the three months ende\#or the nine months ended
September 30, September 30,

| (\$ in millions) | 2018 | 2017 | 2018 | 2017 |
| :---: | :---: | :---: | :---: | :---: |
| Gain related to Vantiv, Inc. s acquisition of Worldpay Group plc. \$ | \$ | - | 414 | - |
| Gain on sale of Worldpay, Inc. shares | - | 1,037 | 205 | 1,037 |
| Operating lease income | 20 | 23 | 65 | 73 |
| Private equity investment income | 26 | 2 | 61 | 29 |
| BOLI income | 15 | 13 | 41 | 38 |
| Cardholder fees | 14 | 14 | 41 | 41 |
| Consumer loan and lease fees | 6 | 6 | 17 | 17 |
| Insurance income | 5 | 2 | 16 | 5 |
| Banking center income | 5 | 5 | 16 | 15 |
| Net gains (losses) on loan sales | 3 | - | 2 | (2) |
| Equity method income from interest in Worldpay Holding, LLC | 2 | 13 | 1 | 37 |
| Loss on swap associated with the sale of Visa, Inc. Class B Shares | (17) | (47) | (66) | (69) |
| Net (losses) gains on disposition and impairment of bank premises and equipment | 4 | (1) | (37) | (3) |
| Other, net | 3 | 9 | 18 | 19 |
| Total other noninterest income \$ | \$ 86 | 1,076 | 794 | 1,237 |

Other noninterest income decreased $\$ 990$ million during the three months ended September 30, 2018 compared to the same period in the prior year primarily due to the gain on sale of Worldpay, Inc. shares recognized during the third quarter of 2017 and a reduction in equity method income from the Bancorp s interest in Worldpay Holding, LLC. These reductions were partially offset by a decrease in the loss on the swap associated with the sale of Visa, Inc.
Class B Shares and an increase in private equity investment income.

The Bancorp recognized a $\$ 1.0$ billion gain on the sale of Worldpay, Inc. shares during the three months ended September 30, 2017. Equity method income from the Bancorp s interest in Worldpay Holding, LLC decreased $\$ 11$ million for the three months ended September 30, 2018 compared to the same period in the prior year primarily due to a decrease in the Bancorp s ownership percentage in Worldpay Holding, LLC from approximately $8.6 \%$ as of September 30, 2017 to approximately $3.3 \%$ as of September 30, 2018 and the impact of a reduction in Worldpay Holding, LLC net income for the three months ended September 30, 2018 compared to the same period in the prior year. During the three months ended September 30, 2018, the Bancorp recognized negative valuation adjustments of $\$ 17$ million related to the Visa total return swap compared to negative valuation adjustments of $\$ 47$ million during the three months ended September 30, 2017. The decrease from the prior period was attributable to litigation
developments during the third quarter of 2017. For additional information on the valuation of the swap associated with the sale of Visa, Inc. Class B Shares, refer to Note 16, Note 17 and Note 22 of the Notes to Condensed Consolidated Financial Statements. Private equity investment income increased $\$ 24$ million for the three months ended September 30, 2018 compared to the same period in the prior year primarily due to valuation adjustments on certain private equity investments.

Other noninterest income decreased $\$ 443$ million during the nine months ended September 30, 2018 compared to the same period in the prior year primarily due to the gain on sale of Worldpay, Inc. shares recognized during the third quarter of 2017, a reduction in equity method income from the Bancorp s interest in Worldpay Holding, LLC and an increase in the net losses on disposition and impairment of bank premises and equipment. These reductions were partially offset by the gain related to Vantiv, Inc. s acquisition of Worldpay Group plc., the gain on sale of Worldpay, Inc. shares recognized during the second quarter of 2018 and increases in private equity investment income and in insurance income.

The Bancorp recognized a $\$ 205$ million gain on the sale of Worldpay, Inc. shares during the nine months ended September 30, 2018 compared to a $\$ 1.0$ billion gain on the sale of Worldpay, Inc. shares during the nine months ended September 30, 2017. The Bancorp also recognized a $\$ 414$ million gain related to Vantiv, Inc. s acquisition of Worldpay Group plc. during the nine months ended September 30, 2018. For more information, refer to Note 18 of the Notes to Condensed Consolidated Financial Statements. Equity method income from the Bancorp s interest in Worldpay Holding, LLC decreased $\$ 36$ million for the nine months ended September 30, 2018 compared to the same period in the prior year primarily due to the decrease in the Bancorp s ownership percentage in Worldpay Holding, LLC and the impact of Worldpay, Inc. s acquisition and integration costs on its earnings. Net losses on disposition and impairment of bank premises and equipment for the nine months ended September 30, 2018 included the impact of branch impairment charges of $\$ 33$ million. For more information, refer to Note 7 of the Notes to Condensed Consolidated Financial Statements. Private equity investment income increased $\$ 32$ million for the nine months ended September 30, 2018 compared to the same period in the prior year primarily due to valuation adjustments on certain private equity investments. Insurance income increased $\$ 11$ million for the nine months ended September 30, 2018 compared to the nine months ended September 30, 2017 as a result of acquisitions in 2017.

## Noninterest Expense

Noninterest expense increased $\$ 33$ million for the three months ended September 30, 2018 compared to the same period in the prior year primarily due to increases in personnel costs (salaries, wages and incentives plus employee benefits), technology and communications expense and other noninterest expense. Noninterest expense increased $\$ 172$ million for the nine months ended September 30, 2018 compared to the same period in the prior year primarily due to increases in personnel costs, technology and communications expense and other noninterest expense.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

The following table presents the components of noninterest expense:

## TABLE 12: Components of Noninterest Expense


(a) This is a non-GAAP measure. For further information, refer to the Non-GAAP Financial Measures section of $M D \& A$.
Personnel costs increased $\$ 19$ million and $\$ 120$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year driven by an increase in base compensation, variable compensation, long-term incentive compensation and severance costs. The increase in base compensation was primarily due to personnel additions in information technology as well as an increase in the Bancorp s minimum wage as a result of benefits received from the TCJA. Full-time equivalent employees totaled 17,512 at September 30, 2018 compared to 17,797 at September 30, 2017.

Technology and communications expense increased $\$ 9$ million and $\$ 29$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year driven primarily by increased investment in regulatory, compliance and growth initiatives.

The following table presents the components of other noninterest expense:

## TABLE 13: Components of Other Noninterest Expense

|  | For thee months endedr the nine months ended |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: |
| (\$ in millions) | September 30, |  |  | September 30, |  |
| Impairment on affordable housing investments | $\mathbf{2 0 1 8}$ | 2017 | $\mathbf{2 0 1 8}$ | 2017 |  |
| Marketing | $\mathbf{3 9}$ | 41 | $\mathbf{1 3 4}$ | 119 |  |
| FDIC insurance and other taxes | $\mathbf{4 3}$ | 37 | $\mathbf{1 0 5}$ | 86 |  |
| Loan and lease | $\mathbf{3 3}$ | 33 | $\mathbf{9 9}$ | 98 |  |


| Operating lease |  | 19 | 20 | 59 | 67 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Losses and adjustments |  | 18 | 20 | 51 | 46 |
| Professional service fees |  | 15 | 17 | 45 | 61 |
| Data processing |  | 14 | 14 | 42 | 43 |
| Travel |  | 13 | 12 | 39 | 35 |
| Postal and courier |  | 8 | 10 | 26 | 33 |
| Recruitment and education |  | 8 | 9 | 24 | 26 |
| Donations |  | 3 | 4 | 19 | 10 |
| Supplies |  | 3 | 3 | 10 | 10 |
| Insurance |  | 4 | 3 | 10 | 9 |
| Benefit from the reserve for unfunded commitments |  | (2) | (5) | (32) | (4) |
| Other, net |  | 55 | 49 | 158 | 137 |
| Total other noninterest expense | \$ | 302 | 293 | 873 | 848 |

Other noninterest expense increased $\$ 9$ million for the three months ended September 30, 2018 compared to the same period in the prior year primarily due to an increase in marketing expense. Marketing expense increased $\$ 6$ million for the three months ended September 30, 2018 compared to the same period in the prior year primarily due to an increase in advertising volume related to the brand campaign and promotional offers during the three months ended September 30, 2018. Other noninterest expense for the three months ended September 30, 2018 included a $\$ 2$ million decrease in impairment on affordable housing investments as compared to the prior year period primarily due to a decrease in the number of investments, partially offset by the impact of the change in the federal statutory corporate tax rate pursuant to the TCJA.

Other noninterest expense increased $\$ 25$ million for the nine months ended September 30, 2018 compared to the same period in the prior year primarily due to increases in marketing expense, the impairment on affordable housing investments, loan and lease expense and donations expense, partially offset by an increase in the benefit for the reserve for unfunded commitments and a decrease in professional service fees. Marketing expense increased $\$ 19$ million for the nine months ended September 30, 2018 compared to the same period in the prior year primarily due to promotional offers during the nine months ended September 30, 2018. Impairment on affordable housing investments increased $\$ 15$ million for the nine months ended September 30, 2018 compared to the same period in the prior year primarily driven by the change in the federal statutory corporate tax rate pursuant to the TCJA. Loan and lease expense increased $\$ 12$ million for the nine months ended September 30, 2018 compared to the same period in the prior year driven by an increase in loan servicing expenses on point-of-sale loans as a result of growth in point-of-sale originations.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

Donations expense increased $\$ 9$ million for the nine months ended September 30, 2018 compared to the same period in the prior year primarily due to a contribution to the Fifth Third Foundation. The benefit from the reserve for unfunded commitments was $\$ 32$ million for the nine months ended September 30, 2018 compared to a benefit from the reserve for unfunded commitments of $\$ 4$ million for the same period in the prior year as a result of overall improved credit quality. Professional service fees decreased $\$ 16$ million for the nine months ended September 30, 2018 compared to the same period in the prior year primarily due to decreases in legal fees and consulting fees.

## Applicable Income Taxes

The following table presents the Bancorp s income before income taxes, applicable income tax expense and effective tax rate:

## TABLE 14: Applicable Income Taxes

|  | For the three months ended |  | For the nine months ended |  |
| :--- | :---: | :---: | :---: | :---: |
|  | September 30, |  | September 30, |  |
| (\$ in millions) | $\mathbf{2 0 1 8}$ | 2017 | $\mathbf{2 0 1 8}$ | 2017 |
| Income before income taxes | $\mathbf{5 1 2}$ | 1,489 | $\mathbf{2 , 0 4 2}$ | 2,379 |
| Applicable income tax expense | $\mathbf{7 9}$ | 475 | $\mathbf{3 2 1}$ | 694 |
| Effective tax rate | $\mathbf{1 5 . 6 \%}$ | 31.9 | $\mathbf{1 5 . 7}$ | 29.2 |

Applicable income tax expense for all periods includes the benefit from tax-exempt income, tax-advantaged investments, and tax credits, partially offset by the effect of certain nondeductible expenses. The tax credits are associated with the Low-Income Housing Tax Credit program established under Section 42 of the IRC, the New Markets Tax Credit program established under Section 45D of the IRC, the Rehabilitation Investment Tax Credit program established under Section 47 of the IRC, and the Qualified Zone Academy Bond program established under Section 1397E of the IRC.

The decreases in the effective tax rates for the three and nine months ended September 30, 2018 compared to the same periods in the prior year were primarily related to the reduction in the federal statutory corporate tax rate partially offset by changes to previously deductible items associated with the enactment of the TCJA.

For stock-based awards, U.S. GAAP requires that the tax consequences for the difference between the expense recognized for financial reporting and the Bancorp s actual tax deduction for the stock-based awards be recognized through income tax expense in the interim periods in which they occur. The Bancorp cannot predict its stock price or whether and when its employees will exercise stock-based awards in the future. Based on its stock price at September 30, 2018, the Bancorp estimates that it may be necessary to recognize $\$ 12$ million of additional income tax benefit over the next twelve months related to the settlement of stock-based awards primarily in the first half of 2019. However, the amount of income tax expense or benefit recognized upon settlement may vary significantly from expectations based on the Bancorp s stock price and the number of SARs exercised by employees.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

## BALANCE SHEET ANALYSIS

## Loans and Leases

The Bancorp classifies its commercial loans and leases based upon primary purpose and consumer loans based upon product or collateral. Table 15 summarizes end of period loans and leases, including loans and leases held for sale and Table 16 summarizes average total loans and leases, including loans and leases held for sale.

TABLE 15: Components of Total Loans and Leases (including loans and leases held for sale)

$$
\text { September 30, } 2018 \quad \text { December 31, } 2017
$$

| As of (\$ in millions) | Carrying Value \% of Total |  |  | Carrying Valu $E_{0}$ of Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Commercial loans and leases: |  |  |  |  |  |  |
| Commercial and industrial loans | \$ | 42,725 | 46 | \$ | 41,170 | 45 |
| Commercial mortgage loans |  | 6,701 | 7 |  | 6,610 | 7 |
| Commercial construction loans |  | 4,892 | 5 |  | 4,553 | 5 |
| Commercial leases |  | 3,697 | 4 |  | 4,068 | 4 |
| Total commercial loans and leases |  | 58,015 | 62 |  | 56,401 | 61 |
| Consumer loans: |  |  |  |  |  |  |
| Residential mortgage loans |  | 16,148 | 17 |  | 16,077 | 17 |
| Home equity |  | 6,485 | 7 |  | 7,014 | 8 |
| Automobile loans |  | 9,002 | 10 |  | 9,112 | 10 |
| Credit card |  | 2,325 | 2 |  | 2,299 | 2 |
| Other consumer loans |  | 2,131 | 2 |  | 1,559 | 2 |
| Total consumer loans |  | 36,091 | 38 |  | 36,061 | 39 |
| Total loans and leases | \$ | 94,106 | 100 | \$ | 92,462 | 100 |
| Total portfolio loans and leases (excluding loans and leases held for sale) | \$ | 93,443 |  | \$ | 91,970 |  |

Loans and leases, including loans and leases held for sale, increased $\$ 1.6$ billion from December 31, 2017. The increase from December 31, 2017 was the result of a $\$ 1.6$ billion increase in commercial loans and leases as well as a $\$ 30$ million increase in consumer loans.

Commercial loans and leases increased from December 31, 2017 due to increases in commercial and industrial loans, commercial construction loans and commercial mortgage loans, partially offset by a decrease in commercial leases. Commercial and industrial loans increased $\$ 1.6$ billion, or $4 \%$, from December 31, 2017 primarily as a result of an increase in new loan originations as well as a decrease in payoffs during the nine months ended September 30, 2018. Commercial construction loans increased $\$ 339$ million, or 7\%, from December 31, 2017 primarily due to increases in draw levels on existing commitments as a result of seasonal trends. Commercial mortgage loans increased $\$ 91$ million, or $1 \%$, from December 31, 2017 primarily due to an increase in new loan originations and continued success in permanent financing from the Bancorp s commercial construction loan portfolio. Commercial leases decreased $\$ 371$ million, or $9 \%$, from December 31, 2017 primarily as a result of a planned reduction in indirect
non-relationship based lease originations.
Consumer loans increased from December 31, 2017 due to increases in other consumer loans, credit card and residential mortgage loans, partially offset by decreases in home equity and automobile loans. Other consumer loans increased $\$ 572$ million, or $37 \%$, from December 31, 2017 primarily due to growth in point-of-sale loan originations. Residential mortgage loans increased $\$ 71$ million from December 31,2017 primarily due to the continued retention of certain agency conforming ARMs and certain other fixed-rate loans originated during the nine months ended September 30, 2018. Credit card increased $\$ 26$ million, or $1 \%$, from December 31, 2017 primarily due to an increase in balance active customers. Home equity decreased $\$ 529$ million, or $8 \%$, from December 31, 2017 as payoffs exceeded new loan production. Automobile loans decreased $\$ 110$ million, or $1 \%$, from December 31, 2017 as payoffs exceeded new loan production due to a strategic shift focusing on improving risk-adjusted returns.

TABLE 16: Components of Average Loans and Leases (including loans and leases held for sale)
September 30, $2018 \quad$ September 30, 2017

| For the three months ended (\$ in millions) | Carrying Value \% of Total |  |  | Carrying Value\% of Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Commercial loans and leases: |  |  |  |  |  |  |
| Commercial and industrial loans | \$ | 42,614 | 46 | \$ | 41,314 | 45 |
| Commercial mortgage loans |  | 6,664 | 7 |  | 6,814 | 7 |
| Commercial construction loans |  | 4,870 | 5 |  | 4,533 | 5 |
| Commercial leases |  | 3,746 | 4 |  | 4,079 | 4 |
| Total commercial loans and leases |  | 57,894 | 62 |  | 56,740 | 61 |
| Consumer loans: |  |  |  |  |  |  |
| Residential mortgage loans |  | 16,226 | 17 |  | 16,206 | 18 |
| Home equity |  | 6,529 | 7 |  | 7,207 | 8 |
| Automobile loans |  | 8,969 | 10 |  | 9,267 | 10 |
| Credit card |  | 2,299 | 2 |  | 2,140 | 2 |
| Other consumer loans |  | 2,060 | 2 |  | 1,057 | 1 |
| Total consumer loans |  | 36,083 | 38 |  | 35,877 | 39 |
| Total average loans and leases | \$ | 93,977 | 100 | \$ | 92,617 | 100 |
| Total average portfolio loans and leases (excluding loans and leases held for sale) | \$ | 93,192 |  | \$ | 91,906 |  |

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Average loans and leases, including loans and leases held for sale, increased $\$ 1.4$ billion from September 30, 2017. The increase from September 30, 2017 was the result of a $\$ 1.2$ billion, or $2 \%$, increase in average commercial loans and leases as well as a $\$ 206$ million, or $1 \%$, increase in average consumer loans.

Average commercial loans and leases increased from September 30, 2017 due to increases in average commercial and industrial and average commercial construction loans, partially offset by decreases in average commercial mortgage loans and average commercial leases. Average commercial and industrial loans increased $\$ 1.3$ billion, or $3 \%$, from September 30, 2017 primarily as a result of an increase in new loan originations as well as a decrease in payoffs. Average commercial construction loans increased $\$ 337$ million, or $7 \%$, from September 30, 2017 primarily due to increases in draw levels on existing commitments. Average commercial leases decreased $\$ 333$ million, or $8 \%$, from September 30, 2017 primarily as a result of a planned reduction in indirect non-relationship based lease originations. Average commercial mortgage loans decreased $\$ 150$ million, or $2 \%$, from September 30, 2017 primarily due to an increase in paydowns and lower new loan origination activity in the fourth quarter of 2017 and the first quarter of 2018 driven by increased competition.

Average consumer loans increased from September 30, 2017 due to increases in average other consumer loans, credit card and residential mortgage loans, partially offset by decreases in average home equity and automobile loans. Average other consumer loans increased $\$ 1.0$ billion, or $95 \%$, from September 30, 2017 primarily due to growth in point-of-sale loan originations. Average credit card increased $\$ 159$ million, or $7 \%$, from September 30, 2017 primarily due to both an increase in balance active customers and an increase in card usage resulting in an increase in the average balance per active customer. Average residential mortgage loans increased $\$ 20$ million from September 30, 2017 primarily driven by the continued retention of certain agency conforming ARMs and certain other fixed-rate loans. Average home equity decreased $\$ 678$ million, or $9 \%$, from September 30, 2017 as payoffs exceeded new loan production. Average automobile loans decreased $\$ 298$ million, or 3\%, from September 30, 2017 as payoffs exceeded new loan production due to a strategic shift focusing on improving risk-adjusted returns.

## Investment Securities

The Bancorp uses investment securities as a means of managing interest rate risk, providing both collateral for pledging purposes and liquidity for satisfying regulatory requirements. Total investment securities were $\$ 32.6$ billion and $\$ 32.7$ billion at September 30, 2018 and December 31, 2017, respectively. The taxable investment securities portfolio had an effective duration of 5.2 years at September 30, 2018 compared to 4.7 years at December 31, 2017.

Debt securities are classified as available-for-sale when, in management s judgment, they may be sold in response to, or in anticipation of, changes in market conditions. Securities that management has the intent and ability to hold to maturity are classified as held-to-maturity and reported at amortized cost. Debt securities are classified as trading when bought and held principally for the purpose of selling them in the near term. At September 30, 2018, the Bancorp s investment portfolio consisted primarily of AAA-rated available-for-sale and other debt securities. The Bancorp held an immaterial amount in below investment grade available-for-sale and other debt securities at both September 30, 2018 and December 31, 2017. For both the three and nine months ended September 30, 2018 the Bancorp did not recognize OTTI on any of its available-for-sale debt and other securities. For the three and nine months ended September 30, 2017 the Bancorp recognized $\$ 4$ million and $\$ 28$ million, respectively, of OTTI on its

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available-for-sale debt and other securities, included in securities (losses) gains, net, in the Condensed Consolidated Statements of Income.

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The following table summarizes the end of period components of investment securities:

## TABLE 17: Components of Investment Securities

| As of (\$ in millions) | $\begin{gathered} \text { September 30, } \\ 2018 \end{gathered}$ |  | $\begin{gathered} \text { December 31, } \\ 2017 \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| Available-for-sale debt and other securities (amortized cost basis): |  |  |  |
| U.S. Treasury and federal agencies securities | \$ | 98 | 98 |
| Obligations of states and political subdivisions securities |  | 2 | 43 |
| Mortgage-backed securities: |  |  |  |
| Agency residential mortgage-backed securities ${ }^{(a)}$ |  | 16,447 | 15,281 |
| Agency commercial mortgage-backed securities |  | 10,405 | 10,113 |
| Non-agency commercial mortgage-backed securities |  | 3,169 | 3,247 |
| Asset-backed securities and other debt securities |  | 2,035 | 2,183 |
| Other securities ${ }^{(b)}$ |  | 551 | 612 |
| Total available-for-sale debt and other securities | \$ | 32,707 | 31,577 |
| Held-to-maturity securities (amortized cost basis): |  |  |  |
| Obligations of states and political subdivisions securities | \$ | 16 | 22 |
| Asset-backed securities and other debt securities |  | 2 | 2 |
| Total held-to-maturity securities | \$ | 18 | 24 |
| Trading debt securities (fair value): |  |  |  |
| U.S. Treasury and federal agencies securities | \$ | 20 | 12 |
| Obligations of states and political subdivisions securities |  | 69 | 22 |
| Agency residential mortgage-backed securities |  | 63 | 395 |
| Asset-backed securities and other debt securities |  | 117 | 63 |
| Total trading debt securities | \$ | 269 | 492 |
| Total equity securities | \$ | 500 | 439 |

(a) Includes interest-only mortgage-backed securities of $\$ 34$ as of December 31, 2017 recorded at fair value with fair value changes recorded in securities (losses) gains, net in the Condensed Consolidated Statements of Income.
(b) Other securities consist of FHLB, FRB and DTCC restricted stock holdings of $\$ 184, \$ 365$ and $\$ 2$, respectively, at September 30, 2018 and $\$ 248, \$ 362$, and $\$ 2$, respectively, at December 31, 2017, that are carried at cost.
On an amortized cost basis, available-for-sale debt and other securities increased $\$ 1.1$ billion from December 31, 2017 primarily due to increases in agency residential mortgage-backed securities and agency commercial mortgage-backed securities, partially offset by a decrease in asset-backed securities and other debt securities.

On an amortized cost basis, available-for-sale debt and other securities were $25 \%$ of total interest-earning assets at both September 30, 2018 and December 31, 2017. The estimated weighted-average life of the debt securities in the available-for-sale debt and other securities portfolio was 6.8 years at September 30, 2018 compared to 6.5 years at December 31, 2017. In addition, at September 30, 2018, the debt securities in the available-for-sale debt and other securities portfolio had a weighted-average yield of $3.21 \%$, compared to $3.18 \%$ at December 31, 2017 .

Trading debt securities decreased $\$ 223$ million from December 31, 2017 primarily due to a decrease in agency residential mortgage-backed securities.

Information presented in Table 18 is on a weighted-average life basis, anticipating future prepayments. Yield information is presented on an FTE basis and is computed using amortized cost balances. Maturity and yield calculations for the total available-for-sale debt and other securities portfolio exclude other securities that have no stated yield or maturity. Total net unrealized losses on the available-for-sale debt and other securities portfolio were $\$ 899$ million at September 30, 2018 compared to net unrealized gains of $\$ 174$ million at December 31, 2017. The fair value of investment securities is impacted by interest rates, credit spreads, market volatility and liquidity conditions. The fair value of investment securities generally decreases when interest rates increase or when credit spreads expand.

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TABLE 18: Characteristics of Available-for-Sale Debt and Other Securities
Weighted-AverageWeighted-Average
As of September 30, 2018 (\$ in millions) Amortized Cost Fair Value Life (in years) Yield U.S. Treasury and federal agencies securities:

| Average life of 1 year or less | $\$$ | - | - | 0.2 | $3.04 \%$ |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Average life 1 5 years |  | 98 | 95 | 4.3 | 2.12 |
| Total | $\$$ | 98 | 95 | 4.3 | $2.12 \%$ |
| Obligations of states and political <br> subdivisions securities: $(a)$ |  |  |  |  |  |
| Average life of 1 year or less |  | - | - | 0.3 | 5.90 |
| Average life 1 5 years | - | - | 2.4 | 5.90 |  |
| Average life 5 10 years |  | 2 | 2 | 6.0 | - |
| Total | $\$$ | 2 | 2 | 5.6 | $0.54 \%$ |

Agency residential mortgage-backed securities:

| Average life of 1 year or less | - | - | 0.4 | 10.07 |
| :--- | ---: | ---: | ---: | ---: |
| Average life 1 | 5 years | 5,932 | 5,821 | 4.4 |
| Average life 5 | 10 years | 9,367 | 9,066 | 7.4 |
| Average life greater than 10 years |  | 1,148 | 1,086 | 11.0 |
| Total | $\$$ | 16,447 | 15,973 | 6.6 |

Agency commercial mortgage-backed securities:

| Average life 15 years |  | 2,219 | 2,142 | 3.5 |
| :--- | ---: | ---: | ---: | :--- |
| Average life 5 10 years | 6,024 | 5,855 | 7.5 | 3.92 |
| Average life greater than 10 years | 2,162 | 2,049 | 11.7 | 3.09 |
| Total | $\$$ | 10,405 | 10,046 | 7.5 |
| N o n - a g e n c y c o m m e r c i a l |  |  |  | $3.06 \%$ |
| mortgage-backed securities: |  |  |  |  |
| Average life of 1 year or less | - | 0 | 0.3 | 4.53 |
| Average life 1 5 years | 699 | 692 | 4.6 | 3.23 |
| Average life 5 10 years | 2,470 | 2,405 | 6.6 | 3.23 |
| Total | $\$$ | 3,169 | 3,097 | 6.2 |

Asset-backed securities and other debt securities:

| Average life of 1 year or less | 36 | 35 | 0.4 | 2.59 |
| :--- | ---: | ---: | ---: | :--- |
| Average life 1 | 5 years | 1,104 | 1,105 | 3.7 |
| Average life 5 | 10 years | 698 | 705 | 6.7 |
| Average life greater than 10 years |  | 197 | 199 | 10.4 |
| Total | $\$$ | 2,035 | 2,044 | 5.3 |
| Other securities | 551 | 551 | 3.66 |  |

Total available-for-sale debt and other securities \$ 32,707

31,808
(a) Taxable-equivalent yield adjustments included in the above table are $0.00 \%, 0.48 \%, 0.00 \%$ and $0.03 \%$ for securities with an average life of 1 year or less, 1-5 years, 5-10 years and in total, respectively.

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## Deposits

The Bancorp s deposit balances represent an important source of funding and revenue growth opportunity. The Bancorp continues to focus on core deposit growth in its retail and commercial franchises by improving customer satisfaction, building full relationships and offering competitive rates. Average core deposits represented $72 \%$ and $71 \%$ of the Bancorp s average asset funding base at September 30, 2018 and December 31, 2017, respectively.

The following table presents the end of period components of deposits:

## TABLE 19: Components of Deposits

| As of (\$ in millions) | September 30, 2018 |  |  | December 31, 2017 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Balance | \% of Total |  | Balance | \% of Total |
| Demand | \$ | 31,803 | 31 | \$ | 35,276 | 34 |
| Interest checking |  | 30,288 | 29 |  | 27,703 | 27 |
| Savings |  | 13,027 | 12 |  | 13,425 | 13 |
| Money market |  | 21,977 | 21 |  | 20,097 | 19 |
| Foreign office |  | 298 | - |  | 484 | 1 |
| Total transaction deposits |  | 97,393 | 93 |  | 96,985 | 94 |
| Other time |  | 4,249 | 4 |  | 3,775 | 4 |
| Total core deposits |  | 101,642 | 97 |  | 100,760 | 98 |
| Certificates \$100,000 and over ${ }^{(a)}$ |  | 2,700 | 3 |  | 2,402 | 2 |
| Total deposits | \$ | 104,342 | 100 | \$ | 103,162 | 100 |

(a) Includes $\$ 1.5$ billion and $\$ 1.3$ billion of institutional, retail and wholesale certificates $\$ 250,000$ and over at September 30, 2018 and December 31, 2017, respectively.
Core deposits increased $\$ 882$ million, or $1 \%$, from December 31, 2017 driven by an increase of $\$ 474$ million in other time deposits and an increase of $\$ 408$ million in transaction deposits. Other time deposits increased from December 31, 2017 primarily due to promotional rate offers facilitated by the rising-rate environment. Transaction deposits increased from December 31, 2017 primarily due to increases in interest checking deposits and money market deposits, partially offset by a decrease in demand deposits. Interest checking deposits increased $\$ 2.6$ billion, or $9 \%$, from December 31, 2017 driven primarily by balance migration from demand deposit accounts and higher balances per commercial customer account. Money market deposits increased $\$ 1.9$ billion, or $9 \%$, from December 31, 2017 primarily as a result of promotional rate offers facilitated by the rising-rate environment, growth in the Fifth Third Preferred Banking program and direct mail marketing which drove consumer customer acquisition. Demand deposits decreased $\$ 3.5$ billion, or $10 \%$, from December 31, 2017 primarily as a result of the aforementioned commercial customer balance migration into interest checking deposits and lower balances per commercial customer account due to commercial customer seasonality.

Certificates $\$ 100,000$ and over increased $\$ 298$ million from December 31, 2017 primarily due to an increase in retail brokered certificates of deposit since December 31, 2017.

The following table presents the components of average deposits for the three months ended:

## TABLE 20: Components of Average Deposits

|  | September 30, 2018 |  | September 30, 2017 |  |  |
| :--- | ---: | ---: | ---: | ---: | :---: |
| (\$ in millions) | Balance | $\%$ of Total | Balance | $\%$ of Total |  |
| Demand | $\mathbf{3 2 , 3 3 3}$ | $\mathbf{3 1}$ | $\$$ | 34,850 | 33 |
| Interest checking |  | $\mathbf{2 9 , 6 8 1}$ | $\mathbf{2 8}$ | 25,765 | 25 |
| Savings | $\mathbf{1 3 , 2 3 1}$ | $\mathbf{1 3}$ | 13,889 | 14 |  |
| Money market | $\mathbf{2 1 , 7 5 3}$ | $\mathbf{2 1}$ | 20,028 | 20 |  |
| Foreign office | $\mathbf{3 1 7}$ | - | 395 | - |  |
| Total transaction deposits | $\mathbf{9 7 , 3 1 5}$ | $\mathbf{9 3}$ | 94,927 | 92 |  |
| Other time | $\mathbf{4 , 1 7 7}$ | $\mathbf{4}$ | 3,722 | 4 |  |
| Total core deposits | $\mathbf{1 0 1 , 4 9 2}$ | $\mathbf{9 7}$ | 98,649 | 96 |  |
| Certificates $\$ 100,000$ and over ${ }^{(a)}$ | $\mathbf{2 , 5 9 6}$ | $\mathbf{2}$ | 2,625 | 3 |  |
| Other deposits | $\mathbf{5 7 8}$ | $\mathbf{1}$ | 560 | 1 |  |
| Total average deposits | $\mathbf{\$}$ | $\mathbf{1 0 4 , 6 6 6}$ | $\mathbf{1 0 0}$ | $\$$ | 101,834 |

(a) Includes $\$ 1.4$ billion and $\$ 1.5$ billion of average institutional, retail and wholesale certificates $\$ 250,000$ and over for the three months ended September 30, 2018 and 2017, respectively.
On an average basis, core deposits increased $\$ 2.8$ billion, or $3 \%$, from September 30, 2017 primarily due to an increase of $\$ 2.4$ billion in average transaction deposits and an increase of $\$ 455$ million in average other time deposits. Average other time deposits increased from September 30, 2017 primarily as a result of promotional offers facilitated by the rising-rate environment. The increase in average transaction deposits was driven by increases in average interest checking deposits and average money market deposits, partially offset by a decrease in average demand deposits. Average interest checking deposits increased $\$ 3.9$ billion, or $15 \%$, from September 30, 2017, primarily due to balance migration from demand deposit accounts and an increase in average balances per commercial customer account. Average money market deposits increased $\$ 1.7$ billion, or $9 \%$, from September 30, 2017 primarily as a result of promotional rate offers facilitated by the rising-rate environment, growth in the Fifth Third Preferred Banking program and direct mail marketing which drove consumer customer acquisition. Average demand deposits decreased $\$ 2.5$ billion, or $7 \%$, from September 30, 2017 primarily due to commercial customer balance migration into interest checking deposits and a decrease in average balances per commercial customer account.

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## Contractual maturities

The contractual maturities of certificates $\$ 100,000$ and over as of September 30, 2018 are summarized in the following table:

## TABLE 21: Contractual Maturities of Certificates $\mathbf{\$ 1 0 0 , 0 0 0}$ and Over

(\$ in millions)
Next 3 months \$ 708

3-6 months 547
6-12 months 588
After 12 months 857
Total certificates $\$ 100,000$ and over $\$ 2,700$
The contractual maturities of other time deposits and certificates $\$ 100,000$ and over as of September 30, 2018 are summarized in the following table:

TABLE 22: Contractual Maturities of Other Time Deposits and Certificates $\mathbf{\$ 1 0 0 , 0 0 0}$ and Over
(\$ in millions)
Next 12 months \$ 3,728

13-24 months 2,304
25-36 months 759
37-48 months 126
49-60 months 24
After 60 months 8
$\begin{array}{ll}\text { Total other time deposits and certificates } \$ 100,000 \text { and over } & \$ \quad 6,949\end{array}$

## Borrowings

The Bancorp accesses a variety of short-term and long-term funding sources. Borrowings with original maturities of one year or less are classified as short-term and include federal funds purchased and other short-term borrowings. As of September 30, 2018, average total borrowings as a percent of average interest-bearing liabilities were $19 \%$ compared to $21 \%$ at December 31, 2017.

The following table summarizes the end of period components of borrowings:

TABLE 23: Components of Borrowings
As of (\$ in millions)
September 30, 2018
December 31, 2017
Federal funds purchased
\$
2,316
174

| Other short-term borrowings | $\mathbf{1 , 1 1 4}$ | 4,012 |
| :--- | ---: | ---: |
| Long-term debt | $\mathbf{1 4 , 4 6 0}$ | 14,904 |
| Total borrowings | $\mathbf{1 7 , 8 9 0}$ | 19,090 |

Total borrowings decreased $\$ 1.2$ billion, or $6 \%$, from December 31, 2017 due to decreases in other short-term borrowings and long-term debt partially offset by an increase in federal funds purchased. Other short-term borrowings decreased $\$ 2.9$ billion from December 31, 2017 driven by a decrease in FHLB advances. The level of other short-term borrowings can fluctuate significantly from period to period depending on funding needs and which sources are used to satisfy those needs. For further information on the components of other short-term borrowings, refer to Note 13 of the Notes to Condensed Consolidated Financial Statements. Long-term debt decreased $\$ 444$ million from December 31, 2017 primarily driven by the maturity of $\$ 1.9$ billion of unsecured senior bank notes and $\$ 500$ million of unsecured subordinated debt, $\$ 379$ million of paydowns on long-term debt associated with automobile loan securitizations and $\$ 117$ million of fair value adjustments associated with interest rate swaps hedging long-term debt during the nine months ended September 30, 2018. These decreases were partially offset by the issuance of $\$ 1.9$ billion of unsecured fixed-rate senior notes and $\$ 550$ million of unsecured floating-rate senior notes since December 31, 2017. For additional information regarding long-term debt issuances, refer to Note 14 of the Notes to Condensed Consolidated Financial Statements. Federal funds purchased increased $\$ 2.1$ billion from December 31, 2017 due to a reallocation of other short-term borrowings.

The following table summarizes components of average borrowings for the three months ended:

## TABLE 24: Components of Average Borrowings

| (\$ in millions) | September 30, 2018 |  | September 30, 2017 |
| :--- | :---: | :---: | :---: |
| Federal funds purchased | $\$$ | $\mathbf{1 , 9 8 7}$ | 675 |
| Other short-term borrowings |  | $\mathbf{1 , 0 1 8}$ | 4,212 |
| Long-term debt |  | $\mathbf{1 4 , 4 3 4}$ | 13,457 |
| Total average borrowings | $\$$ | $\mathbf{1 7 , 4 3 9}$ | 18,344 |

Total average borrowings decreased $\$ 905$ million, or 5\%, compared to September 30, 2017, due to decreases in average other short-term borrowings partially offset by increases in average federal funds purchased and average long-term debt. Average other short-term borrowings decreased $\$ 3.2$ billion compared to September 30, 2017, primarily driven by the decrease in FHLB advances. Average long-term debt increased $\$ 977$ million compared to September 30, 2017. The increase was primarily driven by the issuance of $\$ 2.7$ billion of unsecured fixed-rate senior bank notes and $\$ 850$ million of unsecured floating-rate senior bank notes since September 30, 2017 partially offset by the maturity of $\$ 1.9$ billion in unsecured senior bank notes since September 30, 2017 and $\$ 500$ million of unsecured subordinated debt during the second quarter of 2018. Average federal funds purchased increased $\$ 1.3$ billion due to a reallocation of other short-term borrowings. Information on the average rates paid on borrowings is discussed in the Net Interest Income subsection of the Statements of Income Analysis section of MD\&A. In addition, refer to the Liquidity Risk Management subsection of the Risk Management section of MD\&A for a discussion on the role of borrowings in the Bancorp s liquidity management.

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## BUSINESS SEGMENT REVIEW

The Bancorp reports on four business segments: Commercial Banking, Branch Banking, Consumer Lending and Wealth and Asset Management. Additional information on each business segment is included in Note 23 of the Notes to Condensed Consolidated Financial Statements. Results of the Bancorp s business segments are presented based on its management structure and management accounting practices. The structure and accounting practices are specific to the Bancorp; therefore, the financial results of the Bancorp s business segments are not necessarily comparable with similar information for other financial institutions. The Bancorp refines its methodologies from time to time as management s accounting practices and businesses change.

The Bancorp manages interest rate risk centrally at the corporate level. By employing an FTP methodology, the business segments are insulated from most benchmark interest rate volatility, enabling them to focus on serving customers through the origination of loans and acceptance of deposits. The FTP methodology assigns charge rates and credit rates to classes of assets and liabilities, respectively, based on the estimated amount and timing of the cash flows for each transaction. Assigning the FTP rate based on matching the duration of cash flows allocates interest income and interest expense to each business segment so its resulting net interest income is insulated from future changes in benchmark interest rates. The Bancorp s FTP methodology also allocates the contribution to net interest income of the asset-generating and deposit-providing businesses on a duration-adjusted basis to better attribute the driver of the performance. As the asset and liability durations are not perfectly matched, the residual impact of the FTP methodology is captured in General Corporate and Other. The charge and credit rates are determined using the FTP rate curve, which is based on an estimate of Fifth Third s marginal borrowing cost in the wholesale funding markets. The FTP curve is constructed using the U.S. swap curve, brokered CD pricing and unsecured debt pricing.

The Bancorp adjusts the FTP charge and credit rates as dictated by changes in interest rates for various interest-earning assets and interest-bearing liabilities and by the review of behavioral assumptions, such as prepayment rates on interest-earning assets and the estimated durations for indeterminate-lived deposits. Key assumptions, including the credit rates provided for deposit accounts, are reviewed annually. Credit rates for deposit products and charge rates for loan products may be reset more frequently in response to changes in market conditions. The credit rates for several deposit products were reset January 1, 2018 to reflect the current market rates and updated market assumptions. These rates were generally higher than those in place during 2017, thus net interest income for deposit-providing business segments was positively impacted during 2018. FTP charge rates on assets were affected by the prevailing level of interest rates and by the duration and repricing characteristics of the portfolio. As overall market rates increased, the FTP charge increased for asset-generating business segments during 2018.

The Bancorp s methodology for allocating provision for loan and lease losses expense to the business segments includes charges or benefits associated with changes in criticized commercial loan levels in addition to actual net charge-offs experienced by the loans and leases owned by each business segment. Provision for loan and lease losses expense attributable to loan and lease growth and changes in ALLL factors is captured in General Corporate and Other. The financial results of the business segments include allocations for shared services and headquarters expenses. Additionally, the business segments form synergies by taking advantage of cross-sell opportunities and funding operations by accessing the capital markets as a collective unit.

The results of operations and financial position for the three and nine months ended September 30, 2017 were adjusted to reflect changes in internal expense allocation methodologies.

The following table summarizes net income (loss) by business segment:

TABLE 25: Net Income (Loss) by Business Segment

| (\$ in millions) | For the three months ended September 30, |  |  | For the nine months ended September 30, |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 018 | 2017 | 2018 | 2017 |
| Income Statement Data |  |  |  |  |  |
| Commercial Banking | \$ | 298 | 244 | 843 | 698 |
| Branch Banking |  | 207 | 124 | 490 | 338 |
| Consumer Lending |  | - | 12 | (13) | 11 |
| Wealth and Asset Management |  | 25 | 19 | 70 | 52 |
| General Corporate and Other |  | (97) | 615 | 331 | 586 |
| Net income | \$ | 433 | 1,014 | 1,721 | 1,685 |

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## Commercial Banking

Commercial Banking offers credit intermediation, cash management and financial services to large and middle-market businesses and government and professional customers. In addition to the traditional lending and depository offerings, Commercial Banking products and services include global cash management, foreign exchange and international trade finance, derivatives and capital markets services, asset-based lending, real estate finance, public finance, commercial leasing and syndicated finance.

The following table contains selected financial data for the Commercial Banking segment:

TABLE 26: Commercial Banking

| (\$ in millions) | For the three months ended September 30, |  |  | For the nine months ended September 30, |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Income Statement Data |  |  |  |  |  |
| Net interest income (FTE) ${ }^{(a)}$ | \$ | 431 | 429 | 1,285 | 1,280 |
| (Benefit from) provision for loan and lease losses |  | (11) | (3) | (41) | 25 |
| Noninterest income: |  |  |  |  |  |
| Corporate banking revenue |  | 100 | 100 | 304 | 272 |
| Service charges on deposits |  | 68 | 71 | 207 | 217 |
| Other noninterest income |  | 67 | 45 | 170 | 156 |
| Noninterest expense: |  |  |  |  |  |
| Personnel costs |  | 79 | 71 | 250 | 225 |
| Other noninterest expense |  | 266 | 270 | 839 | 806 |
| Income before income taxes (FTE) |  | 332 | 307 | 918 | 869 |
| Applicable income tax expense ${ }^{(a)(b)}$ |  | 34 | 63 | 75 | 171 |
| Net income | \$ | 298 | 244 | 843 | 698 |
| Average Balance Sheet Data |  |  |  |  |  |
| Commercial loans and leases, including held for sale | \$ | 54,685 | 53,722 | 54,305 | 53,708 |
| Demand deposits |  | 16,198 | 19,292 | 16,967 | 19,466 |
| Interest checking deposits |  | 12,511 | 8,680 | 11,303 | 8,912 |
| Savings and money market deposits |  | 3,691 | 4,972 | 4,263 | 5,615 |
| Other time deposits and certificates \$100,000 and over |  | 268 | 903 | 401 | 931 |
| Foreign office deposits |  | 316 | 391 | 392 | 391 |

(a) Includes FTE adjustments of $\$ 4$ and $\$ 7$ for the three months ended September 30, 2018 and 2017, respectively, and $\$ 12$ and $\$ 19$ for the nine months ended September 30, 2018 and 2017, respectively.
(b) Applicable income tax expense for all periods includes the tax benefit from tax-exempt income, tax-advantaged investments and tax credits, partially offset by the effect of certain nondeductible expenses. Refer to the Applicable Income Taxes subsection of the Statements of Income Analysis section of MD\&A for additional information.

Net income was $\$ 298$ million for the three months ended September 30, 2018 compared to net income of $\$ 244$ million for the three months ended September 30, 2017. Net income was $\$ 843$ million for the nine months ended September 30, 2018 compared to net income of $\$ 698$ million for the nine months ended September 30, 2017. The increase for both periods was driven by decreases in the provision for loan and lease losses and increases in noninterest income and net interest income on an FTE basis partially offset by increases in noninterest expense.

Net interest income on an FTE basis increased $\$ 2$ million and $\$ 5$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily driven by increases in yields on average commercial loans and leases and increases in FTP credits on interest checking deposits. These increases were partially offset by increases in FTP charge rates on loans and leases and increases in the rates paid on core deposits.

Provision for loan and lease losses decreased $\$ 8$ million and $\$ 66$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year. The decrease for the three months ended September 30, 2018 compared to the same period in the prior year was primarily driven by a decrease in net charge-offs. The decrease for the nine months ended September 30, 2018 compared to the same period in the prior year was primarily driven by a decrease in criticized asset levels partially offset by an increase in net charge-offs. Net charge-offs as a percent of average portfolio loans and leases decreased to 12 bps and increased to 20 bps for the three and nine months ended September 30, 2018, respectively, compared to 19 bps for both periods in the prior year.

Noninterest income increased $\$ 19$ million and $\$ 36$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year. The increase for both the three and nine months ended September 30, 2018 was driven by an increase in other noninterest income partially offset by a decrease in service charges on deposits. Additionally, the increase for the nine months ended September 30, 2018 included the impact of an increase in corporate banking revenue. Other noninterest income increased $\$ 22$ million and $\$ 14$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily due to an increase in private equity investment income. Service charges on deposits decreased $\$ 3$ million and $\$ 10$ million for three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year. Corporate banking revenue increased $\$ 32$ million for the nine months ended September 30, 2018 compared to the same period in the prior year driven by increases in lease remarketing fees, foreign exchange fees, institutional sales revenue and contract revenue from commercial customer derivatives partially offset by decreases in business lending fees and letter of credit fees. The increase in lease remarketing fees for the nine months ended September 30, 2018 included the impact of a $\$ 31$ million impairment charge related to certain operating lease assets that was recognized during the first quarter of 2017.

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Noninterest expense increased $\$ 4$ million and $\$ 58$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year. The increase for the three months ended September 30, 2018 was due to an increase in personnel costs partially offset by a decrease in other noninterest expense. Personnel costs increased $\$ 8$ million for the three months ended September 30, 2018 compared to the same period in the prior year due to increased base compensation. Other noninterest expense decreased $\$ 4$ million for the three months ended September 30, 2018 compared to the same period in the prior year primarily due to decreases in consulting expense, impairment on affordable housing investments and OREO expense partially offset by increases in corporate overhead allocations. The increase for the nine months ended September 30, 2018 was a result of increases in both other noninterest expense and personnel costs. Other noninterest expense increased $\$ 33$ million for the nine months ended September 30, 2018 compared to the same period in the prior year primarily due to increases in corporate overhead allocations and impairment on affordable housing investments partially offset by a decrease in consulting expense. Personnel costs increased $\$ 25$ million for the nine months ended September 30, 2018 compared to the same period in the prior year primarily due to increased base compensation and incentive compensation.

Average commercial loans and leases increased $\$ 963$ million and $\$ 597$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily due to increases in average commercial and industrial loans and average commercial construction loans partially offset by decreases in average commercial leases and average commercial mortgage loans. Average commercial and industrial loans increased $\$ 1.1$ billion and $\$ 522$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year as a result of an increase in new loan originations as well as a decrease in payoffs. Average commercial construction loans increased $\$ 310$ million and $\$ 474$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily due to increases in draw levels on existing commitments. Average commercial leases decreased $\$ 335$ million and $\$ 159$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily as a result of a planned reduction in indirect non-relationship based lease originations. Average commercial mortgage loans decreased $\$ 146$ million and $\$ 240$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year due to an increase in paydowns and lower new loan origination activity driven by increased competition.

Average core deposits decreased $\$ 620$ million and $\$ 1.5$ billion for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year. The decreases for the three and nine months ended September 30, 2018 were driven by decreases in average demand deposits of $\$ 3.1$ billion and $\$ 2.5$ billion, respectively, and average savings and money market deposits of $\$ 1.3$ billion and $\$ 1.4$ billion, respectively, compared to the same periods in the prior year primarily due to lower average balances per account. These decreases were partially offset by increases in average interest checking deposits of $\$ 3.8$ billion and $\$ 2.4$ billion for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily due to balance migration from demand deposit accounts and increases in average balances per account.

## Branch Banking

Branch Banking provides a full range of deposit and loan products to individuals and small businesses through 1,152 full-service banking centers. Branch Banking offers depository and loan products, such as checking and savings
accounts, home equity loans and lines of credit, credit cards and loans for automobiles and other personal financing needs, as well as products designed to meet the specific needs of small businesses, including cash management services.

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The following table contains selected financial data for the Branch Banking segment:

TABLE 27: Branch Banking

| (\$ in millions) | September 30, |  |  | September 30, |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2018 | 2017 | 2018 | 2017 |
| Income Statement Data |  |  |  |  |  |
| Net interest income | \$ | 525 | 453 | 1,490 | 1,320 |
| Provision for loan and lease losses |  | 34 | 35 | 124 | 115 |
| Noninterest income: |  |  |  |  |  |
| Service charges on deposits |  | 71 | 67 | 205 | 196 |
| Card and processing revenue |  | 67 | 64 | 199 | 185 |
| Wealth and asset management revenue |  | 38 | 35 | 113 | 106 |
| Other noninterest income |  | 28 | 25 | 41 | 76 |
| Noninterest expense: |  |  |  |  |  |
| Personnel costs |  | 131 | 126 | 404 | 387 |
| Net occupancy and equipment expense |  | 56 | 56 | 168 | 172 |
| Card and processing expense |  | 30 | 31 | 89 | 93 |
| Other noninterest expense |  | 216 | 206 | 642 | 595 |
| Income before income taxes |  | 262 | 190 | 621 | 521 |
| Applicable income tax expense |  | 55 | 66 | 131 | 183 |
| Net income | \$ | 207 | 124 | 490 | 338 |
| Average Balance Sheet Data |  |  |  |  |  |
| Consumer loans | \$ | 13,069 | 12,905 | 12,992 | 13,013 |
| Commercial loans |  | 1,972 | 1,915 | 1,919 | 1,928 |
| Demand deposits |  | 14,403 | 13,875 | 14,310 | 13,839 |
| Interest checking deposits |  | 10,065 | 10,228 | 10,232 | 10,231 |
| Savings and money market deposits |  | 29,786 | 27,671 | 29,260 | 27,539 |
| Other time deposits and certificates \$100,000 and over |  | 5,443 | 4,903 | 5,238 | 4,962 |

Net income was $\$ 207$ million for the three months ended September 30, 2018 compared to net income of $\$ 124$ million for the three months ended September 30, 2017. Net income was $\$ 490$ million for the nine months ended September 30, 2018 compared to $\$ 338$ million for the nine months ended September 30, 2017. The increase for both periods was driven by increases in net interest income partially offset by increases in noninterest expense.

Net interest income increased $\$ 72$ million and $\$ 170$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year. The increase in net interest income for both periods was primarily due to increases in FTP credit rates on core deposits as well as increases in interest income on other consumer loans driven by higher average balances. These benefits were partially offset by increases in FTP charge rates on loans and leases and increases in the rates paid on savings and money market deposits. Additionally, for the nine months ended September 30, 2018, the increase in net interest income was partially offset by the impact of a
$\$ 12$ million benefit in the first quarter of 2017 related to a revised estimate of refunds to be offered to certain bankcard customers.

Provision for loan and lease losses decreased $\$ 1$ million and increased $\$ 9$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year. The increase for the nine months ended September 30, 2018 was primarily due to increases in net charge-offs on other consumer loans and credit card. Net charge-offs as a percent of average portfolio loans and leases increased to 99 bps and 111 bps for the three and nine months ended September 30, 2018, respectively, compared to 96 bps and 103 bps for the three and nine months ended September 30, 2017, respectively.

Noninterest income increased $\$ 13$ million and decreased $\$ 5$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year. The increase for the three months ended September 30, 2018 compared to the same period in the prior year was primarily due to increases in service charges on deposits, card and processing revenue, wealth and asset management revenue and other noninterest income of $\$ 4$ million, $\$ 3$ million, $\$ 3$ million and $\$ 3$ million, respectively. The decrease for the nine months ended September 30, 2018 compared to the same period in the prior year was primarily due to a decrease in other noninterest income partially offset by increases in card and processing revenue, service charges on deposits and wealth and asset management revenue. Other noninterest income decreased $\$ 35$ million for the nine months ended September 30, 2018 compared to the same period in the prior year primarily due to the impact of impairment on bank premises and equipment. Card and processing revenue increased $\$ 14$ million for the nine months ended September 30, 2018 compared to the same period in the prior year primarily driven by increases in the number of actively used cards and customer spend volume. Service charges on deposits increased $\$ 9$ million for the nine months ended September 30, 2018 compared to the same period in the prior year. Wealth and asset management revenue increased $\$ 7$ million for the nine months ended September 30, 2018 compared to the same period in the prior year primarily driven by an increase in brokerage fees and private client service fees.

Noninterest expense increased $\$ 14$ million and $\$ 56$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily due to increases in other noninterest expense and personnel costs. Other noninterest expense increased $\$ 10$ million and $\$ 47$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily due to increases in corporate overhead allocations and loan and lease expense. Personnel costs increased $\$ 5$ million and $\$ 17$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily due to higher base compensation.

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Average consumer loans increased $\$ 164$ million and decreased $\$ 21$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year. The change for both the three and nine months ended September 30, 2018 compared to the same periods in the prior year was impacted by increases in average other consumer loans of $\$ 1.1$ billion and $\$ 993$ million, respectively, primarily due to growth in point-of-sale loan originations and decreases in both average home equity loans of $\$ 536$ million and $\$ 542$ million, respectively, and average residential mortgage loans of $\$ 305$ million and $\$ 314$ million, respectively, as payoffs exceeded new loan production.

Average core deposits increased $\$ 2.9$ billion and $\$ 2.4$ billion for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year. The increase for both periods was primarily driven by growth in average savings and money market deposits of $\$ 2.1$ billion and $\$ 1.7$ billion and growth in average demand deposits of $\$ 528$ million and $\$ 471$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily due to increases in average balances per customer account and the acquisition of new customers.

## Consumer Lending

Consumer Lending includes the Bancorp s residential mortgage, home equity, automobile and other indirect lending activities. Lending activities include the origination, retention and servicing of residential mortgage and home equity loans or lines of credit, sales and securitizations of those loans, pools of loans or lines of credit and all associated hedging activities. Indirect lending activities include extending loans to consumers through correspondent lenders and automobile dealers.

The following table contains selected financial data for the Consumer Lending segment:

TABLE 28: Consumer Lending

| (\$ in millions) | September 30, |  |  | September 30, |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Income Statement Data |  |  |  |  |  |
| Net interest income | \$ | 60 | 59 | 178 | 179 |
| Provision for loan and lease losses |  | 10 | 8 | 30 | 30 |
| Noninterest income: |  |  |  |  |  |
| Mortgage banking net revenue |  | 48 | 61 | 153 | 164 |
| Other noninterest income |  | 2 | 7 | (7) | 18 |
| Noninterest expense: |  |  |  |  |  |
| Personnel costs |  | 46 | 46 | 148 | 142 |
| Other noninterest expense |  | 54 | 55 | 162 | 171 |
| (Loss) income before income taxes |  | - | 18 | (16) | 18 |
| Applicable income tax (benefit) expense |  | - | 6 | (3) | 7 |


| Net (loss) income | $\$$ | - | 12 | $\mathbf{( 1 3 )}$ | 11 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Average Balance Sheet Data |  |  |  |  |  |
| Residential mortgage loans, including held for sale | $\$$ | $\mathbf{1 1 , 8 9 6}$ | 11,672 | $\mathbf{1 1 , 8 0 5}$ | 11,422 |
| Home equity |  | $\mathbf{2 3 7}$ | 285 | $\mathbf{2 4 9}$ | 299 |
| Automobile loans |  | $\mathbf{8 , 6 6 8}$ | 8,826 | $\mathbf{8 , 6 6 9}$ | 8,995 |

Consumer Lending reported an immaterial amount of net income for the three months ended September 30, 2018 compared to net income of $\$ 12$ million for the three months ended September 30, 2017. Consumer Lending incurred a net loss of $\$ 13$ million for the nine months ended September 30, 2018 compared to net income of $\$ 11$ million for the nine months ended September 30, 2017. The decrease for both periods was driven by decreases in noninterest income partially offset by decreases in the noninterest expense.

Provision for loan and lease losses increased $\$ 2$ million and was flat for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year. Net charge-offs as a percent of average portfolio loans and leases were 20 bps for both the three and nine months ended September 30, 2018 compared to 15 bps and 20 bps for the same periods in the prior year, respectively.

Noninterest income decreased $\$ 18$ million and $\$ 36$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year due to decreases in both mortgage banking net revenue and other noninterest income. Mortgage banking net revenue decreased $\$ 13$ million and $\$ 11$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily due to decreases in origination fees and gains on loan sales partially offset by increases in net mortgage servicing revenue. Refer to the Noninterest Income subsection of the Statements of Income Analysis section of the MD\&A for additional information on the fluctuations in mortgage banking net revenue. Other noninterest income decreased $\$ 5$ million and $\$ 25$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily due to increases in losses on securities related to non-qualifying hedges on MSRs resulting from increased interest rates.

Noninterest expense decreased $\$ 1$ million and $\$ 3$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in prior year. Other noninterest expense decreased $\$ 9$ million for the nine months ended September 30, 2018 compared to the same period in prior year primarily due to decreases in operational losses and loan and lease expense. Personnel costs increased $\$ 6$ million for the nine months ended September 30, 2018 compared to the same period in the prior year primarily due to an increase in base compensation.

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Average consumer loans increased $\$ 18$ million and $\$ 7$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year. Average residential mortgage loans increased $\$ 224$ million and $\$ 383$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily driven by the continued retention of certain agency conforming ARMs and certain other fixed-rate loans. Average automobile loans decreased $\$ 158$ million and $\$ 326$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year as payoffs exceeded new loan production due to a strategic shift focusing on improving risk-adjusted returns.

## Wealth and Asset Management

Wealth and Asset Management provides a full range of investment alternatives for individuals, companies and not-for-profit organizations. Wealth and Asset Management is made up of five main businesses: FTS; ClearArc Capital, Inc.; Fifth Third Insurance Agency, Inc.; Fifth Third Private Bank; and Fifth Third Institutional Services. FTS offers full service retail brokerage services to individual clients and broker-dealer services to the institutional marketplace. ClearArc Capital, Inc. provides asset management services. Fifth Third Insurance Agency, Inc. assists clients with their financial and risk management needs. Fifth Third Private Bank offers holistic strategies to affluent clients in wealth planning, investing, insurance and wealth protection. Fifth Third Institutional Services provides advisory services for institutional clients including states and municipalities.

The following table contains selected financial data for the Wealth and Asset Management segment:

TABLE 29: Wealth and Asset Management

| (\$ in millions) | For the three months ended September 30, |  |  | For the nine months ended September 30, |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2018 |  | 2018 | 2017 |
| Income Statement Data |  |  |  |  |  |
| Net interest income | \$ | 46 | 38 | 134 | 114 |
| Provision for (benefit from) loan and lease losses |  | 3 | (1) | 8 | 2 |
| Noninterest income: |  |  |  |  |  |
| Wealth and asset management revenue |  | 110 | 99 | 324 | 304 |
| Other noninterest income |  | 5 | 2 | 20 | 8 |
| Noninterest expense: |  |  |  |  |  |
| Personnel costs |  | 50 | 42 | 154 | 136 |
| Other noninterest expense |  | 76 | 69 | 227 | 209 |
| Income before income taxes |  | 32 | 29 | 89 | 79 |
| Applicable income tax expense |  | 7 | 10 | 19 | 27 |
| Net income | \$ | 25 | 19 | 70 | 52 |
| Average Balance Sheet Data |  |  |  |  |  |
| Loans and leases, including held for sale | \$ | 3,449 | 3,265 | 3,410 | 3,257 |
| Core deposits |  | 9,029 | 8,543 | 9,266 | 8,721 |

Net income was $\$ 25$ million for the three months ended September 30, 2018 compared to net income of $\$ 19$ million for the three months ended September 30, 2017. Net income was $\$ 70$ million for the nine months ended September 30, 2018 compared to $\$ 52$ million for the nine months ended September 30, 2017. The increases for both periods were driven primarily by increases in noninterest income and net interest income partially offset by increases in noninterest expense and provision for loan and lease losses.

Net interest income increased $\$ 8$ million and $\$ 20$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily due to increases in FTP credit rates on interest checking deposits and savings and money market deposits as well as increases in yields on average loans and leases. These positive impacts were partially offset by increases in the rates paid on interest checking deposits as well as an increase in FTP charge rates on loans and leases.

Provision for loan and lease losses increased $\$ 4$ million and $\$ 6$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year driven by an increase in net charge-offs partially offset by the impact of the benefit of lower criticized assets.

Noninterest income increased $\$ 14$ million and $\$ 32$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year driven by increases in wealth and asset management revenue and other noninterest income. Wealth and asset management revenue increased $\$ 11$ million and $\$ 20$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily due to increases in private client service fees and brokerage fees driven by an increase in assets under management as a result of strong market performance and increased asset production. Other noninterest income increased $\$ 3$ million and $\$ 12$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year due to increases in insurance income as a result of acquisitions in 2017.

Noninterest expense increased $\$ 15$ million and $\$ 36$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year as a result of increases in personnel costs and other noninterest expense. Personnel costs increased $\$ 8$ million and $\$ 18$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year driven by increases in base compensation and incentive compensation driven by the aforementioned acquisitions in 2017. Other noninterest expense increased $\$ 7$ million and $\$ 18$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily driven by increases in corporate overhead allocations.

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Average loans and leases increased $\$ 184$ million and $\$ 153$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year driven by increases in average commercial and industrial loans and average residential mortgage loans due to increases in new loan origination activity. These increases were partially offset by a decline in average home equity balances.

Average core deposits increased $\$ 486$ million and $\$ 545$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year primarily due to increases in average interest checking deposits and average savings and money market deposits.

## General Corporate and Other

General Corporate and Other includes the unallocated portion of the investment securities portfolio, securities gains and losses, certain non-core deposit funding, unassigned equity, unallocated provision for loan and lease losses expense or a benefit from the reduction of the ALLL, the payment of preferred stock dividends and certain support activities and other items not attributed to the business segments.

Net interest income decreased $\$ 13$ million for the three months ended September 30, 2018 compared to the same period in the prior year driven by increases in FTP credit rates on deposits allocated to the business segments and increases in interest expense on long-term debt and federal funds purchased as well as the impact of interest rate contracts hedging commercial and industrial loans. The decrease for the three months ended September 30, 2018 was partially offset by an increase in the benefit related to the FTP charges on loans and leases as well as an increase in interest income on taxable securities. Net interest income increased $\$ 16$ million for the nine months ended September 30, 2018 compared to the same period in the prior year primarily driven by an increase in the benefit related to the FTP charges on loans and leases as well as an increase in interest income on taxable securities. The increase for the nine months ended September 30, 2018 was partially offset by increases in FTP credit rates on deposits allocated to the business segments, the impact of interest rate contracts hedging commercial and industrial loans as well as an increase in interest expense on long-term debt and federal funds purchased.

The provision for loan and lease losses increased $\$ 22$ million and was flat for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year. The increase for the three months ended September 30, 2018 compared to the same period in the prior year was primarily due to a decrease in the allocation of provision expense to the business segments driven by a decrease in commercial criticized assets.

Noninterest income decreased $\$ 1$ billion and $\$ 455$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year driven by the recognition of a $\$ 1.0$ billion gain on the sale of Worldpay, Inc. shares during the third quarter of 2017. The decrease for nine months ended September 30, 2018 was partially offset by the recognition of a $\$ 205$ million gain on the sale of Worldpay, Inc. shares during the second quarter of 2018 and a $\$ 414$ million gain related to Vantiv, Inc. s acquisition of Worldpay Group plc. during the first quarter of 2018. Both periods were impacted by negative valuation adjustments related to the Visa total return swap which were $\$ 17$ million and $\$ 66$ million for the three and nine months ended September 30, 2018, respectively, compared with $\$ 47$ million and $\$ 69$ million for the same periods in the prior year. Additionally, equity method earnings from the Bancorp s interest in Worldpay Holding, LLC decreased $\$ 11$ million and $\$ 36$ million compared to
the three and nine months ended September 30, 2017, respectively, primarily due to a decrease in the Bancorp s ownership percentage in Worldpay Holding, LLC and the impact of Worldpay, Inc. s acquisition and integration costs on its earnings.

Noninterest expense increased $\$ 4$ million and $\$ 30$ million for the three and nine months ended September 30, 2018, respectively, compared to the same periods in the prior year. The increase for both periods was primarily due to increases in technology and communications expense and personnel costs partially offset by increases in corporate overhead allocations from General Corporate and Other to the other business segments. Additionally, the nine months ended September 30, 2018 included an increase of $\$ 10$ million in donations expense compared to the same period in the prior year as a result of a contribution to the Fifth Third Foundation in the second quarter of 2018 partially offset by an increased benefit from the reserve for unfunded commitments for the same period.

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## RISK MANAGEMENT OVERVIEW

Risk management is critical for effectively serving customers financial needs while protecting the Bancorp and achieving strategic goals. It is also essential to reducing the volatility of earnings and safeguarding our brand and reputation. Further, risk management is integral to the Bancorp s strategic and capital planning processes. It is essential that the Bancorp s business strategies consistently align to its overall risk appetite and capital considerations. Maintaining risks within the Bancorp s risk appetite requires that risks are understood by all employees across the enterprise, and appropriate risk mitigants and controls are in place to limit risk to within the risk appetite. To achieve this, the Bancorp implements a framework for managing risk that encompasses business as usual activities and the utilization of a risk process for identifying, assessing, managing, monitoring and reporting risks.

Fifth Third uses a structure consisting of three lines of defense in order to clarify the roles and responsibilities for effective risk management.

The risk taking functions within the lines of business comprise the first line of defense. The first line of defense originates risk through normal business as usual activities; therefore, it is essential that they monitor, assess and manage the risks being taken, implement controls necessary to mitigate those risks and take responsibility for managing their business within the Bancorp s risk appetite.

Control functions, such as the Risk Management organization, are the second line of defense and are responsible for providing challenge, oversight and governance of activities performed by the first line.

The Audit division is the third line of defense and provides an independent assessment of the Bancorp s internal control structure and related systems and processes. The Credit Risk Review division provides an independent assessment of credit risk, which includes evaluating the sufficiency of underwriting, documentation and approval processes for consumer and commercial credits, the accuracy of risk grades assigned to commercial credit exposure, nonaccrual status, specific reserves and monitoring for charge-offs.

Fifth Third s core values and culture provide a foundation for supporting sound risk management practices by setting expectations for appropriate conduct and accountability across the organization.

All employees are expected to conduct themselves in alignment with Fifth Third score values and Code of Business Conduct \& Ethics, which may be found on www. $53 . \mathrm{com}$, while carrying out their responsibilities. Fifth Third s Corporate Responsibility and Reputation Committee provides oversight of business conduct policies, programs and strategies and monitors reporting of potential misconduct, trends or themes across the enterprise. Prudent risk management is a responsibility that is expected from all employees across the first, second and third lines of defense and is a foundational element of Fifth Third s culture.

Below are the Bancorp s core principles of risk management that are used to ensure the Bancorp is operating in a safe and sound manner:

Understand the risks taken as a necessary part of business; however, the Bancorp ensures risks taken are in alignment with its strategy and risk appetite.
Provide transparency and escalate risks and issues as necessary.
Ensure Fifth Third s products and services are designed, delivered and maintained to provide value and benefit to its customers and to Fifth Third, and that potential opportunities remain aligned to the core customer base. Avoid risks that cannot be understood, managed and monitored.
Act with integrity in all activities.
Focus on providing operational excellence by providing reliable, accurate and efficient services to meet customer s needs.
Maintain a strong financial position to ensure that the Bancorp meets its strategic objectives through all economic cycles and is able to access the capital markets at all times, even under stressed conditions.
Protect the Bancorp s reputation by thoroughly understanding the consequences of business strategies, products and processes.
Conduct business in compliance with all applicable laws, rules and regulations and in alignment with internal policies and procedures.
Fifth Third s success is dependent on effective risk management and understanding and controlling the risks taken in order to deliver sustainable returns for employees and shareholders. The Bancorp s goal is to ensure that aggregate risks do not exceed its risk capacity, and that risks taken are supportive of the Bancorp s portfolio diversification and profitability objectives.

Fifth Third s Risk Management Framework states its risk appetite and the linkage to strategic and capital planning, defines and sets the tolerance for each of the eight risk types, explains the process used to manage risk across the enterprise and sets forth its risk governance structure.

The Board of Directors (the Board ) and executive management define the risk appetite, which is considered in the development of business strategies, and forms the basis for enterprise risk management. The Bancorp s risk appetite is set annually in alignment with the strategic, capital and financial plans, and is reviewed by the Board on an annual basis.
The Risk Management Process provides a consistent and integrated approach for managing risks and ensuring appropriate risk mitigants and controls are in place, and risks and issues are appropriately escalated. Five components are utilized for effective risk management; identifying, assessing, managing, monitoring and reporting risks.
The Board and executive management have identified eight risk types for monitoring the overall risk of the Bancorp; Credit Risk, Market Risk, Liquidity Risk, Operational Risk, Regulatory Compliance Risk, Legal Risk, Reputation Risk and Strategic Risk, and have also qualitatively established a risk tolerance, which is defined as the maximum amount of risk the Bancorp is willing to take for each of the eight risk types. These risk types are assessed on an ongoing basis and reported to the board each quarter, or more frequently, if necessary. In addition, each business and operational function (first line of defense) is accountable for proactively identifying and managing risk using its risk management process. Risk tolerances and risk limits are also established, where appropriate, in order to ensure that businesses and operational functions across the enterprise are able to monitor and manage risks at a more granular level, while ensuring that aggregate risks across the enterprise do not exceed the overall risk appetite.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)


#### Abstract

The Bancorp s risk governance structure includes management committees operating under delegation from, and providing information directly or indirectly to, the Board. The Bancorp Board delegates certain responsibilities to Board sub-committees, including the RCC as outlined in each respective Committee Charter, which may be found on www.53.com. The ERMC, which reports to the RCC, comprises senior management from across the Bancorp and reviews and approves risk management frameworks and policies, oversees the management of all risk types to ensure that aggregated risks remain within the Bancorp s risk appetite and fosters a risk culture to ensure appropriate escalation and transparency of risks.

\section*{CREDIT RISK MANAGEMENT}


The objective of the Bancorp s credit risk management strategy is to quantify and manage credit risk on an aggregate portfolio basis, as well as to limit the risk of loss resulting from the failure of a borrower or counterparty to honor its financial or contractual obligations to the Bancorp. The Bancorp s credit risk management strategy is based on three core principles: conservatism, diversification and monitoring. The Bancorp believes that effective credit risk management begins with conservative lending practices which are described below. These practices include the use of intentional risk-based limits for single name exposures and counterparty selection criteria designed to reduce or eliminate exposure to borrowers who have higher than average default risk and defined weaknesses in financial performance. The Bancorp carefully designed and monitors underwriting, documentation and collection standards. The Bancorp s credit risk management strategy also emphasizes diversification on a geographic, industry and customer level as well as ongoing portfolio monitoring and timely management reviews of large credit exposures and credits experiencing deterioration of credit quality. Credit officers with the authority to extend credit are delegated specific authority amounts, the utilization of which is closely monitored. Underwriting activities are centrally managed, and ERM manages the policy and the authority delegation process directly. The Credit Risk Review function provides independent and objective assessments of the quality of underwriting and documentation, the accuracy of risk grades and the charge-off, nonaccrual and reserve analysis process. The Bancorp scredit review process and overall assessment of the adequacy of the allowance for credit losses is based on quarterly assessments of the probable estimated losses inherent in the loan and lease portfolio. The Bancorp uses these assessments to promptly identify potential problem loans or leases within the portfolio, maintain an adequate allowance for credit losses and take any necessary charge-offs. The Bancorp defines potential problem loans and leases as those rated substandard that do not meet the definition of a nonaccrual loan or a restructured loan. Refer to Note 6 of the Notes to Condensed Consolidated Financial Statements for further information on the Bancorp s credit grade categories, which are derived from standard regulatory rating definitions. In addition, stress testing is performed on various commercial and consumer portfolios using the CCAR model and for certain portfolios, such as real estate and leveraged lending, the stress testing is performed by Credit department personnel at the individual loan level during credit underwriting.

The following tables provide a summary of potential problem portfolio loans and leases:

TABLE 30: Potential Problem Portfolio Loans and Leases

As of September 30, 2018 (\$ in millions)

|  | Unpaid |  |
| :--- | :---: | :--- |
| Carrying | Principal |  |
| Value | Balance | Exposure |


| Commercial and industrial loans | $\$$ | $\mathbf{5 5 8}$ | $\mathbf{5 5 8}$ | $\mathbf{8 0 1}$ |
| :--- | ---: | ---: | ---: | ---: |
| Commercial mortgage loans |  | $\mathbf{1 1 1}$ | $\mathbf{1 1 2}$ | $\mathbf{1 1 1}$ |
| Commercial leases | $\mathbf{6 0}$ | $\mathbf{6 0}$ | $\mathbf{6 0}$ |  |
| Total potential problem portfolio loans and leases | $\mathbf{7 2 9}$ | $\mathbf{7 3 0}$ | $\mathbf{9 7 2}$ |  |

TABLE 31: Potential Problem Portfolio Loans and Leases

|  |  | $\begin{array}{c}\text { Unpaid } \\ \text { Principal }\end{array}$ |  |  |
| :--- | ---: | ---: | ---: | ---: |
| As of December 31, 2017 (\$ in millions) |  | Carrying |  |  |
| Balance |  |  |  |  |$) ~$| Exposure |
| :---: | In addition to the individual review of larger commercial loans that exhibit probable or observed credit weaknesses, the commercial credit review process includes the use of two risk grading systems. The risk grading system currently utilized for allowance for credit loss analysis purposes encompasses ten categories. The Bancorp also maintains a dual risk rating system for credit approval and pricing, portfolio monitoring and capital allocation that includes a through-the-cycle rating philosophy for assessing a borrower s creditworthiness. A through-the-cycle rating philosophy uses a grading scale that assigns ratings based on average default rates through an entire business cycle for borrowers with similar financial performance. The dual risk rating system includes thirteen probabilities of default grade categories and an additional eleven grade categories for estimating losses given an event of default. The probability of default and loss given default evaluations are not separated in the ten-category risk rating system. The Bancorp has completed significant validation and testing of the dual risk rating system as a commercial credit risk management tool. The Bancorp is assessing the necessary modifications to the dual risk rating system outputs to develop a U.S. GAAP compliant ALLL model and will evaluate the use of modified dual risk ratings for purposes of determining the Bancorp s ALLL as part of the Bancorp s adoption of ASU 2016-13 Measurement of Credit Losses on Financial Instruments, which will be effective for the Bancorp on January 1, 2020. Scoring systems, various analytical tools and portfolio performance monitoring are used to assess the credit risk in the Bancorp s homogenous consumer and small business loan portfolios.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

## Overview

Inflationary expectations by market professionals continue to have an increased focus on wages, interest rates, input costs, tariffs, trade negotiations and foreign exchange. During September 2018, the FOMC enacted an additional 25 bp increase in the target rate for Federal Funds. The Federal Reserve median forecast for change in 2018 real GDP was again raised this quarter to $3.1 \%$. The Federal Reserve, in their minutes, continues to be concerned that tariffs could hurt the current economic recovery but are waiting to see evidence of any damage. Also concerning is the recent slowdown in homebuilding. Interest rates are expected to rise one more time in 2018 and multiple times during 2019, with no major downturns expected until 2021.

The Bancorp maintains a focus on commercial real estate exposure. Market data and vacancies remain positive. Competition for term loans on stabilized or near-stabilized assets has become increasingly more aggressive in terms of pricing, recourse and repayment structures, as banks seek to diversify away from construction. Construction costs continue to escalate and will likely be exacerbated by the impact of tariffs. The Bancorp is also monitoring potential increased risks in the Retail sector as a result of changes in distribution models with increasing levels of online purchasing and recent weakness in certain specialty retailers. However, the Bancorp is seeing an interesting trend in brick and mortar retailers called clicks to bricks. Mixed use retail centers are continuing to be developed and successfully leased up. The Bancorp has been focused on tenants that have multi-channel distribution and/or provide entertainment such as restaurants, cosmetic stores, fitness, grocery and drug. The Bancorp is now seeing retailers that originated as exclusively online distributers shift to bricks and mortar locations.

During the third quarter of 2018, the southeastern United States experienced a major hurricane impacting the eastern portions of the states of North Carolina and South Carolina. The Bancorp has limited credit exposure in the coastal regions of both states, however assistance was provided to customers that were negatively impacted. There is no expectation of any material net charge-offs as a result of the hurricane.

## Commercial Portfolio

The Bancorp s credit risk management strategy seeks to minimize concentrations of risk through diversification. The Bancorp has commercial loan concentration limits based on industry, lines of business within the commercial segment, geography and credit product type. The risk within the commercial loan and lease portfolio is managed and monitored through an underwriting process utilizing detailed origination policies, continuous loan level reviews, monitoring of industry concentration and product type limits and continuous portfolio risk management reporting.

The Bancorp provides loans to a variety of customers ranging from large multi-national firms to middle market businesses, sole proprietors and high net worth individuals. The origination policies for commercial and industrial loans outline the risks and underwriting requirements for loans to businesses in various industries. Included in the policies are maturity and amortization terms, collateral and leverage requirements, cash flow coverage measures and hold limits. The Bancorp aligns credit and sales teams with specific industry expertise to better monitor and manage different industry segments of the portfolio.

The origination policies for commercial real estate outline the risks and underwriting requirements for owner and nonowner-occupied and construction lending. Included in the policies are maturity and amortization terms, maximum LTVs, minimum debt service coverage ratios, construction loan monitoring procedures, appraisal requirements, pre-leasing requirements (as applicable), sensitivity and pro forma analysis requirements and interest rate sensitivity. The Bancorp requires a valuation of real estate collateral, which may include third-party appraisals, be performed at the time of origination and renewal in accordance with regulatory requirements and on an as-needed basis when market conditions justify. Although the Bancorp does not back test these collateral value assumptions, the Bancorp maintains an appraisal review department to order and review third-party appraisals in accordance with regulatory requirements. Collateral values on criticized assets with relationships exceeding $\$ 1$ million are reviewed quarterly to assess the appropriateness of the value ascribed in the assessment of charge-offs and specific reserves.

The Bancorp assesses all real estate and non-real estate collateral securing a loan and considers all cross-collateralized loans in the calculation of the LTV ratio. The following tables provide detail on the most recent LTV ratios for commercial mortgage loans greater than $\$ 1$ million, excluding impaired commercial mortgage loans individually evaluated. The Bancorp does not typically aggregate the LTV ratios for commercial mortgage loans less than $\$ 1$ million.

TABLE 32: Commercial Mortgage Loans Outstanding by LTV, Loans Greater Than $\$ 1$ Million

| As of September 30, 2018 (\$ in millions) | LTV $>100 \%$ | LTV 80-100\% | LTV $<80 \%$ |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Commercial mortgage owner-occupied loans | $\$$ | $\mathbf{1 2 0}$ | $\mathbf{1 6 3}$ | $\mathbf{2 , 1 7 5}$ |
| Commercial mortgage nonowner-occupied loans |  | $\mathbf{1 0}$ | $\mathbf{6 3}$ | $\mathbf{2 , 3 5 4}$ |
| Total | $\$$ | $\mathbf{1 3 0}$ | $\mathbf{2 2 6}$ | $\mathbf{4 , 5 2 9}$ |

TABLE 33: Commercial Mortgage Loans Outstanding by LTV, Loans Greater Than $\$ 1$ Million

| As of December 31, 2017 (\$ in millions) | LTV > 100\% | LTV 80-100\% | LTV $<80 \%$ |  |
| :--- | :---: | :---: | :---: | :---: |
| Commercial mortgage owner-occupied loans | $\$$ | 79 | 110 | 2,222 |
| Commercial mortgage nonowner-occupied loans |  | 14 | 169 | 2,208 |
| Total | $\$$ | 93 | 279 | 4,430 |

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

The following table provides detail on commercial loans and leases by industry classification (as defined by the North American Industry Classification System), by loan size and by state, illustrating the diversity and granularity of the Bancorp s commercial loans and leases as of:

TABLE 34: Commercial Loan and Lease Portfolio (excluding loans and leases held for sale)
September 30, 2018 December 31, 2017

| (\$ in millions) |  | Outstanding | Exposure | Nonaccrual | Outstanding | Exposure | Nonaccrual |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| By Industry: |  |  |  |  |  |  |  |
| Manufacturing | \$ | 10,160 | 19,518 | 63 | 10,044 | 18,948 | 74 |
| Real estate |  | 8,269 | 12,967 | 30 | 7,713 | 12,493 | 25 |
| Financial services and $\begin{array}{llllll}\text { insurance } & \mathbf{6 , 2 2 4} & \mathbf{1 2 , 6 9 9} & \mathbf{2} & 5,792 & 11,933\end{array}$ |  |  |  |  |  |  |  |
| Healthcare |  | 4,484 | 6,286 | 30 | 4,712 | 6,486 | 35 |
| Business services |  | 4,158 | 7,024 | 31 | 4,147 | 6,512 | 42 |
| Retail trade |  | 3,446 | 7,250 | 3 | 3,617 | 7,950 | 3 |
| Accommodation and food |  | 3,379 | 5,481 | 26 | 3,268 | 5,321 | 4 |
| Wholesale trade |  | 3,285 | 5,585 | 15 | 3,017 | 5,363 | 6 |
| Communication and information |  | 2,931 | 5,541 | . | 3,322 | 5,308 | - |
| Transportation and warehousing |  | 2,824 | 4,800 | 22 | 3,012 | 4,621 | 29 |
| Construction |  | 2,493 | 4,600 | 3 | 2,374 | 4,449 | 2 |
| Mining |  | 2,253 | 3,938 | 40 | 1,454 | 3,001 | 56 |
| Entertainment and recreation |  | 1,537 | 3,102 | 1 | 1,624 | 2,911 | 7 |
| Utilities |  | 855 | 2,499 | - | 869 | 2,333 | - |
| Other services |  | 814 | 1,045 | 10 | 714 | 1,017 | 16 |
| Public administration |  | 485 | 692 | - | 370 | 474 | - |
| Agribusiness |  | 254 | 425 | 2 | 304 | 478 | 2 |
| Individuals |  | 64 | 103 | - | 27 | 57 | - |
| Other |  | - | - | - | 15 | 15 | 4 |
| Total | \$ | 57,915 | 103,555 | 278 | 56,395 | 99,670 | 306 |

By Size:

| Less than $\$ 200,000$ | $\mathbf{1 \%}$ | $\mathbf{1}$ | $\mathbf{5}$ | 1 | 1 | 5 |
| :--- | :---: | ---: | ---: | ---: | ---: | ---: |
| $\$ 200,000-\$ 1$ million | $\mathbf{2}$ | $\mathbf{2}$ | $\mathbf{7}$ | 3 | 2 | 8 |
| $\$ 1$ million $-\$ 5$ million | $\mathbf{7}$ | $\mathbf{6}$ | $\mathbf{1 8}$ | 7 | 6 | 15 |
| $\$ 5$ million $-\$ 10$ million | $\mathbf{6}$ | $\mathbf{5}$ | $\mathbf{1 3}$ | 6 | 5 | 10 |
| $\$ 10$ million $-\$ 25$ million | $\mathbf{2 0}$ | $\mathbf{1 7}$ | $\mathbf{4 8}$ | 21 | 18 | 57 |
| Greater than $\$ 25$ million | $\mathbf{6 4}$ | $\mathbf{6 9}$ | $\mathbf{9}$ | 62 | 68 | 5 |
| Total | $\mathbf{1 0 0} \%$ | $\mathbf{1 0 0}$ | $\mathbf{1 0 0}$ | 100 | 100 | 100 |


| By State: |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ohio | 14 \% | 14 | 6 | 14 | 15 | 7 |
| Florida | 8 | 8 | 17 | 8 | 8 | 6 |
| Michigan | 7 | 7 | 8 | 7 | 7 | 13 |
| Illinois | 6 | 6 | 7 | 7 | 6 | 9 |
| Indiana | 4 | 4 | 9 | 4 | 4 | 3 |
| Georgia | 4 | 5 | 9 | 4 | 5 | 2 |
| North Carolina | 3 | 3 | 1 | 3 | 3 | 1 |
| Tennessee | 3 | 3 | - | 3 | 3 | 8 |
| Kentucky | 3 | 3 | 1 | 3 | 3 | 1 |
| Other | 48 | 47 | 42 | 47 | 46 | 50 |
| Total | 100 \% | 100 | 100 | 100 | 100 | 100 |

The Bancorp s nonowner-occupied commercial real estate portfolios have been identified by the Bancorp as loans which it believes represent a higher level of risk compared to the rest of the Bancorp s commercial loan portfolio due to economic or market conditions within the Bancorp s key lending areas.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

The following tables provide an analysis of nonowner-occupied commercial real estate loans by state (excluding loans held for sale):

TABLE 35: Nonowner-Occupied Commercial Real Estate (excluding loans held for sale) ${ }^{(a)}$

As of September 30, 2018 (\$ in
millions) September 30, 2018

|  | Outstanding |  | Exposure | 90 Days Past Due | crual | Three Months Ended | Nine Months Ended |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| By State: |  |  |  |  |  |  |  |
| Ohio | \$ | 1,641 | 2,079 | - | 1 | - | - |
| Florida |  | 1,000 | 1,578 | - | - | - | - |
| North Carolina |  | 739 | 985 | - | - | - | - |
| Illinois |  | 677 | 920 | - | - | - | - |
| Michigan |  | 604 | 725 | - | - | (1) | - |
| Indiana |  | 528 | 822 | - | - | - | - |
| All other states |  | 2,849 | 4,664 | - | 2 | - | 1 |
| Total | \$ | 8,038 | 11,773 | - | 3 | (1) | 1 |

(a) Included in commercial mortgage loans and commercial construction loans in the Loans and Leases subsection of the Balance Sheet Analysis section of MD\&A.

TABLE 36: Nonowner-Occupied Commercial Real Estate (excluding loans held for sale) ${ }^{(a)}$

As of September 30, 2017 (\$ in millions)

Net Charge-offs for

| millions) | Outstanding |  | Exposure | September 30, 2017 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 90 Days | Nine Months Three Months |  |  |
|  |  |  |  |  |  |  |
|  |  |  | Past Due | Nonaccrual | Ended | Ended |
| By State: |  |  |  |  |  |  |  |
| Ohio | \$ | 1,695 | 2,219 | - | 2 | - | 8 |
| Florida |  | 1,040 | 1,536 | - | 1 | - | - |
| North Carolina |  | 499 | 754 | - | - | - | - |
| Illinois |  | 755 | 1,042 | - | - | - | - |
| Michigan |  | 573 | 732 | - | 1 | - | - |
| Indiana |  | 611 | 973 | - | - | - | - |

All other states
Total
(a) Included in commercial mortgage loans
and commercial construction loans in the
the Balance Sheet Analysis section of $M D \& A$.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

## Consumer Portfolio

Consumer credit risk management utilizes a framework that encompasses consistent processes for identifying, assessing, managing, monitoring and reporting credit risk. These processes are supported by a credit risk governance structure that includes Board oversight, policies, risk limits and risk committees.

The Bancorp s consumer portfolio is materially comprised of five categories of loans: residential mortgage loans, home equity, automobile loans, credit card and other consumer loans. The Bancorp has identified certain credit characteristics within these five categories of loans which it believes represent a higher level of risk compared to the rest of the consumer loan portfolio. The Bancorp does not update LTV ratios for the consumer portfolio subsequent to origination except as part of the charge-off process for real estate secured loans. Among consumer portfolios, legacy underwritten residential mortgage and brokered home equity portfolios exhibited the most stress during the past credit crisis. As of September 30, 2018, consumer real estate loans, consisting of residential mortgage loans and home equity loans, originated from 2005 through 2008 represent approximately $12 \%$ of the consumer real estate portfolio. These loans accounted for $51 \%$ of total consumer real estate secured losses for the nine months ended September 30, 2018. Current loss rates in the residential mortgage and home equity portfolios are below pre-crisis levels. In addition to the consumer real estate portfolio, credit risk management continues to closely monitor the automobile portfolio performance. The automobile market has exhibited industry-wide gradual loosening of credit standards such as lower FICOs, longer terms and higher LTVs. The Bancorp has adjusted credit standards focused on improving risk-adjusted returns while maintaining credit risk tolerance. The Bancorp actively manages the automobile portfolio through concentration limits, which mitigates credit risk through limiting the exposure to lower FICO scores, higher advance rates and extended term originations.

## Residential mortgage portfolio

The Bancorp manages credit risk in the residential mortgage portfolio through underwriting guidelines that limit exposure to higher LTV ratios and lower FICO scores. Additionally, the portfolio is governed by concentration limits that ensure geographic, product and channel diversification. The Bancorp may also package and sell loans in the portfolio.

The Bancorp does not originate mortgage loans that permit customers to defer principal payments or make payments that are less than the accruing interest. The Bancorp originates both fixed-rate and ARM loans. Within the ARM portfolio, approximately $\$ 659$ million of ARM loans will have rate resets during the next twelve months. Of these resets, $99.5 \%$ are expected to experience an increase in rate, with an average increase of approximately one percent.

Certain residential mortgage products have contractual features that may increase credit exposure to the Bancorp in the event of a decline in housing values. These types of mortgage products offered by the Bancorp include loans with high LTV ratios, multiple loans on the same collateral that when combined result in a LTV greater than $80 \%$ and interest-only loans. The Bancorp has deemed residential mortgage loans with greater than $80 \%$ LTV ratios and no mortgage insurance as loans that represent a higher level of risk.

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Portfolio residential mortgage loans from 2010 and later vintages represented $92 \%$ of the portfolio as of September 30, 2018 and had a weighted-average LTV of $73 \%$ and a weighted-average origination FICO of 760.

The following table provides an analysis of the residential mortgage portfolio loans outstanding by LTV at origination as of:

TABLE 37: Residential Mortgage Portfolio Loans by LTV at Origination
September 30, 2018
December 31, 2017
Weighted-
Weighted-

| $(\$$ in millions) | Outstanding | Average LTV | Outstanding | Average LTV |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| LTV $£ 80 \%$ | $\$$ | $\mathbf{1 1 , 6 2 9}$ | $\mathbf{6 6 . 7} \%$ | $\$$ | 11,767 | $66.4 \%$ |
| LTV $>80 \%$, with mortgage insurance ${ }^{(a)}$ |  | $\mathbf{1 , 9 9 9}$ | $\mathbf{9 5 . 1}$ | 1,890 | 94.8 |  |
| LTV $>80 \%$, no mortgage insurance |  | $\mathbf{1 , 9 5 7}$ | $\mathbf{9 4 . 4}$ | 1,934 | 94.7 |  |
| Total | $\$$ | $\mathbf{1 5 , 5 8 5}$ | $\mathbf{7 4 . 2} \%$ | $\$$ | 15,591 | $73.7 \%$ |

(a) Includes loans with both borrower and lender paid mortgage insurance.

The following tables provide an analysis of the residential mortgage portfolio loans outstanding with a greater than $80 \%$ LTV ratio and no mortgage insurance:

TABLE 38: Residential Mortgage Portfolio Loans, LTV Greater than $\mathbf{8 0 \%}$, No Mortgage Insurance
As of September 30, 2018 (\$ in millions)

|  | Outstanding |  | 90 Days |  | Three Months Nine Months |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Past Due | Nonaccrual | Ended | Ended |
| By State: |  |  |  |  |  |  |
| Ohio | \$ | 439 | 2 | 3 | - | - |
| Illinois |  | 395 | - | 2 | - | - |
| Florida |  | 286 | 1 | 2 | - | - |
| Michigan |  | 219 | 1 | 1 | - | - |
| Indiana |  | 145 | 1 | - | - | - |
| North Carolina |  | 91 | - | 1 | - | - |
| Kentucky |  | 80 | - | - | - | - |
| All other states |  | 302 | 2 | 1 | - | 1 |
| Total | \$ | 1,957 | 7 | 10 | - | 1 |

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

TABLE 39: Residential Mortgage Portfolio Loans, LTV Greater than $\mathbf{8 0 \%}$, No Mortgage Insurance
As of September 30, 2017 (\$
in millions) Net Charge-offs for September 30, 2017

|  | Outstanding | 90 Days <br> Past Due | Nonaccrual | Three Months <br> Ended | Nine Months <br> Ended |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| By State: | $\$$ | 443 |  | 4 | 3 | - | 1 |
| Ohio | 380 | - | 2 | - | - |  |  |
| Illinois | 288 | 1 | 2 | - | - |  |  |
| Florida | 228 | 1 | 1 | - | - |  |  |
| Michigan | 138 | 1 | 1 | - | - |  |  |
| Indiana | 87 | - | 1 | - | - |  |  |
| North Carolina | 74 | 1 | - | - | - |  |  |
| Kentucky | 295 | 3 | 2 | - | - |  |  |
| All other states | 1,933 | 11 | 12 | - | 2 |  |  |
| Total |  |  |  |  | - |  |  |
| Home equity portfolio | $\$$ |  |  |  |  | - |  |

The Bancorp s home equity portfolio is primarily comprised of home equity lines of credit. Beginning in the first quarter of 2013, the Bancorp s newly originated home equity lines of credit have a 10 -year interest-only draw period followed by a 20 -year amortization period. The home equity line of credit previously offered by the Bancorp was a revolving facility with a 20 -year term, minimum payments of interest-only and a balloon payment of principal at maturity. Peak maturity years for the balloon home equity lines of credit are 2025 to 2028 and approximately $26 \%$ of the balances mature before 2025 .

The ALLL provides coverage for probable and estimable losses in the home equity portfolio. The allowance attributable to the portion of the home equity portfolio that has not been restructured in a TDR is calculated on a pooled basis with senior lien and junior lien categories segmented in the determination of the probable credit losses in the home equity portfolio. The modeled loss factor for the home equity portfolio is based on the trailing twelve month historical loss rate for each category, as adjusted for certain prescriptive loss rate factors and certain qualitative adjustment factors to reflect risks associated with current conditions and trends. The prescriptive loss rate factors include adjustments for delinquency trends, LTV trends and refreshed FICO score trends. The qualitative factors include adjustments for changes in policies or procedures in underwriting, monitoring or collections, economic conditions, portfolio mix, lending and risk management personnel, results of internal audit and quality control reviews, collateral values and geographic concentrations. The Bancorp considers home price index trends when determining the collateral value qualitative factor.

The home equity portfolio is managed in two primary groups: loans outstanding with a combined LTV greater than $80 \%$ and those loans with a LTV of $80 \%$ or less based upon appraisals at origination. For additional information on these loans, refer to Table 41 and Table 42 . Of the total $\$ 6.5$ billion of outstanding home equity loans:
$89 \%$ reside within the Bancorp s Midwest footprint of Ohio, Michigan, Kentucky, Indiana and Illinois as of September 30, 2018;

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$37 \%$ are in senior lien positions and $63 \%$ are in junior lien positions at September 30, 2018;
$81 \%$ of non-delinquent borrowers made at least one payment greater than the minimum payment during the three months ended September 30, 2018; and
The portfolio had an average refreshed FICO score of 745 at September 30, 2018.
The Bancorp actively manages lines of credit and makes adjustments in lending limits when it believes it is necessary based on FICO score deterioration and property devaluation. The Bancorp does not routinely obtain appraisals on performing loans to update LTV ratios after origination. However, the Bancorp monitors the local housing markets by reviewing various home price indices and incorporates the impact of the changing market conditions in its ongoing credit monitoring processes. For junior lien home equity loans which become 60 days or more past due, the Bancorp tracks the performance of the senior lien loans in which the Bancorp is the servicer and utilizes consumer credit bureau attributes to monitor the status of the senior lien loans that the Bancorp does not service. If the senior lien loan is found to be 120 days or more past due, the junior lien home equity loan is placed on nonaccrual status unless both loans are well-secured and in the process of collection. Additionally, if the junior lien home equity loan becomes 120 days or more past due and the senior lien loan is also 120 days or more past due, the junior lien home equity loan is assessed for charge-off. Refer to the Analysis of Nonperforming Assets subsection of the Risk Management section of MD\&A for more information.

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The following table provides an analysis of home equity portfolio loans outstanding disaggregated based upon refreshed FICO score as of:

TABLE 40: Home Equity Portfolio Loans Outstanding by Refreshed FICO Score September 30, 2018

| (\$ in millions) | Outstanding \% of Total |  |  | Outstanding |  | \% of Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Senior Liens: |  |  |  |  |  |  |
| FICO $£ 659$ | \$ | 230 | 4 \% | \$ | 246 | $4 \%$ |
| FICO 660-719 |  | 329 | 5 |  | 358 | 5 |
| FICO ${ }^{3} 720$ |  | 1,809 | 28 |  | 1,976 | 28 |
| Total senior liens |  | 2,368 | 37 |  | 2,580 | 37 |
| Junior Liens: |  |  |  |  |  |  |
| FICO £ 659 |  | 488 | 7 |  | 541 | 8 |
| FICO 660-719 |  | 781 | 12 |  | 853 | 12 |
| FICO ${ }^{3} 720$ |  | 2,848 | 44 |  | 3,040 | 43 |
| Total junior liens |  | 4,117 | 63 |  | 4,434 | 63 |
| Total | \$ | 6,485 | 100 \% | \$ | 7,014 | $100 \%$ |

The Bancorp believes that home equity portfolio loans with a greater than $80 \%$ combined LTV ratio present a higher level of risk. The following table provides an analysis of the home equity portfolio loans outstanding in a senior and junior lien position by LTV at origination:

## TABLE 41: Home Equity Portfolio Loans Outstanding by LTV at Origination

September 30, 2018
Weighted-

| (\$ in millions) | Outstanding | Average LTV | Outstanding | Average LTV |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Senior Liens: |  |  |  |  |  |
| LTV $£ 80 \%$ | $\mathbf{2 , 0 6 6}$ | $\mathbf{5 4 . 6} \%$ | 2,266 | $54.9 \%$ |  |
| LTV > 80\% | $\mathbf{3 0 2}$ | $\mathbf{8 8 . 9}$ | 314 | 88.9 |  |
| Total senior liens |  | $\mathbf{2 , 3 6 8}$ | $\mathbf{5 9 . 2}$ | 2,580 | 59.3 |
| Junior Liens: |  |  |  |  |  |
| LTV $£ 80 \%$ | $\mathbf{2 , 3 9 6}$ | $\mathbf{6 7 . 3}$ | 2,603 | 67.5 |  |
| LTV > 80\% | $\mathbf{1 , 7 2 1}$ | $\mathbf{9 0 . 2}$ | 1,831 | 90.4 |  |
| Total junior liens |  | $\mathbf{4 , 1 1 7}$ | $\mathbf{7 8 . 1}$ | 4,434 | 78.3 |
| Total | $\mathbf{6 , 4 8 5}$ | $\mathbf{7 0 . 9} \%$ | $\$$ | 7,014 | $70.9 \%$ |

The following tables provide an analysis of home equity portfolio loans by state with a combined LTV greater than 80\%:

TABLE 42: Home Equity Portfolio Loans Outstanding with a LTV Greater than $\mathbf{8 0 \%}$

As of September 30, 2018 (\$ in millions)
Net Charge-offs for September 30, 2018

|  | 90 DaysOutstandinExposure Past Dưonaccrual |  |  |  |  | Three Months Ended | Nine Months Ended |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| By State: |  |  |  |  |  |  |  |
| Ohio | \$ | 1,052 | 2,050 | - | 9 | - | 2 |
| Michigan |  | 311 | 511 |  | 5 | - | 1 |
| Illinois |  | 207 | 331 | - | 4 | 1 | 2 |
| Indiana |  | 138 | 239 | - | 3 | - | - |
| Kentucky |  | 123 | 233 | - | 2 | - | - |
| Florida |  | 62 | 90 | - | 2 | - | - |
| All other states |  | 130 | 196 | - | 3 | - | - |
| Total | \$ | 2,023 | 3,650 | - | 28 | 1 | 5 |

TABLE 43: Home Equity Portfolio Loans Outstanding with a LTV Greater than $\mathbf{8 0 \%}$

As of September 30, 2017 (\$ in millions)
Net Charge-offs for September 30, 2017
90 Days Three Months Nine Months OutstandingExposure Past Dư̊onaccrual Ended Ended

| By State: | $\$$ | 1,040 | 1,908 | - | 7 | 1 | 3 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Ohio |  | 375 | 590 | - | 5 | - | 1 |
| Michigan |  | 236 | 366 | - | 4 | 1 | 2 |
| Illinois | 162 | 273 | - | 3 | - | 1 |  |
| Indiana |  | 149 | 266 | - | 2 | - | 1 |
| Kentucky | 70 | 100 | - | 2 | - | - |  |
| Florida |  | 154 | 225 | - | 3 | - | - |
| All other states | $\$$ | 2,186 | 3,728 | - | 26 | 2 | 8 |
| Total |  |  |  |  |  |  |  |

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## Automobile portfolio

The Bancorp s automobile portfolio balances have declined since December 31, 2017 as payoffs exceeded new loan production due to a strategic shift focusing on improving risk-adjusted returns. Additionally, the concentration of lower FICO ( $£ 690$ ) origination balances remained within targeted credit risk tolerance during the nine months ended September 30, 2018. All concentration and guideline changes are monitored monthly to ensure alignment with original credit performance and return projections.

The following table provides an analysis of automobile portfolio loans outstanding disaggregated based upon FICO score as of:

TABLE 44: Automobile Portfolio Loans Outstanding by FICO Score at Origination September 30, 2018

| (\$ in millions) | Outstanding $\%$ of Total |  | Outstanding $\%$ of Total |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| FICO $£ 690$ | $\$$ | $\mathbf{1 , 6 2 1}$ | $\mathbf{1 8} \%$ | $\$$ | 1,563 | $17 \%$ |
| FICO $>690$ |  | $\mathbf{7 , 3 8 1}$ | $\mathbf{8 2}$ |  | 7,549 | 83 |
| Total | $\$$ | $\mathbf{9 , 0 0 2}$ | $\mathbf{1 0 0} \%$ | $\$$ | 9,112 | $100 \%$ |

The automobile portfolio is characterized by direct and indirect lending products to consumers. As of September 30, $2018,44 \%$ of the automobile loan portfolio is comprised of loans collateralized by new automobiles. It is a common industry practice to advance on automobile loans an amount in excess of the automobile value due to the inclusion of negative equity trade-in, maintenance/warranty products, taxes, title and other fees paid at closing. The Bancorp monitors its exposure to these higher risk loans.

The following table provides an analysis of automobile portfolio loans outstanding by LTV at origination as of:

TABLE 45: Automobile Portfolio Loans Outstanding by LTV at Origination

September 30, 2018
December 31, 2017
$\left.\begin{array}{lccccc} & & & & & \text { Weighted- } \\ & & & \\ & \text { Weighted- }\end{array}\right)$

The following table provides an analysis of the Bancorp s automobile portfolio loans with a LTV at origination greater than 100\%:

TABLE 46: Automobile Portfolio Loans Outstanding with a LTV Greater than $\mathbf{1 0 0 \%}$
As of (\$ in millions)
Net Charge-offs for the

|  | Outstanding |  | 0 Days Past Due <br> and | Three Monilme Months |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Accruing | Nonaccrual | Ended | Ended |
| September 30, 2018 | \$ | 3,389 | 6 | 1 | 6 | 19 |
| September 30, 2017 |  | 3,287 | 5 | 1 | 5 | 17 |
| Credit card portfolio |  |  |  |  |  |  |

The credit card portfolio consists of predominately prime accounts with $97 \%$ of loan balances existing within the Bancorp s footprint as of both September 30, 2018 and December 31, 2017. At September 30, 2018 and December 31, $2017,72 \%$ and $76 \%$, respectively, of the outstanding balances were originated through branch-based relationships with the remainder coming from direct mail campaigns and online acquisitions.

The following table provides an analysis of credit card portfolio loans outstanding disaggregated based upon FICO score as of:

TABLE 47: Credit Card Portfolio Loans Outstanding by FICO Score at Origination
December 31, 2017
September 30, 2018

| (\$ in millions) | Outstanding \% of Total |  |  | Outstanding \% of Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FICO £ 659 | \$ | 72 | $3 \%$ | \$ | 61 | $3 \%$ |
| FICO 660-719 |  | 644 | 28 |  | 581 | 25 |
| FICO $^{3} 720$ |  | 1,609 | 69 |  | 1,657 | 72 |
| Total | \$ | 2,325 | 100 \% | \$ | 2,299 | 100 \% |

Other consumer portfolio loans
The other consumer portfolio loans are comprised of secured and unsecured loans originated through the Bancorp s branch network as well as point-of-sale loans originated in connection with third-party financial technology companies. Outstanding balances for other consumer loans increased approximately $\$ 572$ million, or $37 \%$, from December 31, 2017 primarily due to an increase in originations in connection with third-party financial technology companies. Additionally, the Bancorp has approximately $\$ 337$ million in unfunded commitments associated with loans originated in connection with third-party financial technology companies as of September 30, 2018. Fifth Third closely monitors the credit performance of these point-of-sale loans which, for Fifth Third, is impacted by the credit loss protection coverage provided by the third-party financial technology companies.

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The following table provides an analysis of other consumer portfolio loans outstanding by product type at origination as of:

TABLE 48: Other Consumer Portfolio Loans Outstanding by Product Type at Origination September 30, 2018

December 31, 2017

| (\$ in millions) |  | Outstanding | $\%$ of Total |  | Outstanding |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Unsecured | of Total |  |  |  |  |  |
| Other secured | $\mathbf{5 5 4}$ | $\mathbf{2 6} \%$ | $\$$ | 461 | $30 \%$ |  |
| Point-of-sale |  | $\mathbf{4 9 2}$ | $\mathbf{2 3}$ | 482 | 31 |  |
| Total |  | $\mathbf{1 , 0 8 5}$ | $\mathbf{5 1}$ | 616 | 39 |  |

Analysis of Nonperforming Assets
Nonperforming assets include nonaccrual loans and leases for which ultimate collectability of the full amount of the principal and/or interest is uncertain; restructured commercial and credit card loans which have not yet met the requirements to be classified as a performing asset; restructured consumer loans which are 90 days past due based on the restructured terms unless the loan is both well-secured and in the process of collection; and certain other assets, including OREO and other repossessed property. A summary of nonperforming assets is included in Table 49. For further information on the Bancorp s policies related to accounting for delinquent and nonperforming loans and leases, refer to the Nonaccrual Loans and Leases section of Note 1 of the Notes to Consolidated Financial Statements included in the Bancorp s Annual Report on Form 10-K for the year ended December 31, 2017.

Nonperforming assets were $\$ 483$ million at September 30, 2018 compared to $\$ 495$ million at December 31, 2017. At September 30, 2018, $\$ 35$ million of nonaccrual loans were held for sale, compared to $\$ 6$ million at December 31, 2017.

Nonperforming portfolio assets as a percent of portfolio loans and leases and OREO were $0.48 \%$ as of September 30, 2018 compared to $0.53 \%$ as of December 31, 2017. Nonaccrual loans and leases secured by real estate were $28 \%$ of nonaccrual loans and leases as of September 30, 2018 compared to $33 \%$ as of December 31, 2017.

Commercial portfolio nonaccrual loans and leases were $\$ 278$ million at September 30, 2018, a decrease of $\$ 28$ million from December 31, 2017. Consumer portfolio nonaccrual loans and leases were $\$ 125$ million at September 30, 2018, a decrease of $\$ 6$ million from December 31, 2017. Refer to Tables 50 and 51 for rollforwards of the portfolio nonaccrual loans and leases.

OREO and other repossessed property was $\$ 45$ million at September 30, 2018, compared to $\$ 52$ million at December 31, 2017. The Bancorp recognized $\$ 2$ million and $\$ 3$ million in losses on the transfer, sale or write-down of OREO properties for the three months ended September 30, 2018 and 2017, respectively, and $\$ 6$ million and $\$ 8$ million in losses on the transfer, sale or write-down of OREO properties for the nine months ended September 30,

2018 and 2017, respectively.
For the three and nine months ended September 30, 2018, approximately $\$ 9$ million and $\$ 24$ million, respectively, of interest income would have been recognized if the nonaccrual and renegotiated loans and leases on nonaccrual status had been current in accordance with their original terms. For the three and nine months ended September 30, 2017 approximately $\$ 9$ million and $\$ 28$ million, respectively, of interest income would have been recognized. Although these values help demonstrate the costs of carrying nonaccrual credits, the Bancorp does not expect to recover the full amount of interest as nonaccrual loans and leases are generally carried below their principal balance.

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TABLE 49: Summary of Nonperforming Assets and Delinquent Loans
As of (\$ in millions)
Nonaccrual portfolio loans and leases:
$\begin{array}{llll}\text { Commercial and industrial loans } & \$ 144\end{array}$
$\begin{array}{lll}\text { Commercial mortgage loans } & \mathbf{7} & 12\end{array}$
Commercial leases 22 -
$\begin{array}{lll}\text { Residential mortgage loans }{ }^{(a)} & \mathbf{1 1} & 17\end{array}$
Home equity $\quad 58 \quad 56$
Automobile loans
Other consumer loans
$\begin{array}{lll}\text { Nonaccrual portfolio restructured loans and leases: } & & 132 \\ \text { Commercial and industrial loans } & \mathbf{1 7 1} & 132\end{array}$
$\begin{array}{lll}\text { Commercial mortgage loans } & 5 & 14\end{array}$
$\begin{array}{lll}\text { Commercial leases } & 4\end{array}$
$\begin{array}{lll}\text { Residential mortgage loans } \\ \\ (a) & \mathbf{1 2} & 13\end{array}$
$\begin{array}{lll}\text { Home equity } & \mathbf{1 6} & 18\end{array}$
$\begin{array}{lll}\text { Automobile loans } & \mathbf{1} & 1\end{array}$
$\begin{array}{lrl}\text { Credit card } & 26 & 26\end{array}$
Total nonaccrual portfolio loans and leases ${ }^{(b)} \quad 403 \quad 437$
OREO and other repossessed property 45

| Total nonperforming portfolio assets | 448 |
| :--- | :--- |

Nonaccrual loans held for sale 18
Nonaccrual restructured loans held for sale $\quad 17 \quad 1$
Total nonperforming assets 483
\$ 495

| Total portfolio loans 90 days past due and still accruing |  |  |  |
| :--- | ---: | ---: | :---: |
| Commercial and industrial loans | $\mathbf{3}$ | $\mathbf{3}$ | 3 |
| Commercial mortgage loans | $\mathbf{1}$ | - |  |
| Residential mortgage loans ${ }^{(a)}$ | $\mathbf{4 0}$ | 57 |  |
| Automobile loans | $\mathbf{1 1}$ | 10 |  |
| Credit card | $\mathbf{3 2}$ | 27 |  |
| Total portfolio loans 90 days past due and still accruing | $\mathbf{\$}$ | $\mathbf{8 7}$ | 97 |

Nonperforming portfolio assets as a percent of portfolio loans and leases and OREO
0.48\%
0.53

ALLL as a percent of nonperforming portfolio assets $243 \quad 245$
(a) Information for all periods presented excludes advances made pursuant to servicing agreements for GNMA mortgage pools whose repayments are insured by the FHA or guaranteed by the VA. These advances were $\$ 198$ as of September 30, 2018 and $\$ 290$ as of December 31, 2017. The Bancorp recognized losses of $\$ 1$ and $\$ 4$ for both the three and nine months ended September 30, 2018 and 2017, respectively, due to claim denials and curtailments associated with these insured or guaranteed loans.
(b) Includes $\$ 4$ and $\$ 3$ of nonaccrual government insured commercial loans whose repayments are insured by the SBA at September 30, 2018 and December 31, 2017, respectively, of which $\$ 2$ and $\$ 3$ were restructured
nonaccrual government insured commercial loans at September 30, 2018 and December 31, 2017, respectively. The following tables provide a rollforward of portfolio nonaccrual loans and leases, by portfolio segment:

## TABLE 50: Rollforward of Portfolio Nonaccrual Loans and Leases



TABLE 51: Rollforward of Portfolio Nonaccrual Loans and Leases

|  | Residential |  |  |  |
| :--- | ---: | :---: | ---: | :---: |
| For the nine months ended September 30, 2017 <br> (\$ in millions) | Commercial | Mortgage | Consumer | Total |
| Balance, beginning of period | $\$$ | 523 | 34 | 103 |
| Transfers to nonaccrual status | 249 | 38 | 660 |  |
| Transfers to accrual status | $(59)$ | $(21)$ | $(38)$ | $(118)$ |
| Transfers to held for sale | $(20)$ | - | - | $(20)$ |
| Loan paydowns/payoffs | $(223)$ | $(8)$ | $(22)$ | $(253)$ |
| Transfers to OREO | $(2)$ | $(9)$ | $(5)$ | $(16)$ |
| Charge-offs | $(120)$ | $(3)$ | $(29)$ | $(152)$ |
| Draws/other extensions of credit | 25 | - | - | 25 |
| Balance, end of period | 373 | 31 | 102 | 506 |

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## Troubled Debt Restructurings

If a borrower is experiencing financial difficulty, the Bancorp may consider, in certain circumstances, modifying the terms of their loan to maximize collection of amounts due. Typically, these modifications reduce the loan interest rate, extend the loan term, reduce the accrued interest or in limited circumstances, reduce the principal balance of the loan. These modifications are classified as TDRs.

At the time of modification, the Bancorp maintains certain consumer loan TDRs (including residential mortgage loans, home equity loans, and other consumer loans) on accrual status, provided there is reasonable assurance of repayment and performance according to the modified terms based upon a current, well-documented credit evaluation. Commercial loans modified as part of a TDR are maintained on accrual status provided there is a sustained payment history of six months or greater prior to the modification in accordance with the modified terms and all remaining contractual payments under the modified terms are reasonably assured of collection. TDRs of commercial loans and credit card loans that do not have a sustained payment history of six months or greater in accordance with the modified terms remain on nonaccrual status until a six-month payment history is sustained.

Consumer restructured loans on accrual status totaled $\$ 987$ million and $\$ 927$ million at September 30, 2018 and December 31, 2017, respectively. As of September 30, 2018, the percent of restructured residential mortgage loans, home equity loans and credit card loans that were past due 30 days or more from their modified terms were $24 \%, 12 \%$ and $38 \%$, respectively.

The following tables summarize portfolio TDRs by loan type and delinquency status:

TABLE 52: Accruing and Nonaccruing Portfolio TDRs

| As of September 30, 2018 (\$ in millions) | Accruing |  |  |  | Nonaccruing | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Current |  | 30-89 Days | 90 Days or <br> More Past Due |  |  |
| Commercial loans ${ }^{(b)}$ As, | \$ | 80 | Past Due | More Past Due | Nonaccruing | Total |
| Residential mortgage loans ${ }^{(a)}$ |  | 578 | 49 | 118 | 12 | 757 |
| Home equity |  | 208 | 12 | - | 16 | 236 |
| Automobile loans |  | 5 | - | - | 1 | 6 |
| Credit card |  | 14 | 3 | - | 26 | 43 |
| Total | \$ | 885 | 64 | 118 | 235 | 1,302 |

(a) Information includes advances made pursuant to servicing agreements for GNMA mortgage pools whose repayments are insured by the FHA or guaranteed by the VA. As of September 30, 2018, these advances represented $\$ \mathbf{3 4 5}$ of current loans, $\$ 39$ of 30-89 days past due loans and $\$ 99$ of 90 days or more past due loans.
(b) Excludes restructured nonaccrual loans held for sale.

## TABLE 53: Accruing and Nonaccruing Portfolio TDRs

| As of December 31, 2017 (\$ in millions) | Current |  | Accruing |  | Nonaccruing | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 30-89 Days Past Due | 90 Days or More Past Due |  |  |
| Commercial loans ${ }^{(b)}$ | \$ | 249 | - | - | 150 | 399 |
| Residential mortgage loans ${ }^{(a)}$ |  | 478 | 52 | 122 | 13 | 665 |
| Home equity |  | 236 | 12 | - | 18 | 266 |
| Automobile loans |  | 8 | - | - | 1 | 9 |
| Credit card |  | 16 | 3 | - | 26 | 45 |
| Total | \$ | 987 | 67 | 122 | 208 | 1,384 |

(a) Information includes advances made pursuant to servicing agreements for GNMA mortgage pools whose repayments are insured by the FHA or guaranteed by the VA. As of December 31, 2017, these advances represented $\$ 282$ of current loans, $\$ 40$ of $30-89$ days past due loans and $\$ 108$ of 90 days or more past due loans.
(b) Excludes restructured nonaccrual loans held for sale.

## Analysis of Net Loan Charge-offs

Net charge-offs were 30 bps and 29 bps of average portfolio loans and leases for the three months ended September 30, 2018 and 2017, respectively, and were 36 bps and 32 bps of average portfolio loans and leases for the nine months ended September 30, 2018 and 2017, respectively. Table 54 provides a summary of credit loss experience and net charge-offs as a percent of average portfolio loans and leases outstanding by loan category.

The ratio of commercial loan and lease net charge-offs to average portfolio commercial loans and leases was 19 bps and 24 bps during the three and nine months ended September 30, 2018, respectively, compared to 21 bps and 22 bps during the three and nine months ended September 30, 2017, respectively.

The ratio of consumer loan net charge-offs to average portfolio consumer loans was 50 bps and 54 bps during the three and nine months ended September 30, 2018, respectively, compared to 43 bps and 48 bps for the three and nine months ended September 30, 2017, respectively. The increases for both the three and nine months ended September 30, 2018 were primarily due to increases in net charge-offs on other consumer loans of $\$ 2$ million and $\$ 9$ million, respectively, and increases in net charge-offs on credit card of $\$ 1$ million and $\$ 8$ million, respectively, as a result of growth in unsecured loans.

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TABLE 54: Summary of Credit Loss Experience

| (\$ in millions) | For the three months endedFor the nine months ended September 30, <br> September 30, |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Losses charged-off: |  |  |  |  |  |
| Commercial and industrial loans | \$ | (36) | (30) | (119) | (102) |
| Commercial mortgage loans |  | - | (3) | (5) | (15) |
| Commercial leases |  | - | - | - | (2) |
| Residential mortgage loans |  | (3) | (2) | (10) | (12) |
| Home equity |  | (6) | (6) | (17) | (24) |
| Automobile loans |  | (15) | (13) | (45) | (42) |
| Credit card |  | (33) | (23) | (91) | (71) |
| Other consumer loans ${ }^{(a)}$ |  | (19) | (8) | (47) | (19) |
| Total losses charged-off | \$ | (112) | (85) | (334) | (287) |
| Recoveries of losses previously charged-off: |  |  |  |  |  |
| Commercial and industrial loans | \$ | 8 | 3 | 17 | 23 |
| Commercial mortgage loans |  | 1 | - | 2 | 2 |
| Residential mortgage loans |  | 1 | 3 | 4 | 7 |
| Home equity |  | 3 | 3 | 8 | 10 |
| Automobile loans |  | 6 | 5 | 17 | 16 |
| Credit card |  | 12 | 3 | 19 | 7 |
| Other consumer loans ${ }^{(a)}$ |  | 9 | - | 20 | 1 |
| Total recoveries of losses previously charged-off | \$ | 40 | 17 | 87 | 66 |
| Net losses charged-off: |  |  |  |  |  |
| Commercial and industrial loans | \$ | (28) | (27) | (102) | (79) |
| Commercial mortgage loans |  | 1 | (3) | (3) | (13) |
| Commercial leases |  | - | - | - | (2) |
| Residential mortgage loans |  | (2) | 1 | (6) | (5) |
| Home equity |  | (3) | (3) | (9) | (14) |
| Automobile loans |  | (9) | (8) | (28) | (26) |
| Credit card |  | (21) | (20) | (72) | (64) |
| Other consumer loans |  | (10) | (8) | (27) | (18) |
| Total net losses charged-off | \$ | (72) | (68) | (247) | (221) |

Net losses charged-off as a percent of average portfolio loans and leases:

| Commercial and industrial loans | 0.26 \% | 0.26 | 0.32 | 0.26 |
| :---: | :---: | :---: | :---: | :---: |
| Commercial mortgage loans | (0.03) | 0.16 | 0.05 | 0.26 |
| Commercial leases | - | 0.01 | - | 0.05 |
| Total commercial loans and leases | 0.19 \% | 0.21 | 0.24 | 0.22 |
| Residential mortgage loans | 0.04 | (0.02) | 0.05 | 0.05 |
| Home equity | 0.16 | 0.18 | 0.18 | 0.26 |
| Automobile loans | 0.41 | 0.35 | 0.41 | 0.37 |
| Credit card | 3.53 | 3.75 | 4.29 | 4.00 |
| Other consumer loans | 1.94 | 2.80 | 1.98 | 2.66 |
| Total consumer loans | 0.50 \% | 0.43 | 0.54 | 0.48 |
| Total net losses charged-off as a percent of average portfolio loans and leases | 0.30 \% | 0.29 | 0.36 | 0.32 |

(a) For the three and nine months ended September 30, 2018, the Bancorp recorded $\$ 8$ and $\$ 18$, respectively, in both losses charged-off and recoveries of losses charged-off related to customer defaults on point-of-sale loans for which the Bancorp obtained recoveries under third-party credit enhancements.

## Allowance for Credit Losses

The allowance for credit losses is comprised of the ALLL and the reserve for unfunded commitments. The ALLL provides coverage for probable and estimable losses in the loan and lease portfolio. The Bancorp evaluates the ALLL each quarter to determine its adequacy to cover inherent losses. Several factors are taken into consideration in the determination of the overall ALLL, including an unallocated component. These factors include, but are not limited to, the overall risk profile of the loan and lease portfolios, net charge-off experience, the extent of impaired loans and leases, the level of nonaccrual loans and leases, the level of 90 days past due loans and leases and the overall level of the ALLL as a percent of portfolio loans and leases. The Bancorp also considers overall asset quality trends, credit administration and portfolio management practices, risk identification practices, credit policy and underwriting practices, overall portfolio growth, portfolio concentrations and current economic conditions that might impact the portfolio. More information on the ALLL can be found in the Critical Accounting Policies section of the Bancorp s Annual Report on Form 10-K for the year ended December 31, 2017.

During the three months ended September 30, 2018, the Bancorp did not substantively change any material aspect of its overall approach in the determination of the ALLL and there have been no material changes in assumptions or estimation techniques as compared to prior periods that impacted the determination of the current period allowance. In addition to the ALLL, the Bancorp maintains a reserve for unfunded commitments recorded in other liabilities in the Condensed Consolidated Balance Sheets. The methodology used to determine the adequacy of this reserve is similar to the Bancorp s methodology for determining the ALLL. The provision for unfunded commitments is included in other noninterest expense in the Condensed Consolidated Statements of Income.

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The ALLL attributable to the portion of the residential mortgage and consumer loan and lease portfolio that has not been restructured is determined on a pooled basis with the segmentation based on the similarity of credit risk characteristics. Loss factors for consumer loans are developed for each pool based on the trailing twelve month historical loss rate, as adjusted for certain prescriptive loss rate factors and certain qualitative adjustment factors. The prescriptive loss rate factors and qualitative adjustments are designed to reflect risks associated with current conditions and trends which are not believed to be fully reflected in the trailing twelve month historical loss rate. For real estate backed consumer loans, the prescriptive loss rate factors include adjustments for delinquency trends, LTV trends, refreshed FICO score trends and product mix, and the qualitative factors include adjustments for changes in policies or procedures in underwriting, monitoring or collections, economic conditions, portfolio mix, lending and risk management personnel, results of internal audit and quality control reviews, collateral values and geographic concentrations. The Bancorp considers home price index trends in its footprint and the volatility of collateral valuation trends when determining the collateral value qualitative factor.

The Bancorp s determination of the ALLL for commercial loans is sensitive to the risk grades it assigns to these loans. In the event that $10 \%$ of commercial loans in each risk category would experience a downgrade of one risk category, the allowance for commercial loans would increase by approximately $\$ 161$ million at September 30, 2018. In addition, the Bancorp s determination of the ALLL for residential mortgage loans and consumer loans is sensitive to changes in estimated loss rates. In the event that estimated loss rates would increase by $10 \%$, the ALLL for residential mortgage loans and consumer loans would increase by approximately $\$ 33$ million at September 30, 2018. As several qualitative and quantitative factors are considered in determining the ALLL, these sensitivity analyses do not necessarily reflect the nature and extent of future changes in the ALLL. They are intended to provide insights into the impact of adverse changes to risk grades and estimated loss rates and do not imply any expectation of future deterioration in the risk ratings or loss rates. Given current processes employed by the Bancorp, management believes the risk grades and estimated loss rates currently assigned are appropriate.

## TABLE 55: Changes in Allowance for Credit Losses

| (\$ in millions) | For the three months ended For the nine months ended September 30, September 30, |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 2018 | 2017 | 2018 | 2017 |
| ALLL: |  |  |  |  |  |
| Balance, beginning of period | \$ | 1,077 | 1,226 | 1,196 | 1,253 |
| Losses charged-off ${ }^{(a)}$ |  | (112) | (85) | (334) | (287) |
| Recoveries of losses previously charged-off ${ }^{(a)}$ |  | 40 | 17 | 87 | 66 |
| Provision for loan and lease losses |  | 86 | 67 | 142 | 193 |
| Deconsolidation of a $\mathrm{VIE}^{(b)}$ |  | - | (20) | - | (20) |
| Balance, end of period | \$ | 1,091 | 1,205 | 1,091 | 1,205 |


| Reserve for unfunded commitments: | $\mathbf{\$}$ | $\mathbf{1 3 1}$ | 162 | $\mathbf{1 6 1}$ | 161 |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Balance, beginning of period <br> Benefit from the reserve for unfunded commitments |  | $(2)$ | $(5)$ | $\mathbf{( 3 2 )}$ | $(4)$ |
| Balance, end of period | $\mathbf{\$}$ | $\mathbf{1 2 9}$ | 157 | $\mathbf{1 2 9}$ | 157 |

(a) For the three and nine months ended September 30, 2018, the Bancorp recorded $\$ 8$ and $\$ 18$, respectively, in both losses charged-off and recoveries of losses charged-off related to customer defaults on point-of-sale loans for which the Bancorp obtained recoveries under third-party credit enhancements.
(b) Refer to Note 10 of the Notes to Condensed Consolidated Financial Statements for further discussion on the deconsolidation of a VIE.
Certain inherent but unconfirmed losses are probable within the loan and lease portfolio. The Bancorp s current methodology for determining the level of losses is based on historical loss rates, current credit grades, specific allocation on impaired commercial credits above specified thresholds and restructured loans and other qualitative adjustments. Due to the heavy reliance on realized historical losses and the credit grade rating process, the model-derived estimate of ALLL tends to slightly lag behind the deterioration in the portfolio in a stable or deteriorating credit environment, and tends not to be as responsive when improved conditions have presented themselves. Given these model limitations, the qualitative adjustment factors may be incremental or decremental to the quantitative model results.

An unallocated component of the ALLL is maintained to recognize the imprecision in estimating and measuring loss. The unallocated allowance as a percent of total portfolio loans and leases was $0.12 \%$ and $0.13 \%$ at September 30, 2018 and December 31, 2017, respectively. The unallocated allowance was $10 \%$ of the total allowance at both September 30, 2018 and December 31, 2017.

As shown in Table 56, the ALLL as a percent of portfolio loans and leases was $1.17 \%$ and $1.30 \%$ at September 30, 2018 and December 31, 2017, respectively. The ALLL was $\$ 1.1$ billion and $\$ 1.2$ billion at September 30, 2018 and December 31, 2017, respectively.

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TABLE 56: Attribution of Allowance for Loan and Lease Losses to Portfolio Loans and Leases

| As of (\$ in millions) | September 30, 2018December 31, 2017 |  |  |
| :---: | :---: | :---: | :---: |
| Attributed ALLL: |  |  |  |
| Commercial and industrial loans | \$ | 533 | 651 |
| Commercial mortgage loans |  | 73 | 65 |
| Commercial construction loans |  | 29 | 23 |
| Commercial leases |  | 21 | 14 |
| Residential mortgage loans |  | 83 | 89 |
| Home equity |  | 37 | 46 |
| Automobile loans |  | 39 | 38 |
| Credit card |  | 136 | 117 |
| Other consumer loans |  | 31 | 33 |
| Unallocated |  | 109 | 120 |
| Total ALLL | \$ | 1,091 | 1,196 |
| Portfolio loans and leases: |  |  |  |
| Commercial and industrial loans | \$ | 42,631 | 41,170 |
| Commercial mortgage loans |  | 6,695 | 6,604 |
| Commercial construction loans |  | 4,892 | 4,553 |
| Commercial leases |  | 3,697 | 4,068 |
| Residential mortgage loans |  | 15,585 | 15,591 |
| Home equity |  | 6,485 | 7,014 |
| Automobile loans |  | 9,002 | 9,112 |
| Credit card |  | 2,325 | 2,299 |
| Other consumer loans |  | 2,131 | 1,559 |
| Total portfolio loans and leases | \$ | 93,443 | 91,970 |
| Attributed ALLL as a percent of respective portfolio loans and leases: |  |  |  |
| Commercial and industrial loans |  | 1.25 \% | 1.58 |
| Commercial mortgage loans |  | 1.09 | 0.98 |
| Commercial construction loans |  | 0.59 | 0.51 |
| Commercial leases |  | 0.57 | 0.34 |
| Residential mortgage loans |  | 0.53 | 0.57 |
| Home equity |  | 0.57 | 0.66 |
| Automobile loans |  | 0.43 | 0.42 |
| Credit card |  | 5.85 | 5.09 |
| Other consumer loans |  | 1.45 | 2.12 |
| Unallocated (as a percent of total portfolio loans and leases) |  | 0.12 | 0.13 |
| Total ALLL as a percent of total portfolio loans and leases |  | 1.17 \% | 1.30 |

## MARKET RISK MANAGEMENT

Market risk is the day-to-day potential for the value of a financial instrument to increase or decrease due to movements in market factors. The Bancorp s market risk includes risks resulting from movements in interest rates, foreign exchange rates, equity prices and commodity prices. Interest rate risk, a component of market risk, primarily

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impacts the Bancorp s NII and interest sensitive fee income categories through changes in interest income on earning assets and cost of interest-bearing liabilities, and through fee items that are related to interest sensitive activities such as mortgage origination and servicing income. Management considers interest rate risk a prominent market risk in terms of its potential impact on earnings. Interest rate risk may occur for any one or more of the following reasons:

Assets and liabilities mature or reprice at different times;
Short-term and long-term market interest rates change by different amounts; or
The expected maturities of various assets or liabilities shorten or lengthen as interest rates change.
In addition to the direct impact of interest rate changes on NII, interest rates can indirectly impact earnings through their effect on loan and deposit demand, credit losses, mortgage originations, the value of servicing rights and other sources of the Bancorp s earnings. Stability of the Bancorp s net income is largely dependent upon the effective management of interest rate risk. Management continually reviews the Bancorp s balance sheet composition and earnings flows and models the interest rate risk, and possible actions to reduce this risk, given numerous possible future interest rate scenarios. A series of Policy Limits and Key Risk Indicators are employed to ensure that this risk is managed within the Bancorp s risk tolerance.

## Interest Rate Risk Management Oversight

The Bancorp s ALCO, which includes senior management representatives and is accountable to the ERMC, monitors and manages interest rate risk within Board approved policy limits. In addition to the risk management activities of ALCO, the Bancorp has a Market Risk Management function as part of ERM that provides independent oversight of market risk activities.

## Net Interest Income Sensitivity

The Bancorp employs a variety of measurement techniques to identify and manage its interest rate risk, including the use of an NII simulation model to analyze the sensitivity of NII to changes in interest rates. The model is based on contractual and assumed cash flows and repricing characteristics for all of the Bancorp s assets, liabilities and off-balance sheet exposures and incorporates market-based assumptions regarding the effect of changing interest rates on the prepayment rates of certain assets and attrition rates of certain liabilities. The model also includes senior management s projections of the future volume and pricing of each of the product lines offered by the Bancorp as well as other pertinent assumptions. Actual results may differ from simulated results due to timing, magnitude and frequency of interest rate changes, deviations from projected assumptions, as well as changes in market conditions and management strategies.

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As of September 30, 2018, the Bancorp s interest rate risk exposure is governed by a risk framework that utilizes the change in NII over 12-month and 24-month horizons assuming a 200 bps parallel ramped increase and a 125 bps parallel ramped decrease in interest rates. Additionally, the Bancorp routinely analyzes various potential and extreme scenarios, including ramps, shocks and twists to assess where risks to net interest income persist or develop as changes in the balance sheet and market rates evolve.

In order to recognize the risk of noninterest-bearing demand deposit balance run-off in a rising interest rate environment, the Bancorp s NII sensitivity modeling assumes that approximately $\$ 500$ million of balances run-off over 24 months above what is included in senior management s baseline projections for each 100 bps increase in short-term market interest rates. Similarly, the Bancorp s NII sensitivity modeling incorporates approximately $\$ 500$ million of incremental growth in noninterest-bearing deposit balances over 24 months above senior management s baseline projections for each 100 bps decrease in short-term market interest rates. The incremental balance run-off and growth are modeled to flow into and out of funding products that reprice in conjunction with market rate changes.

Another important deposit modeling assumption is the amount by which interest-bearing deposit rates will increase or decrease when market interest rates increase or decrease. This deposit repricing sensitivity is known as the beta, and it represents the expected amount by which Bancorp deposit rates will change for a given change in short-term market rates. The Bancorp s NII sensitivity modeling assumes a weighted-average rising rate interest-bearing deposit beta of $70 \%$ at September 30, 2018, which is approximately 20 percentage points higher than the average beta that the Bancorp experienced in the last FRB tightening cycle from June 2004 to June 2006 and approximately 35 percentage points higher than the average beta experienced in the current tightening cycle to date. In addition, the Bancorp s NII sensitivity modeling assumes there is no lag between the timing of changes in market rates and the timing of deposit repricing despite such timing lags having occurred for each rate move thus far in the current tightening cycle.

The Bancorp continually evaluates the sensitivity of its interest rate risk measures to these important deposit modeling assumptions. The Bancorp also regularly monitors the sensitivity of other important modeling assumptions, such as loan and security prepayments and early withdrawals on fixed-rate customer liabilities.

The following table shows the Bancorp s estimated net interest income sensitivity profile and ALCO policy limits as of:

## TABLE 57: Estimated NII Sensitivity Profile and ALCO Policy Limits

September 30, 2018
September 30, 2017
\% Change in NII (FTEALCO Policy LimfitsChange in NII (FTEALCO Policy Limits

|  | 12 | $13-24$ | 12 | $13-24$ | 12 | $13-24$ | 12 | $13-24$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Change in Interest Rates (bps) | Months | Months | Months | Months | Months | Months | Months | Months |


| +200 Ramp over 12 months | $\mathbf{( 0 . 1 5 ) \%}$ | $\mathbf{3 . 4 5}$ | $\mathbf{( 4 . 0 0 )}$ | $\mathbf{( 6 . 0 0 )}$ | 1.52 | 4.73 | $(4.00)$ | $(6.00)$ |
| :--- | :---: | :---: | :---: | ---: | ---: | ---: | ---: | ---: |
| +100 Ramp over 12 months | $\mathbf{0 . 0 2}$ | $\mathbf{1 . 9 5}$ | N/A | N/A | 0.96 | 3.03 | N/A | N/A |
| -125 Ramp over 12 months | $\mathbf{( 3 . 7 2 )}$ | $\mathbf{( 9 . 8 2 )}$ | $\mathbf{( 8 . 0 0 )}$ | $(\mathbf{1 2 . 0 0})$ | N/A | N/A | N/A | N/A |
| -62.5 Ramp over 7 months | $(\mathbf{( 2 . 6 4 )}$ | $\mathbf{( 4 . 9 2 )}$ | N/A | N/A | $(3.61)$ | $(6.40)$ | $(6.00)$ | $(8.00)$ |

At September 30, 2018, the Bancorp s NII is near asset/liability neutral in year one and would benefit in year two under the parallel rate ramp increases. The Bancorp s NII would decline in both year one and year two under the parallel 125 bps ramp decrease in interest rates. The NII sensitivity profile is attributable to the combination of floating-rate assets, including the predominantly floating-rate commercial loan portfolio, and certain intermediate-term fixed-rate liabilities. As the FRB has increased its target range for the federal funds rate, the sensitivity to declining rates has increased, which is a reflection of the balance sheet mix described above. Reductions in the yield of the commercial loan portfolio would be expected to be only partially offset by a decline in the cost of interest-bearing deposits in this scenario. In October of 2018, the Bancorp executed hedges with notional amounts of $\$ 4$ billion in receive-fixed interest rate swaps and $\$ 3$ billion in interest rate floors, which reduced the Bancorp s exposure to falling rates while allowing the balance sheet to remain asset sensitive over the 24 -month horizon. The changes in the estimated NII sensitivity profile as of September 30, 2018 compared to September 30, 2017 were primarily attributable to an increase in outstanding taxable securities balances, the addition of receive-fixed swaps against floating-rate commercial loans, the addition of forward starting floors against one-month LIBOR, and a decrease in outstanding fixed-rate long-term debt. These items were partially offset by an increase in core deposit balances and a reduction in fixed-rate commercial leases and residential mortgages.

Tables 58 and 59 provide the Bancorp s estimated NII profile at September 30, 2018 with changes to certain deposit balances and deposit repricing sensitivity (betas) assumptions.

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The following table includes the Bancorp s estimated NII sensitivity profile at September 30, 2018 with an immediate $\$ 1$ billion decrease and an immediate $\$ 1$ billion increase in demand deposit balances:

TABLE 58: Estimated NII Sensitivity Profile at September 30, 2018 with a $\$ 1$ Billion Change in Demand Deposit Assumption

|  | \% Change in NII (FTE) |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Immediate $\$ 1$ Billion Balandemmediate $\$ 1$ Billion Balance Decrease Increase |  |  |  |
|  | 12 | 13-24 | 12 |  |
|  |  |  |  | 13-24 |
| Change in Interest Rates (bps) | Months | Months | Months | Months |
| +200 Ramp over 12 months | (0.38)\% | 3.00 | 0.09 | 3.90 |
| +100 Ramp over 12 months | (0.10) | 1.73 | 0.13 | 2.18 |
| -125 Ramp over 12 months | (3.87) | (10.10) | (3.58) | (9.54) |

The following table includes the Bancorp s estimated NII sensitivity profile at September 30, 2018 with a $25 \%$ increase and a $25 \%$ decrease to the rising rate deposit beta assumptions as of September 30, 2018. The resulting weighted-average interest-bearing deposit betas included in this analysis were approximately $88 \%$ and $53 \%$, respectively, as of September 30, 2018:

TABLE 59: Estimated NII Sensitivity Profile at September 30, 2018 with Deposit Beta Assumptions

|  | $\%$ Change in NII (FTE) |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | Betas 25\% Higher | Betas 25\% Lower |  |  |  |
|  | 12 | $13-24$ | 12 | $13-24$ |  |
| Change in Interest Rates (bps) |  |  |  | Months | Months |
| +200 Ramp over 12 months | $(3.02) \%$ | $(2.08)$ | 2.72 | 8.97 |  |
| +100 Ramp over 12 months | $(1.42)$ | $(0.79)$ | 1.45 | 4.69 |  |

Economic Value of Equity Sensitivity
The Bancorp also uses EVE as a measurement tool in managing interest rate risk. Whereas the NII sensitivity analysis highlights the impact on forecasted NII on an FTE basis (non-GAAP) over one and two year time horizons, EVE is a point in time analysis of the economic sensitivity of current positions that incorporates all cash flows over their estimated remaining lives. The EVE of the balance sheet is defined as the discounted present value of all asset and net derivative cash flows less the discounted value of all liability cash flows. Due to this longer horizon, the sensitivity of EVE to changes in the level of interest rates is a measure of longer-term interest rate risk. EVE values only the current balance sheet and does not incorporate the balance growth assumptions used in the NII sensitivity analysis. As with the NII simulation model, assumptions about the timing and variability of existing balance sheet cash flows are critical in the EVE analysis. Particularly important are assumptions driving loan and security prepayments and the expected balance attrition and pricing of transaction deposits.

The following table shows the Bancorp s estimated EVE sensitivity profile as of:
TABLE 60: Estimated EVE Sensitivity Profile

|  | $\begin{aligned} & \text { September 30, } \\ & 2018 \end{aligned}$ |  | September 30,$2017$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  | ALCO |  |  | LCO |
| Change in Interest Rates (bps) | \% Change in EV | cy Limifo | ange in | icy Limit |
| +200 Shock | (6.00)\% | (12.00) | (4.11) | (12.00) |
| +100 Shock | (2.75) | N/A | (1.43) | N/A |
| +25 Shock | N/A | N/A | (0.16) | N/A |
| -100 Shock | 0.54 | N/A | (1.67) | N/A |

The EVE sensitivity to the +200 bps rising rate scenario is moderately negative at September 30, 2018 and slightly positive to a 100 bps decline in market rates. The changes in the estimated EVE sensitivity profile from September 30, 2017 were primarily related to an increase in the outstanding taxable securities balances, migration from noninterest-bearing deposits to interest-bearing deposits with higher attrition assumptions and the addition of receive-fixed swaps against floating-rate commercial loans. These items were partially offset by net run-off of the fixed-rate commercial lease and residential mortgage portfolios.

While an instantaneous shift in interest rates is used in this analysis to provide an estimate of exposure, the Bancorp believes that a gradual shift in interest rates would have a much more modest impact. Since EVE measures the discounted present value of cash flows over the estimated lives of instruments, the change in EVE does not directly correlate to the degree that earnings would be impacted over a shorter time horizon (e.g., the current fiscal year). Further, EVE does not take into account factors such as future balance sheet growth, changes in product mix, changes in yield curve relationships and changing product spreads that could mitigate or exacerbate the impact of changes in interest rates. The NII simulations and EVE analyses do not necessarily include certain actions that management may undertake to manage risk in response to actual changes in interest rates.

The Bancorp regularly evaluates its exposures to a static balance sheet forecast, LIBOR, Prime Rate and other basis risks, yield curve twist risks and embedded options risks. In addition, the impacts on NII on an FTE basis and EVE of extreme changes in interest rates are modeled, wherein the Bancorp employs the use of yield curve shocks and environment-specific scenarios.

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## Use of Derivatives to Manage Interest Rate Risk

An integral component of the Bancorp s interest rate risk management strategy is its use of derivative instruments to minimize significant fluctuations in earnings caused by changes in market interest rates. Examples of derivative instruments that the Bancorp may use as part of its interest rate risk management strategy include interest rate swaps, interest rate floors, interest rate caps, forward contracts, forward starting interest rate swaps, options, swaptions and TBA securities.

As part of its overall risk management strategy relative to its residential mortgage banking activities, the Bancorp enters into forward contracts accounted for as free-standing derivatives to economically hedge IRLCs that are also considered free-standing derivatives. Additionally, the Bancorp economically hedges its exposure to residential mortgage loans held for sale through the use of forward contracts and mortgage options.

The Bancorp also enters into derivatives contracts with major financial institutions to economically hedge market risks assumed in interest rate derivative contracts with commercial customers. Generally, these contracts have similar terms in order to protect the Bancorp from market volatility. Credit risk arises from the possible inability of counterparties to meet the terms of their contracts, which the Bancorp minimizes through collateral arrangements, approvals, limits and monitoring procedures. For further information including the notional amount and fair values of these derivatives, refer to Note 12 of the Notes to Condensed Consolidated Financial Statements.

## Portfolio Loans and Leases and Interest Rate Risk

Although the Bancorp s portfolio loans and leases contain both fixed and floating/adjustable-rate products, the rates of interest earned by the Bancorp on the outstanding balances are generally established for a period of time. The interest rate sensitivity of loans and leases is directly related to the length of time the rate earned is established.

The following table summarizes the carrying value of the Bancorp s portfolio loans and leases expected cash flows, excluding interest receivable, as of September 30, 2018:

TABLE 61: Portfolio Loans and Leases Expected Cash Flows

| (\$ in millions) | Less than 1 year | $1-5$ years | Over 5 years | Total |
| :--- | ---: | ---: | ---: | ---: |
| Commercial and industrial loans | $\$ 4,405$ | 18,204 | 1,022 | 42,631 |
| Commercial mortgage loans | 23,496 | 3,576 | 623 | 6,695 |
| Commercial construction loans | 2,496 | 2,676 | 135 | 4,892 |
| Commercial leases | 2,081 | 1,682 | 1,145 | 3,697 |
| Total commercial loans and leases | 870 | 26,138 | 2,925 | 57,915 |
| Residential mortgage loans | 28,852 | 6,278 | 7,037 | 15,585 |
| Home equity | 2,270 | 3,299 | 1,558 | 6,485 |
| Automobile loans | 1,628 | 4,898 | 367 | 9,002 |
| Credit card | 3,737 | - | 2,325 |  |


| Other consumer loans |  | 1,432 | 643 | 56 | 2,131 |
| :--- | :--- | ---: | ---: | ---: | ---: |
| Total consumer loans | $\$, 532$ | 16,978 | 9,018 | 35,528 |  |
| Total portfolio loans and leases | 38,384 | 43,116 | 11,943 | 93,443 |  |

Additionally, the following table displays a summary of expected cash flows, excluding interest receivable, occurring after one year for both fixed and floating/adjustable-rate loans and leases as of September 30, 2018:

TABLE 62: Portfolio Loans and Leases Expected Cash Flows Occurring After 1 Year

|  | Interest Rate |  |  |
| :--- | ---: | ---: | ---: |
| (\$ in millions) | Fixed | Floating or Adjustable |  |
| Commercial and industrial loans | $\$$ | 2,482 | 16,744 |
| Commercial mortgage loans | 893 | 3,306 |  |
| Commercial construction loans | 31 | 2,780 |  |
| Commercial leases | 2,827 | - |  |
| Total commercial loans and leases | 6,233 | 22,830 |  |
| Residential mortgage loans | 10,033 | 3,282 |  |
| Home equity | 476 | 4,381 |  |
| Automobile loans | 5,235 | 30 |  |
| Credit card | 454 | 1,406 |  |
| Other consumer loans | 424 | 275 |  |
| Total consumer loans | 16,622 | 9,374 |  |
| Total portfolio loans and leases | $\$$ | 32,855 |  |

## Residential Mortgage Servicing Rights and Interest Rate Risk

The fair value of the residential MSR portfolio was $\$ 1$ billion and $\$ 858$ million at September 30, 2018 and December 31, 2017, respectively. The value of servicing rights can fluctuate sharply depending on changes in interest rates and other factors. Generally, as interest rates decline and loans are prepaid to take advantage of refinancing, the total value of existing servicing rights declines because no further servicing fees are collected on repaid loans. The Bancorp maintains a non-qualifying hedging strategy relative to its mortgage banking activity in order to manage a portion of the risk associated with changes in the value of its MSR portfolio as a result of changing interest rates.

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Mortgage rates increased during both the three and nine months ended September 30, 2018 which caused modeled prepayment speeds to slow. The fair value of the MSR increased $\$ 25$ million and $\$ 103$ million, respectively, due to changes to inputs to the valuation model including prepayment speeds and OAS spread assumptions and decreased $\$ 33$ million and $\$ 95$ million, respectively, due to the passage of time, including the impact of regularly scheduled repayments, paydowns and payoffs for the three and nine months ended September 30, 2018.

Mortgage rates decreased during both the three and nine months ended September 30, 2017 which caused modeled prepayments speeds to increase, which led to fair value adjustments on servicing rights. The fair value of the MSR decreased $\$ 2$ million and $\$ 15$ million, respectively, due to changes to inputs to the valuation model including prepayment speeds and OAS spread assumptions and decreased $\$ 32$ million and $\$ 89$ million, respectively, due to the passage of time, including the impact of regularly scheduled repayments, paydowns and payoffs for the three and nine months ended September 30, 2017.

The Bancorp recognized net losses of $\$ 25$ million and $\$ 107$ million, respectively, on its non-qualifying hedging strategy for the three and nine months ended September 30, 2018 compared to net gains of $\$ 3$ million and $\$ 20$ million, respectively, during the three and nine months ended September 30, 2017. These amounts include net losses on securities related to the Bancorp s non-qualifying hedging strategy which were $\$ 1$ million and $\$ 18$ million, respectively, during the three and nine months ended September 30, 2018 and net gains of $\$ 2$ million and $\$ 4$ million, respectively, during the three and nine months ended September 30, 2017. The Bancorp may adjust its hedging strategy to reflect its assessment of the composition of its MSR portfolio, the cost of hedging and the anticipated effectiveness of the hedges given the economic environment. Refer to Note 11 of the Notes to Condensed Consolidated Financial Statements for further discussion on servicing rights and the instruments used to hedge interest rate risk on MSRs.

## Foreign Currency Risk

The Bancorp may enter into foreign exchange derivative contracts to economically hedge certain foreign denominated loans. The derivatives are classified as free-standing instruments with the revaluation gain or loss being recorded in other noninterest income in the Condensed Consolidated Statements of Income. The balance of the Bancorp s foreign denominated loans at September 30, 2018 and December 31, 2017 was $\$ 984$ million and $\$ 939$ million, respectively. The Bancorp also enters into foreign exchange contracts for the benefit of commercial customers to hedge their exposure to foreign currency fluctuations. Similar to the hedging of interest rate risk from interest rate derivative contracts, the Bancorp also enters into foreign exchange contracts with major financial institutions to economically hedge a substantial portion of the exposure from client driven foreign exchange activity. The Bancorp has risk limits and internal controls in place to help ensure excessive risk is not being taken in providing this service to customers. These controls include an independent determination of currency volatility and credit equivalent exposure on these contracts, counterparty credit approvals and country limits performed by the Capital Markets Credit department and Capital Markets Risk department.

## Commodity Risk

The Bancorp also enters into commodity contracts for the benefit of commercial customers to hedge their exposure to commodity price fluctuations. Similar to the hedging of foreign exchange and interest rate risk from interest rate derivative contracts, the Bancorp also enters into commodity contracts with major financial institutions to economically hedge a substantial portion of the exposure from client driven commodity activity. The Bancorp may also offset this risk with exchange-traded commodity contracts. The Bancorp has risk limits and internal controls in place to help ensure excessive risk is not taken in providing this service to customers. These controls include an independent determination of commodity volatility and credit equivalent exposure on these contracts and counterparty credit approvals performed by the Capital Markets Credit department and Capital Markets Risk department.

## LIQUIDITY RISK MANAGEMENT

The goal of liquidity management is to provide adequate funds to meet changes in loan and lease demand, unexpected levels of deposit withdrawals and other contractual obligations. Mitigating liquidity risk is accomplished by maintaining liquid assets in the form of cash and investment securities, maintaining sufficient unused borrowing capacity in the debt markets and delivering consistent growth in core deposits. A summary of certain obligations and commitments to make future payments under contracts is included in Note 16 of the Notes to Condensed Consolidated Financial Statements.

The Bancorp s Treasury department manages funding and liquidity based on point-in-time metrics as well as forward-looking projections, which incorporate different sources and uses of funds under base and stress scenarios. Liquidity risk is monitored and managed by the Treasury department and a series of Policy Limits and Key Risk Indicators are established to ensure risks are managed within the Bancorp s risk tolerance. The Bancorp maintains a contingency funding plan that provides for liquidity stress testing, which assesses the liquidity needs under varying market conditions, time horizons, asset growth rates and other events. The contingency plan provides for ongoing monitoring of unused borrowing capacity and available sources of contingent liquidity to prepare for unexpected liquidity needs and to cover unanticipated events that could affect liquidity. The contingency plan also outlines the Bancorp s response to various levels of liquidity stress and actions that should be taken during various scenarios.

## Liquidity Risk Management Oversight

The Bancorp s ALCO, which includes senior management representatives and is accountable to the ERMC, monitors and manages liquidity and funding risk within Board-approved policy limits. In addition to the risk management activities of ALCO, the Bancorp has a Market Risk Management function as part of ERM that provides independent oversight of liquidity risk management.

## Sources of Funds

The Bancorp s primary sources of funds relate to cash flows from loan and lease repayments, payments from securities related to sales and maturities, the sale or securitization of loans and leases and funds generated by core deposits, in addition to the use of public and private debt offerings.

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Table 61 of the Market Risk Management subsection of the Risk Management section of MD\&A illustrates the expected maturities from loan and lease repayments. Of the $\$ 31.8$ billion of securities in the Bancorp s available-for-sale debt and other securities portfolio at September 30, 2018, $\$ 3.1$ billion in principal and interest is expected to be received in the next 12 months and an additional $\$ 3.1$ billion is expected to be received in the next 13 to 24 months. For further information on the Bancorp s securities portfolio, refer to the Investment Securities subsection of the Balance Sheet Analysis section of MD\&A.

Asset-driven liquidity is provided by the Bancorp s ability to sell or securitize loans and leases. In order to reduce the exposure to interest rate fluctuations and to manage liquidity, the Bancorp has developed securitization and sale procedures for several types of interest-sensitive assets. A majority of the long-term, fixed-rate single-family residential mortgage loans underwritten according to FHLMC or FNMA guidelines are sold for cash upon origination. Additional assets such as certain other residential mortgage loans, certain commercial loans, home equity loans, automobile loans and other consumer loans are also capable of being securitized or sold. The Bancorp sold or securitized loans totaling $\$ 1.7$ billion and $\$ 4.3$ billion during the three and nine months ended September 30, 2018, respectively, compared to $\$ 2.6$ billion and $\$ 5.8$ billion during the three and nine months ended September 30, 2017, respectively. For further information on the transfer of financial assets, refer to Note 11 of the Notes to Condensed Consolidated Financial Statements.

Core deposits have historically provided the Bancorp with a sizeable source of relatively stable and low-cost funds. The Bancorp s average core deposits and average shareholders equity funded $83 \%$ of its average total assets for both the three and nine months ended September 30, 2018 and $82 \%$ and $83 \%$ for the three and nine months ended September 30, 2017, respectively. In addition to core deposit funding, the Bancorp also accesses a variety of other short-term and long-term funding sources, which include the use of the FHLB system. Certificates $\$ 100,000$ and over and certain deposits in the Bancorp s foreign branch located in the Cayman Islands are wholesale funding tools utilized to fund asset growth. Management does not rely on any one source of liquidity and manages availability in response to changing balance sheet needs.

As of September 30, 2018, $\$ 7.3$ billion of debt or other securities were available for issuance under the current Bancorp s Board of Directors authorizations and the Bancorp is authorized to file any necessary registration statements with the SEC to permit ready access to the public securities markets; however, access to these markets may depend on market conditions. During the nine months ended September 30, 2018, the Bancorp issued and sold $\$ 900$ million of senior notes.

The Bank s global bank note program has a borrowing capacity of $\$ 25.0$ billion, of which $\$ 17.0$ billion was available for issuance as of September 30, 2018. During the nine months ended September 30, 2018, the Bank issued and sold $\$ 1.55$ billion of senior bank notes. Additionally, at September 30, 2018, the Bank had approximately $\$ 44.3$ billion of borrowing capacity available through secured borrowing sources including the FHLB and FRB.

## Liquidity Coverage Ratio and Net Stable Funding Ratio

The Bancorp is subject to the Modified LCR requirement, which stipulates that BHCs with at least $\$ 50$ billion but less than $\$ 250$ billion in total consolidated assets that are not internationally active, such as the Bancorp, maintain HQLA
equal to their calculated net cash outflows over a 30 calendar-day stress period multiplied by a factor of 0.7 . The Bancorp s Modified LCR was $119 \%$ at September 30, 2018.

On June 1, 2016, the U.S. banking agencies published a notice of proposed rulemaking to implement a modified NSFR for certain bank holding companies with at least $\$ 50$ billion but less than $\$ 250$ billion in total consolidated assets and with less than $\$ 10$ billion in on-balance sheet foreign exposures, including the Bancorp. Generally consistent with the BCBS framework, under the proposed rule banking organizations would be required to hold an amount of ASF over a one-year time horizon that equals or exceeds the institution s amount of RSF, with the ASF representing the numerator and the RSF representing the denominator of the NSFR. Banking organizations subject to the modified NSFR would multiply the RSF amount by $70 \%$, such that the RSF amount required for these institutions would be equivalent to $70 \%$ of the RSF amount that would be required pursuant to the full NSFR generally applicable to institutions with at least $\$ 250$ billion in total consolidated assets or $\$ 10$ billion or more in on-balance sheet foreign exposures under the proposed rule. The comment period for this proposal ended on August 5, 2016.

On October 31, 2018, the Board of Governors of the FRB released a series of regulatory proposals to implement the Economic Growth, Regulatory Relief, and Consumer Protection Act ( Reform Act ). Among the proposals, the Board of Governors, joined by the Department of Treasury, Office of the Comptroller of the Currency and the Federal Deposit Insurance Corporation proposed to remove the application of the LCR regulations and the NSFR from certain BHCs that qualify under the proposal as Category IV institutions, primarily those BHCs with consolidated assets between $\$ 100$ billion and $\$ 250$ billion, including Fifth Third Bancorp.

The NPR is open for public comment and could be further amended by the FRB and other financial regulators prior to adoption. As such, the ultimate impacts of the NPR to Fifth Third Bancorp, Fifth Third Bank and their respective subsidiaries and activities will be subject to the final form of these NPRs and additional rulemakings issued. Fifth Third cannot predict future changes in the applicable laws, regulations and regulatory agency policies, yet such changes may have a material effect on its business, financial condition or results of operations.

## Credit Ratings

The cost and availability of financing to the Bancorp and Bank are impacted by its credit ratings. A downgrade to the Bancorp s or Bank s credit ratings could affect its ability to access the credit markets and increase its borrowing costs, thereby adversely impacting the Bancorp s or Bank s financial condition and liquidity. Key factors in maintaining high credit ratings include a stable and diverse earnings stream, strong credit quality, strong capital ratios and diverse funding sources, in addition to disciplined liquidity monitoring procedures.

The Bancorp s and Bank s credit ratings are summarized in Table 63. The ratings reflect the ratings agency s view on the Bancorp s and Bank s capacity to meet financial commitments.*
*As an investor, you should be aware that a security rating is not a recommendation to buy, sell or hold securities, that it may be subject to revision or withdrawal at any time by the assigning rating organization and that each rating should be evaluated independently of any other rating. Additional information on the credit rating ranking within the overall classification system is located on the website of each credit rating agency.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

TABLE 63: Agency Ratings

| As of November 6, 2018 | Moody s | Standard and Poor | Fitch | DBRS |
| :---: | :---: | :---: | :---: | :---: |
| Fifth Third Bancorp: |  |  |  |  |
| Short-term borrowings | No rating | A-2 | F1 | R-1L |
| Senior debt | Baal | BBB+ | A- | A |
| Subordinated debt | Baal | BBB | BBB+ | AL |
| Fifth Third Bank: |  |  |  |  |
| Short-term borrowings | P-2 | A-2 | F1 | R-1M |
| Short-term deposit | P-1 | No rating | F1 | No rating |
| Long-term deposit | Aa3 | A- | A | AH |
| Senior debt | A3 | A- | A- | AH |
| Subordinated debt | Baal | BBB+ | BBB+ | A |
| Rating Agency Outlook for Fifth Third Bancorp and Fifth Third Bank: | Stable | Stable | Stable | Stable |

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

## OPERATIONAL RISK MANAGEMENT

Operational risk is the risk of loss resulting from inadequate or failed processes or systems or due to external events that are neither market nor credit-related. Operational risk is inherent in the Bancorp s activities and can manifest itself in various ways including fraudulent acts, business interruptions, inappropriate behavior of employees, unintentional failure to comply with applicable laws and regulations, cyber-security incidents and privacy breaches or failure of vendors to perform in accordance with their arrangements. These events could result in financial losses, litigation and regulatory fines, as well as other damage to the Bancorp. The Bancorp s risk management goal is to keep operational risk at appropriate levels consistent with the Bancorp s risk appetite, financial strength, the characteristics of its businesses, the markets in which it operates and the competitive and regulatory environment to which it is subject.

To control, monitor and govern operational risk, the Bancorp maintains an overall Risk Management Framework which comprises governance oversight, risk assessment, capital measurement, monitoring and reporting as well as a formal three lines of defense approach. ERM is responsible for prescribing the framework to the lines of business and corporate functions, and to provide independent oversight of its implementation (second line of defense). Business Controls groups are in place in each of the lines of business to ensure consistent implementation and execution of managing day-to-day operational risk (first line of defense).

The Bancorp s risk management framework consists of five integrated components, including identifying, assessing, managing, monitoring and independent governance reporting of risk. The corporate Operational Risk Management function within Enterprise Risk is responsible for developing and overseeing the implementation of the Bancorp s approach to managing operational risk. This includes providing governance, awareness and training, tools, guidance and oversight to support implementation of key risk programs and systems as they relate to operational risk management, such as risk and control self-assessments, new product/initiative risk reviews, key risk indicators, Vendor Risk Management, cyber security risk management and review of operational losses. The function is also responsible for developing reports that support the proactive management of operational risk across the enterprise. The lines of business and corporate functions are responsible for managing the operational risks associated with their areas in accordance with the risk management framework. The framework is intended to enable the Bancorp to function with a sound and well-controlled operational environment. These processes support the Bancorp s goals to minimize future operational losses and strengthen the Bancorp s performance by maintaining sufficient capital to absorb operational losses that are incurred.

The Bancorp also maintains a robust information security program to support the management of cyber security risk within the organization with a focus on prevention, detection and recovery processes. Fifth Third utilizes a wide array of techniques to secure its operations and proprietary information such as Board-approved policies and programs, network monitoring and testing, access controls and dedicated security personnel. Fifth Third has adopted the National Institute of Standards and Technology Cyber Security Framework for the management and deployment of cyber security controls and is an active participant in the financial sector information sharing organization structure, known as the Financial Services Information Sharing and Analysis Center. To ensure resiliency of key Bancorp functions, Fifth Third also employs redundancy protocols that include a robust business continuity function that works to mitigate any potential impacts to Fifth Third customers and its systems.

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Fifth Third also focuses on the reporting and escalation of operational control issues to senior management and the Board of Directors. The Operational Risk Committee is the key committee that oversees and supports Fifth Third in the management of operational risk across the enterprise. The Operational Risk Committee reports to the ERMC, which reports to the Risk and Compliance Committee of the Board of Directors.

## COMPLIANCE RISK MANAGEMENT

Regulatory compliance risk is defined as the risk of legal or regulatory sanctions, financial loss or damage to reputation as a result of noncompliance with (i) applicable laws, regulations, rules and other regulatory requirements (including but not limited to the risk of consumers experiencing economic loss or other legal harm as a result of noncompliance with consumer protection laws, regulations and requirements); (ii) internal policies and procedures, standards of best practice or codes of conduct; and (iii) principles of integrity and fair dealing applicable to Fifth Third s activities and functions. Fifth Third focuses on managing regulatory compliance risk in accordance with the Bancorp s integrated risk management framework, which ensures consistent processes for identifying, assessing, managing, monitoring and reporting risks. The Bancorp s risk management goal is to keep compliance risk at appropriate levels consistent with the Bancorp s risk appetite.

To mitigate compliance risk, Compliance Risk Management provides independent oversight to ensure consistency and sufficiency in the execution of the program, and ensures that lines of business, regions and support functions are adequately identifying, assessing and monitoring compliance risks and adopting proper mitigation strategies. The lines of business and enterprise functions are responsible for managing the compliance risks associated with their areas. Additionally, the Chief Compliance Officer is responsible for establishing and overseeing the Compliance Risk Management program which implements key compliance processes, including but not limited to, executive- and board-level governance and reporting routines, compliance-related policies, risk assessments, key risk indicators, issues tracking, regulatory compliance testing and monitoring, anti-money laundering, privacy and, in partnership with the Community and Economic Development team, oversees the Bancorp s compliance with the Community Reinvestment Act.

Fifth Third also focuses on the reporting and escalation of compliance issues to senior management and the Board of Directors. The Management Compliance Committee, which is chaired by the Chief Compliance Officer, is the key committee that oversees and supports Fifth Third in the management of compliance risk across the enterprise. The Management Compliance Committee oversees Fifth Third-wide compliance issues, industry best practices, legislative developments (in coordination with the Regulatory Change Management Committee), regulatory concerns and other leading indicators of compliance risk. The Management Compliance Committee reports to the ERMC, which reports to the Risk and Compliance Committee of the Board of Directors.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

## CAPITAL MANAGEMENT

Management regularly reviews the Bancorp s capital levels to help ensure it is appropriately positioned under various operating environments. The Bancorp has established a Capital Committee which is responsible for making capital plan recommendations to management. These recommendations are reviewed by the ERMC and the annual capital plan is approved by the Board of Directors. The Capital Committee is responsible for execution and oversight of the capital actions of the capital plan.

## Regulatory Capital Ratios

The Basel III Final Rule sets minimum regulatory capital ratios as well as defines the measure of well-capitalized .

## TABLE 64: Prescribed Capital Ratios

|  | Minimum | Well-Capitalized |
| :--- | :---: | ---: |
| CET1 capital | $4.50 \%$ | 6.50 |
| Tier I risk-based capital | 6.00 | 8.00 |
| Total risk-based capital | 8.00 | 10.00 |
| Tier I leverage | 4.00 | 5.00 |

On January 1, 2016, the Bancorp became subject to a capital conservation buffer which will be phased in over a three-year period ending January 1, 2019. Once fully phased-in, the capital conservation buffer will be $2.5 \%$ in addition to the minimum capital ratios, in order to avoid limitations on certain capital distributions and discretionary bonus payments to executive officers. The capital conservation buffer was $0.625 \%$ in $2016,1.25 \%$ in 2017 and is $1.875 \%$ in 2018. The Bancorp exceeded these well-capitalized and capital conservation buffer ratios for all periods presented.

In April 2018, the federal banking regulators proposed transitional arrangements to permit banking organizations to phase in the day-one impact of the adoption of ASU 2016-13, referred to as the current expected credit loss model, on regulatory capital over a period of three years. For additional information on ASU 2016-13, refer to Note 3 of the Notes to Condensed Consolidated Financial Statements. The Bancorp is evaluating the impact of this proposal.

The following table summarizes the Bancorp s capital ratios as of:

TABLE 65: Capital Ratios
(\$ in millions)
September 30, 2018
December 31, 2017
Average total Bancorp shareholders equity as a percent of average assets $\quad \mathbf{1 1 . 3 9}$ \% 11.69

Tangible equity as a percent of tangible assets ${ }^{(a)}$
10.07
9.90
9.12
8.94

Tangible common equity as a percentage of tangible assets ${ }^{(a)(c)}$


## Stress Tests and CCAR

In 2011 the FRB adopted the capital plan rule, which requires BHCs with consolidated assets of $\$ 50$ billion or more to submit annual capital plans to the FRB for review. Under the rule, these capital plans must include detailed descriptions of the following: the BHC s internal processes for assessing capital adequacy; the policies governing capital actions such as common stock issuances, dividends and share repurchases; and all planned capital actions over a nine-quarter planning horizon. Further, each BHC must also report to the FRB the results of stress tests conducted by the BHC under a number of scenarios that assess the sources and uses of capital under baseline and stressed economic scenarios. The FRB launched the 2018 stress testing program and CCAR on February 1, 2018, with submissions of stress test results and capital plans to the FRB due on April 5, 2018, which the Bancorp submitted as required.

The FRB s review of the capital plan assessed the comprehensiveness of the capital plan, the reasonableness of the assumptions and the analysis underlying the capital plan. Additionally, the FRB reviewed the robustness of the capital adequacy process, the capital policy and the Bancorp s ability to maintain capital above each minimum regulatory capital ratio on a pro forma basis under expected and stressful conditions throughout the planning horizon.

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## Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

On June 28, 2018, the Bancorp announced the results of its capital plan submitted to the FRB as part of the 2018 CCAR. For BHCs that proposed capital distributions in their plans, the FRB either objected to the plan or provided a non-objection whereby the FRB permitted the proposed capital distributions. The FRB indicated to the Bancorp that it did not object to the following capital actions for the period beginning July 1, 2018 and ending June 30, 2019:

The increase in the quarterly common stock dividend to $\$ 0.22$ from $\$ 0.18$ beginning in the fourth quarter of 2018 and to $\$ 0.24$ beginning in the second quarter of 2019 , a $33 \%$ increase over the current dividend rate;
The repurchase of common shares in an amount up to $\$ 1.651$ billion, or a $42 \%$ increase over the 2017 capital plan. These repurchases include $\$ 81$ million in repurchases related to share issuances under employee benefit plans and $\$ 53$ million in repurchases related to previously-recognized TRA transaction after-tax gains;
The additional ability to repurchase common shares in the amount of any after-tax capital generated from the sale of Worldpay, Inc. common stock;
The additional ability to repurchase common shares in the amount of any after-tax cash income generated from the termination and settlement of gross cash flows from existing TRAs with Worldpay, Inc. or potential future TRAs that may be generated from additional sales of Worldpay, Inc.
On May 21, 2018, the Bancorp announced the planned acquisition of MB Financial. As a result of this transaction, the FRB required the Bancorp to resubmit its CCAR plan recognizing the pro forma impact of the combined Fifth Third MB Financial post-merger entity. Fifth Third resubmitted its capital plan to the FRB on October 5, 2018. The FRB is currently evaluating the resubmission. In the meantime, Fifth Third has resumed capital distribution activities consistent with its original capital plan submitted in April 2018.

Additionally, as a CCAR institution, the Bancorp is required to disclose the results of its company-run stress test under the supervisory adverse and supervisory severely adverse scenarios and to provide information related to the types of risk included in its stress testing, a description of the methodologies used, estimates of certain financial results and pro forma capital ratios, and an explanation of the most significant causes of changes in regulatory capital ratios. On June 21, 2018, the Bancorp publicly disclosed the results of its company-run stress test as required by the DFA stress testing rules, which are available on Fifth Third s website at www. $53 . c o m$. With Fifth Third s designation as a Large and Non-complex Bank, it is no longer subject to the qualitative aspects of the CCAR program. It is, however, subject to the FRB s Horizontal Capital Review, which was conducted in the third quarter of 2018.

In April 2018, the FRB proposed to introduce stress buffer requirements. Under the proposal, a SCB would replace the $2.5 \%$ capital conservation buffer. The SCB would reflect stressed losses in the supervisory severely adverse scenario of the FRB s CCAR stress tests plus four quarters of planned common stock dividends, subject to a floor of $2.5 \%$. The proposal would also introduce a SLB requirement, analogous to the SCB, that would apply to the Tier I leverage ratio. In addition, the proposal would require BHCs to reduce their planned capital distributions if those distributions would not be consistent with the applicable capital buffer constraints based on the BHCs own baseline scenario projections. The proposal is applicable for BHCs with $\$ 50$ billion or more in total consolidated assets, including the Bancorp. Under the proposal, a BHC s first SCB and SLB requirements would become effective on October 1, 2019. The Bancorp is evaluating the impact of this proposal.

## Dividend Policy and Stock Repurchase Program

The Bancorp s common stock dividend policy and stock repurchase program reflect its earnings outlook, desired payout ratios, the need to maintain adequate capital levels, the ability of its subsidiaries to pay dividends, the need to comply with safe and sound banking practices as well as meet regulatory requirements and expectations. The Bancorp declared dividends per common share of $\$ 0.18$ and $\$ 0.16$ for the three months ended September 30, 2018 and 2017, respectively, and $\$ 0.52$ and $\$ 0.44$ for the nine months ended September 30, 2018 and 2017, respectively. As contemplated by the 2017 CCAR, during the third quarter of 2018, the Bancorp settled $\$ 500$ million of open market share repurchase transactions. Refer to Note 15 of the Notes to Condensed Consolidated Financial Statements for additional information on share repurchase activity.

The following table summarizes the monthly share repurchase activity for the three months ended September 30, 2018:

## TABLE 66: Share

## Repurchases

| Period | Total Number of Shares Purchased ${ }^{(a)}$ | Purchased as Part of Shares that May Yet be Average Price Publicly Announced Plarßurchased Under the Plans Paid Per Share or Programs or Programs ${ }^{(b)}$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| July 1, 2018 - July 31, 2018 | 10,206,897 | \$ | 29.29 | 10,131,123 | 82,294,511 |
| $\begin{aligned} & \text { August 1, } 2018 \text { - August 31, } \\ & 2018 \end{aligned}$ | 6,846,815 |  | 29.80 | 6,813,897 | 75,480,614 |
| September 1, 2018 September 30, 2018 | 17,839 |  | 26.59 | - | 75,480,614 |
| Total | 17,071,551 | \$ | 29.50 | 16,945,020 | 75,480,614 |

(a) Includes 126,531 shares repurchased during the third quarter of 2018 in connection with various employee compensation plans. These purchases do not count against the maximum number of shares that may yet be purchased under the Board of Directors authorization.
(b) During the first quarter of 2018, the Bancorp announced that its Board of Directors had authorized management to purchase 100 million shares of the Bancorp s common stock through the open market or in any private party transactions. The authorization does not include specific price targets or an expiration date.

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Management s Discussion and Analysis of Financial Condition and Results of Operations (continued)

## OFF-BALANCE SHEET ARRANGEMENTS

In the ordinary course of business, the Bancorp enters into financial transactions that are considered off-balance sheet arrangements as they involve varying elements of market, credit and liquidity risk in excess of the amounts recognized in the Bancorp s Condensed Consolidated Balance Sheets. The Bancorp s off-balance sheet arrangements include commitments, guarantees, contingent liabilities and transactions with non-consolidated VIEs. A brief discussion of these transactions is as follows:

## Commitments

The Bancorp has certain commitments to make future payments under contracts, including commitments to extend credit, letters of credit, forward contracts related to residential mortgage loans held for sale, noncancelable operating lease obligations, purchase obligations, capital commitments for private equity investments, capital expenditures and capital lease obligations. Refer to Note 16 of the Notes to Condensed Consolidated Financial Statements for additional information on commitments.

## Guarantees and Contingent Liabilities

The Bancorp has performance obligations upon the occurrence of certain events provided in certain contractual arrangements, including residential mortgage loans sold with representation and warranty provisions or credit recourse. Refer to Note 16 of the Notes to Condensed Consolidated Financial Statements for additional information on guarantees and contingent liabilities.

## Transactions with Non-consolidated VIEs

The Bancorp engages in a variety of activities that involve VIEs, which are legal entities that lack sufficient equity to finance their activities, or the equity investors of the entities as a group lack any of the characteristics of a controlling interest. The investments in those entities in which the Bancorp was determined not to be the primary beneficiary but holds a variable interest in the entity are accounted for under the equity method of accounting or other accounting standards as appropriate and not consolidated. Refer to Note 10 of the Notes to Condensed Consolidated Financial Statements for additional information on non-consolidated VIEs.

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Quantitative and Qualitative Disclosure about Market Risk (Item 3)

Information presented in the Market Risk Management section of Management s Discussion and Analysis of Financial Condition and Results of Operations is incorporated herein by reference.

## Controls and Procedures (Item 4)

The Bancorp conducted an evaluation, under the supervision and with the participation of the Bancorp s management, including the Bancorp s Chief Executive Officer and Chief Financial Officer, of the effectiveness of the design and operation of the Bancorp s disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934). Based on the foregoing, as of the end of the period covered by this report, the Bancorp s Chief Executive Officer and Chief Financial Officer concluded that the Bancorp s disclosure controls and procedures were effective, in all material respects, to ensure that information required to be disclosed in the reports the Bancorp files and submits under the Securities Exchange Act of 1934 is recorded, processed, summarized and reported as and when required and information is accumulated and communicated to the Bancorp s management, including its Chief Executive Officer and Chief Financial Officer, as appropriate to allow timely decisions regarding required disclosure.

The Bancorp s management also conducted an evaluation of internal control over financial reporting to determine whether any changes occurred during the period covered by this report that have materially affected, or are reasonably likely to materially affect, the Bancorp s internal control over financial reporting. Based on this evaluation, there has been no such change during the period covered by this report.

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Fifth Third Bancorp and Subsidiaries
Condensed Consolidated Financial Statements and Notes (Item 1)

CONDENSED CONSOLIDATED BALANCE SHEETS (unaudited)

| (\$ in millions, except share data) | As of |  |
| :---: | :---: | :---: |
|  | $\begin{gathered} \text { September 30, } \\ 2018 \end{gathered}$ | $\begin{gathered} \text { December 31, } \\ 2017 \end{gathered}$ |
| Assets |  |  |
| Cash and due from banks | \$ 2,100 | 2,514 |
| Other short-term investments ${ }^{(a)}$ | 1,429 | 2,753 |
| Available-for-sale debt and other securities ${ }^{(b)}$ | 31,808 | 31,751 |
| Held-to-maturity securities ${ }^{(c)}$ | 18 | 24 |
| Trading debt securities | 269 | 492 |
| Equity securities | 500 | 439 |
| Loans and leases held for sale ${ }^{(d)}$ | 663 | 492 |
| Portfolio loans and leases ${ }^{(a)(e)}$ | 93,443 | 91,970 |
| Allowance for loan and lease losses ${ }^{(a)}$ | $(1,091)$ | $(1,196)$ |
| Portfolio loans and leases, net | 92,352 | 90,774 |
| Bank premises and equipment ${ }^{(f)}$ | 1,896 | 2,003 |
| Operating lease equipment | 546 | 646 |
| Goodwill | 2,462 | 2,445 |
| Intangible assets | 28 | 27 |
| Servicing rights | 1,010 | 858 |
| Other assets ${ }^{(a)}$ | 6,604 | 6,975 |
| Total Assets | \$ 141,685 | 142,193 |
| Liabilities |  |  |
| Deposits: |  |  |
| Noninterest-bearing deposits | \$ 31,803 | 35,276 |
| Interest-bearing deposits | 72,539 | 67,886 |
| Total deposits | 104,342 | 103,162 |
| Federal funds purchased | 2,316 | 174 |
| Other short-term borrowings | 1,114 | 4,012 |
| Accrued taxes, interest and expenses | 1,155 | 1,412 |
| Other liabilities ${ }^{(a)}$ | 2,448 | 2,144 |
| Long-term debt ${ }^{(a)}$ | 14,460 | 14,904 |
| Total Liabilities | \$ 125,835 | 125,808 |
| Equity |  |  |
| Common stock ${ }^{(g)}$ | \$ 2,051 | 2,051 |
| Preferred stock ${ }^{(h)}$ | 1,331 | 1,331 |
| Capital surplus | 2,856 | 2,790 |
| Retained earnings | 16,440 | 15,122 |
| Accumulated other comprehensive (loss) income | (775) | 73 |
| Treasury stock(g) | $(6,073)$ | $(5,002)$ |
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| Total Bancorp shareholders | equity | $\mathbf{\$ ~ 1 5 , 8 3 0}$ | 16,365 |
| :--- | ---: | ---: | ---: |
| Noncontrolling interests | $\mathbf{2 0}$ | 20 |  |
| Total Equity | $\mathbf{1 5 , 8 5 0}$ | 16,385 |  |
| Total Liabilities and Equity | $\mathbf{\$ 1 4 1 , 6 8 5}$ | 142,193 |  |

(a) Includes $\$ 41$ and $\$ 62$ of other short-term investments, $\$ 793$ and $\$ 1,297$ of portfolio loans and leases, $\$(4)$ and $\$(6)$ of ALLL, $\$ 5$ and $\$ 7$ of other assets, $\$ 1$ and $\$ 2$ of other liabilities, and $\$ 710$ and $\$ 1,190$ of long-term debt from consolidated VIEs that are included in their respective captions above at September 30, 2018 and December 31, 2017, respectively. For further information refer to Note 10.
(b) Amortized cost of $\$ 32,707$ and $\$ 31,577$ at September 30, 2018 and December 31, 2017, respectively.
(c) Fair value of $\$ 18$ and $\$ 24$ at September 30, 2018 and December 31, 2017, respectively.
(d) Includes $\$ 563$ and $\$ 399$ of residential mortgage loans held for sale measured at fair value and $\$ \mathbf{6}$ and $\$ 0$ of commercial loans held for sale measured at fair value at September 30, 2018 and December 31, 2017, respectively.
(e) Includes $\$ 172$ and $\$ 137$ of residential mortgage loans measured at fair value at September 30, 2018 and December 31, 2017, respectively.
(f) Includes $\$ 38$ and $\$ 27$ of bank premises and equipment held for sale at September 30, 2018 and December 31, 2017, respectively. For further information refer to Note 7.
(g) Common shares: Stated value $\$ 2.22$ per share; authorized 2,000,000,000; outstanding at September 30, 2018 661,372,797 (excludes 262,519,784 treasury shares), December 31, 2017 693,804,893 (excludes 230,087,688 treasury shares).
(h) 446,000 shares of undesignated no par value preferred stock are authorized and unissued at September 30, 2018 and December 31, 2017; fixed-to-floating rate non-cumulative Series H perpetual preferred stock with a $\$ 25,000$ liquidation preference: 24,000 authorized shares, issued and outstanding at September 30, 2018 and December 31, 2017; fixed-to-floating rate non-cumulative Series I perpetual preferred stock with a $\$ 25,000$ liquidation preference; 18,000 authorized shares, issued and outstanding at September 30, 2018 and December 31, 2017; and fixed-to-floating rate non-cumulative Series J perpetual preferred stock with a $\$ 25,000$ liquidation preference: 12,000 authorized shares, issued and outstanding at September 30, 2018 and December 31, 2017.
Refer to the Notes to Condensed Consolidated Financial Statements.

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Fifth Third Bancorp and Subsidiaries
Condensed Consolidated Financial Statements and Notes (continued)

## CONDENSED CONSOLIDATED STATEMENTS OF

 INCOME (unaudited)| (\$ in millions, except share data) | For the three months ended September 30, |  |  | For the nine months ended September 30, |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 2017 | 2018 | 2017 |
| Interest Income |  |  |  |  |  |
| Interest and fees on loans and leases | \$ | 1,040 | 899 | 2,975 | 2,595 |
| Interest on securities |  | 269 | 249 | 798 | 739 |
| Interest on other short-term investments |  | 6 | 4 | 17 | 10 |
| Total interest income |  | 1,315 | 1,152 | 3,790 | 3,344 |
| Interest Expense |  |  |  |  |  |
| Interest on deposits |  | 144 | 73 | 359 | 197 |
| Interest on federal funds purchased |  | 10 | 2 | 17 | 4 |
| Interest on other short-term borrowings |  | 6 | 12 | 25 | 24 |
| Interest on long-term debt |  | 112 | 95 | 330 | 277 |
| Total interest expense |  | 272 | 182 | 731 | 502 |
| Net Interest Income |  | 1,043 | 970 | 3,059 | 2,842 |
| Provision for loan and lease losses |  | 86 | 67 | 142 | 193 |
| Net Interest Income After Provision for |  |  |  |  |  |
| Loan and Lease Losses |  | 957 | 903 | 2,917 | 2,649 |
| Noninterest Income |  |  |  |  |  |
| Service charges on deposits |  | 139 | 138 | 414 | 415 |
| Wealth and asset management revenue |  | 114 | 102 | 335 | 313 |
| Corporate banking revenue |  | 100 | 101 | 308 | 276 |
| Card and processing revenue |  | 82 | 79 | 245 | 232 |
| Mortgage banking net revenue |  | 49 | 63 | 158 | 170 |
| Other noninterest income |  | 86 | 1,076 | 794 | 1,237 |
| Securities (losses) gains, net |  | (6) | - | (21) | 1 |
| Securities (losses) gains, net - non-qualifying hedges on mortgage servicing rights |  | (1) | 2 | (18) | 4 |
| Total noninterest income |  | 563 | 1,561 | 2,215 | 2,648 |
| Noninterest Expense |  |  |  |  |  |
| Salaries, wages and incentives |  | 421 | 407 | 1,339 | 1,215 |
| Employee benefits |  | 82 | 77 | 270 | 274 |
| Net occupancy expense |  | 70 | 74 | 219 | 221 |
| Technology and communications |  | 71 | 62 | 206 | 177 |
| Equipment expense |  | 31 | 30 | 92 | 88 |
| Card and processing expense |  | 31 | 32 | 91 | 95 |
| Other noninterest expense |  | 302 | 293 | 873 | 848 |
| Total noninterest expense |  | 1,008 | 975 | 3,090 | 2,918 |

[^0]| Edgar Filing: FIFTH THIRD BANCORP - Form 10-Q |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Income Before Income Taxes |  | 512 | 1,489 | 2,042 | 2,379 |
| Applicable income tax expense |  | 79 | 475 | 321 | 694 |
| Net Income |  | 433 | 1,014 | 1,721 | 1,685 |
| Less: Net income attributable to noncontrolling interests |  | - | - | . |  |
| Net Income Attributable to Bancorp |  | 433 | 1,014 | 1,721 | 1,685 |
| Dividends on preferred stock |  | 15 | 15 | 52 | 52 |
| Net Income Available to Common |  |  |  |  |  |
| Earnings per share - basic | \$ | 0.62 | 1.37 | 2.43 | 2.19 |
| Earnings per share - diluted | \$ | 0.61 | 1.35 | 2.38 | 2.16 |
| Average common shares outstanding - |  |  |  |  |  |
| Average common shares outstanding -dilutedRefer to the Notes to Condensed Consolidated Financial Statements. |  |  |  |  |  |
|  |  |  |  |  |  |

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Fifth Third Bancorp and Subsidiaries
Condensed Consolidated Financial Statements and Notes (continued)

## CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (unaudited)

| (\$ in millions) | For the three months ended September 30, |  |  | For the nine months ended September 30, |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 18 | 2017 | 2018 | 2017 |
| Net Income | \$ | 433 | 1,014 | 1,721 | 1,685 |
| Other Comprehensive (Loss) Income, Net of Tax: |  |  |  |  |  |
| Unrealized (losses) gains on available-for-sale debt securities: |  |  |  |  |  |
| Unrealized holding (losses) gains arising during period |  | (207) | 22 | (834) | 130 |
| Reclassification adjustment for net losses included in net income |  | - | 1 | 7 | 2 |
| Unrealized (losses) gains on cash flow hedge derivatives: |  |  |  |  |  |
| Unrealized holding (losses) gains arising during period |  | (19) |  | (24) | 2 |
| Reclassification adjustment for net losses (gains) included in net income |  | 2 | (2) | 2 | (11) |
| Defined benefit pension plans, net: |  |  |  |  |  |
| Net actuarial loss arising during period |  | (2) | (2) | (2) | (3) |
| Reclassification of amounts to net periodic benefit costs |  | 3 | 3 | 5 | 6 |
| Other comprehensive (loss) income, net of tax |  | (223) | 22 | (846) | 126 |
| Comprehensive Income |  | 210 | 1,036 | 875 | 1,811 |
| Less: Comprehensive income attributable to noncontrolling interests |  | - | - | - | - |
| Comprehensive Income Attributable to Bancorp | \$ | 210 | 1,036 | 875 | 1,811 |
| Refer to the Notes to Condensed Consolidated Financial |  |  |  |  |  |

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Fifth Third Bancorp and Subsidiaries
Condensed Consolidated Financial Statements and Notes (continued)

## CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY (unaudited)



[^1]Preferred stock ${ }^{(b)}$
(52)
(52)

Shares acquired for treasury 41
$41(1,094)(1,053)$ $(1,053)$
Impact of stock transactions under stock

| compensation plans, net | 25 | 21 | 46 | 46 |
| :--- | :--- | ---: | ---: | ---: |
| Other |  | $(2)$ | 2 | - |

Balanceat
$\begin{array}{llllllllll}\text { September 30, } 2018 & \$ 2,051 & 1,331 & 2,856 & \mathbf{1 6 , 4 4 0} & \mathbf{( 7 7 5 )} & \mathbf{( 6 , 0 7 3 )} & \mathbf{1 5 , 8 3 0} & \mathbf{1 5} & \mathbf{1 5 , 8 5 0}\end{array}$
(a) Dividends declared per common share were $\$ 0.18$ and $\$ 0.16$ for the three months ended September 30, 2018 and 2017, respectively, and $\$ 0.52$ and $\$ 0.44$ for the nine months ended September 30, 2018 and 2017, respectively.
(b) For both the three months ended September 30, 2018 and 2017, dividends were $\$ 414.06$ per preferred share for Perpetual Preferred Stock, Series I and $\mathbf{\$ 6 1 2 . 5 0}$ per preferred share for Perpetual Preferred Stock, Series J. For both the nine months ended September 30, 2018 and 2017, dividends were $\mathbf{\$ 6 3 7 . 5 0}$ per preferred share for Perpetual Preferred Stock, Series H, \$1,242.18 per preferred share for Perpetual Preferred Stock, Series I and \$1,225.00 per preferred share for Perpetual Preferred Stock, Series J.
(c) Related to the adoption as of January 1, 2018 of ASU 2016-01, ASU 2017-12 and ASU 2018-02. Refer to Note 3 for additional information.
Refer to the Notes to Condensed Consolidated Financial Statements.

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## Fifth Third Bancorp and Subsidiaries

Condensed Consolidated Financial Statements and Notes (continued)

## CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (unaudited)



[^2]| Available-for-sale debt and other securities |  | $(13,322)$ | $(8,849)$ |
| :---: | :---: | :---: | :---: |
| Bank premises and equipment |  | (145) | (155) |
| MSRs |  | (82) | (109) |
| Proceeds from settlement of BOLI |  | 11 | 8 |
| Proceeds from sales and dividends representing return of equity method investments |  | 601 | 1,358 |
| Net cash paid on acquisitions |  | (20) | (12) |
| Net change in: |  |  |  |
| Other short-term investments |  | 1,324 | (544) |
| Loans and leases |  | $(1,882)$ | (191) |
| Operating lease equipment |  | 40 | (6) |
| Net Cash (Used in) Provided by Investing Activities |  | (901) | 914 |
| Financing Activities |  |  |  |
| Net change in: |  |  |  |
| Deposits |  | 1,180 | $(2,369)$ |
| Federal funds purchased |  | 2,142 | (14) |
| Other short-term borrowings |  | $(2,898)$ | 2,153 |
| Dividends paid on common stock |  | (347) | (339) |
| Dividends paid on preferred stock |  | (60) | (38) |
| Proceeds from issuance of long-term debt |  | 2,438 | 1,444 |
| Repayment of long-term debt |  | $(2,774)$ | $(1,794)$ |
| Repurchase of treasury stock and related forward contract |  | $(1,053)$ | $(1,332)$ |
| Other |  | (68) | (40) |
| Net Cash Used in Financing Activities |  | $(1,440)$ | $(2,329)$ |
| Decrease in Cash and Due from Banks |  | (414) | (187) |
| Cash and Due from Banks at Beginning of Period |  | 2,514 | 2,392 |
| Cash and Due from Banks at End of Period | \$ | 2,100 | 2,205 |
| Refer to the Notes to Condensed Consolidated Financial Statements. Note 2 contains cash payments related to interest and income taxes in addition to non-cash investing and financing activities. |  |  |  |

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Fifth Third Bancorp and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited)

## 1. Basis of Presentation

The Condensed Consolidated Financial Statements include the accounts of the Bancorp and its majority-owned subsidiaries and VIEs in which the Bancorp has been determined to be the primary beneficiary. Other entities, including certain joint ventures, in which the Bancorp has the ability to exercise significant influence over operating and financial policies of the investee, but upon which the Bancorp does not possess control, are accounted for by the equity method and not consolidated. Those entities in which the Bancorp does not have the ability to exercise significant influence are generally accounted for utilizing the measurement alternative to fair value which permits carrying the investment at its cost basis, as adjusted for impairments and observable price changes. Intercompany transactions and balances have been eliminated.

In the opinion of management, the unaudited Condensed Consolidated Financial Statements include all adjustments, which consist of normal recurring accruals, necessary to present fairly the results for the periods presented. In accordance with U.S. GAAP and the rules and regulations of the SEC for interim financial information, these statements do not include certain information and footnote disclosures required for complete annual financial statements and it is suggested that these Condensed Consolidated Financial Statements be read in conjunction with the Bancorp s Annual Report on Form 10-K. The results of operations and comprehensive income for the three and nine months ended September 30, 2018 and 2017 and the cash flows and changes in equity for the nine months ended September 30, 2018 and 2017 are not necessarily indicative of the results to be expected for the full year. Financial information as of December 31, 2017 has been derived from the Bancorp s Annual Report on Form 10-K.

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. Actual results could differ from those estimates.

## 2. Supplemental Cash Flow Information

Cash payments related to interest and income taxes in addition to non-cash investing and financing activities are presented in the following table for the nine months ended September 30:

| (\$ in millions) | $\mathbf{2 0 1 8}$ | 2017 |  |
| :--- | :---: | :---: | :---: |
| Cash Payments: | $\mathbf{\$ 1}$ | $\mathbf{7 6 0}$ | 556 |
| Interest | $\mathbf{2 9 7}$ | 439 |  |

## Transfers:

| Portfolio loans to loans held for sale | $\mathbf{2 1 2}$ | 152 |
| :--- | ---: | ---: |
| Loans held for sale to portfolio loans | $\mathbf{8 3}$ | 11 |
| Portfolio loans to OREO | $\mathbf{2 8}$ | 28 |

## 3. Accounting and Reporting Developments

## Standards Adopted in 2018

The Bancorp adopted the following new accounting standards effective January 1, 2018:

## ASU 2014-09 Revenue from Contracts with Customers (Topic 606)

In May 2014, the FASB issued ASU 2014-09 which outlines a single comprehensive model for entities to use in accounting for revenue arising from contracts with customers and supersedes most contract revenue recognition guidance, including industry-specific guidance. The core principle of the amended guidance is that an entity should 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. Subsequent to the issuance of ASU 2014-09, the FASB issued additional guidance to clarify certain implementation issues, including ASUs 2016-08 (Principal versus Agent Considerations), 2016-10 (Identifying Performance Obligations and Licensing), 2016-12 (Narrow-Scope Improvements and Practical Expedients), and 2016-20 (Technical Corrections and Improvements) in March, April, May and December 2016, respectively. These amendments did not change the core principles in ASU 2014-09 and follow the same effective date and transition requirements. The Bancorp adopted the amended guidance on January 1, 2018, using a modified retrospective approach. Because the amended guidance does not apply to revenue associated with financial instruments, including loans and securities that are accounted for under other U.S. GAAP, the adoption of this amended guidance did not have a material impact on the Bancorp s Condensed Consolidated Financial Statements. However, the Bancorp is subject to expanded disclosure requirements and has updated its revenue recognition policies and procedures. While the Bancorp has concluded the following changes are not material to its Condensed Consolidated Financial Statements, upon adoption the Bancorp changed its presentation of certain underwriting expenses incurred by its broker-dealer subsidiary from net to gross presentation and also changed its presentation of certain credit card rewards program expenses from gross to net presentation. Neither change impacts income before income taxes or net income.

In conjunction with adoption of ASU 2014-09, the Bancorp is providing the following additional disclosures about its significant accounting and reporting policies related to revenue recognition.

## Revenue Recognition

The Bancorp generally measures revenue based on the amount of consideration the Bancorp expects to be entitled for the transfer of goods or services to a customer, then recognizes this revenue when or as the Bancorp satisfies its performance obligations under the contract, except in transactions where U.S. GAAP provides other applicable guidance. When the amount of consideration is variable, the Bancorp will only recognize revenue to the extent that it is probable that the cumulative amount recognized will not be subject to a significant reversal in the future.

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## Fifth Third Bancorp and Subsidiaries

Notes to Condensed Consolidated Financial Statements (unaudited)

Substantially all of the Bancorp s contracts with customers have expected durations of one year or less and payments are typically due when or as the services are rendered or shortly thereafter. When third parties are involved in providing goods or services to customers, the Bancorp recognizes revenue on a gross basis when it has control over those goods or services prior to transfer to the customer; otherwise, revenue is recognized for the net amount of any fee or commission. The Bancorp excludes sales taxes from the recognition of revenue and recognizes the incremental costs of obtaining contracts as an expense if the period of amortization for those costs would be one year or less.

The Bancorp s interest income is derived from loans and leases, securities and other short-term investments. The Bancorp recognizes interest income in accordance with the applicable guidance in U.S. GAAP for these assets. Refer to the Portfolio Loans and Leases and Securities sections in Note 1 of the Notes to Consolidated Financial Statements included in the Bancorp s Annual Report on Form 10-K for the year ended December 31, 2017 for further information. The following provides additional information about the components of noninterest income:

Service charges on deposits consist primarily of treasury management fees for commercial clients, monthly service charges on consumer deposit accounts, transaction-based fees (such as overdraft fees and wire transfer fees), and other deposit account-related charges. The Bancorp s performance obligations for treasury management fees and consumer deposit account service charges are typically satisfied over time while performance obligations for transaction-based fees are typically satisfied at a point in time. Revenues are recognized on an accrual basis when or as the services are provided to the customer, net of applicable discounts, waivers and reversals. Payments are typically collected from customers directly from the related deposit account at the time the transaction is processed and/or at the end of the customer s statement cycle (typically monthly).
Wealth and asset management revenue consists primarily of service fees for investment management, custody, and trust administration services provided to commercial and consumer clients. The Bancorp s performance obligations for these services are generally satisfied over time and revenues are recognized monthly based on the fee structure outlined in individual contracts. Transaction prices are most commonly based on the market value of assets under management or care and/or a fee per transaction processed. The Bancorp offers certain services, like tax return preparation, for which the performance obligations are satisfied and revenue is recognized at a point in time, when the services are performed. Wealth and asset management revenue also includes trailing commissions received from investments and annuities held in customer accounts, which are recognized in revenue when the Bancorp determines it is probable that the commission will be received.
Corporate banking revenue consists primarily of service fees and other income related to loans and leases to commercial clients, underwriting revenue recognized by the Bancorp s broker-dealer subsidiary and fees for other services provided to commercial clients. Revenue related to loans and leases is recognized in accordance with the Bancorp s policies for portfolio loans and leases. Underwriting revenue is generally recognized on the trade date, which is when the Bancorp s performance obligations are satisfied.

Card and processing revenue consists primarily of ATM fees and interchange fees earned when the Bancorp s credit and debit cards are processed through card association networks. The Bancorp s performance obligations are generally complete when the transactions generating the fees are processed. Revenue is recognized on an accrual basis as such services are performed, net of certain costs not controlled by the Bancorp (primarily interchange fees charged by credit card associations and expenses of certain transaction-based rewards programs offered to customers). These costs reduced card and processing revenue by approximately $\$ 33$ million and $\$ 93$ million for the three and nine months ended September 30, 2018, respectively.
Mortgage banking net revenue consists primarily of origination fees and gains on loan sales, mortgage servicing fees and the impact of MSRs. Refer to the Loans and Leases Held for Sale and Loan Sales and Securitizations sections in Note 1 of the Notes to Consolidated Financial Statements included in the Bancorp s Annual Report on Form 10-K for the year ended December 31, 2017 for further information.
Other noninterest income includes income from operating leases, certain fees derived from loans and leases, BOLI income, gains and losses on other assets, and other miscellaneous revenues and gains.

## ASU 2016-01 Financial Instruments Overall (Subtopic 825-10): Recognition and Measurement of Financial Assets and Financial Liabilities

In January 2016, the FASB issued ASU 2016-01 which revises an entity s accounting related to 1) the classification and measurement of investments in equity securities, 2) the presentation of certain fair value changes for financial liabilities measured at fair value, and 3) certain disclosure requirements associated with the fair value of financial instruments. The amendments require equity investments (except those accounted for under the equity method of accounting or those that result in consolidation of the investee) to be measured at fair value with changes in fair value recognized in net income. However, 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 as a result of an observable price change. The amendments also simplify the impairment assessment of equity investments for which fair value is not readily determinable by requiring an entity to perform a qualitative assessment to identify impairment. If qualitative indicators are identified, the entity will be required to measure the investment at fair value. For financial liabilities that an entity has elected to measure at fair value, the amendments require an entity to present separately in OCI the portion of the change in fair value that results from a change in instrument-specific credit risk. For public business entities, the amendments 1) eliminate the requirement to disclose the method(s) and significant assumptions used to estimate fair value for financial instruments measured at amortized cost and 2 ) require, for disclosure purposes, the use of an exit price notion in the determination of the fair value of financial instruments. In February 2018, the FASB also issued ASU 2018-03 which makes technical corrections and improvements to the amendments in ASU 2016-01. The Bancorp adopted the amended guidance on January 1, 2018. As permitted, the Bancorp elected to early adopt ASU 2018-03 on January 1, 2018, concurrent with the adoption of ASU 2016-01. The adoption did not have a material impact on the Condensed Consolidated Financial Statements. However, equity securities affected by the amended guidance which were previously classified as trading or available-for-sale have been reclassified in the Condensed Consolidated Balance Sheets as equity securities. For certain equity securities without a readily determinable fair value that are not accounted for using the equity method, the Bancorp has elected to use the permitted measurement alternative, which is to adjust the cost basis of the investment upon either the occurrence of an observable price change or the identification of an impairment. For these securities, the amended guidance was applied prospectively to investments that existed on or after January 1, 2018. The other portions of the amended guidance were applied on a modified retrospective basis.

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## Fifth Third Bancorp and Subsidiaries

Notes to Condensed Consolidated Financial Statements (unaudited)

## ASU 2016-04 Liabilities Extinguishments of Liabilities (Subtopic 405-20): Recognition of Breakage for Certain Prepaid Stored-Value Products

In March 2016, the FASB issued ASU 2016-04 which permits proportional derecognition of the liability for unused funds on certain prepaid stored-value products (known as breakage) to the extent that it is probable that a significant reversal of the recognized breakage amount will not subsequently occur. The amendments do not apply to any prepaid stored-value products that are attached to a segregated customer deposit account or products for which unused funds are subject to unclaimed property remittance laws. The Bancorp adopted the amended guidance on January 1, 2018 using a modified retrospective approach. The adoption did not have a material impact on the Condensed Consolidated Financial Statements.

## ASU 2016-15 Statement of Cash Flows (Topic 230): Classification of Certain Cash Receipts and Cash Payments

In August 2016, the FASB issued ASU 2016-15 to clarify the classification of certain cash receipts and payments within an entity s statement of cash flows. These items include debt prepayment or extinguishment costs, settlement of zero-coupon debt instruments, contingent consideration payments made after a business combination, proceeds from the settlement of insurance claims, proceeds from the settlement of BOLI policies, distributions received from equity method investees, and beneficial interests in securitization transactions. The amended guidance also specifies how to address classification of cash receipts and payments that have aspects of more than one class of cash flows. The Bancorp adopted the amended guidance retrospectively on January 1, 2018. The adoption did not have a material impact on the Condensed Consolidated Financial Statements.

## ASU 2016-16 Income Taxes (Topic 740): Intra-Entity Transfers of Assets Other Than Inventory

In October 2016, the FASB issued ASU 2016-16 which requires an entity to recognize the income tax consequences of an intra-entity transfer of an asset other than inventory when the transfer occurs. Current U.S. GAAP prohibits the recognition of current and deferred income taxes for an intra-entity asset transfer until the asset has been sold to an outside party. The Bancorp adopted the amended guidance on January 1, 2018 using a modified retrospective approach. The adoption did not have a material impact on the Condensed Consolidated Financial Statements.

## ASU 2017-01 Business Combinations (Topic 805): Clarifying the Definition of a Business

In January 2017, the FASB issued ASU 2017-01 which clarifies the definition of a business in order to assist entities with evaluating whether transactions should be accounted for as acquisitions (or disposals) of assets or businesses. The amended guidance provides a screen which states that when substantially all of the fair value of assets acquired (or disposed) is concentrated in a single asset or group of similar assets, then the set of assets and activities would not be considered a business. The Bancorp adopted the amended guidance prospectively on January 1, 2018 and will apply this amended guidance to future transactions to determine if they should be accounted for as acquisitions (or disposals) of assets or businesses.

ASU 2017-05 Other Income Gains and Losses from the Derecognition of Nonfinancial Assets (Subtopic 610-20): Clarifying the Scope of Asset Derecognition Guidance and Accounting for Partial Sales of Nonfinancial Assets

In February 2017, the FASB issued ASU 2017-05 which clarifies the scope of Subtopic 610-20 and defines the term in substance nonfinancial asset. The amendments require that an entity should initially identify each distinct nonfinancial asset or in substance nonfinancial asset promised to a counterparty and derecognize each asset when a counterparty obtains control of it. The amendments provide specific guidance on accounting for partial sales of nonfinancial assets, which require an entity to derecognize a distinct nonfinancial asset or in substance nonfinancial asset in a partial sale transaction when it 1) does not have (or ceases to have) a controlling financial interest in the legal entity that holds the asset and 2) transfers control of the asset. Once an entity transfers control of a distinct nonfinancial asset or distinct in substance nonfinancial asset, it is required to measure any noncontrolling interest it receives (or retains) at fair value. The Bancorp adopted the amended guidance on January 1, 2018 using a modified retrospective approach. The adoption did not have a material impact on the Condensed Consolidated Financial Statements.

## ASU 2017-09 Compensation Stock Compensation (Topic 718): Scope of Modification Accounting

In May 2017, the FASB issued ASU 2017-09 which provides guidance about which changes to the terms or conditions of a share-based payment award require the application of modification accounting in Topic 718. The amendments specify that an entity should account for the effects of such changes as a modification unless the fair value, vesting conditions and classification (as an equity or liability) of the awards are all unaffected by the change. The Bancorp adopted the amended guidance prospectively on January 1, 2018. The adoption did not have a material impact on the Condensed Consolidated Financial Statements.

## ASU 2017-12 Derivatives and Hedging (Topic 815): Targeted Improvements to Accounting for Hedging Activities

In August 2017, the FASB issued ASU 2017-12 which makes several amendments to existing guidance for hedge accounting. As permitted, the Bancorp elected to early adopt the amended guidance on January 1, 2018. For certain fair value hedges of interest rate risk, the Bancorp elected to modify the measurement methodology for the hedged item to be the benchmark rate component of the contractual coupon cash flows and also elected to de-designate a portion of the existing hedging relationship, as permitted. Upon adoption, changes in the fair value of cash flow hedges are recorded in AOCI and then subsequently reclassified into earnings when the hedged item affects earnings. Also, for both fair value hedges and cash flow hedges, changes in the fair value of the derivative instrument are recorded in the same income statement line item as the effects of the hedged item, eliminating the separate measurement of hedge ineffectiveness. The Bancorp recorded a cumulative-effect adjustment to retained earnings for the impact of these elections as well as the elimination of the separate measurement of ineffectiveness from AOCI for cash flow hedges existing at January 1, 2018, the amount of which was not material. The amended presentation and disclosure guidance was applied prospectively.

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## Fifth Third Bancorp and Subsidiaries

Notes to Condensed Consolidated Financial Statements (unaudited)

## ASU 2018-02 Income Statement Reporting Comprehensive Income (Topic 220): Reclassification of Certain Tax Effects from Accumulated Other Comprehensive Income

In February 2018, the FASB issued ASU 2018-02 which allows for reclassification from AOCI to retained earnings of stranded tax effects resulting from the TCJA. Stranded tax effects result from the reduction in the top federal statutory income tax rate from 35 percent to 21 percent as deferred tax assets and liabilities are adjusted for the impact of a change in tax rate through income tax expense, even in situations when the related items giving rise to the deferred taxes are components of AOCI, which are carried net of tax. As permitted, the Bancorp elected to early adopt this amended guidance and recorded a reclassification adjustment from AOCI to retained earnings as of January 1, 2018, the amount of which was not material.

## Standards Issued but Not Yet Adopted

The following accounting standards were issued but not yet adopted by the Bancorp as of September 30, 2018:
ASU 2016-02 Leases (Topic 842)
In February 2016, the FASB issued ASU 2016-02 which establishes a new accounting model for leases. The amended guidance requires lessees to record lease liabilities on the lessees balance sheets along with corresponding right-of-use assets for all leases with terms longer than twelve months. Leases will be classified as either finance or operating, with classification affecting the pattern of expense recognition in the lessee s statements of income. From a lessor perspective, the accounting model is largely unchanged, except that the amended guidance includes certain targeted improvements to align, where necessary, lessor accounting with the lessee accounting model and the revenue recognition guidance in ASC Topic 606. The amendments also modify disclosure requirements for an entity s lease arrangements. The amended guidance is effective for the Bancorp on January 1, 2019, with early adoption permitted. The amended guidance contains certain transition relief provisions that, among other things, permit an entity to elect not to reassess the classification of leases which existed or expired as of the date the amendments are effective.

Subsequent to the issuance of ASU 2016-02, the FASB has issued additional guidance to clarify certain implementation issues and provide transition relief in certain circumstances including ASUs 2018-01 (Land Easement Practical Expedient, issued in January 2018), 2018-10 (Codification Improvements, issued in July 2018), and 2018-11 (Targeted Improvements, also issued in July 2018). These subsequent amendments do not change the core principles in the original ASU, but do provide an additional optional transition method which is to initially apply the amended guidance at the adoption date and record a cumulative-effect adjustment to opening retained earnings without retrospective application to prior comparative periods. Entities not electing to use this optional transition method must apply the amended guidance on a modified retrospective basis to all periods presented.

The Bancorp will adopt the amended guidance on the required effective date of January 1, 2019, and expects to elect the transition relief provisions and the optional transition method to record a cumulative effect adjustment to retained earnings on the adoption date without applying the guidance to prior comparative periods. From a lessee perspective,
the Bancorp has finalized its inventory of leases, accumulated the data necessary to apply the amended guidance and is in the process of implementing a business process to execute the new measurement and disclosure requirements. The Bancorp is continuing to finalize its evaluation of the impact of the amended guidance on its Condensed Consolidated Financial Statements, but the effects of recognizing most operating leases on the Condensed Consolidated Balance Sheets are expected to be material. As of September 30, 2018, the Bancorp expects to recognize right-of-use assets and lease liabilities in the range of $\$ 400$ million to $\$ 500$ million for substantially all of its operating lease commitments based on the present value of unpaid lease payments as of the date of adoption, but does not expect a material impact to expense recognition. From a lessor perspective, given the limited changes, the Bancorp does not currently expect adoption of the amended guidance to have a material impact on its Condensed Consolidated Financial Statements at transition. While the evaluation process is ongoing, the Bancorp currently expects that the amended guidance may prospectively impact the classification of certain leases, the presentation of lessor costs and the recognition and measurement of initial direct costs. The Bancorp also expects to record a cumulative-effect adjustment to retained earnings upon adoption to recognize any remaining deferred gains on sale-leaseback transactions that occurred prior to the date of initial application. The Bancorp had approximately $\$ 14$ million of such deferred gains recorded as of September 30, 2018. These expectations may change as the implementation process continues.

## ASU 2016-13 Financial Instruments Credit Losses (Topic 326): Measurement of Credit Losses on Financial Instruments

In June 2016, the FASB issued ASU 2016-13 which establishes a new approach to estimate credit losses on certain types of financial instruments. The new approach changes the impairment model for most financial assets, and will require the use of an expected credit loss model for financial instruments measured at amortized cost and certain other instruments. This model applies to trade and other receivables, loans, debt securities, net investments in leases, and off-balance-sheet credit exposures (such as loan commitments, standby letters of credit, and financial guarantees not accounted for as insurance). This model requires entities to estimate the lifetime expected credit loss on such instruments and record an allowance that represents the portion of the amortized cost basis that the entity does not expect to collect. This allowance is deducted from the financial asset s amortized cost basis to present the net amount expected to be collected. The new expected credit loss model will also apply to purchased financial assets with credit deterioration, superseding current accounting guidance for such assets. The amended guidance also amends the impairment model for available-for-sale debt securities, requiring entities to determine whether all or a portion of the unrealized loss on such securities is a credit loss, and also eliminating the option for management to consider the length of time a security has been in an unrealized loss position as a factor in concluding whether or not a credit loss exists. The amended model states that an entity will recognize an allowance for credit losses on available-for-sale debt securities as a contra account to the amortized cost basis, instead of a direct reduction of the amortized cost basis of the investment, as under current guidance. As a result, entities will recognize improvements to estimated credit losses on available-for-sale debt securities immediately in earnings as opposed to in interest income over time. There are also additional disclosure requirements included in this guidance. The amended guidance is effective for the Bancorp on January 1, 2020. Early adoption is permitted as soon as January 1, 2019, but the Bancorp currently expects to adopt on the mandatory effective date.

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The amended guidance is to be applied on a modified retrospective basis with the cumulative effect of initially applying the amendments recognized in retained earnings at the date of initial application. However, certain provisions of the guidance are only required to be applied on a prospective basis. While the Bancorp is currently in the process of evaluating the impact of the amended guidance on its Condensed Consolidated Financial Statements, it currently expects the ALLL to increase upon adoption given that the allowance will be required to cover the full remaining expected life of the portfolio upon adoption, rather than the incurred loss model under current U.S. GAAP. The extent of this increase is still being evaluated and will depend on economic conditions and the composition of the Bancorp s loan and lease portfolio at the time of adoption.

## ASU 2017-04 Intangibles Goodwill and Other (Topic 350): Simplifying the Test for Goodwill Impairment

In January 2017, the FASB issued ASU 2017-04 which simplifies the test for goodwill impairment by removing the second step, which measures the amount of impairment loss, if any. Instead, the amended guidance states that an entity should recognize an impairment charge for the amount by which the carrying amount exceeds the reporting unit s fair value, except that the loss recognized should not exceed the total amount of goodwill allocated to that reporting unit. This would apply to all reporting units, including those with zero or negative carrying amounts of net assets. The amended guidance is effective for the Bancorp on January 1, 2020, with early adoption permitted, and is to be applied prospectively to all goodwill impairment tests performed after the adoption date.

## ASU 2017-08 Receivables Nonrefundable Fees and Other Costs (Subtopic 310-20): Premium Amortization on Purchased Callable Debt Securities

In March 2017, the FASB issued ASU 2017-08 which shortens the amortization period for certain callable debt securities held at a premium. Specifically, the amendments require the premium to be amortized to the earliest call date. The amendments do not require an accounting change for securities held at a discount; the discount continues to be amortized to maturity. The amended guidance is effective for the Bancorp on January 1, 2019, with early adoption permitted, and is to be applied on a modified retrospective basis through a cumulative-effect adjustment directly to retained earnings as of the beginning of the period of adoption. The Bancorp shall provide a disclosure regarding the change in accounting principle. The Bancorp plans to adopt the amended guidance on its required effective date of January 1, 2019 and is currently in the process of evaluating the impact of the amended guidance on its Condensed Consolidated Financial Statements. However, the Bancorp does not currently expect the impact of adoption to be material.

ASU 2018-13 Fair Value Measurement (Topic 820): Disclosure Framework Changes to the Disclosure Requirements for Fair Value Measurement

In August 2018, the FASB issued ASU 2018-13 which modifies the disclosure requirements for fair value measurements. The amendments remove the requirements to disclose the amount of and reasons for transfers between Level 1 and Level 2 of the fair value hierarchy, the policy for timing of transfers between levels and the valuation processes for Level 3 fair value measurements. The amendments also add new disclosure requirements regarding
unrealized gains and losses from recurring Level 3 fair value measurements and the significant unobservable inputs used to develop Level 3 fair value measurements. The amended guidance is effective for the Bancorp on January 1, 2020 with early adoption permitted. Certain of the amendments are to be applied prospectively while others are to be applied retrospectively. Also, early adoption of the removed and modified disclosure requirements is permitted before adoption of the newly added requirements. The Bancorp is in the process of evaluating the impact of the amended guidance on its Condensed Consolidated Financial Statements.

ASU 2018-15: Intangibles Goodwill and Other Internal-Use Software (Subtopic 350-40): Customer s Accounting for Implementation Costs Incurred in a Cloud Computing Arrangement That Is a Service Contract

In August 2018, the FASB issued ASU 2018-15 which provides guidance on the accounting for implementation, setup, and other upfront costs incurred by customers in cloud computing arrangements that are accounted for as service contracts. The amendments require that implementation costs be evaluated for capitalization using the framework applicable to costs incurred to develop or obtain internal-use software. Those capitalized costs are to be expensed over the term of the cloud computing arrangement and presented in the same financial statement line items as the service contract and its associated fees. The amended guidance is effective for the Bancorp on January 1, 2020, with early adoption permitted, and may be applied either retrospectively or prospectively. The Bancorp is in the process of evaluating the impact of the amended guidance on its Condensed Consolidated Financial Statements.

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## 4. Investment Securities

The following tables provide the amortized cost, unrealized gains and losses and fair value for the major categories of the available-for-sale debt and other securities and held-to-maturity investment securities portfolios as of:

| September 30, 2018 (\$ in millions) | Amortized Cost |  | Unrealized Gains | Unrealized Losses | Fair <br> Value |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Available-for-sale debt and other securities: |  |  |  |  |  |
| U.S. Treasury and federal agencies securities | \$ | 98 | - | (3) | 95 |
| Obligations of states and political subdivisions securities |  | 2 | - | - | 2 |
| Mortgage-backed securities: |  |  |  |  |  |
| Agency residential mortgage-backed securities |  | 16,447 | 15 | (489) | 15,973 |
| Agency commercial mortgage-backed securities |  | 10,405 | 4 | (363) | 10,046 |
| Non-agency commercial mortgage-backed securities |  | 3,169 | 4 | (76) | 3,097 |
| Asset-backed securities and other debt securities |  | 2,035 | 20 | (11) | 2,044 |
| Other securities ${ }^{(a)}$ |  | 551 | - | - | 551 |
| Total available-for-sale debt and other securities | \$ | 32,707 | 43 | (942) | 31,808 |
| Held-to-maturity securities: |  |  |  |  |  |
| Obligations of states and political subdivisions securities | \$ | 16 | - | - | 16 |
| Asset-backed securities and other debt securities |  | 2 | - | - | 2 |
| Total held-to-maturity securities | \$ | 18 | - | - | 18 |

(a) Other securities consist of $F H L B, F R B$ and DTCC restricted stock holdings of $\$ 184, \$ 365$ and $\$ 2$, respectively, at September 30, 2018, that are carried at cost.

| December 31, 2017 (\$ in millions) | Amortized Cost | Unrealized Gains | Unrealized Losses | Fair <br> Value |
| :---: | :---: | :---: | :---: | :---: |
| Available-for-sale debt and other securities: |  |  |  |  |
| U.S. Treasury and federal agencies securities | \$ 98 | - | - | 98 |
| Obligations of states and political subdivisions securities | 43 | 1 | - | 44 |
| Mortgage-backed securities: |  |  |  |  |
| Agency residential mortgage-backed securities ${ }^{(a)}$ | 15,281 | 118 | (80) | 15,319 |
| Agency commercial mortgage-backed securities | 10,113 | 92 | (38) | 10,167 |
| Non-agency commercial mortgage-backed securities | 3,247 | 51 | (5) | 3,293 |
| Asset-backed securities and other debt securities | 2,183 | 46 | (11) | 2,218 |
| Other securities ${ }^{(b)}$ | 612 | - | - | 612 |


| Total available-for-sale debt and other securities | $\$ 31,577$ | 308 | (134) | 31,751 |  |
| :--- | :---: | ---: | :---: | ---: | ---: |
| Held-to-maturity securities: | $\$$ | 22 | - | - | 22 |
| Obligations of states and political subdivisions securities |  | 2 | - | - | 2 |
| Asset-backed securities and other debt securities | $\$$ | 24 | - | - | 24 |
| Total held-to-maturity securities |  |  |  |  |  |

(a) Includes interest-only mortgage-backed securities of $\$ 34$ as of December 31, 2017, recorded at fair value with fair value changes recorded in securities (losses) gains, net, in the Condensed Consolidated Statements of Income.
(b) Other securities consist of FHLB, FRB and DTCC restricted stock holdings of $\$ 248, \$ 362$ and $\$ 2$, respectively, at December 31, 2017, that are carried at cost.
The following table provides the fair value of trading debt securities and equity securities as of:

|  | September 30, | December 31, |  |
| :--- | :---: | ---: | :---: |
| (\$ in millions) | $\mathbf{2 0 1 8}$ | 2017 |  |
| Trading debt securities | $\$$ | $\mathbf{2 6 9}$ | 492 |
| Equity securities |  | $\mathbf{5 0 0}$ | 439 |

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The following table presents net realized gains and losses that were recognized in income from available-for-sale debt and other securities as well as total (losses) gains that were recognized in income from trading debt securities and equity securities:

| (\$ in millions) For | For the three months ended For the nine months ended |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Available-for-sale debt and other securities: |  |  |  |  |  |
| Realized gains | \$ | 4 | 24 | 60 | 53 |
| Realized losses |  | (4) | (21) | (69) | (28) |
| OTTI ${ }^{(a)}$ |  | - | (4) | - | (28) |
| Net realized losses on available-for sale debt and other securities ${ }^{(b)}$ | \$ | - | (1) | (9) | (3) |
| Total trading debt securities (losses) gains ${ }^{(c)}$ | \$ | (1) | 2 | (20) | 5 |
| Total equity securities (losses) gains ${ }^{(d)(e)}$ | \$ | (6) | 3 | (13) | 6 |
| Total (losses) gains recognized in income from available-for-sale debt and other securities, trading debt securities and equity securities | \$ | (7) | 4 | (42) | 8 |

(a) Included in securities (losses) gains, net in the Condensed Consolidated Statements of Income.
(b) Excludes net gains on interest-only mortgage-backed securities of $\mathbf{\$ 0}$ and $\mathbf{\$ 1}$ for the three and nine months ended September 30, 2018, respectively, and net losses of $\$ 1$ and $\$ 2$ for the three and nine months ended September 30, 2017, respectively.
(c) Includes an immaterial net loss and a net loss of $\$ 2$ for the three and nine months ended September 30, 2018, respectively, and net gains of $\$ 1$ for both the three and nine months ended September 30, 2017 recorded in corporate banking revenue and wealth and asset management revenue in the Condensed Consolidated Statements of Income.
(d) Includes an immaterial net loss and an immaterial net gain for the three and nine months ended September 30, 2018, respectively, and immaterial net gains for both the three and nine months ended September 30, 2017 recorded in corporate banking revenue and wealth and asset management revenue in the Condensed Consolidated Statements of Income.
(e) Includes net unrealized losses of $\$ 6$ and $\$ 12$ for the three and nine months ended September 30, 2018, respectively, and net unrealized gains of $\$ 2$ and $\$ 4$ for the three and nine months ended September 30, 2017, respectively.
At September 30, 2018 and December 31, 2017, investment securities with a fair value of $\$ 6.3$ billion and $\$ 7.8$ billion, respectively, were pledged to secure borrowings, public deposits, trust funds, derivative contracts and for other purposes as required or permitted by law.

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The expected maturity distribution of the Bancorp s mortgage-backed securities and the contractual maturity distribution of the remainder of the Bancorp s available-for-sale debt and other securities and held-to-maturity investment securities as of September 30, 2018 are shown in the following table:

| (\$ in millions) | Available-for-Sale Debt and Other |  |  | Held-to-Maturity |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Amo | tized | air Value | ized | alue |
| Debt securities: ${ }^{(a)}$ |  |  |  |  |  |
| Less than 1 year | \$ | 14 | 14 | - | - |
| 1-5 years |  | 9,080 | 8,882 | 16 | 16 |
| 5-10 years |  | 18,305 | 17,771 | - | - |
| Over 10 years |  | 4,757 | 4,590 | 2 | 2 |
| Other securities |  | 551 | 551 | - | - |
| Total | \$ | 32,707 | 31,808 | 18 | 18 |

(a) Actual maturities may differ from contractual maturities when a right to call or prepay obligations exists with or without call or prepayment penalties.
The following table provides the fair value and gross unrealized losses on available-for-sale debt and other securities in an unrealized loss position, aggregated by investment category and length of time the individual securities have been in a continuous unrealized loss position as of:

|  | Less than <br> Fair Value | 12 months <br> Unrealized <br> Losses | Fair Value | onths or ore Unrealized Losses | Fair Value | tal <br> Unrealized <br> Losses |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| September 30, 2018 |  |  |  |  |  |  |
| U.S. Treasury and federal agency securities | \$ 95 | (3) | - | - | 95 | (3) |
| Agency residential mortgage-backed securities | 11,073 | (286) | 3,559 | (203) | 14,632 | (489) |
| Agency commercial mortgage-backed securities | 7,820 | (269) | 1,701 | (94) | 9,521 | (363) |
| Non-agency commercial mortgage-backed securities | 2,511 | (63) | 214 | (13) | 2,725 | (76) |
| Asset-backed securities and other debt securities | 627 | (4) | 397 | (7) | 1,024 | (11) |
| Total | \$ 22,126 | (625) | 5,871 | (317) | 27,997 | (942) |
| December 31, 2017 |  |  |  |  |  |  |
| U.S. Treasury and federal agency securities | \$ 98 | - | - | - | 98 | - |
| Agency residential mortgage-backed securities | 7,337 | (59) | 479 | (21) | 7,816 | (80) |
| Agency commercial mortgage-backed securities | 2,900 | (22) | 526 | (16) | 3,426 | (38) |
| Non-agency commercial mortgage-backed securities | 449 | (2) | 145 | (3) | 594 | (5) |
| Asset-backed securities and other debt securities | 317 | (2) | 386 | (9) | 703 | (11) |

Total $\quad \$ 11,101 \quad$ (85) $1,536 \quad$ (49) $12,637 \quad$ (134)

At both September 30, 2018 and December 31, 2017, an immaterial amount of unrealized losses in the available-for-sale debt and other securities portfolio were represented by non-rated securities.

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## 5. Loans and Leases

The Bancorp diversifies its loan and lease portfolio by offering a variety of loan and lease products with various payment terms and rate structures. Lending activities are generally concentrated within those states in which the Bancorp has banking centers and are primarily located in the Midwestern and Southeastern regions of the U.S. The Bancorp s commercial loan and lease portfolio consists of lending to various industry types. Management periodically reviews the performance of its loan and lease products to evaluate whether they are performing within acceptable interest rate and credit risk levels and changes are made to underwriting policies and procedures as needed. The Bancorp maintains an allowance to absorb loan and lease losses inherent in the portfolio. For further information on credit quality and the ALLL, refer to Note 6.

The following table provides a summary of commercial loans and leases classified by primary purpose and consumer loans classified based upon product or collateral as of:

| (\$ in millions) | $\begin{gathered} \text { September 30, } \\ 2018 \end{gathered}$ |  | $\begin{gathered} \text { December 31, } \\ 2017 \end{gathered}$ |
| :---: | :---: | :---: | :---: |
| Loans and leases held for sale: |  |  |  |
| Commercial and industrial loans | \$ | 94 | - |
| Commercial mortgage loans |  | 6 | 6 |
| Residential mortgage loans |  | 563 | 486 |
| Total loans and leases held for sale | \$ | 663 | 492 |
| Portfolio loans and leases: |  |  |  |
| Commercial and industrial loans | \$ | 42,631 | 41,170 |
| Commercial mortgage loans |  | 6,695 | 6,604 |
| Commercial construction loans |  | 4,892 | 4,553 |
| Commercial leases |  | 3,697 | 4,068 |
| Total commercial loans and leases | \$ | 57,915 | 56,395 |
| Residential mortgage loans | \$ | 15,585 | 15,591 |
| Home equity |  | 6,485 | 7,014 |
| Automobile loans |  | 9,002 | 9,112 |
| Credit card |  | 2,325 | 2,299 |
| Other consumer loans |  | 2,131 | 1,559 |
| Total consumer loans | \$ | 35,528 | 35,575 |
| Total portfolio loans and leases | \$ | 93,443 | 91,970 |

Portfolio loans and leases are recorded net of unearned income, which totaled $\$ 485$ million as of September 30, 2018 and $\$ 523$ million as of December 31, 2017. Additionally, portfolio loans and leases are recorded net of unamortized premiums and discounts, deferred direct loan origination fees and costs and fair value adjustments (associated with acquired loans or loans designated as fair value upon origination) which totaled a net premium of $\$ 294$ million and
$\$ 282$ million as of September 30, 2018 and December 31, 2017, respectively.
The Bancorp s FHLB and FRB advances are generally secured by loans. The Bancorp had loans of $\$ 13.2$ billion and $\$ 13.0$ billion at September 30, 2018 and December 31, 2017, respectively, pledged at the FHLB, and loans of $\$ 41.9$ billion and $\$ 39.8$ billion at September 30, 2018 and December 31, 2017, respectively, pledged at the FRB.

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The following table presents a summary of the total loans and leases owned by the Bancorp as of:

| (\$ in millions) | Carrying Value |  | 90 Days Past Due and Still Accruing |  |
| :---: | :---: | :---: | :---: | :---: |
|  | September 30, December 31,September 30, ecember 31, |  |  |  |
|  | 2018 | 2017 | 2018 | 2017 |
| Commercial and industrial loans | \$ 42,725 | 41,170 | 3 | 3 |
| Commercial mortgage loans | 6,701 | 6,610 | 1 | - |
| Commercial construction loans | 4,892 | 4,553 | - | - |
| Commercial leases | 3,697 | 4,068 | - | - |
| Residential mortgage loans | 16,148 | 16,077 | 40 | 57 |
| Home equity | 6,485 | 7,014 | - | - |
| Automobile loans | 9,002 | 9,112 | 11 | 10 |
| Credit card | 2,325 | 2,299 | 32 | 27 |
| Other consumer loans | 2,131 | 1,559 | - | - |
| Total loans and leases | \$94,106 | 92,462 | 87 | 97 |
| Less: Loans and leases held for sale | 663 | 492 |  |  |
| Total portfolio loans and leases | \$ 93,443 | 91,970 |  |  |

The following table presents a summary of net charge-offs (recoveries):

| (\$ in millions) | For the three months ended September 30, |  |  | ```For the nine months ended September 30, 2018 2017``` |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Commercial and industrial loans | \$ | 28 | 27 | 102 | 79 |
| Commercial mortgage loans |  | (1) | 3 | 3 | 13 |
| Commercial construction loans |  | - | - | - |  |
| Commercial leases |  | - | - | - | 2 |
| Residential mortgage loans |  | 2 | (1) | 6 | 5 |
| Home equity |  | 3 | 3 | 9 | 14 |
| Automobile loans |  | 9 | 8 | 28 | 26 |
| Credit card |  | 21 | 20 | 72 | 64 |
| Other consumer loans |  | 10 | 8 | 27 | 18 |
| Total net charge-offs | \$ | 72 | 68 | 247 | 221 |

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## 6. Credit Quality and the Allowance for Loan and Lease Losses

The Bancorp disaggregates ALLL balances and transactions in the ALLL by portfolio segment. Credit quality related disclosures for loans and leases are further disaggregated by class.

## Allowance for Loan and Lease Losses

The following tables summarize transactions in the ALLL by portfolio segment:

| Residential |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| For the three months ended September 30, 2018 (\$ in millions) |  |  |  |  |  |  |
|  | Commercial |  | Mortgage | Consumer | Unallocated | Total |
| Balance, beginning of period | \$ | 654 | 86 | 229 | 108 | 1,077 |
| Losses charged-off ${ }^{(a)}$ |  | (36) | (3) | (73) | - | (112) |
| Recoveries of losses previously charged-off ${ }^{(a)}$ |  | 9 | 1 | 30 | - | 40 |
| Provision for (benefit from) loan and lease losses |  | 29 | (1) | 57 | 1 | 86 |
| Balance, end of period | \$ | 656 | 83 | 243 | 109 | 1,091 |

(a) For the three months ended September 30, 2018, the Bancorp recorded $\$ 8$ in both losses charged-off and recoveries of losses charged-off related to customer defaults on point-of-sale consumer loans for which the Bancorp obtained recoveries under third-party credit enhancements.

Residential
For the three months ended September 30, 2017 (\$

| in millions) | Commercial |  | Mortgage | Consumer | Unallocated | Total |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Balance, beginning of period | $\$$ | 817 | 93 | 206 | 110 | 1,226 |
| Losses charged-off |  | $(33)$ | $(2)$ | $(50)$ | - | $(85)$ |
| Recoveries of losses previously charged-off |  | 3 | 3 | 11 | - | 17 |
| Provision for (benefit from) loan and lease losses |  | 9 | $(4)$ | 51 | 11 | 67 |
| Deconsolidation of a VIE ${ }^{(a)}$ | $(19)$ | - | - | $(1)$ | $(20)$ |  |
| Balance, end of period | $\$$ | 777 | 90 | 218 | 120 | 1,205 |

(a) Refer to Note 10 for further discussion on the deconsolidation of a VIE.

| Residential |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| For the nine months ended September 30, 2018 (\$ in millions) |  | ercial | Mortgage | Consumer | Unallocated | Total |
| Balance, beginning of period | \$ | 753 | 89 | 234 | 120 | 1,196 |


| Losses charged-off | $(a)$ | $(\mathbf{1 2 4})$ | $\mathbf{( 1 0 )}$ | $\mathbf{( 2 0 0 )}$ | - |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Recoveries of losses previously charged-off | $(a)$ | $\mathbf{1 9}$ | $\mathbf{4}$ | $\mathbf{6 4}$ | - |
| Provision for (benefit from) loan and lease losses | $\mathbf{8}$ | - | $\mathbf{1 4 5}$ | $\mathbf{( 1 1 )}$ | $\mathbf{1 4 2}$ |
| Balance, end of period | $\$$ | $\mathbf{6 5 6}$ | $\mathbf{8 3}$ | $\mathbf{2 4 3}$ | $\mathbf{1 0 9}$ |
| $\mathbf{1 0 0 9 1}$ |  |  |  |  |  |

(a) For the nine months ended September 30, 2018, the Bancorp recorded $\$ 18$ in both losses charged-off and recoveries of losses charged-off related to customer defaults on point-of-sale consumer loans for which the Bancorp obtained recoveries under third-party credit enhancements.

|  | Residential |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| For the nine months ended September 30, 2017 (\$ <br> in millions) | Commercial | Mortgage | Consumer | Unallocated | Total |  |
| Balance, beginning of period | $\$$ | 831 | 96 | 214 | 112 | 1,253 |
| Losses charged-off |  | $(119)$ | $(12)$ | $(156)$ | - | $(287)$ |
| Recoveries of losses previously charged-off |  | 25 | 7 | 34 | - | 66 |
| Provision for (benefit from) loan and lease losses |  | 59 | $(1)$ | 126 | 9 | 193 |
| Deconsolidation of a VIE ${ }^{(a)}$ |  | $(19)$ | - | - | $(1)$ | $(20)$ |
| Balance, end of period | $\$$ | 777 | 90 | 218 | 120 | 1,205 |

(a) Refer to Note 10 for further discussion on the deconsolidation of a VIE.

The following tables provide a summary of the ALLL and related loans and leases classified by portfolio segment:

| As of September 30, 2018 (\$ in millions) | Residential |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Commercial |  | Mortgage | Consumer | Unallocated | Total |
| ALLL:(a) |  |  |  |  |  |  |
| Individually evaluated for impairment | \$ | 66 | 64 | 38 | - | 168 |
| Collectively evaluated for impairment |  | 590 | 19 | 205 | - | 814 |
| Unallocated |  | - | - | - | 109 | 109 |
| Total ALLL | \$ | 656 | 83 | 243 | 109 | 1,091 |
| Portfolio loans and leases: ${ }^{(b)}$ |  |  |  |  |  |  |
| Individually evaluated for impairment | \$ | 345 | 757 | 285 | - | 1,387 |
| Collectively evaluated for impairment |  | 57,570 | 14,656 | 19,658 | - | 91,884 |
| Total portfolio loans and leases | \$ | 57,915 | 15,413 | 19,943 | - | 93,271 |

(a) Includes $\$ 1$ related to leveraged leases at September 30, 2018.
(b) Excludes $\$ \mathbf{1 7 2}$ of residential mortgage loans measured at fair value and includes $\$ \mathbf{6 3 8}$ of leveraged leases, net of unearned income at September 30, 2018.

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| As of December 31, 2017 (\$ in millions) | Residential |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Commercial |  | Mortgage | Consumer | Unallocated | Total |
| ALLL: ${ }^{(a)}$ |  |  |  |  |  |  |
| Individually evaluated for impairment | \$ | 94 | 64 | 42 | - | 200 |
| Collectively evaluated for impairment |  | 659 | 25 | 192 | - | 876 |
| Unallocated |  | - | - | - | 120 | 120 |
| Total ALLL | \$ | 753 | 89 | 234 | 120 | 1,196 |
| Portfolio loans and leases: ${ }^{(b)}$ |  |  |  |  |  |  |
| Individually evaluated for impairment | \$ | 560 | 665 | 320 | - | 1,545 |
| Collectively evaluated for impairment |  | 55,835 | 14,787 | 19,664 | - | 90,286 |
| Loans acquired with deteriorated credit quality |  | - | 2 | - | - | 2 |
| Total portfolio loans and leases | \$ | 56,395 | 15,454 | 19,984 | - | 91,833 |

(a) Includes \$1 related to leveraged leases at December 31, 2017.
(b) Excludes $\$ 137$ of residential mortgage loans measured at fair value and includes $\$ 674$ of leveraged leases, net of unearned income at December 31, 2017.

## CREDIT RISK PROFILE

## Commercial Portfolio Segment

For purposes of analyzing historical loss rates used in the determination of the ALLL and monitoring the credit quality and risk characteristics of its commercial portfolio segment, the Bancorp disaggregates the segment into the following classes: commercial and industrial, commercial mortgage owner-occupied, commercial mortgage nonowner-occupied, commercial construction and commercial leases.

To facilitate the monitoring of credit quality within the commercial portfolio segment, and for purposes of analyzing historical loss rates used in the determination of the ALLL for the commercial portfolio segment, the Bancorp utilizes the following categories of credit grades: pass, special mention, substandard, doubtful and loss. The five categories, which are derived from standard regulatory rating definitions, are assigned upon initial approval of credit to borrowers and updated periodically thereafter.

Pass ratings, which are assigned to those borrowers that do not have identified potential or well-defined weaknesses and for which there is a high likelihood of orderly repayment, are updated at least annually based on the size and credit characteristics of the borrower. All other categories are updated on a quarterly basis during the month preceding the end of the calendar quarter.

The Bancorp assigns a special mention rating to loans and leases that have potential weaknesses that deserve management s close attention. If left uncorrected, these potential weaknesses may, at some future date, result in the deterioration of the repayment prospects for the loan or lease or the Bancorp s credit position.

The Bancorp assigns a substandard rating to loans and leases that are inadequately protected by the current sound worth and paying capacity of the borrower or of the collateral pledged. Substandard loans and leases have well-defined weaknesses or weaknesses that could jeopardize the orderly repayment of the debt. Loans and leases in this grade also are characterized by the distinct possibility that the Bancorp will sustain some loss if the deficiencies noted are not addressed and corrected.

The Bancorp assigns a doubtful rating to loans and leases that have all the attributes of a substandard rating with the added characteristic that the weaknesses make collection or liquidation in full, on the basis of currently existing facts, conditions and values, highly questionable and improbable. The possibility of loss is extremely high, but because of certain important and reasonable specific pending factors that may work to the advantage of and strengthen the credit quality of the loan or lease, its classification as an estimated loss is deferred until its more exact status may be determined. Pending factors may include a proposed merger or acquisition, liquidation proceeding, capital injection, perfecting liens on additional collateral or refinancing plans.

Loans and leases classified as loss are considered uncollectible and are charged-off in the period in which they are determined to be uncollectible. Because loans and leases in this category are fully charged-off, they are not included in the following tables.

The following tables summarize the credit risk profile of the Bancorp s commercial portfolio segment, by class:

| As of September 30, 2018 (\$ in millions) | Pass |  | Special |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Commercial and industrial loans | \$ | 41,008 | 776 | 847 | - | 42,631 |
| Commercial mortgage owner-occupied loans |  | 3,162 | 50 | 112 |  | 3,324 |
| Commercial mortgage nonowner-occupied loans |  | 3,316 | 40 | 15 |  | 3,371 |
| Commercial construction loans |  | 4,892 | - | - | - | 4,892 |
| Commercial leases |  | 3,538 | 74 | 85 | - | 3,697 |
| Total commercial loans and leases | \$ | $\mathbf{5 5 , 9 1 6}$ | 940 | 1,059 |  | 57,915 |

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Notes to Condensed Consolidated Financial Statements (unaudited)

| As of December 31, 2017 (\$ in millions) | Pass |  | Special <br> Mention | Substandard | Doubtful | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Commercial and industrial loans | \$ | 38,813 | 1,115 | 1,235 | 7 | 41,170 |
| Commercial mortgage owner-occupied loans |  | 3,207 | 75 | 80 | - | 3,362 |
| Commercial mortgage nonowner-occupied loans |  | 3,117 | 28 | 97 | - | 3,242 |
| Commercial construction loans |  | 4,553 | - | - | - | 4,553 |
| Commercial leases |  | 3,922 | 72 | 74 | - | 4,068 |
| Total commercial loans and leases | \$ | 53,612 | 1,290 | 1,486 | 7 | 56,395 |
| Residential Mortgage and Consumer Portfolio S |  |  |  |  |  |  |

For purposes of monitoring the credit quality and risk characteristics of its consumer portfolio segment, the Bancorp disaggregates the segment into the following classes: home equity, automobile loans, credit card and other consumer loans. The Bancorp s residential mortgage portfolio segment is also a separate class.

The Bancorp considers repayment performance as the best indicator of credit quality for residential mortgage and consumer loans, which includes both the delinquency status and performing versus nonperforming status of the loans. The delinquency status of all residential mortgage and consumer loans is presented by class in the age analysis section while the performing versus nonperforming status is presented in the following table. Refer to the nonaccrual loans and leases section of Note 1 of the Notes to Consolidated Financial Statements included in the Bancorp s Annual Report on Form 10-K for the year ended December 31, 2017 for additional delinquency and nonperforming information.

The following table presents a summary of the Bancorp s residential mortgage and consumer portfolio segments, by class, disaggregated into performing versus nonperforming status as of:

|  | September 30, 2018 |  | December 31, 2017 |  |
| :--- | ---: | ---: | ---: | :---: |
| (\$ in millions) | Performing | Nonperforming | Performing | Nonperforming |
| Residential mortgage loans ${ }^{(a)}$ | $\mathbf{\$ 1 5 , 3 9 0}$ | $\mathbf{2 3}$ | 15,424 | 30 |
| Home equity | $\mathbf{6 , 4 1 1}$ | $\mathbf{7 4}$ | 6,940 | 74 |
| Automobile loans | $\mathbf{9 , 0 0 1}$ | $\mathbf{1}$ | 9,111 | 1 |
| Credit card | $\mathbf{2 , 2 9 9}$ | $\mathbf{2 6}$ | 2,273 | 26 |
| Other consumer loans | $\mathbf{2 , 1 3 0}$ | $\mathbf{1}$ | 1,559 | - |
| Total residential mortgage and consumer loans | $\mathbf{\$ 3 5 , 2 3 1}$ | $\mathbf{1 2 5}$ | 35,307 | 131 |

(a) Excludes $\$ 172$ and $\$ 137$ of residential mortgage loans measured at fair value at September 30, 2018 and December 31, 2017, respectively.

## Age Analysis of Past Due Loans and Leases

The following tables summarize the Bancorp s recorded investment in portfolio loans and leases, by age and class:

| As of September 30, 2018 (\$ in millions) | Current <br> Loans and Leases $(b)(c)$ |  | $\begin{gathered} 30-89 \\ \text { Days }(c) \end{gathered}$ | Di Due |  | 90 Days Past <br> LoanDue and Still |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Commercial loans and leases: |  |  |  |  |  |  |  |  |
| Commercial and industrial loans | \$ | 42,481 | 22 | 128 | 150 | 42,631 |  |  |
| Commercial mortgage owner-occupied loans |  | 3,314 | 3 | 7 | 10 | 3,324 |  |  |
| Commercial mortgage nonowner-occupied loans |  | 3,363 | 5 | 3 | 8 | 3,371 |  |  |
| Commercial construction loans |  | 4,884 | 8 |  | 8 | 4,892 |  |  |
| Commercial leases |  | 3,693 |  | 4 | 4 | 3,697 |  |  |
| Residential mortgage loans ${ }^{(a)}$ |  | 15,321 | 29 | 63 | 92 | 15,413 | 40 |  |
| Consumer loans: |  |  |  |  |  |  |  |  |
| Home equity |  | 6,366 | 68 | 51 | 119 | 6,485 |  |  |
| Automobile loans |  | 8,891 | 99 | 12 | 111 | 9,002 | 11 |  |
| Credit card |  | 2,245 | 42 | 38 | 80 | 2,325 | 32 |  |
| Other consumer loans |  | 2,116 | 14 | 1 | 15 | 2,131 |  |  |
| Total portfolio loans and leases | \$ | 92,674 | 290 | 307 | 597 | 93,271 | 87 |  |
| (a) Excludes \$172 of residential mortgage loans measured at fair value at September 30, 2018. |  |  |  |  |  |  |  |  |
| (b) Information includes advances made pursuant to servicing agreements for GNMA mortgage pools whose repayments are insured by the FHA or guaranteed by the VA. As of September 30, 2018, $\mathbf{\$ 8 0}$ of these loans were $30-89$ days past due and $\$ 198$ were 90 days or more past due. The Bancorp recognized $\$ 1$ and $\$ 4$ of losses during the three and nine months ended September 30, 2018, respectively, due to claim denials and curtailments associated with these insured or guaranteed loans. <br> (c) Includes accrual and nonaccrual loans and leases. |  |  |  |  |  |  |  |  |

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## Notes to Condensed Consolidated Financial Statements (unaudited)

|  | Current |  | Past Due |  |  | 90 Days Past |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Loans and |  | 30-89 90 Days |  | Total Loans |  |  |
|  |  |  | Total |  | Uue and Stil |
|  |  |  |  | and |  |
| As of December 31, 2017 (\$ in millions) | Leases ${ }^{(b)(c)}$ |  |  |  | Days ${ }^{(c)}$ or More ${ }^{(c)}$ Past Due |  |  | Leases | Accruing |
| Commercial loans and leases: |  |  |  |  |  |  |  |
| Commercial and industrial loans | \$ | 41,027 |  |  | 42 | 101 | 143 | 41,170 | 3 |
| Commercial mortgage owner-occupied loans |  | 3,351 | 3 | 8 | 11 | 3,362 | - |
| Commercial mortgage nonowner-occupied |  |  |  |  |  |  |  |
| loans |  | 3,235 | - | 7 | 7 | 3,242 | - |
| Commercial construction loans |  | 4,552 | 1 | - | 1 | 4,553 | - |
| Commercial leases |  | 4,065 | 3 | - | 3 | 4,068 | - |
| Residential mortgage loans ${ }^{(a)}$ |  | 15,301 | 66 | 87 | 153 | 15,454 | 57 |
| Consumer loans: |  |  |  |  |  |  |  |
| Home equity |  | 6,888 | 70 | 56 | 126 | 7,014 | - |
| Automobile loans |  | 8,992 | 107 | 13 | 120 | 9,112 | 10 |
| Credit card |  | 2,230 | 36 | 33 | 69 | 2,299 | 27 |
| Other consumer loans |  | 1,554 | 5 | - | 5 | 1,559 | - |
| Total portfolio loans and leases | \$ | 91,195 | 333 | 305 | 638 | 91,833 | 97 |

(a) Excludes $\$ 137$ of residential mortgage loans measured at fair value at December 31, 2017.
(b) Information includes advances made pursuant to servicing agreements for GNMA mortgage pools whose repayments are insured by the FHA or guaranteed by the VA. As of December 31, 2017, $\$ 95$ of these loans were 30-89 days past due and $\$ 290$ were 90 days or more past due. The Bancorp recognized $\$ 1$ and $\$ 4$ of losses during the three and nine months ended September 30, 2017, respectively, due to claim denials and curtailments associated with these insured or guaranteed loans.
(c) Includes accrual and nonaccrual loans and leases.

Impaired Portfolio Loans and Leases

Larger commercial loans and leases included within aggregate borrower relationship balances exceeding $\$ 1$ million that exhibit probable or observed credit weaknesses are subject to individual review for impairment. The Bancorp also performs an individual review on loans and leases that are restructured in a TDR. The Bancorp considers the current value of collateral, credit quality of any guarantees, the loan structure and other factors when evaluating whether an individual loan or lease is impaired. Other factors may include the geography and industry of the borrower, size and financial condition of the borrower, cash flow and leverage of the borrower and the Bancorp s evaluation of the borrower s management. Smaller-balance homogenous loans or leases that are collectively evaluated for impairment are not included in the following tables.

The following tables summarize the Bancorp s impaired portfolio loans and leases, by class, that were subject to individual review, which includes all portfolio loans and leases restructured in a TDR:

| As of September 30, 2018 (\$ in millions) | Unpaid <br> Principal <br> Balance |  | Recorded Investment | ALLL |
| :---: | :---: | :---: | :---: | :---: |
| With a related ALLL: |  |  |  |  |
| Commercial loans and leases: |  |  |  |  |
| Commercial and industrial loans | \$ |  | 150 | 55 |
| Commercial mortgage owner-occupied loans |  | 2 | 2 | 1 |
| Commercial mortgage nonowner-occupied loans |  | 1 | 1 | - |
| Commercial leases |  | 27 | 27 | 10 |
| Restructured residential mortgage loans |  | 484 | 481 | 64 |
| Restructured consumer loans: |  |  |  |  |
| Home equity |  | 152 | 152 | 22 |
| Automobile loans |  | 5 | 5 | 1 |
| Credit card |  | 47 | 43 | 15 |
| Total impaired portfolio loans and leases with a related ALLL | \$ | 917 | 861 | 168 |
| With no related ALLL: |  |  |  |  |
| Commercial loans: |  |  |  |  |
| Commercial and industrial loans | \$ |  | 148 | - |
| Commercial mortgage owner-occupied loans |  | 8 | 5 | - |
| Commercial mortgage nonowner-occupied loans |  | 13 | 12 | - |
| Restructured residential mortgage loans |  | 294 | 276 | - |
| Restructured consumer loans: |  |  |  |  |
| Home equity |  | 87 | 84 | - |
| Automobile loans |  | 2 | 1 | - |
| Total impaired portfolio loans with no related ALLL | \$ | 575 | 526 | - |
| Total impaired portfolio loans and leases | \$ | 1,492 | 1,387 ${ }^{(a)}$ | 168 |

(a) Includes $\$ 80, \$ 745$ and $\$ 242$, respectively, of commercial, residential mortgage and consumer portfolio TDRs on accrual status and $\$ 180, \$ 12$ and $\$ 43$, respectively, of commercial, residential mortgage and consumer portfolio TDRs on nonaccrual status at September 30, 2018.

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|  | Unpaid <br> Principal <br> Recorded <br> Investment | ALLL |
| :--- | ---: | ---: | ---: |

(a) Includes $\$ 249$, $\$ 652$ and $\$ 275$, respectively, of commercial, residential mortgage and consumer portfolio TDRs on accrual status and $\$ 150, \$ 13$ and $\$ 45$, respectively, of commercial, residential mortgage and consumer portfolio TDRs on nonaccrual status at December 31, 2017.
The following tables summarize the Bancorp s average impaired portfolio loans and leases, by class, and interest income, by class:

|  | For the three months ended | For the nine months ended |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | September 30, | 2018 | September 30, 2018 |  |
|  | Average | Interest | Average | Interest |
| (\$ in millions) | Recorded | Income | Recorded | Income |
| Commercial loans and leases: | Investment | Recognized | Investment | Recognized |

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| :---: | :---: | :---: | :---: | :---: | :---: |
| Commercial and industrial loans | \$ | 313 | 3 | 408 | 13 |
| Commercial mortgage owner-occupied loans |  | 11 | - | 17 | - |
| Commercial mortgage nonowner-occupied loans |  | 21 | - | 27 | - |
| Commercial leases |  | 28 | - | 17 | - |
| Restructured residential mortgage loans |  | 767 | 7 | 744 | 21 |
| Restructured consumer loans: |  |  |  |  |  |
| Home equity |  | 239 | 3 | 248 | 9 |
| Automobile loans |  | 7 | - | 8 | - |
| Credit card |  | 44 | 1 | 44 | 3 |
| Total average impaired portfolio loans and leases | \$ | 1,430 | 14 | 1,513 | 46 |

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|  | For the three months ended |
| :--- | :---: | :---: | :---: | :---: | :---: |

Nonperforming Assets
Nonperforming assets include nonaccrual loans and leases for which ultimate collectability of the full amount of the principal and/or interest is uncertain; restructured commercial and credit card loans which have not yet met the requirements to be classified as a performing asset; restructured consumer loans which are 90 days past due based on the restructured terms unless the loan is both well-secured and in the process of collection; and certain other assets, including OREO and other repossessed property.

The following table presents the Bancorp s nonaccrual loans and leases, by class, and OREO and other repossessed property as of:

|  | September 30, <br> (\$ in millions) | December 31, <br> 2018 | 2017 |
| :--- | ---: | ---: | ---: |
| Commercial loans and leases: | $\mathbf{2 4 0}$ | 276 |  |
| Commercial and industrial loans | $\mathbf{9}$ | 19 |  |
| Commercial mortgage owner-occupied loans | $\mathbf{3}$ | 7 |  |
| Commercial mortgage nonowner-occupied loans | $\mathbf{2 6}$ | 4 |  |
| Commercial leases | $\mathbf{2 7 8}$ | 306 |  |
| Total nonaccrual portfolio commercial loans and leases | $\mathbf{2 3}$ | 30 |  |
| Residential mortgage loans |  |  |  |

Consumer loans:

| Home equity | $\mathbf{7 4}$ | $\mathbf{7 4}$ |  |
| :--- | ---: | ---: | ---: |
| Automobile loans | $\mathbf{1}$ | 1 |  |
| Credit card | $\mathbf{2 6}$ | 26 |  |
| Other consumer loans | $\mathbf{1}$ | - |  |
| Total nonaccrual portfolio consumer loans | $\mathbf{1 0 2}$ | 101 |  |
| Total nonaccrual portfolio loans and leases ${ }^{(a)(b)}$ | $\mathbf{4 0 3}$ | 437 |  |
| OREO and other repossessed property |  | $\mathbf{4 5}$ | 52 |
| Total nonperforming portfolio assets $(a)(b)$ | $\mathbf{\$}$ | $\mathbf{4 4 8}$ | 489 |

(a) Excludes $\$ 35$ and $\$ 6$ of nonaccrual loans held for sale at September 30, 2018 and December 31, 2017, respectively.
(b) Includes $\$ 4$ and $\$ 3$ of nonaccrual government insured commercial loans whose repayments are insured by the SBA at September 30, 2018 and December 31, 2017, respectively, of which $\$ 2$ and $\$ 3$ are restructured nonaccrual government insured commercial loans at September 30, 2018 and December 31, 2017, respectively.
The Bancorp s recorded investment of consumer mortgage loans secured by residential real estate properties for which formal foreclosure proceedings are in process according to local requirements of the applicable jurisdiction was $\$ 163$ million and $\$ 235$ million as of September 30, 2018 and December 31, 2017, respectively.

## Troubled Debt Restructurings

If a borrower is experiencing financial difficulty, the Bancorp may consider, in certain circumstances, modifying the terms of their loan to maximize collection of amounts due. Within each of the Bancorp s loan classes, TDRs typically involve either a reduction of the stated interest rate of the loan, an extension of the loan s maturity date with a stated rate lower than the current market rate for a new loan with similar risk or, in limited circumstances, a reduction of the principal balance of the loan or the loan s accrued interest. Modifying the terms of a loan may result in an increase or decrease to the ALLL depending upon the terms modified, the method used to measure the ALLL for a loan prior to modification and whether any charge-offs were recorded on the loan before or at the time of modification. Refer to the ALLL section of Note 1 of the Notes to Consolidated Financial Statements included in the Bancorp s Annual Report on Form 10-K for the year ended December 31, 2017 for information on the Bancorp s ALLL methodology. Upon modification of a loan, the Bancorp measures the related impairment as the difference between the estimated future cash flows expected to be collected on the modified loan, discounted at the original effective yield of the loan, and the carrying value of the loan. The resulting measurement may result in the need for minimal or no allowance because it is probable that all cash flows will be collected under the modified terms of the loan. In addition, if the stated interest rate was increased in a TDR, the cash flows on the modified loan, using the pre-modification interest rate as the discount rate, often exceed the recorded investment of the loan. Conversely, upon a modification that reduces the stated interest rate on a loan, the Bancorp recognizes an impairment loss as an increase to the ALLL. If a TDR involves a reduction of the principal balance of the loan or the loan $s$ accrued interest, that amount is charged off to the ALLL.

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The Bancorp had commitments to lend additional funds to borrowers whose terms have been modified in a TDR, consisting of line of credit and letter of credit commitments of $\$ 28$ million and $\$ 69$ million, respectively, as of September 30, 2018 compared with $\$ 53$ million and $\$ 78$ million, respectively, as of December 31, 2017.

The following tables provide a summary of loans and leases, by class, modified in a TDR by the Bancorp during the three months ended:

(a) Excludes all loans and leases held for sale and loans acquired with deteriorated credit quality which were accounted for within a pool.
(b) Represents number of loans post-modification and excludes loans previously modified in a TDR.


| Residential mortgage loans | 247 | 35 | 1 | - |
| :--- | :---: | :---: | :---: | :---: |
| Consumer loans: |  |  |  | - |
| Home equity | 38 | 2 | - | - |
| Automobile loans | 28 | - | - | - |
| Credit card | 2,021 | 10 | 2 | - |
| Total portfolio loans | 2,353 | $\$$ | 120 | $(3)$ |

(a) Excludes all loans and leases held for sale and loans acquired with deteriorated credit quality which were accounted for within a pool.
(b) Represents number of loans post-modification and excludes loans previously modified in a TDR.

The following tables provide a summary of loans and leases, by class, modified in a TDR by the Bancorp during the nine months ended:

(a) Excludes all loans and leases held for sale and loans acquired with deteriorated credit quality which were accounted for within a pool.
(b) Represents number of loans post-modification and excludes loans previously modified in a TDR.

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(a) Excludes all loans and leases held for sale and loans acquired with deteriorated credit quality which were accounted for within a pool.
(b) Represents number of loans post-modification and excludes loans previously modified in a TDR.

The Bancorp considers TDRs that become 90 days or more past due under the modified terms as subsequently defaulted. For commercial loans not subject to individual review for impairment, loss rates that are applied for purposes of determining the ALLL include historical losses associated with subsequent defaults on loans previously modified in a TDR. For consumer loans, the Bancorp performs a qualitative assessment of the adequacy of the consumer ALLL by comparing the consumer ALLL to forecasted consumer losses over the projected loss emergence period (the forecasted losses include the impact of subsequent defaults of consumer TDRs). When a residential mortgage, home equity, automobile or other consumer loan that has been modified in a TDR subsequently defaults, the present value of expected cash flows used in the measurement of the potential impairment loss is generally limited to the expected net proceeds from the sale of the loan s underlying collateral and any resulting impairment loss is reflected as a charge-off or an increase in ALLL. The Bancorp recognizes an ALLL for the entire balance of the credit card loans modified in a TDR that subsequently default.

The following tables provide a summary of TDRs that subsequently defaulted during the three months ended September 30, 2018 and 2017 and were within twelve months of the restructuring date:

| September 30, 2018 (\$ in millions) ${ }^{(\boldsymbol{a})}$ | Contracts | Investment |  |
| :--- | ---: | ---: | ---: |
| Commercial loans: | $\mathbf{5}$ | $\mathbf{\$}$ | $\mathbf{3 2}$ |
| Commercial and industrial loans | $\mathbf{2 8}$ |  |  |
| Residential mortgage loans | $\mathbf{4}$ |  |  |
| Consumer loans: | $\mathbf{4 4 6}$ |  |  |
| Home equity | $\mathbf{1 8 3}$ | $\mathbf{\$}$ | $\mathbf{3 7}$ |
| Credit card | $\mathbf{1}$ |  |  |
| Total portfolio loans |  |  |  |

(a) Excludes all loans and leases held for sale and loans acquired with deteriorated credit quality.

| September 30, 2017 (\$ in millions) ${ }^{(a)}$ | Number of <br> Contracts | Recorded <br> Investment |
| :--- | ---: | :---: |
| Commercial loans: | 3 | $\$$ |
| Commercial and industrial loans | 1 | 1 |
| Commercial mortgage owner-occupied loans | 49 | - |
| Residential mortgage loans | 2 |  |
| Consumer loans: | 417 | - |
| Home equity | 472 | $\$$ |
| Credit card | 10 |  |

(a) Excludes all loans and leases held for sale and loans acquired with deteriorated credit quality.

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The following tables provide a summary of TDRs that subsequently defaulted during the nine months ended September 30, 2018 and 2017 and were within twelve months of the restructuring date:

|  | Number of <br> Contracts | Recorded <br> Investment |
| :--- | :---: | :---: |
| Commercial loans: |  |  |
| Commercial and industrial loans | $\mathbf{8}$ | $\mathbf{\$}$ |
| Commercial mortgage owner-occupied loans | $\mathbf{6 1}$ |  |
| Residential mortgage loans | $\mathbf{2}$ | $\mathbf{-}$ |
| Consumer loans: | $\mathbf{1 3 8}$ | $\mathbf{2 4}$ |
| Home equity | $\mathbf{6}$ |  |
| Credit card | $\mathbf{5 2 5}$ | $\mathbf{-}$ |
| Total portfolio loans | $\mathbf{6 7 9}$ | $\mathbf{\$}$ |
| (a) Excludes all loans and leases held for sale and loans acquired with deteriorated credit quality. | $\mathbf{8 8}$ |  |


| September 30, $2017(\$ \text { in millions })^{(a)}$ | Number of <br> Contracts | Recorded <br> Investment |
| :--- | :---: | :---: |
| Commercial loans: | 7 | $\$$ |
| Commercial and industrial loans | 4 | 17 |
| Commercial mortgage owner-occupied loans | 132 | 1 |
| Residential mortgage loans | 19 |  |
| Consumer loans: | 1,254 |  |
| Home equity | 1,410 | $\$$ |

(a) Excludes all loans and leases held for sale and loans acquired with deteriorated credit quality.

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## 7. Bank Premises and Equipment

The following table provides a summary of bank premises and equipment as of:

| (\$ in millions) | September 30, 2018December 31, 2017 |  |
| :--- | :---: | :---: | :---: |
| Land and improvements $^{(a)}$ | $\$ \mathbf{5 9 7}^{(a)}$ | 644 |
| Buildings $^{(a)}$ | $\mathbf{1 , 5 9 3}$ | 1,679 |
| Equipment $^{\text {Leasehold improvements }}$ | $\mathbf{1 , 9 6 2}$ | 1,876 |
| Construction in progress $^{(a)}$ | $\mathbf{4 0 4}$ | 399 |
| Bank premises and equipment held for sale: | $\mathbf{8 9}$ | 93 |
| Land and improvements |  |  |
| Buildings | $\mathbf{2 4}$ | 17 |
| Equipment | $\mathbf{1 1}$ | 9 |
| Accumulated depreciation and amortization | $\mathbf{3}$ | $\mathbf{1}$ |
| Total bank premises and equipment | $\mathbf{( 2 , 7 8 7 )}$ | $(2,715)$ |

(a) At September 30, 2018 and December 31, 2017, land and improvements, buildings and construction in progress included $\$ 55$ and $\$ 91$, respectively, associated with parcels of undeveloped land intended for future branch expansion.
The Bancorp monitors changing customer preferences associated with the channels it uses for banking transactions to evaluate the efficiency, competitiveness and quality of the customer service experience in its consumer distribution network. As part of this ongoing assessment, the Bancorp may determine that it is no longer fully committed to maintaining full-service branches at certain of its existing banking center locations. Similarly, the Bancorp may also determine that it is no longer fully committed to building banking centers on certain parcels of land which had previously been held for future branch expansion.

During the second quarter of 2018, the Bancorp adopted a plan to close approximately 100 to 125 branches over the next three years (the 2018 Branch Optimization Plan ). As of September 30, 2018, the Bancorp had identified 31 specific branches for closure under the 2018 Branch Optimization Plan with these closures expected to be completed prior to December 31, 2018. The Bancorp expects to identify the remaining branches to be closed under the 2018 Branch Optimization Plan prior to December 31, 2019. As part of the adoption of the 2018 Branch Optimization Plan, the Bancorp has also elected to sell 21 parcels of land which had previously been held for future branch expansion.

The Bancorp performs assessments of the recoverability of long-lived assets when events or changes in circumstances indicate that their carrying values may not be recoverable. Impairment losses associated with such assessments and lower of cost or market adjustments were immaterial and $\$ 41$ million for the three and nine months ended September 30, 2018, respectively, and $\$ 1$ million and $\$ 6$ million for the three and nine months ended September 30, 2017, respectively. The recognized impairment losses were recorded in other noninterest income in the Condensed

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## 8. Goodwill

Business combinations entered into by the Bancorp typically include the acquisition of goodwill. Acquisition activity includes acquisitions in the respective period in addition to purchase accounting adjustments related to previous acquisitions. The Bancorp completed its annual goodwill impairment test as of September 30, 2018 by performing a qualitative assessment of goodwill at the reporting unit level to determine whether any indicators of impairment existed. In performing this qualitative assessment, the Bancorp evaluated events and circumstances since the last impairment analysis, macroeconomic conditions, banking industry and market conditions and key financial metrics of the Bancorp as well as reporting unit and overall Bancorp financial performance. After assessing the totality of the events and circumstances, the Bancorp determined that it was not more likely than not that the fair values of the Commercial Banking, Branch Banking and Wealth and Asset Management reporting units were less than their respective carrying amounts and, therefore, the first and second steps of the quantitative goodwill impairment test were deemed unnecessary.

Changes in the net carrying amount of goodwill, by reporting unit, for the nine months ended September 30, 2018 and 2017 were as follows:

| (\$ in millions) | Commercial Banking |  | Branch Banking | Consumer Lending | Wealth and Asset Management | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Goodwill | \$ | 1,363 | 1,655 | 215 | 148 | 3,381 |
| Accumulated impairment losses |  | (750) | - | (215) | - | (965) |
| Net carrying value as of December 31, 2016 | \$ | 613 | 1,655 | - | 148 | 2,416 |
| Acquisition activity |  | - | - | - | 7 | 7 |
| Net carrying value as of September 30, 2017 | \$ | 613 | 1,655 | - | 155 | 2,423 |
| Net carrying value as of December 31, 2017 | \$ | 613 | 1,655 | - | 177 | 2,445 |
| Acquisition activity |  | 17 | - | - | - | 17 |
| Net carrying value as of September 30, 2018 | \$ | 630 | 1,655 | - | 177 | 2,462 |

Intangible assets consist of core deposit intangibles, customer relationships, non-compete agreements, trade names and rent intangibles. Intangible assets are amortized on either a straight-line or an accelerated basis over their estimated useful lives. The increase in gross carrying amount of intangible assets from the year ended December 31, 2017 primarily reflects acquisition activity during the first quarter of 2018.

The details of the Bancorp s intangible assets are shown in the following table:

| (\$ in millions) | Gross Carrying <br> Amount | Accumulated <br> Amortization | Net Carrying <br> Amount |  |
| :--- | ---: | ---: | ---: | ---: |
| As of September 30, 2018 | $\mathbf{\$}$ | $\mathbf{3 4}$ | $\mathbf{( 3 0 )}$ | $\mathbf{4}$ |
| Core deposit intangibles | $\mathbf{2 0}$ | $\mathbf{( 2 )}$ | $\mathbf{1 8}$ |  |
| Customer relationships | $\mathbf{1 4}$ | $\mathbf{( 1 1 )}$ | $\mathbf{3}$ |  |
| Non-compete agreements | $\mathbf{6}$ | $\mathbf{7 4}$ | $\mathbf{( 3 )}$ | $\mathbf{3}$ |
| Other | $\$$ | 34 | $\mathbf{( 4 6 )}$ | $\mathbf{2 8}$ |
| Total intangible assets |  | 16 | $(29)$ | $\mathbf{5}$ |
| As of December 31, 2017 |  | 13 | $\mathbf{-}$ | 16 |
| Core deposit intangibles | 6 | $(10)$ | 3 |  |
| Customer relationships | $\$$ | 69 | $(3)$ | 3 |
| Non-compete agreements |  | $(42)$ | 27 |  |

As of September 30, 2018, all of the Bancorp s intangible assets were being amortized. Amortization expense recognized on intangible assets was $\$ 2$ million and immaterial for the three months ended September 30, 2018 and 2017, respectively, and $\$ 4$ million and $\$ 1$ million for the nine months ended September 30, 2018 and 2017, respectively. The Bancorp s projection of amortization expense shown in the following table is based on existing balances as of September 30, 2018. Future amortization expense may vary from these projections.

Estimated amortization expense for the remainder of 2018 through 2022 is as follows:

| (\$ in millions) | Total |
| :--- | ---: |
| Remainder of 2018 | $\$$ |
| 2019 | 5 |
| 2020 | 3 |
| 2021 | 3 |
| 2022 | 3 |

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## 10. Variable Interest Entities

The Bancorp, in the normal course of business, engages in a variety of activities that involve VIEs, which are legal entities that lack sufficient equity at risk to finance their activities without additional subordinated financial support or the equity investors of the entities as a group lack any of the characteristics of a controlling interest. The Bancorp evaluates its interest in certain entities to determine if these entities meet the definition of a VIE and whether the Bancorp is the primary beneficiary and should consolidate the entity based on the variable interests it held both at inception and when there is a change in circumstances that requires a reconsideration. If the Bancorp is determined to be the primary beneficiary of a VIE, it must account for the VIE as a consolidated subsidiary. If the Bancorp is determined not to be the primary beneficiary of a VIE but holds a variable interest in the entity, such variable interests are accounted for under the equity method of accounting or other accounting standards as appropriate.

## Consolidated VIEs

The following tables provide a summary of the classifications of consolidated VIE assets, liabilities and noncontrolling interests included in the Condensed Consolidated Balance Sheets as of:

| September 30, 2018 (\$ in millions) | Automobile Loan Securitizations |  | CDC <br> Investments | Total |
| :---: | :---: | :---: | :---: | :---: |
| Assets: |  |  |  |  |
| Other short-term investments | \$ | 41 | - | 41 |
| Commercial mortgage loans |  | - | 20 | 20 |
| Automobile loans |  | 773 | - | 773 |
| ALLL |  | (4) | - | (4) |
| Other assets |  | 5 | - | 5 |
| Total assets | \$ | 815 | 20 | 835 |
| Liabilities: |  |  |  |  |
| Other liabilities | \$ | 1 | - | 1 |
| Long-term debt |  | 710 | - | 710 |
| Total liabilities | \$ | 711 | - | 711 |
| Noncontrolling interests | \$ | - | 20 | 20 |
| December 31, 2017 (\$ in millions) |  | obile Loan ritizations | CDC <br> Investments | Total |
| Assets: |  |  |  |  |
| Other short-term investments | \$ | 62 | - | 62 |
| Commercial mortgage loans |  | - | 20 | 20 |
| Automobile loans |  | 1,277 | - | 1,277 |
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| ALLL |  | $(6)$ | - | $(6)$ |
| :--- | ---: | ---: | ---: | ---: |
| Other assets | $\$$ | 1,340 | - | 7 |
| Total assets |  |  | 20 | 1,360 |
| Liabilities | $\$$ | 2 |  |  |
| Other liabilities |  | 1,190 | - | 2 |
| Long-term debt | $\$$ | 1,192 | - | 1,190 |
| Total liabilities | $\$$ | - | 20 | 20 |
| Noncontrolling interests |  |  |  |  |
| Automobile loan securitizations |  |  |  |  |

In a securitization transaction that occurred in the third quarter of 2017, the Bancorp transferred an aggregate amount of $\$ 1.1$ billion in consumer automobile loans to a bankruptcy remote trust which was deemed to be a VIE. This trust then subsequently issued approximately $\$ 1.0$ billion of asset-backed notes, of which approximately $\$ 261$ million were retained by the Bancorp. Additionally, in prior years the Bancorp completed securitization transactions in which the Bancorp transferred certain consumer automobile loans to bankruptcy remote trusts which were also deemed to be VIEs. The primary purposes of the VIEs were to issue asset-backed securities with varying levels of credit subordination and payment priority, as well as residual interests, and to provide the Bancorp with access to liquidity for its originated loans. The Bancorp retained residual interests in the VIEs and, therefore, has an obligation to absorb losses and a right to receive benefits from the VIEs that could potentially be significant to the VIEs. In addition, the Bancorp retained servicing rights for the underlying loans and, therefore, holds the power to direct the activities of the VIEs that most significantly impact the economic performance of the VIEs. As a result, the Bancorp concluded that it is the primary beneficiary of the VIEs and has consolidated these VIEs. The assets of the VIEs are restricted to the settlement of the asset-backed securities and other obligations of the VIEs. Third-party holders of the notes do not have recourse to the general assets of the Bancorp.

The economic performance of the VIEs is most significantly impacted by the performance of the underlying loans. The principal risks to which the VIEs are exposed include credit risk and prepayment risk. The credit and prepayment risks are managed through credit enhancements in the form of reserve accounts, overcollateralization, excess interest on the loans and the subordination of certain classes of asset-backed securities to other classes.

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## CDC investments

CDC, a wholly-owned indirect subsidiary of the Bancorp, was created to invest in projects to create affordable housing, revitalize business and residential areas and preserve historic landmarks. CDC generally co-invests with other unrelated companies and/or individuals and typically makes investments in a separate legal entity that owns the property under development. The entities are usually formed as limited partnerships and LLCs and CDC typically invests as a limited partner/investor member in the form of equity contributions. The economic performance of the VIEs is driven by the performance of their underlying investment projects as well as the VIEs ability to operate in compliance with the rules and regulations necessary for the qualification of tax credits generated by equity investments. The Bancorp s subsidiaries serve as the managing member of certain LLCs invested in business revitalization projects and have the right to make decisions that most significantly impact the economic performance of the LLCs. Additionally, the investor members do not hold substantive kick-out rights or substantive participating rights over the managing member. The Bancorp has provided an indemnification guarantee to the investor member of these LLCs related to the qualification of tax credits generated by the investor members investment. Accordingly, the Bancorp concluded that it is the primary beneficiary and, therefore, has consolidated these VIEs. As a result, the investor members interests in these VIEs are presented as noncontrolling interests in the Condensed Consolidated Financial Statements. This presentation includes reporting separately the equity attributable to the noncontrolling interests in the Condensed Consolidated Balance Sheets and Condensed Consolidated Statements of Changes in Equity and reporting separately the comprehensive income attributable to the noncontrolling interests in the Condensed Consolidated Statements of Comprehensive Income and the net income attributable to the noncontrolling interests in the Condensed Consolidated Statements of Income.

During the third quarter of 2017, the Bancorp s indemnification guarantee for one of the CDC investments for which a Bancorp subsidiary served as the managing member expired and the Bancorp transferred its remaining ownership interest in the VIE to the investor member thus removing the Bancorp from future operations of the VIE. As a result, the Bancorp deconsolidated the VIE during the third quarter of 2017 resulting in a decrease of $\$ 27$ million in commercial mortgage loans, a decrease of $\$ 20$ million in ALLL associated with the commercial mortgage loans and a decrease of $\$ 18$ million in indemnification guarantee exposure. The Bancorp s maximum exposure related to the remaining indemnifications at September 30, 2018 and December 31, 2017 was $\$ 19$ million and $\$ 17$ million, respectively, which is based on an amount required to meet the investor member s defined target rate of return.

## Non-consolidated VIEs

The following tables provide a summary of assets and liabilities carried on the Condensed Consolidated Balance Sheets related to non-consolidated VIEs for which the Bancorp holds an interest, but is not the primary beneficiary of the VIE, as well as the Bancorp s maximum exposure to losses associated with its interests in the entities as of:

| September 30, 2018 (\$ in millions) |  | Assets | Liabilities | Exposure |
| :---: | :---: | :---: | :---: | :---: |
| CDC investments | \$ | 1,229 | 378 | 1,229 |
| Private equity investments |  | 40 | - | 73 |
| Loans provided to VIEs |  | 2,239 | - | 3,404 |
| December 31, 2017 (\$ in millions) |  | Total | Total Liabilities | Maximum Exposure |
| CDC investments | \$ | 1,376 | 355 | 1,376 |
| Private equity investments |  | 102 | - | 150 |
| Loans provided to VIEs |  | 1,845 | - | 2,910 |

As noted previously, CDC typically invests in VIEs as a limited partner or investor member in the form of equity contributions and has no substantive kick-out or substantive participating rights over the managing member. The Bancorp has determined that it is not the primary beneficiary of these VIEs because it lacks the power to direct the activities that most significantly impact the economic performance of the underlying project or the VIEs ability to operate in compliance with the rules and regulations necessary for the qualification of tax credits generated by equity investments. This power is held by the managing members who exercise full and exclusive control of the operations of the VIEs. Accordingly, the Bancorp accounts for these investments under the equity method of accounting.

The Bancorp s funding requirements are limited to its invested capital and any additional unfunded commitments for future equity contributions. The Bancorp s maximum exposure to loss as a result of its involvement with the VIEs is limited to the carrying amounts of the investments, including the unfunded commitments. The carrying amounts of these investments, which are included in other assets in the Condensed Consolidated Balance Sheets, and the liabilities related to the unfunded commitments, which are included in other liabilities in the Condensed Consolidated Balance Sheets, are included in the previous tables for all periods presented. The Bancorp has no other liquidity arrangements or obligations to purchase assets of the VIEs that would expose the Bancorp to a loss. In certain arrangements, the general partner/managing member of the VIE has guaranteed a level of projected tax credits to be received by the limited partners/investor members, thereby minimizing a portion of the Bancorp s risk.

At September 30, 2018 and December 31, 2017, the Bancorp s CDC investments included $\$ 1.1$ billion and $\$ 1.3$ billion, respectively, of investments in affordable housing tax credits recognized in other assets in the Condensed Consolidated Balance Sheets. The unfunded commitments related to these investments were $\$ 368$ million and $\$ 355$ million at September 30, 2018 and December 31, 2017, respectively. The unfunded commitments as of September 30, 2018 are expected to be funded from 2018 to 2034.

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The Bancorp has accounted for all of its investments in qualified affordable housing tax credits using the equity method of accounting. The following table summarizes the impact to the Condensed Consolidated Statements of Income relating to investments in qualified affordable housing investments:


The Bancorp, through Fifth Third Capital Holdings, a wholly-owned indirect subsidiary of the Bancorp, invests as a limited partner in private equity investments which provide the Bancorp an opportunity to obtain higher rates of return on invested capital, while also creating cross-selling opportunities for the Bancorp s commercial products. Each of the limited partnerships has an unrelated third-party general partner responsible for appointing the fund manager. The Bancorp has not been appointed fund manager for any of these private equity investments. The funds finance primarily all of their activities from the partners capital contributions and investment returns. The Bancorp has determined that it is not the primary beneficiary of the funds because it does not have the obligation to absorb the funds expected losses or the right to receive the funds expected residual returns that could potentially be significant to the funds and lacks the power to direct the activities that most significantly impact the economic performance of the funds. The Bancorp, as a limited partner, does not have substantive participating or substantive kick-out rights over the general partner. Therefore, the Bancorp accounts for its investments in these limited partnerships under the equity method of accounting.

The Bancorp is exposed to losses arising from the negative performance of the underlying investments in the private equity investments. As a limited partner, the Bancorp s maximum exposure to loss is limited to the carrying amounts of the investments plus unfunded commitments. The carrying amounts of these investments, which are included in other assets in the Condensed Consolidated Balance Sheets, are included in the previous tables. Also, at September 30, 2018 and December 31, 2017, the unfunded commitment amounts to the funds were $\$ 33$ million and $\$ 48$ million, respectively. As part of previous commitments, the Bancorp made capital contributions to private equity investments of $\$ 1$ million and $\$ 2$ million during the three months ended September 30, 2018 and 2017, respectively and $\$ 6$ million and $\$ 9$ million during the nine months ended September 30, 2018 and 2017, respectively. The Bancorp recognized zero and $\$ 8$ million of OTTI associated with certain nonconforming investments affected by the Volcker Rule during the three and nine months ended September 30, 2018, respectively and did not recognize OTTI during both the three and nine months ended September 30, 2017, respectively. Refer to Note 22 for further information.

## Loans provided to VIEs

The Bancorp has provided funding to certain unconsolidated VIEs sponsored by third parties. These VIEs are generally established to finance certain consumer and small business loans originated by third parties. The entities are primarily funded through the issuance of a loan from the Bancorp or a syndication through which the Bancorp is involved. The sponsor/administrator of the entities is responsible for servicing the underlying assets in the VIEs. Because the sponsor/administrator, not the Bancorp, holds the servicing responsibilities, which include the establishment and employment of default mitigation policies and procedures, the Bancorp does not hold the power to direct the activities that most significantly impact the economic performance of the entity and, therefore, is not the primary beneficiary.

The principal risk to which these entities are exposed is credit risk related to the underlying assets. The Bancorp s maximum exposure to loss is equal to the carrying amounts of the loans and unfunded commitments to the VIEs. The Bancorp s outstanding loans to these VIEs are included in commercial loans in Note 5. As of September 30, 2018 and December 31, 2017, the Bancorp s unfunded commitments to these entities were $\$ 1.2$ billion and $\$ 1.1$ billion, respectively. The loans and unfunded commitments to these VIEs are included in the Bancorp s overall analysis of the ALLL and reserve for unfunded commitments, respectively. The Bancorp does not provide any implicit or explicit liquidity guarantees or principal value guarantees to these VIEs.

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## 11. Sales of Receivables and Servicing Rights

## Residential Mortgage Loan Sales

The Bancorp sold fixed and adjustable-rate residential mortgage loans during both the three and nine months ended September 30, 2018 and 2017. In those sales, the Bancorp obtained servicing responsibilities and provided certain standard representations and warranties, however the investors have no recourse to the Bancorp s other assets for failure of debtors to pay when due. The Bancorp receives annual servicing fees based on a percentage of the outstanding balance. The Bancorp identifies classes of servicing assets based on financial asset type and interest rates.

Information related to residential mortgage loan sales and the Bancorp s mortgage banking activity, which is included in mortgage banking net revenue in the Condensed Consolidated Statements of Income, is as follows:

|  | For the three months ended |  | For the nine months ended |  |
| :--- | ---: | ---: | ---: | ---: |
| September 30, | September 30, |  |  |  |
| (\$ in millions) | $\mathbf{2 0 1 8}$ |  | 2017 | $\mathbf{2 0 1 8}$ |
| Residential mortgage loan sales ${ }^{(a)}$ | $\mathbf{2 0 1 4}$ | $\mathbf{1 , 4 4 6}$ | 1,593 | $\mathbf{3 , 9 1 9}$ |
| Origination fees and gains on loan sales | $\mathbf{2 5}$ | 40 | 4,740 |  |
| Gross mortgage servicing fees | $\mathbf{5 6}$ | 56 | $\mathbf{7 7}$ | 106 |

(a) Represents the unpaid principal balance at the time of the sale.

Servicing Rights
The Bancorp measures all of its servicing rights at fair value with changes in fair value reported in mortgage banking net revenue in the Condensed Consolidated Statements of Income.

The following table presents changes in the servicing rights related to residential mortgage loans for the nine months ended September 30:

| (\$ in millions) | $\mathbf{2 0 1 8}$ | 2017 |
| :--- | :---: | ---: | ---: |
| Balance, beginning of period | $\mathbf{8 5 8}$ | 744 |
| Servicing rights originated - residential mortgage loans | $\mathbf{6 2}$ | 99 |
| Servicing rights acquired - residential mortgage loans | $\mathbf{8 2}$ | 109 |
| Changes in fair value: $^{\text {Due to changes in inputs or assumptions }}{ }^{(a)}$ |  |  |
| Other changes in fair value $^{(b)}$ | $\mathbf{1 0 3}$ | (15) |

(a) Primarily reflects changes in prepayment speed and OAS spread assumptions which are updated based on market interest rates.
(b) Primarily reflects changes due to collection of contractual cash flows and the passage of time.

The Bancorp maintains a non-qualifying hedging strategy to manage a portion of the risk associated with changes in the value of the MSR portfolio. This strategy may include the purchase of free-standing derivatives and various available-for-sale and trading securities. The interest income, mark-to-market adjustments and gain or loss from sale activities associated with these portfolios are expected to economically hedge a portion of the change in value of the MSR portfolio caused by fluctuating OAS spreads, earnings rates and prepayment speeds. The fair value of the servicing asset is based on the present value of expected future cash flows.

The following table presents activity related to valuations of the MSR portfolio and the impact of the non-qualifying hedging strategy:

| milli | For the three months ended September 30, |  |  | For the nine months ended September 30, |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Securities (losses) gains, net - non-qualifying hedges |  |  |  |  |  |
| Changes in fair value and settlement of free-standing derivatives purchased to economically hedge the MSR portfolio ${ }^{(a)}$ | \$ | (1) (24) | 2 1 | (18) (89) | 16 |
| MSR fair value adjustment due to changes in inputs or assumptions ${ }^{(a)}$ |  | 25 | (2) | 103 | (15) |

(a) Included in mortgage banking net revenue in the Condensed Consolidated Statements of Income.

The key economic assumptions used in measuring the interests in residential mortgage loans that continued to be held by the Bancorp at the date of sale, securitization or purchase resulting from transactions completed during the three months ended September 30, 2018 and 2017 were as follows:

|  | Rate | September 30, 2018 <br> Weighted-Prepayment |  |  | September 30, 2017 <br> WeightedPrepayment |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Average Lif <br> (in <br> years) | Speed <br> (annual) | OAS Spread <br> (bps) | Average <br> (in <br> years) | fe Speed <br> (annual) | OAS Spread <br> (bps) |
| Residential mortgage loans: |  |  |  |  |  |  |  |
| Servicing rights | Fixed | 6.5 | 11.1\% | 517 | 7.6 | 9.2\% | 499 |
| Servicing rights | Adjustable | 3.3 | 23.7 | 700 | 2.5 | 35.1 | 650 |

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Based on historical credit experience, expected credit losses for residential mortgage loan servicing rights have been deemed immaterial, as the Bancorp sold the majority of the underlying loans without recourse. At September 30, 2018 and December 31, 2017, the Bancorp serviced $\$ 64.0$ billion and $\$ 60.0$ billion, respectively, of residential mortgage loans for other investors. The value of MSRs that continue to be held by the Bancorp is subject to credit, prepayment and interest rate risks on the sold financial assets.

At September 30, 2018, the sensitivity of the current fair value of residual cash flows to immediate $10 \%, 20 \%$ and $50 \%$ adverse changes in prepayment speed assumptions and immediate $10 \%$ and $20 \%$ adverse changes in OAS spread are as follows:

(a) The impact of the weighted-average default rate on the current fair value of residual cash flows for all scenarios is immaterial.

These sensitivities are hypothetical and should be used with caution. As the figures indicate, changes in fair value based on these variations in the assumptions typically cannot be extrapolated because the relationship of the change in assumption to the change in fair value may not be linear. The Bancorp believes variations of these levels are reasonably possible; however, there is the potential that adverse changes in key assumptions could be even greater. Also, in the previous table, the effect of a variation in a particular assumption on the fair value of the interests that continue to be held by the Bancorp is calculated without changing any other assumption; in reality, changes in one factor may result in changes in another (for example, increases in market interest rates may result in lower prepayments), which might magnify or counteract these sensitivities.

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## 12. Derivative Financial Instruments

The Bancorp maintains an overall risk management strategy that incorporates the use of derivative instruments to reduce certain risks related to interest rate, prepayment and foreign currency volatility. Additionally, the Bancorp holds derivative instruments for the benefit of its commercial customers and for other business purposes. The Bancorp does not enter into unhedged speculative derivative positions.

The Bancorp s interest rate risk management strategy involves modifying the repricing characteristics of certain financial instruments so that changes in interest rates do not adversely affect the Bancorp s net interest margin and cash flows. Derivative instruments that the Bancorp may use as part of its interest rate risk management strategy include interest rate swaps, interest rate floors, interest rate caps, forward contracts, forward starting interest rate swaps, options, swaptions and TBA securities. Interest rate swap contracts are exchanges of interest payments, such as fixed-rate payments for floating-rate payments, based on a stated notional amount and maturity date. Interest rate floors protect against declining rates, while interest rate caps protect against rising interest rates. Forward contracts are contracts in which the buyer agrees to purchase, and the seller agrees to make delivery of, a specific financial instrument at a predetermined price or yield. Options provide the purchaser with the right, but not the obligation, to purchase or sell a contracted item during a specified period at an agreed upon price. Swaptions are financial instruments granting the owner the right, but not the obligation, to enter into or cancel a swap.

Prepayment volatility arises mostly from changes in fair value of the largely fixed-rate MSR portfolio, mortgage loans and mortgage-backed securities. The Bancorp may enter into various free-standing derivatives (principal-only swaps, interest rate swaptions, interest rate floors, mortgage options, TBAs and interest rate swaps) to economically hedge prepayment volatility. Principal-only swaps are total return swaps based on changes in the value of the underlying mortgage principal-only trust. TBA securities are a forward purchase agreement for a mortgage-backed securities trade whereby the terms of the security are undefined at the time the trade is made.

Foreign currency volatility occurs as the Bancorp enters into certain loans denominated in foreign currencies. Derivative instruments that the Bancorp may use to economically hedge these foreign denominated loans include foreign exchange swaps and forward contracts.

The Bancorp also enters into derivative contracts (including foreign exchange contracts, commodity contracts and interest rate contracts) for the benefit of commercial customers and other business purposes. The Bancorp economically hedges significant exposures related to these free-standing derivatives by entering into offsetting third-party contracts with approved, reputable and independent counterparties with substantially matching terms and currencies. Credit risk arises from the possible inability of counterparties to meet the terms of their contracts. The Bancorp s exposure is limited to the replacement value of the contracts rather than the notional, principal or contract amounts. Credit risk is minimized through credit approvals, limits, counterparty collateral and monitoring procedures.

The fair value of derivative instruments is presented on a gross basis, even when the derivative instruments are subject to master netting arrangements. Derivative instruments with a positive fair value are reported in other assets in the

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Condensed Consolidated Balance Sheets while derivative instruments with a negative fair value are reported in other liabilities in the Condensed Consolidated Balance Sheets. Cash collateral payables and receivables associated with the derivative instruments are not added to or netted against the fair value amounts with the exception of certain variation margin payments that are considered legal settlements of the derivative contracts. For derivative contracts cleared through certain central clearing parties who have modified their rules to treat variation margin payments as settlements, the variation margin payments are applied to net the fair value of the respective derivative contracts.

The Bancorp s derivative assets include certain contractual features in which the Bancorp requires the counterparties to provide collateral in the form of cash and securities to offset changes in the fair value of the derivatives, including changes in the fair value due to credit risk of the counterparty. As of September 30, 2018 and December 31, 2017, the balance of collateral held by the Bancorp for derivative assets was $\$ 306$ million and $\$ 409$ million, respectively. For derivative contracts cleared through certain central clearing parties who have modified their rules to treat variation margin payments as settlement of the derivative contract, the payments for variation margin of $\$ 91$ million were applied to reduce the respective derivative contracts and were also not included in the total amount of collateral held as of September 30, 2018. The credit component negatively impacting the fair value of derivative assets associated with customer accommodation contracts as of both September 30, 2018 and December 31, 2017 was $\$ 3$ million.

In measuring the fair value of derivative liabilities, the Bancorp considers its own credit risk, taking into consideration collateral maintenance requirements of certain derivative counterparties and the duration of instruments with counterparties that do not require collateral maintenance. When necessary, the Bancorp posts collateral primarily in the form of cash and securities to offset changes in fair value of the derivatives, including changes in fair value due to the Bancorp s credit risk. As of September 30, 2018 and December 31, 2017, the balance of collateral posted by the Bancorp for derivative liabilities was $\$ 490$ million and $\$ 365$ million, respectively, and $\$ 143$ million of variation margin payments were applied to the respective derivative contracts to reduce the Bancorp s derivative liabilities as of September 30, 2018 and were also not included in the total amount of collateral posted. Certain of the Bancorp s derivative liabilities contain credit risk related contingent features that could result in the requirement to post additional collateral upon the occurrence of specified events. As of September 30, 2018 and December 31, 2017, the fair value of the additional collateral that could be required to be posted as a result of the credit risk related contingent features being triggered was immaterial to the Condensed Consolidated Financial Statements. The posting of collateral has been determined to remove the need for further consideration of credit risk. As a result, the Bancorp determined that the impact of the Bancorp s credit risk to the valuation of its derivative liabilities was immaterial to the Condensed Consolidated Financial Statements.

The Bancorp holds certain derivative instruments that qualify for hedge accounting treatment and are designated as either fair value hedges or cash flow hedges. Derivative instruments that do not qualify for hedge accounting treatment, or for which hedge accounting is not established, are held as free-standing derivatives. All customer accommodation derivatives are held as free-standing derivatives.

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The following tables reflect the notional amounts and fair values for all derivative instruments included in the Condensed Consolidated Balance Sheets as of:

| September 30, 2018 (\$ in millions) | Notional Amount | Fair Value |  |
| :---: | :---: | :---: | :---: |
|  |  | Derivative <br> Assets | Derivative Liabilities |
| Derivatives Designated as Qualifying Hedging Instruments: |  |  |  |
| Fair value hedges: |  |  |  |
| Interest rate swaps related to long-term debt | \$ 3,455 | 203 | 9 |
| Total fair value hedges |  | 203 | 9 |
| Cash flow hedges: |  |  |  |
| Interest rate swaps related to C\&I loans | 6,150 | 2 | 17 |
| Total cash flow hedges |  | 2 | 17 |
| Total derivatives designated as qualifying hedging instruments |  | 205 | 26 |
| Derivatives Not Designated as Qualifying Hedging Instruments: |  |  |  |
| Free-standing derivatives - risk management and other business purposes: |  |  |  |
| Interest rate contracts related to MSR portfolio | 13,745 | 49 | 15 |
| Forward contracts related to residential mortgage loans held for sale | 955 | 4 | - |
| Swap associated with the sale of Visa, Inc. Class B Shares | 2,473 | - | 144 |
| Total free-standing derivatives - risk management and other business purposes |  | 53 | 159 |
| Free-standing derivatives - customer accommodation: |  |  |  |
| Interest rate contracts | 53,651 | 280 | 322 |
| Interest rate lock commitments | 397 | 7 | - |
| Commodity contracts | 5,818 | 315 | 296 |
| TBA securities | 20 | - | - |
| Foreign exchange contracts | 12,940 | 124 | 110 |
| Total free-standing derivatives - customer accommodation |  | 726 | 728 |
| Total derivatives not designated as qualifying hedging instruments |  | 779 | 887 |
| Total |  | \$ 984 | 913 |


|  |  | Fair Value |  |
| :--- | :---: | ---: | ---: |
|  | Notional <br> Amount | Derivative <br> Assets | Derivative <br> Liabilities |
| December 31, 2017 (\$ in millions) |  |  |  |
| Derivatives Designated as Qualifying Hedging Instruments: | $\$ 3,705$ | 297 | 5 |
| Fair value hedges: |  | 297 | 5 |

[^3]| Cash flow hedges: |  |  |  |
| :---: | :---: | :---: | :---: |
| Interest rate swaps related to C\&I loans | 4,475 | - | 12 |
| Total cash flow hedges |  | - | 12 |
| Total derivatives designated as qualifying hedging instruments |  | 297 | 17 |
| Derivatives Not Designated as Qualifying Hedging Instruments: |  |  |  |
| Free-standing derivatives - risk management and other business purposes: |  |  |  |
| Interest rate contracts related to MSR portfolio | 11,035 | 54 | 15 |
| Forward contracts related to residential mortgage loans held for sale | 1,284 | 1 | 1 |
| Stock warrant | 20 | 20 | - |
| Swap associated with the sale of Visa, Inc. Class B Shares | 1,900 | - | 137 |
| Foreign exchange contracts | 112 | - | 1 |
| Total free-standing derivatives - risk management and other business purposes |  | 75 | 154 |
| Free-standing derivatives - customer accommodation: |  |  |  |
| Interest rate contracts | 42,216 | 154 | 145 |
| Interest rate lock commitments | 446 | 8 | - |
| Commodity contracts | 4,125 | 165 | 167 |
| TBA securities | 26 | - | - |
| Foreign exchange contracts | 12,654 | 124 | 119 |
| Total free-standing derivatives - customer accommodation |  | 451 | 431 |
| Total derivatives not designated as qualifying hedging instruments |  | 526 | 585 |
| Total |  | \$823 | 602 |

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## Fair Value Hedges

The Bancorp may enter into interest rate swaps to convert its fixed-rate funding to floating-rate. Decisions to convert fixed-rate funding to floating are made primarily through consideration of the asset/liability mix of the Bancorp, the desired asset/liability sensitivity and interest rate levels. For all designated fair value hedges of interest rate risk as of September 30, 2018, the Bancorp performed an assessment of hedge effectiveness using regression analysis (quantitative approach) with changes in the fair value of the derivative instrument and changes in the fair value of the hedged asset or liability attributable to the hedged risk recorded in the same income statement line in current period net income.

The following table reflects the change in fair value of interest rate contracts, designated as fair value hedges, as well as the change in fair value of the related hedged items attributable to the risk being hedged, included in the Condensed Consolidated Statements of Income:

| (\$ in millions) | Condensed Consolidated Statements of Income Caption |  | For the three months ended September 30, 20182017 |  | For the nine months ended September 30, |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Change in fair value of interest rate swaps hedging long-term debt | Interest on long-term debt | \$ | (29) | (6) | (110) | (13) |
| Change in fair value of hedged long-term debt attributable to the risk being hedged | Interest on long-term debt |  | 31 | 5 | 113 | 11 |
| The following amounts were re adjustments for fair value hedges | rded in the Condensed Conso of: |  | Balance | eets rel | o cumula | basis |


| (\$ in millions) | Condensed Consolidated Balance Sheets Caption |  | September 30, 2018 |
| :---: | :---: | :---: | :---: |
| Carrying amount of the hedged item | Long-term debt | \$ | 3,917 |
| Cumulative amount of fair value hedging adjustments included in the carrying amount of the hedged items Cash Flow Hedges | Long-term debt |  | (182) |

The Bancorp may enter into interest rate swaps to convert floating-rate assets and liabilities to fixed rates or to hedge certain forecasted transactions for the variability in cash flows attributable to the contractually specified interest rate. The assets or liabilities may be grouped in circumstances where they share the same risk exposure that the Bancorp

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desires to hedge. The Bancorp may also enter into interest rate caps and floors to limit cash flow variability of floating-rate assets and liabilities. As of September 30, 2018, all hedges designated as cash flow hedges were assessed for effectiveness using regression analysis. The entire change in the fair value of the interest rate swap included in the assessment of hedge effectiveness is recorded in AOCI and reclassified from AOCI to current period earnings when the hedged item affects earnings. As of September 30, 2018, the maximum length of time over which the Bancorp is hedging its exposure to the variability in future cash flows is 70 months.

Reclassified gains and losses on interest rate contracts related to commercial and industrial loans are recorded within interest income in the Condensed Consolidated Statements of Income. As of September 30, 2018 and December 31, 2017, $\$ 33$ million and $\$ 9$ million, respectively, of net deferred losses, net of tax, on cash flow hedges were recorded in AOCI in the Condensed Consolidated Balance Sheets. As of September 30, 2018, $\$ 20$ million in net unrealized gains, net of tax, recorded in AOCI are expected to be reclassified into earnings during the next twelve months. This amount could differ from amounts actually recognized due to changes in interest rates, hedge de-designations, and the addition of other hedges subsequent to September 30, 2018.

During both the three and nine months ended September 30, 2018 and 2017, there were no gains or losses reclassified from AOCI into earnings associated with the discontinuance of cash flow hedges because it was probable that the original forecasted transaction would no longer occur by the end of the originally specified time period or within the additional period of time as defined by U.S. GAAP.

The following table presents the pretax net (losses) gains recorded in the Condensed Consolidated Statements of Income and in the Condensed Consolidated Statements of Comprehensive Income relating to derivative instruments designated as cash flow hedges:
For the three months ended

September 30, $\quad$| For the nine months ended |
| :---: |
| September 30, |

(a) For both the three and nine months ended September 30, 2017, the amount of pretax net losses recognized in OCI represented the effective portion of the cumulative gains or losses on cash flow hedges and ineffectiveness was reported within noninterest income. Upon the adoption of ASU 2017-12, the Bancorp recorded a cumulative effect adjustment to retained earnings effective January 1, 2018 related to the elimination of the separate measurement of ineffectiveness. Refer to Note 3 for additional information.

## Free-Standing Derivative Instruments Risk Management and Other Business Purposes

As part of its overall risk management strategy relative to its mortgage banking activity, the Bancorp may enter into various free-standing derivatives (principal-only swaps, interest rate swaptions, interest rate floors, mortgage options, TBA securities and interest rate swaps) to economically hedge changes in fair value of its largely fixed-rate MSR portfolio. Principal-only swaps hedge the mortgage-LIBOR spread because these swaps appreciate in value as a result of tightening spreads. Principal-only swaps also provide prepayment protection by increasing in value when prepayment speeds increase, as opposed to MSRs that lose value in a faster prepayment environment. Receive fixed/pay floating interest rate swaps and swaptions increase in value when interest rates do not increase as quickly as expected.

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The Bancorp enters into forward contracts and mortgage options to economically hedge the change in fair value of certain residential mortgage loans held for sale due to changes in interest rates. IRLCs issued on residential mortgage loan commitments that will be held for sale are also considered free-standing derivative instruments and the interest rate exposure on these commitments is economically hedged primarily with forward contracts. Revaluation gains and losses from free-standing derivatives related to mortgage banking activity are recorded as a component of mortgage banking net revenue in the Condensed Consolidated Statements of Income.

In conjunction with the sale of Visa, Inc. Class B Shares in 2009, the Bancorp entered into a total return swap in which the Bancorp will make or receive payments based on subsequent changes in the conversion rate of the Class B Shares into Class A Shares. This total return swap is accounted for as a free-standing derivative. Refer to Note 22 for further discussion of significant inputs and assumptions used in the valuation of this instrument.

The net gains (losses) recorded in the Condensed Consolidated Statements of Income relating to free-standing derivative instruments used for risk management and other business purposes are summarized in the following table:

| (\$ in millions) | Condensed Consolidated Statements of Income Caption | For the three months ended September 30, <br> 20182017 |  |  | For the nine months ended September 30$2018 \quad 2017$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Interest rate contracts: |  |  |  |  |  |  |
| Forward contracts related to residential mortgage loans held for sale | Mortgage banking net revenue | \$ | 7 | (1) | 4 | (17) |
| Interest rate contracts related to MSR portfolio | Mortgage banking net revenue |  | (24) | 1 | (89) | 16 |
| Foreign exchange contracts: |  |  |  |  |  |  |
| Foreign exchange contracts for risk management purposes | Other noninterest income |  | (1) | (4) | 3 | (8) |
| Equity contracts: |  |  |  |  |  |  |
| Swap associated with sale of Visa, Inc. Class B Shares | Other noninterest income |  | (17) | (47) | (66) | (69) |
| Free-Standing Derivative Instruments | Customer Accommodation |  |  |  |  |  |

The majority of the free-standing derivative instruments the Bancorp enters into are for the benefit of its commercial customers. These derivative contracts are not designated against specific assets or liabilities on the Condensed Consolidated Balance Sheets or to forecasted transactions; and therefore, do not qualify for hedge accounting. These instruments include foreign exchange derivative contracts entered into for the benefit of commercial customers involved in international trade to hedge their exposure to foreign currency fluctuations and commodity contracts to
hedge such items as natural gas and various other derivative contracts. The Bancorp may economically hedge significant exposures related to these derivative contracts entered into for the benefit of customers by entering into offsetting contracts with approved, reputable, independent counterparties with substantially matching terms. The Bancorp hedges its interest rate exposure on commercial customer transactions by executing offsetting swap agreements with primary dealers. Revaluation gains and losses on interest rate, foreign exchange, commodity and other commercial customer derivative contracts are recorded as a component of either corporate banking revenue or other noninterest income in the Condensed Consolidated Statements of Income.

The Bancorp enters into risk participation agreements, under which the Bancorp assumes credit exposure relating to certain underlying interest rate derivative contracts. The Bancorp only enters into these risk participation agreements in instances in which the Bancorp has participated in the loan that the underlying interest rate derivative contract was designed to hedge. The Bancorp will make payments under these agreements if a customer defaults on its obligation to perform under the terms of the underlying interest rate derivative contract. As of September 30, 2018 and December 31, 2017, the total notional amount of the risk participation agreements was $\$ 3.9$ billion and $\$ 2.8$ billion, respectively, and the fair value was a liability of $\$ 8$ million and $\$ 5$ million at September 30, 2018 and December 31, 2017, respectively, which is included in other liabilities in the Condensed Consolidated Balance Sheets. As of September 30, 2018, the risk participation agreements had a weighted-average remaining life of 3.7 years.

The Bancorp s maximum exposure in the risk participation agreements is contingent on the fair value of the underlying interest rate derivative contracts in an asset position at the time of default. The Bancorp monitors the credit risk associated with the underlying customers in the risk participation agreements through the same risk grading system currently utilized for establishing loss reserves in its loan and lease portfolio.

Risk ratings of the notional amount of risk participation agreements under this risk rating system are summarized in the following table as of:

|  | September 30, | December 31, |  |
| :--- | ---: | ---: | ---: |
| (\$ in millions) | $\mathbf{2 0 1 8}$ | 2017 |  |
| Pass | $\$$ | $\mathbf{3 , 8 5 2}$ | 2,748 |
| Special mention |  | $\mathbf{6 9}$ | 66 |
| Substandard | $\$$ | $\mathbf{3 , 9 3}$ | 24 |
| Total |  |  | 2,838 |

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The net gains (losses) recorded in the Condensed Consolidated Statements of Income relating to free-standing derivative instruments used for customer accommodation are summarized in the following table:

| (\$ in millions) | Condensed Consolidated Statements of Income Caption |  |  | months <br> mber 30, 2017 | $\begin{array}{r} \text { For t } \\ \mathrm{m} \\ \text { ended } \mathrm{Se} \\ \mathbf{2 0 1 8} \end{array}$ | nine hs mber 30 2017 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Interest rate contracts: |  |  |  |  |  |  |
| Interest rate contracts for customers (contract revenue) | Corporate banking revenue | \$ | 7 | 5 | 23 | 15 |
| Interest rate lock commitments | Mortgage banking net revenue |  | 17 | 27 | 52 | 76 |
| Commodity contracts: |  |  |  |  |  |  |
| Commodity contracts for customers (contract revenue) | Corporate banking revenue |  | 3 | 1 | 7 | 4 |
| Commodity contracts for customers (credit losses) | Other noninterest expense |  | - | - | - | 1 |
| Commodity contracts for customers (credit portion of fair value adjustment) | Other noninterest expense |  | - | - | (1) | - |
| Foreign exchange contracts: |  |  |  |  |  |  |
| Foreign exchange contracts for customers (contract revenue) | Corporate banking revenue |  | 16 | 11 | 43 | 33 |
| Foreign exchange contracts for customers (contract revenue) | Other noninterest income |  | 3 | - | 8 | - |
| Foreign exchange contracts for customers (credit losses) | Other noninterest expense |  | - | - | - | 2 |
| Foreign exchange contracts for customers (credit portion of fair value adjustment) | Other noninterest expense |  | - | (1) | 1 | - |

Offsetting Derivative Financial Instruments
The Bancorp s derivative transactions are generally governed by ISDA Master Agreements and similar arrangements, which include provisions governing the setoff of assets and liabilities between the parties. When the Bancorp has more than one outstanding derivative transaction with a single counterparty, the setoff provisions contained within these agreements generally allow the non-defaulting party the right to reduce its liability to the defaulting party by amounts eligible for setoff, including the collateral received as well as eligible offsetting transactions with that counterparty, irrespective of the currency, place of payment, or booking office. The Bancorp s policy is to present its derivative assets and derivative liabilities on the Condensed Consolidated Balance Sheets on a gross basis, even when

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provisions allowing for setoff are in place. However, for derivative contracts cleared through certain central clearing parties who have modified their rules to treat variation margin payments as settlements, the fair value of the respective derivative contracts are reported net of the variation margin payments.

Collateral amounts included in the tables below consist primarily of cash and highly-rated government-backed securities and do not include variation margin payments for derivative contracts with legal rights of setoff for both periods shown.

The following tables provide a summary of offsetting derivative financial instruments:

Gross Amounts Not Offset
Gross Amount
Recognized in the Condensed Consolidated Balance Sheets
Condensed Consolidated
As of September 30, 2018 (\$ in
Balance

| millions) | Sheets $^{(a)}$ |  | Derivatives | Collateral $^{(b)}$ | Net Amount |
| :--- | :---: | :---: | ---: | ---: | ---: | ---: |
| Assets: | $\$$ | $\mathbf{9 7 7}$ | $\mathbf{( 2 8 7 )}$ | $\mathbf{( 2 6 0 )}$ | $\mathbf{4 3 0}$ |
| Derivatives |  | $\mathbf{9 7 7}$ | $\mathbf{( 2 8 7 )}$ | $\mathbf{( 2 6 0 )}$ | $\mathbf{4 3 0}$ |
| Total assets |  |  |  |  |  |
| Liabilities: |  | $\mathbf{9 1 3}$ | $\mathbf{( 2 8 7 )}$ | $\mathbf{( 2 3 2 )}$ | $\mathbf{3 9 4}$ |
| Derivatives | $\$$ | $\mathbf{9 1 3}$ | $\mathbf{( 2 8 7 )}$ | $\mathbf{( 2 3 2 )}$ | $\mathbf{3 9 4}$ |

(a) Amount does not include IRLCs because these instruments are not subject to master netting or similar arrangements.
(b) Amount of collateral received as an offset to asset positions or pledged as an offset to liability positions. Collateral values in excess of related derivative amounts recognized in the Condensed Consolidated Balance Sheets were excluded from this table.

| As of December 31, 2017 (\$ in millions) | Gross AmountRecognized intheCondensed ConsolidateBalanceSheets ${ }^{(a)}$ |  | Gross Amounts Not Offset in the <br> ndensed Consolidated Balance Sheets |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Derivatives | Collateral ${ }^{(b)}$ | Net Amount |
| Assets: |  |  |  |  |  |
| Derivatives | \$ | 815 | (213) | (362) | 240 |
| Total assets |  | 815 | (213) | (362) | 240 |
| Liabilities: |  |  |  |  |  |
| Derivatives |  | 602 | (213) | (155) | 234 |
| Total liabilities | \$ | 602 | (213) | (155) | 234 |

(a) Amount does not include IRLCs because these instruments are not subject to master netting or similar arrangements.
(b) Amount of collateral received as an offset to asset positions or pledged as an offset to liability positions. Collateral values in excess of related derivative amounts recognized in the Condensed Consolidated Balance Sheets were excluded from this table.

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## 13. Other Short-Term Borrowings

Borrowings with original maturities of one year or less are classified as short-term. The following table presents a summary of the Bancorp s other short-term borrowings as of:

|  | September 30, |  | December 31, |
| :--- | :---: | :---: | :---: |
| (\$ in millions) | $\mathbf{2 0 1 8}$ | 2017 |  |
| FHLB advances | $\$$ | $\mathbf{6 0 0}$ | 3,125 |
| Securities sold under repurchase agreements |  | $\mathbf{2 8 7}$ | 546 |
| Derivative collateral | $\mathbf{2 2 7}$ | 341 |  |
| Total other short-term borrowings | $\mathbf{1 , 1 1 4}$ | 4,012 |  |

The Bancorp s securities sold under repurchase agreements are accounted for as secured borrowings and are collateralized by securities included in available-for-sale debt and other securities in the Condensed Consolidated Balance Sheets. These securities are subject to changes in market value and, therefore, the Bancorp may increase or decrease the level of securities pledged as collateral based upon these movements in market value. As of both September 30, 2018 and December 31, 2017, all securities sold under repurchase agreements were secured by agency residential mortgage-backed securities and the repurchase agreements have an overnight remaining contractual maturity.

## 14. Long-Term Debt

On March 14, 2018, the Bancorp issued and sold $\$ 650$ million of $3.95 \%$ senior fixed-rate notes, with a maturity of ten years, due on March 14, 2028. These notes will be redeemable by the Bancorp, in whole or in part, on or after the date that is 30 days prior to the maturity date at a redemption price equal to $100 \%$ of the principal amount of the notes to be redeemed plus accrued and unpaid interest thereon to, but excluding, the redemption date.

On June 5, 2018, the Bancorp issued and sold $\$ 250$ million of senior floating-rate notes, with a maturity of three years, due on June 4, 2021. Interest on the floating-rate notes is 3 -month LIBOR plus 47 bps . These notes will be redeemable, in whole or in part, on or after the date that is 30 days prior to the maturity date at a redemption price equal to $100 \%$ of the principal amount of the notes to be redeemed plus accrued and unpaid interest thereon to, but excluding, the redemption date.

On July 26, 2018 the Bank issued and sold $\$ 1.55$ billion in aggregate principal amount of unsecured senior bank notes. The bank notes consisted of $\$ 500$ million of $3.35 \%$ senior fixed-rate notes, with a maturity of three years, due on July 26, 2021; $\$ 300$ million of senior floating-rate notes at three-month LIBOR plus 44 bps , with a maturity of three years, due on July 26, 2021; and $\$ 750$ million of $3.95 \%$ senior fixed-rate notes, with a maturity of seven years, due July 28, 2025. The Bank entered into interest rate swaps to convert the fixed-rate notes due in 2021 and 2025 to a floating-rate, which resulted in an effective interest rate of one-month LIBOR plus 53 bps and 104 bps , respectively.

These bank notes will be redeemable by the Bank, in whole or in part, on or after the date that is 30 days prior to the maturity date at a redemption price equal to $100 \%$ of the principal amount plus accrued and unpaid interest up to, but excluding, the redemption date.

## 15. Capital Actions

## Accelerated Share Repurchase Transactions

During the nine months ended September 30, 2018, the Bancorp entered into or settled accelerated share repurchase transactions. As part of these transactions, the Bancorp entered into forward contracts in which the final number of shares delivered at settlement was based generally on a discount to the average daily volume weighted-average price of the Bancorp s common stock during the term of these repurchase agreements. The accelerated share repurchases were treated as two separate transactions, (i) the acquisition of treasury shares on the repurchase date and (ii) a forward contract indexed to the Bancorp s common stock.

The following table presents a summary of the Bancorp s accelerated share repurchase transactions that were entered into or settled during the nine months ended September 30, 2018:

Shares Received

| Amount Shares Repurchased on from Forward |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Repurchase Date | (\$ in millions) | Date | Contract Settlement | Repurchased | Settlement Date |
| December 19, 2017 | \$ 273 | 7,727,273 | 824,367 | 8,551,640 | March 19, 2018 |
| February 12, 2018 | 318 | 8,691,318 | 1,015,731 | 9,707,049 | March 26, 2018 |
| May 25, 2018 | 235 | 6,402,244 | 1,172,122 | 7,574,366 | June 15, 2018 |

Open Market Share Repurchase Transactions
Between July 20, 2018 and August 2, 2018, the Bancorp repurchased 16,945,020 shares, or approximately $\$ 500$ million, of its outstanding common stock through open market repurchase transactions, which settled between July 24, 2018 and August 6, 2018.

For further information on a subsequent event related to capital actions, refer to Note 25.

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## 16. Commitments, Contingent Liabilities and Guarantees

The Bancorp, in the normal course of business, enters into financial instruments and various agreements to meet the financing needs of its customers. The Bancorp also enters into certain transactions and agreements to manage its interest rate and prepayment risks, provide funding, equipment and locations for its operations and invest in its communities. These instruments and agreements involve, to varying degrees, elements of credit risk, counterparty risk and market risk in excess of the amounts recognized in the Condensed Consolidated Balance Sheets. The creditworthiness of counterparties for all instruments and agreements is evaluated on a case-by-case basis in accordance with the Bancorp s credit policies. The Bancorp s significant commitments, contingent liabilities and guarantees in excess of the amounts recognized in the Condensed Consolidated Balance Sheets are discussed in the following sections.

## Commitments

The Bancorp has certain commitments to make future payments under contracts. The following table reflects a summary of significant commitments as of:

|  | September 30, | December 31, |
| :--- | :---: | ---: |
| (\$ in millions) | $\mathbf{2 0 1 8}$ | 2017 |
| Commitments to extend credit | $\mathbf{7 0 , 6 8 9}$ | 68,106 |
| Letters of credit | $\mathbf{2 , 0 6 2}$ | 2,185 |
| Forward contracts related to residential mortgage loans held for sale | $\mathbf{9 5 5}$ | 1,284 |
| Noncancelable operating lease obligations | $\mathbf{5 9 1}$ | 568 |
| Purchase obligations | $\mathbf{1 0 8}$ | 144 |
| Capital commitments for private equity investments | $\mathbf{3 3}$ | 48 |
| Capital expenditures | $\mathbf{3 1}$ | 37 |
| Capital lease obligations | $\mathbf{1 9}$ | 26 |
| Commitments to extend credit |  |  |

Commitments to extend credit are agreements to lend, typically having fixed expiration dates or other termination clauses that may require payment of a fee. Since many of the commitments to extend credit may expire without being drawn upon, the total commitment amounts do not necessarily represent future cash flow requirements. The Bancorp is exposed to credit risk in the event of nonperformance by the counterparty for the amount of the contract. Fixed-rate commitments are also subject to market risk resulting from fluctuations in interest rates and the Bancorp s exposure is limited to the replacement value of those commitments. As of September 30, 2018 and December 31, 2017, the Bancorp had a reserve for unfunded commitments, including letters of credit, totaling $\$ 129$ million and $\$ 161$ million,
respectively, included in other liabilities in the Condensed Consolidated Balance Sheets. The Bancorp monitors the credit risk associated with commitments to extend credit using the same standard regulatory risk rating system utilized for its loan and lease portfolio.

Risk ratings of outstanding commitments to extend credit under this risk rating system are summarized in the following table as of:

|  | September 30, | December 31, |  |
| :--- | :---: | ---: | ---: |
| (\$ in millions) | $\mathbf{2 0 1 8}$ | 2017 |  |
| Pass | $\mathbf{7 0 , 1 4 9}$ | 67,254 |  |
| Special mention | $\mathbf{2 8 3}$ | 330 |  |
| Substandard | $\mathbf{2 5 7}$ | $\mathbf{2 0 , 6 8 9}$ | 68,106 |
| Total commitments to extend credit |  |  |  |

Standby and commercial letters of credit are conditional commitments issued to guarantee the performance of a customer to a third party and expire as summarized in the following table as of September 30, 2018:

| (\$ in millions) |  |  |
| :--- | ---: | ---: |
| Less than 1 year ${ }^{(a)}$ | $\$$ | 1,062 |
| $1-5$ years ${ }^{(a)}$ | 989 |  |
| Over 5 years | 11 |  |
| Total letters of credit | $\$$ | 2,062 |

(a) Includes $\$ 4$ and $\$ 5$ issued on behalf of commercial customers to facilitate trade payments in U.S. dollars and foreign currencies which expire less than 1 year and between 1-5 years, respectively.
Standby letters of credit accounted for approximately $99 \%$ of total letters of credit at both September 30, 2018 and December 31, 2017, and are considered guarantees in accordance with U.S. GAAP. Approximately $61 \%$ of the total standby letters of credit were collateralized as of both September 30, 2018 and December 31, 2017. In the event of nonperformance by the customers, the Bancorp has rights to the underlying collateral, which can include commercial real estate, physical plant and property, inventory, receivables, cash and marketable securities. The reserve related to these standby letters of credit, which was included in the total reserve for unfunded commitments, was $\$ 5$ million and $\$ 6$ million at September 30, 2018 and December 31, 2017, respectively. The Bancorp monitors the credit risk associated with letters of credit using the same standard regulatory risk rating system utilized for its loan and lease portfolio.

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Risk ratings of outstanding letters of credit under this risk rating system are summarized in the following table as of:

|  | September 30, | December 31, |  |
| :--- | ---: | ---: | ---: |
| (\$ in millions) | $\mathbf{2 0 1 8}$ | 2017 |  |
| Pass | $\mathbf{1 , 8 9 4}$ | 1,830 |  |
| Special mention | $\mathbf{2 2}$ | 67 |  |
| Substandard | $\mathbf{1 4 6}$ | 218 |  |
| Doubtful | $\mathbf{-}$ | 70 |  |
| Total letters of credit | $\mathbf{\$}$ | $\mathbf{2 , 0 6 2}$ | 2,185 |

At September 30, 2018 and December 31, 2017, the Bancorp had outstanding letters of credit that were supporting certain securities issued as VRDNs. The Bancorp facilitates financing for its commercial customers, which consist of companies and municipalities, by marketing the VRDNs to investors. The VRDNs pay interest to holders at a rate of interest that fluctuates based upon market demand. The VRDNs generally have long-term maturity dates, but can be tendered by the holder for purchase at par value upon proper advance notice. When the VRDNs are tendered, a remarketing agent generally finds another investor to purchase the VRDNs to keep the securities outstanding in the market. As of September 30, 2018 and December 31, 2017, total VRDNs in which the Bancorp was the remarketing agent or were supported by a Bancorp letter of credit were $\$ 519$ million and $\$ 602$ million, respectively, of which FTS acted as the remarketing agent to issuers on $\$ 514$ million and $\$ 508$ million, respectively. As remarketing agent, FTS is responsible for actively remarketing VRDNs to other investors when they have been tendered. If another investor is not identified, FTS may choose to purchase the VRDNs into inventory at its discretion while it continues to remarket them. If FTS purchases the VRDNs into inventory, it can subsequently tender back the VRDNs to the issuer s trustee with proper advance notice. The Bancorp issued letters of credit, as a credit enhancement, to $\$ 273$ million and $\$ 331$ million of the VRDNs remarketed by FTS, in addition to $\$ 5$ million and $\$ 94$ million in VRDNs remarketed by third parties at September 30, 2018 and December 31, 2017, respectively. These letters of credit are included in the total letters of credit balance provided in the previous table. The Bancorp held $\$ 15$ million and $\$ 1$ million of these VRDNs in its portfolio and classified them as trading securities at September 30, 2018 and December 31, 2017, respectively.

## Forward contracts related to residential mortgage loans held for sale

The Bancorp enters into forward contracts to economically hedge the change in fair value of certain residential mortgage loans held for sale due to changes in interest rates. The outstanding notional amounts of these forward contracts are included in the summary of significant commitments table for all periods presented.

Noncancelable operating lease obligations and other commitments

The Bancorp s subsidiaries have entered into a number of noncancelable lease agreements. The minimum rental commitments under noncancelable lease agreements are shown in the summary of significant commitments table. The Bancorp has also entered into a limited number of agreements for work related to banking center construction and to purchase goods or services.

## Contingent Liabilities

## Legal claims

There are legal claims pending against the Bancorp and its subsidiaries that have arisen in the normal course of business. Refer to Note 17 for additional information regarding these proceedings.

## Guarantees

The Bancorp has performance obligations upon the occurrence of certain events under financial guarantees provided in certain contractual arrangements as discussed in the following sections.

## Residential mortgage loans sold with representation and warranty provisions

Conforming residential mortgage loans sold to unrelated third parties are generally sold with representation and warranty provisions. A contractual liability arises only in the event of a breach of these representations and warranties and, in general, only when a loss results from the breach. The Bancorp may be required to repurchase any previously sold loan, indemnify or make whole the investor or insurer for which the representation or warranty of the Bancorp proves to be inaccurate, incomplete or misleading. For more information on how the Bancorp establishes the residential mortgage repurchase reserve, refer to Note 1 of the Notes to Consolidated Financial Statements included in the Bancorp s Annual Report on Form 10-K for the year ended December 31, 2017.

As of September 30, 2018 and December 31, 2017, the Bancorp maintained reserves related to loans sold with representation and warranty provisions totaling $\$ 6$ million and $\$ 9$ million, respectively, included in other liabilities in the Condensed Consolidated Balance Sheets.

The Bancorp uses the best information available when estimating its mortgage representation and warranty reserve; however, the estimation process is inherently uncertain and imprecise and, accordingly, losses in excess of the amounts reserved as of September 30, 2018 are reasonably possible. The Bancorp currently estimates that it is reasonably possible that it could incur losses related to mortgage representation and warranty provisions in an amount up to approximately $\$ 10$ million in excess of amounts reserved. This estimate was derived by modifying the key assumptions to reflect management s judgment regarding reasonably possible adverse changes to those assumptions. The actual repurchase losses could vary significantly from the recorded mortgage representation and warranty reserve or this estimate of reasonably possible losses, depending on the outcome of various factors, including those previously discussed.

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Fifth Third Bancorp and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited)

For both the three months ended September 30, 2018 and 2017, the Bancorp paid an immaterial amount in the form of make whole payments and repurchased $\$ 4$ million in outstanding principal of loans to satisfy investor demands. For both the nine months ended September 30, 2018 and 2017, the Bancorp paid immaterial amounts in the form of make whole payments and repurchased $\$ 11$ million and $\$ 9$ million, respectively, in outstanding principal of loans to satisfy investor demands. Total repurchase demand requests during the three months ended September 30, 2018 and 2017 were $\$ 6$ million and $\$ 4$ million, respectively. Total repurchase demand requests during the nine months ended September 30, 2018 and 2017 were $\$ 17$ million and $\$ 12$ million, respectively. Total outstanding repurchase demand inventory was $\$ 5$ million and $\$ 1$ million at September 30, 2018 and December 31, 2017, respectively.

The following table summarizes activity in the reserve for representation and warranty provisions:


The following tables provide a rollforward of unresolved claims by claimant type for the nine months ended:

| September 30, 2018 (\$ in millions) | GSE |  | Private Label |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Units | Dollars | Units | Dollars |  |
| Balance, beginning of period | 6 | \$ | 1 | \$ | - |
| New demands | 104 | 17 | - |  | - |
| Resolved demands | (85) | (13) | - |  | - |
| Balance, end of period | 25 | \$ 5 | 1 | \$ | - |
|  |  | SE |  | ivat abe |  |
| September 30, 2017 (\$ in millions) | Units | Dollars | Units |  |  |
| Balance, beginning of period | 13 | \$ 2 | - | \$ | - |


| New demands | 86 | 12 | - |  |
| :--- | :---: | :---: | :---: | :---: |
| Loan paydowns/payoffs | $(2)$ | - | - |  |
| Resolved demands | $(90)$ | $(13)$ | - | - |
| Balance, end of period | 7 | $\$$ | 1 | - |

The Bancorp sold certain residential mortgage loans in the secondary market with credit recourse. In the event of any customer default, pursuant to the credit recourse provided, the Bancorp is required to reimburse the third party. The maximum amount of credit risk in the event of nonperformance by the underlying borrowers is equivalent to the total outstanding balance. In the event of nonperformance, the Bancorp has rights to the underlying collateral value securing the loan. The outstanding balances on these loans sold with credit recourse were $\$ 282$ million and $\$ 312$ million at September 30, 2018 and December 31, 2017, respectively, and the delinquency rates were $2.4 \%$ and $3.0 \%$ at September 30, 2018 and December 31, 2017, respectively. The Bancorp maintained an estimated credit loss reserve on these loans sold with credit recourse of $\$ 5$ million at both September 30, 2018 and December 31, 2017 recorded in other liabilities in the Condensed Consolidated Balance Sheets. To determine the credit loss reserve, the Bancorp used an approach that is consistent with its overall approach in estimating credit losses for various categories of residential mortgage loans held in its loan portfolio.

## Margin accounts

FTS, an indirect wholly-owned subsidiary of the Bancorp, guarantees the collection of all margin account balances held by its brokerage clearing agent for the benefit of its customers. FTS is responsible for payment to its brokerage clearing agent for any loss, liability, damage, cost or expense incurred as a result of customers failing to comply with margin or margin maintenance calls on all margin accounts. The margin account balances held by the brokerage clearing agent were $\$ 18$ million and $\$ 15$ million at September 30, 2018 and December 31, 2017, respectively. In the event of any customer default, FTS has rights to the underlying collateral provided. Given the existence of the underlying collateral provided and negligible historical credit losses, the Bancorp does not maintain a loss reserve related to the margin accounts.

## Long-term borrowing obligations

The Bancorp had certain fully and unconditionally guaranteed long-term borrowing obligations issued by wholly-owned issuing trust entities of $\$ 62$ million at both September 30, 2018 and December 31, 2017.

## Visa litigation

The Bancorp, as a member bank of Visa prior to Visa s reorganization and IPO (the IPO ) of its Class A common shares (the Class A Shares ) in 2008, had certain indemnification obligations pursuant to Visa s certificate of incorporation and by-laws and in accordance with their membership agreements. In accordance with Visa s by-laws prior to the IPO, the Bancorp could have been required to indemnify Visa for the Bancorp s proportional share of losses based on the pre-IPO membership interests. As part of its reorganization and IPO, the Bancorp s indemnification obligation was modified to include only certain known or anticipated litigation (the Covered Litigation ) as of the date of the restructuring. This modification triggered a requirement for the Bancorp to recognize a liability equal to the fair value of the indemnification liability.

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## Fifth Third Bancorp and Subsidiaries

Notes to Condensed Consolidated Financial Statements (unaudited)

In conjunction with the IPO, the Bancorp received 10.1 million of Visa s Class B common shares (the Class B Shares ) based on the Bancorp s membership percentage in Visa prior to the IPO. The Class B Shares are not transferable (other than to another member bank) until the later of the third anniversary of the IPO closing or the date which the Covered Litigation has been resolved; therefore, the Bancorp s Class B Shares were classified in other assets and accounted for at their carryover basis of $\$ 0$. Visa deposited $\$ 3$ billion of the proceeds from the IPO into a litigation escrow account, established for the purpose of funding judgments in, or settlements of, the Covered Litigation. Since then, when Visa s litigation committee determined that the escrow account was insufficient; Visa issued additional Class A Shares and deposited the proceeds from the sale of the Class A Shares into the litigation escrow account. When Visa funded the litigation escrow account, the Class B Shares were subjected to dilution through an adjustment in the conversion rate of Class B Shares into Class A Shares.

In 2009, the Bancorp completed the sale of Visa, Inc. Class B Shares and entered into a total return swap in which the Bancorp will make or receive payments based on subsequent changes in the conversion rate of the Class B Shares into Class A Shares. The swap terminates on the later of the third anniversary of Visa s IPO or the date on which the Covered Litigation is settled. Refer to Note 22 for additional information on the valuation of the swap. The counterparty to the swap as a result of its ownership of the Class B Shares will be impacted by dilutive adjustments to the conversion rate of the Class B Shares into Class A Shares caused by any Covered Litigation losses in excess of the litigation escrow account. If actual judgments in, or settlements of, the Covered Litigation significantly exceed current expectations, then additional funding by Visa of the litigation escrow account and the resulting dilution of the Class B Shares could result in a scenario where the Bancorp s ultimate exposure associated with the Covered Litigation (the Visa Litigation Exposure ) exceeds the value of the Class B Shares owned by the swap counterparty (the Class B Value ). In the event the Bancorp concludes that it is probable that the Visa Litigation Exposure exceeds the Class B Value, the Bancorp would record a litigation reserve liability and a corresponding amount of other noninterest expense for the amount of the excess. Any such litigation reserve liability would be separate and distinct from the fair value derivative liability associated with the total return swap.

As of the date of the Bancorp s sale of the Visa Class B Shares and through September 30, 2018, the Bancorp has concluded that it is not probable that the Visa Litigation Exposure will exceed the Class B value. Based on this determination, upon the sale of Class B Shares, the Bancorp reversed its net Visa litigation reserve liability and recognized a free-standing derivative liability associated with the total return swap. The fair value of the swap liability was $\$ 144$ million at September 30, 2018 and $\$ 137$ million at December 31, 2017. Refer to Note 12 and Note 22 for further information.

After the Bancorp s sale of the Class B Shares, Visa has funded additional amounts into the litigation escrow account which have resulted in further dilutive adjustments to the conversion of Class B Shares into Class A Shares, and along with other terms of the total return swap, required the Bancorp to make cash payments in varying amounts to the swap counterparty as follows:

|  | Visa <br> Period (\$ in millions) | Bancorp Cash <br> Payment Amount |
| :--- | :---: | :---: |
| Q2 2010 | $\$$ | 500 |
| Q4 2010 | 800 | 20 |
| Q2 2011 | 400 | 35 |
| Q1 2012 | 1,565 | 19 |
| Q3 2012 | 150 | 75 |
| Q3 2014 | 450 | 6 |
| Q2 2018 | 600 | 18 |

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## Fifth Third Bancorp and Subsidiaries

Notes to Condensed Consolidated Financial Statements (unaudited)

## 17. Legal and Regulatory Proceedings

## Litigation

## Visa/MasterCard Merchant Interchange Litigation

In April 2006, the Bancorp was added as a defendant in a consolidated antitrust class action lawsuit originally filed against Visa ${ }^{\circledR}$, MasterCard ${ }^{\circledR}$ and several other major financial institutions in the United States District Court for the Eastern District of New York (In re: Payment Card Interchange Fee and Merchant Discount Antitrust Litigation, Case No. 05-MD-1720). The plaintiffs, merchants operating commercial businesses throughout the U.S. and trade associations, claimed that the interchange fees charged by card-issuing banks were unreasonable and sought injunctive relief and unspecified damages. In addition to being a named defendant, the Bancorp is also subject to a possible indemnification obligation of Visa as discussed in Note 16 and has also entered into judgment and loss sharing agreements with Visa, MasterCard and certain other named defendants. In October 2012, the parties to the litigation entered into a settlement agreement. On January 14, 2014, the trial court entered a final order approving the class settlement. A number of merchants filed appeals from that approval. The U.S. Court of Appeals for the Second Circuit held a hearing on those appeals and on June 30, 2016, reversed the district court s approval of the class settlement, remanding the case to the district court for further proceedings. On March 27, 2017, the Supreme Court of the United States denied a petition for writ of certiorari seeking to review the Second Circuit s decision. Pursuant to the terms of the overturned settlement agreement, the Bancorp previously paid $\$ 46$ million into a class settlement escrow account. Approximately 8,000 merchants requested exclusion from the class settlement, and therefore, pursuant to the terms of the overturned settlement agreement, approximately $25 \%$ of the funds paid into the class settlement escrow account were already returned to the control of the defendants. The remaining approximately $75 \%$ of the settlement funds paid by the Bancorp are maintained in the escrow account. More than 500 of the merchants who requested exclusion from the class filed separate federal lawsuits against Visa, MasterCard and certain other defendants alleging similar antitrust violations. These individual federal lawsuits were transferred to the United States District Court for the Eastern District of New York. While the Bancorp is only named as a defendant in one of the individual federal lawsuits, it may have obligations pursuant to indemnification arrangements and/or the judgment or loss sharing agreements noted above. On June 5, 2018, the defendants in the consolidated class action reached an agreement to settle in principle with the proposed plaintiffs class seeking monetary damages (the Plaintiff Damages Class ). On September 17, 2018, those parties signed a settlement agreement (the Amended Settlement Agreement ) superseding the original settlement agreement entered into in October 2012. The Amended Settlement Agreement includes, among other terms, a release from participating class members for liability for claims that accrue no later than five years after the Amended Settlement Agreement becomes final. The Amended Settlement Agreement provides for a total payment by all defendants of $\$ 6.24$ billion, composed of approximately $\$ 5.3$ billion held in escrow and an additional $\$ 900$ million. The Bancorp s allocated share of the putative settlement is within existing reserves. If more than $15 \%$ of class members (by payment volume) opt out of the class, up to $\$ 700$ million of the settlement payment may be returned to the defendants. The settlement is subject to District Court approval, and on September 18, 2018, the Plaintiff Damages Class filed a Motion for Preliminary Approval of the Amended Settlement Agreement. This settlement does not resolve the claims of the separate proposed plaintiffs class seeking injunctive relief or the claims
of merchants who are pursuing separate lawsuits. The ultimate outcome in this matter, including the timing of resolution, therefore remains uncertain. Refer to Note 16 for further information.

## Klopfenstein v. Fifth Third Bank

On August 3, 2012, William Klopfenstein and Adam McKinney filed a lawsuit against Fifth Third Bank in the United States District Court for the Northern District of Ohio (Klopfenstein et al. v. Fifth Third Bank), alleging that the $120 \%$ APR that Fifth Third disclosed on its Early Access program was misleading. Early Access is a deposit-advance program offered to eligible customers with checking accounts. The plaintiffs sought to represent a nationwide class of customers who used the Early Access program and repaid their cash advances within 30 days. On October 31, 2012, the case was transferred to the United States District Court for the Southern District of Ohio. In 2013, four similar putative class actions were filed against Fifth Third Bank in federal courts throughout the country (Lori and Danielle Laskaris v. Fifth Third Bank, Janet Fyock v. Fifth Third Bank, Jesse McQuillen v. Fifth Third Bank, and Brian Harrison v. Fifth Third Bank). Those four lawsuits were transferred to the Southern District of Ohio and consolidated with the original lawsuit as In re: Fifth Third Early Access Cash Advance Litigation (Case No. 1:12-CV-00851). On behalf of a putative class, the plaintiffs seek unspecified monetary and statutory damages, injunctive relief, punitive damages, attorney s fees, and pre- and post-judgment interest. On March 30, 2015, the court dismissed all claims alleged in the consolidated lawsuit except a claim under the TILA. On January 10, 2018, plaintiffs filed a motion to hear the immediate appeal of the dismissal of their breach of contract claim. On March 28, 2018, the court granted plaintiffs motion and stayed the TILA claim pending that appeal. On April 26, 2018, plaintiffs filed their notice of appeal for the breach of contract claim with the U.S. Court of Appeals for the Sixth Circuit.

## Helton v. Fifth Third Bank

On August 31, 2015, trust beneficiaries filed an action against Fifth Third Bank, as trustee, in the Probate Court for Hamilton County, Ohio (Helen Clarke Helton, et al. v. Fifth Third Bank, Case No. 2015003814). The plaintiffs allege breach of the duty to diversify, breach of the duty of impartiality, breach of trust/fiduciary duty, and unjust enrichment, based on Fifth Third s alleged failure to diversify assets held in two trusts for the plaintiffs benefit. The lawsuit seeks over $\$ 800$ million in alleged damages, attorney s fees, removal of Fifth Third as trustee, and injunctive relief. Fifth Third denies all liability. On April 20, 2018, the Court denied plaintiffs motion for summary judgment and granted summary judgment to Fifth Third, dismissing the case in its entirety. The plaintiffs filed a notice of appeal on May 5, 2018.

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## Fifth Third Bancorp and Subsidiaries

Notes to Condensed Consolidated Financial Statements (unaudited)

Upsher-Smith Laboratories, Inc. v. Fifth Third Bank

On February 12, 2016, Upsher-Smith Laboratories, Inc. ( Upsher-Smith ) filed suit against Fifth Third Bank in the Fourth Judicial District, Hennepin County, Minnesota (Upsher-Smith Laboratories Inc. v. Fifth Third Bank, Case No. 16-cv-00556), alleging that Fifth Third improperly implemented foreign exchange transactions requested by plaintiff s authorized employee who allegedly was the victim of fraud by a third party. Plaintiff asserts claims for breach of contract and the implied covenant of good faith and fair dealing under Article 4A-202 of the Uniform Commercial Code, with losses allegedly totaling almost $\$ 40$ million, plus interest. Fifth Third denies all liability in this matter. On March 3, 2016, Fifth Third removed the case to the United States District Court for the District of Minnesota. No trial date has been scheduled.

## Other litigation

The Bancorp and its subsidiaries are not parties to any other material litigation. However, there are other litigation matters that arise in the normal course of business. While it is impossible to ascertain the ultimate resolution or range of financial liability with respect to these contingent matters, management believes that the resulting liability, if any, from these other actions would not have a material effect upon the Bancorp s consolidated financial position, results of operations or cash flows.

## Governmental Investigations and Proceedings

The Bancorp and/or its affiliates are or may become involved in information-gathering requests, reviews, investigations and proceedings (both formal and informal) by various governmental regulatory agencies and law enforcement authorities, including but not limited to the FRB, CFPB, SEC, FINRA, U.S. Department of Justice, etc., as well as state and other governmental authorities and self-regulatory bodies regarding their respective businesses. Additional matters will likely arise from time to time. Any of these matters may result in material adverse consequences or reputational harm to the Bancorp, its affiliates and/or their respective directors, officers and other personnel, including adverse judgments, findings, settlements, fines, penalties, orders, injunctions or other actions, amendments and/or restatements of the Bancorp s SEC filings and/or financial statements, as applicable, and/or determinations of material weaknesses in our disclosure controls and procedures. Investigations by regulatory authorities may from time to time result in civil or criminal referrals to law enforcement. Additionally, in some cases, regulatory authorities may take supervisory actions that are considered to be confidential supervisory information which may not be publicly disclosed.

## Reasonably Possible Losses in Excess of Accruals

The Bancorp and its subsidiaries are parties to numerous claims and lawsuits as well as threatened or potential actions or claims concerning matters arising from the conduct of its business activities. The outcome of claims or litigation and the timing of ultimate resolution are inherently difficult to predict. The following factors, among others, contribute to this lack of predictability: claims often include significant legal uncertainties, damages alleged by

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plaintiffs are often unspecified or overstated, discovery may not have started or may not be complete and material facts may be disputed or unsubstantiated. As a result of these factors, the Bancorp is not always able to provide an estimate of the range of reasonably possible outcomes for each claim. An accrual for a potential litigation loss is established when information related to the loss contingency indicates both that a loss is probable and that the amount of loss can be reasonably estimated. Any such accrual is adjusted from time to time thereafter as appropriate to reflect changes in circumstances. The Bancorp also determines, when possible (due to the uncertainties described above), estimates of reasonably possible losses or ranges of reasonably possible losses, in excess of amounts accrued. Under U.S. GAAP, an event is reasonably possible if the chance of the future event or events occurring is more than remote but less than likely and an event is remote if the chance of the future event or events occurring is slight. Thus, references to the upper end of the range of reasonably possible loss for cases in which the Bancorp is able to estimate a range of reasonably possible loss mean the upper end of the range of loss for cases for which the Bancorp believes the risk of loss is more than slight. For matters where the Bancorp is able to estimate such possible losses or ranges of possible losses, the Bancorp currently estimates that it is reasonably possible that it could incur losses related to legal and regulatory proceedings in an aggregate amount up to approximately $\$ 9$ million in excess of amounts accrued, with it also being reasonably possible that no losses will be incurred in these matters. The estimates included in this amount are based on the Bancorp s analysis of currently available information, and as new information is obtained the Bancorp may change its estimates

For these matters and others where an unfavorable outcome is reasonably possible but not probable, there may be a range of possible losses in excess of the established accrual that cannot be estimated. Based on information currently available, advice of counsel, available insurance coverage and established accruals, the Bancorp believes that the eventual outcome of the actions against the Bancorp and/or its subsidiaries, including the matters described above, will not, individually or in the aggregate, have a material adverse effect on the Bancorp s consolidated financial position. However, in the event of unexpected future developments, it is possible that the ultimate resolution of those matters, if unfavorable, may be material to the Bancorp s results of operations for any particular period, depending, in part, upon the size of the loss or liability imposed and the operating results for the applicable period.

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## Fifth Third Bancorp and Subsidiaries

Notes to Condensed Consolidated Financial Statements (unaudited)

## 18. Related Party Transactions

## Worldpay, Inc. and Worldpay Holding, LLC

On January 16, 2018, Vantiv, Inc. completed its previously announced acquisition of Worldpay Group plc. with the resulting combined company named Worldpay, Inc. As a result of this transaction, the Bancorp recognized a gain of $\$ 414$ million in other noninterest income during the first quarter of 2018 associated with the dilution in its ownership interest in Worldpay Holding, LLC from approximately $8.6 \%$ to approximately $4.9 \%$.

On June 27, 2018, the Bancorp completed the sale of 5 million shares of Class A common stock of Worldpay, Inc. The Bancorp had previously received these Class A shares in exchange for Class B Units of Worldpay Holding, LLC. The Bancorp recognized a gain of $\$ 205$ million related to the sale. As a result of the sale, the Bancorp beneficially owns approximately $3.3 \%$ of Worldpay s equity through its ownership of approximately 10.3 million Class B Units. At September 30, 2018, the Bancorp s remaining interest in Worldpay Holding, LLC of $\$ 424$ million continues to be accounted for as an equity method investment given the nature of Worldpay Holding, LLC s structure as a limited liability company and contractual arrangements between Worldpay Holding, LLC and the Bancorp.

## GS Holdings

In May 2018, GreenSky, Inc. launched an IPO and issued 38 million shares of Class A common stock for a valuation of $\$ 23$ per share. In connection with this IPO, the Bancorp s investment in GreenSky, LLC, which was comprised of 252,550 membership units, was converted to $2,525,498$ units of the newly formed GreenSky Holdings, LLC ( GS Holdings ), representing a $1.4 \%$ interest in GS Holdings. The Bancorp s units in GS Holdings are exchangeable on a one-to-one basis for Class A common stock or cash after the initial 180-day lock-up period expires.

At the time of the IPO, the Bancorp recognized a $\$ 16$ million gain on its investment in GreenSky, LLC, which was included in other noninterest income in the Condensed Consolidated Statements of Income for the three and six months ended June 30, 2018. At September 30, 2018, the investment in GS Holdings was $\$ 45$ million, which was included in equity securities in the Condensed Consolidated Balance Sheets.

## 19. Income Taxes

The applicable income tax expense was $\$ 79$ million and $\$ 475$ million for the three months ended September 30, 2018 and 2017, respectively, and $\$ 321$ million and $\$ 694$ million for the nine months ended September 30, 2018 and 2017, respectively. The effective tax rates for the three months ended September 30, 2018 and 2017 were $15.6 \%$ and $31.9 \%$, respectively, and $15.7 \%$ and $29.2 \%$ for the nine months ended September 30, 2018 and 2017, respectively. The decrease in the effective tax rate for both the three and nine months ended September 30, 2018 compared to the same periods in the prior year was primarily related to the reduction in the federal statutory corporate tax rate partially offset by changes to previously deductible items associated with the enactment of the TCJA.

While it is reasonably possible that the amount of the unrecognized tax benefits with respect to certain of the Bancorp s uncertain tax positions could increase or decrease during the next 12 months, the Bancorp believes it is unlikely that its unrecognized tax benefits will change by a material amount during the next 12 months.

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Fifth Third Bancorp and Subsidiaries

Notes to Condensed Consolidated Financial Statements (unaudited)

## 20. Accumulated Other Comprehensive Income

The tables below present the activity of the components of OCI and AOCI for the three months ended:

|  |  | Total | OCI |  | Total A | OCI |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| September 30, 2018 (\$ in millions) | Pretax <br> Activity | Tax <br> Effect | Net Activity | Beginning Balance | Net Activity | Ending <br> Balance |
| Unrealized holding losses on available-for-sale debt securities arising during period | (271) | 64 | (207) |  |  |  |
| Reclassification adjustment for net losses on available-for-sale debt securities included in net income | - | - | - |  |  |  |
| Net unrealized losses on available-for-sale debt securities | (271) | 64 | (207) | (485) | (207) | (692) |
| Unrealized holding losses on cash flow hedge derivatives arising during period | (25) | 6 | (19) |  |  |  |
| Reclassification adjustment for net losses on cash flow hedge derivatives included in net income | 2 | - | 2 |  |  |  |
| Net unrealized losses on cash flow hedge derivatives | (23) | 6 | (17) | (16) | (17) | (33) |
| Net actuarial loss arising during the period | (2) | - | (2) |  |  |  |
| Reclassification of amounts to net periodic benefit costs | 3 | - | 3 |  |  |  |
| Defined benefit pension plans, net | 1 | - | 1 | (51) | 1 | (50) |
| Total \$ | (293) | 70 | (223) | (552) | (223) | (775) |
|  |  | Total | OCI |  | Total A | OCI |
| September 30, 2017 (\$ in millions) | Pretax Activity | Tax Effect | Net Activity | Beginning Balance | Net Activity | Ending <br> Balance |
| Unrealized holding gains on available-for-sale securities arising during period | 34 | (12) | 22 |  |  |  |
| Reclassification adjustment for net losses on available-for-sale securities included in net income | 1 | - | 1 |  |  |  |
| Net unrealized gains on available-for-sale securities | 35 | (12) | 23 | 210 | 23 | 233 |


| Unrealized holding gains on cash flow hedge derivatives arising during period |  | - | - | - |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Reclassification adjustment for net gains on cash flow hedge derivatives included in net income |  | (3) | 1 | (2) |  |  |  |
| Net unrealized gains on cash flow hedge derivatives |  | (3) | 1 | (2) | 3 | (2) | 1 |
| Net actuarial loss arising during the period |  | (3) | 1 | (2) |  |  |  |
| Reclassification of amounts to net periodic benefit costs |  | 5 | (2) | 3 |  |  |  |
| Defined benefit pension plans, net |  | 2 | (1) | 1 | (50) | 1 | (49) |
| Total | \$ | 34 | (12) | 22 | 163 | 22 | 185 |

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Fifth Third Bancorp and Subsidiaries

Notes to Condensed Consolidated Financial Statements (unaudited)

The tables below present the activity of the components of OCI and AOCI for the nine months ended:

(a) The Bancorp s AOCI balance was adjusted as of January 1, 2018 to reflect the adoption of new accounting standards. Refer to Note 3 for additional information.


| Net unrealized gains on available-for-sale <br> securities | 207 | $(75)$ | 132 | 101 | 132 | 233 |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Unrealized holding gains on cash flow hedge <br> derivatives arising during period |  |  |  |  |  |  |
| Reclassification adjustment for net gains on <br> cash flow hedge derivatives included in net <br> income | $(17)$ | 6 | $(1)$ | 2 | $(11)$ |  |
| Net unrealized gains on cash flow hedge <br> derivatives | $(14)$ | 5 | $(9)$ | 10 | $(9)$ | 1 |
| Net actuarial loss arising during the period | $(4)$ | 1 | $(3)$ |  |  |  |
| Reclassification of amounts to net periodic <br> benefit costs | 9 | $(3)$ | 6 |  |  |  |
| Defined benefit pension plans, net <br> Total | 5 | $(2)$ | 3 | $(52)$ | 3 | $(49)$ |

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Fifth Third Bancorp and Subsidiaries

Notes to Condensed Consolidated Financial Statements (unaudited)

The table below presents reclassifications out of AOCI :

| Components of AOCI: (\$ in millions) | Condensed <br> Consolidated <br> Statements of Income Caption | For the th ended Sep $2018$ | months mber 30, $2017$ | For the nin ended Sept $2018$ | months mber 30, $2017$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Net unrealized losses on available-for-sale debt securities: ${ }^{(b)}$ |  |  |  |  |  |
| Net losses included in net income | Securities (losses) gains, net | - | (1) | (9) | (3) |
|  | Income before income taxes | - | (1) | (9) | (3) |
|  | Applicable income tax expense | - | - | 2 | 1 |
|  | Net income | - | (1) | (7) | (2) |
| Net unrealized (losses) gains on cash flow hedge derivatives: ${ }^{(b)}$ |  |  |  |  |  |
| Interest rate contracts related to C\&I loans | Interest and fees on loans and leases | (2) | 3 | (2) | 17 |
|  | Income before income taxes | (2) | 3 | (2) | 17 |
|  | Applicable income tax expense | - | (1) | - | (6) |
|  | Net income | (2) | 2 | (2) | 11 |
| Net periodic benefit costs: ${ }^{(b)}$ |  |  |  |  |  |
| Amortization of net actuarial loss | Employee benefits expense ${ }^{(a)}$ | (1) | (2) | (5) | (6) |
| Settlements | Employee benefits expense ${ }^{(a)}$ | (2) | (3) | (2) | (3) |
|  | Income before income taxes | (3) | (5) | (7) | (9) |
|  | Applicable income tax expense | - | 2 | 2 | 3 |
|  | Net income | (3) | (3) | (5) | (6) |
| Total reclassifications for the period | Net income \$ | (5) | (2) | (14) | 3 |

(a) This AOCI component is included in the computation of net periodic benefit cost. Refer to Note 21 of the Notes to Consolidated Financial Statements included in the Bancorp s Annual Report on Form 10-K for the year ended December 31, 2017 for further information.
(b) Amounts in parentheses indicate reductions to net income.

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Fifth Third Bancorp and Subsidiaries

Notes to Condensed Consolidated Financial Statements (unaudited)

## 21. Earnings Per Share

The following tables provide the calculation of earnings per share and the reconciliation of earnings per share and earnings per diluted share:

| For the three months ended September 30, (in millions, except per share data) | 2018 |  |  |  | 2017 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Income | Average Shares | Per Share Amount | Income | Average Shares | Per Share Amount |
| Earnings Per Share: |  |  |  |  |  |  |  |
| Net income available to common shareholders | \$ | 418 |  |  | 999 |  |  |
| Less: Income allocated to participating securities |  | 5 |  |  | 10 |  |  |
| Net income allocated to common shareholders | \$ | 413 | 668 | 0.62 | 989 | 721 | 1.37 |
| Earnings Per Diluted Share: |  |  |  |  |  |  |  |
| Net income available to common shareholders | \$ | 418 |  |  | 999 |  |  |
| Effect of dilutive securities: |  |  |  |  |  |  |  |
| Stock-based awards |  | - | 11 |  | - | 12 |  |
| Net income available to common shareholders plus assumed conversions |  | 418 |  |  | 999 |  |  |
| Less: Income allocated to participating securities |  | 5 |  |  | 10 |  |  |
| Net income allocated to common shareholders plus assumed conversions | \$ | 413 | 679 | 0.61 | 989 | 733 | 1.35 |


| For the nine months ended September 30, (in millions, except per share data) | Income |  | 2018 |  | 2017 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Average Shares | Per Share Amount | Income | Average Shares | Per Share Amount |
| Earnings Per Share: |  |  |  |  |  |  |  |
| Net income available to common shareholders | \$ | 1,669 |  |  | 1,633 |  |  |
| Less: Income allocated to participating securities |  | 18 |  |  | 18 |  |  |
| Net income allocated to common shareholders | \$ | 1,651 | 680 | 2.43 | 1,615 | 737 | 2.19 |
| Earnings Per Diluted Share: |  |  |  |  |  |  |  |
| Net income available to common shareholders | \$ | 1,669 |  |  | 1,633 |  |  |
| Effect of dilutive securities: |  |  |  |  |  |  |  |
| Stock-based awards |  | - | 13 |  | - | 12 |  |
| Net income available to common shareholders plus assumed conversions |  | 1,669 |  |  | 1,633 |  |  |

Less: Income allocated to participating securities 18

18
Net income allocated to common shareholders plus $\begin{array}{llllllllll}\text { assumed conversions } & \$ & \mathbf{1 , 6 5 1} & \mathbf{6 9 3} & \mathbf{2 . 3 8} & 1,615 & 749 & 2.16\end{array}$
Shares are excluded from the computation of earnings per diluted share when their inclusion has an anti-dilutive effect on earnings per share. The diluted earnings per share computation for both the three and nine months ended September 30, 2018 excludes 2 million of SARs and an immaterial amount of stock options because their inclusion would have been anti-dilutive. The diluted earnings per share computation for the three and nine months ended September 30, 2017 excludes 4 million and 5 million, respectively, of SARs and an immaterial amount of stock options because their inclusion would have been anti-dilutive.

The diluted earnings per share computation for the three and nine months ended September 30, 2017 excludes the impact of the forward contract related to the August 17, 2017 accelerated share repurchase transaction. Based upon the average daily volume weighted-average price of the Bancorp s common stock during the third quarter of 2017, the counterparty to the transaction would have been required to deliver additional shares for the settlement of the forward contract as of September 30, 2017, and thus the impact of the forward contract related to the accelerated share repurchase transaction would have been anti-dilutive to earnings per share.

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## 22. Fair Value Measurements

The Bancorp measures certain financial assets and liabilities at fair value in accordance with U.S. GAAP, which defines fair value as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. U.S. GAAP also establishes a fair value hierarchy, which prioritizes the inputs to valuation techniques used to measure fair value into three broad levels. The fair value hierarchy gives the highest priority to quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3). A financial instrument s categorization within the fair value hierarchy is based upon the lowest level of input that is significant to the instrument $s$ fair value measurement. For more information regarding the fair value hierarchy, refer to Note 1 of the Notes to Consolidated Financial Statements included in the Bancorp s Annual Report on Form 10-K for the year ended December 31, 2017.

## Assets and Liabilities Measured at Fair Value on a Recurring Basis

The following tables summarize assets and liabilities measured at fair value on a recurring basis as of:

| September 30, 2018 (\$ in millions) | Fair Value Measurements Using |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Level $1^{(c)}$ Level $2^{(c)}$ |  |  | Level 3 | Total Fair Value |
| Assets: |  |  |  |  |  |
| Available-for-sale debt and other securities: |  |  |  |  |  |
| U.S. Treasury and federal agencies securities | \$ | 95 |  | - | 95 |
| Obligations of states and political subdivisions securities |  | - | 2 | - | 2 |
| Mortgage-backed securities: |  |  |  |  |  |
| Agency residential mortgage-backed securities |  | - | 15,973 | - | 15,973 |
| Agency commercial mortgage-backed securities |  | - | 10,046 | - | 10,046 |
| Non-agency commercial mortgage-backed securities |  | - | 3,097 | - | 3,097 |
| Asset-backed securities and other debt securities |  | - | 2,044 | - | 2,044 |
| Available-for-sale debt and other securities ${ }^{(a)}$ |  | 95 | 31,162 | - | 31,257 |
| Trading debt securities: |  |  |  |  |  |
| U.S. Treasury and federal agencies securities |  | 5 | 15 | - | 20 |
| Obligations of states and political subdivisions securities |  | - | 69 | - | 69 |
| Agency residential mortgage-backed securities |  | - | 63 | - | 63 |
| Asset-backed securities and other debt securities |  | - | 117 | - | 117 |
| Trading debt securities |  | 5 | 264 | - | 269 |
| Equity securities |  | 499 | 1 | - | 500 |
| Residential mortgage loans held for sale |  | - | 563 | - | 563 |

[^4]| Residential mortgage loans ${ }^{(b)}$ |  | - | - | 172 | 172 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Commercial loans held for sale |  | - | 6 | - | 6 |
| MSRs |  | - | - | 1,010 | 1,010 |
| Derivative assets: |  |  |  |  |  |
| Interest rate contracts |  | 4 | 534 | 7 | 545 |
| Foreign exchange contracts |  | - | 124 | - | 124 |
| Commodity contracts |  | 34 | 281 | - | 315 |
| Derivative assets ${ }^{(d)}$ |  | 38 | 939 | 7 | 984 |
| Total assets | \$ | 637 | 32,935 | 1,189 | 34,761 |
| Liabilities: |  |  |  |  |  |
| Derivative liabilities: |  |  |  |  |  |
| Interest rate contracts | \$ | - | 355 | 8 | 363 |
| Foreign exchange contracts |  | - | 110 | - | 110 |
| Equity contracts |  | - | - | 144 | 144 |
| Commodity contracts |  | 104 | 192 | - | 296 |
| Derivative liabilities ${ }^{(e)}$ |  | 104 | 657 | 152 | 913 |
| Short positions ${ }^{(e)}$ |  | 47 | 51 | - | 98 |
| Total liabilities | \$ | 151 | 708 | 152 | 1,011 |

(a) Excludes FHLB, FRB and DTCC restricted stock holdings totaling \$184, \$365 and \$2, respectively, at September 30, 2018.
(b) Includes residential mortgage loans originated as held for sale and subsequently transferred to held for investment.
(c) During both the three and nine months ended September 30, 2018, no assets or liabilities were transferred between Level 1 and Level 2.
(d) Included in other assets in the Condensed Consolidated Balance Sheets.
(e) Included in other liabilities in the Condensed Consolidated Balance Sheets.

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Notes to Condensed Consolidated Financial Statements (unaudited)

| December 31, 2017 (\$ in millions) | Level $1^{(c)}$ |  | Level $2^{(c)}$ | Level 3 | Total Fair Value |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Assets: |  |  |  |  |  |
| Available-for-sale debt and other securities: |  |  |  |  |  |
| U.S. Treasury and federal agencies securities | \$ | 98 | - | - | 98 |
| Obligations of states and political subdivisions securities |  | - | 44 | - | 44 |
| Mortgage-backed securities: |  |  |  |  |  |
| Agency residential mortgage-backed securities |  | - | 15,319 | - | 15,319 |
| Agency commercial mortgage-backed securities |  | - | 10,167 | - | 10,167 |
| Non-agency commercial mortgage-backed securities |  | - | 3,293 | - | 3,293 |
| Asset-backed securities and other debt securities |  | - | 2,218 | - | 2,218 |
| Available-for-sale debt and other securities ${ }^{(a)}$ |  | 98 | 31,041 | - | 31,139 |
| Trading debt securities: |  |  |  |  |  |
| U.S. Treasury and federal agencies securities |  | 1 | 11 | - | 12 |
| Obligations of states and political subdivisions securities |  | - | 22 | - | 22 |
| Residential mortgage-backed securities |  | - | 395 | - | 395 |
| Asset-backed securities and other debt securities |  | - | 63 | - | 63 |
| Trading debt securities |  | 1 | 491 | - | 492 |
| Equity securities |  | 438 | 1 | - | 439 |
| Residential mortgage loans held for sale |  | - | 399 | - | 399 |
| Residential mortgage loans ${ }^{(b)}$ |  | - | - | 137 | 137 |
| MSRs |  | - | - | 858 | 858 |
| Derivative assets: |  |  |  |  |  |
| Interest rate contracts |  | 1 | 505 | 8 | 514 |
| Foreign exchange contracts |  | - | 124 | - | 124 |
| Equity contracts |  | - | 20 | - | 20 |
| Commodity contracts |  | 39 | 126 | - | 165 |
| Derivative assets ${ }^{(d)}$ |  | 40 | 775 | 8 | 823 |
| Total assets | \$ | 577 | 32,707 | 1,003 | 34,287 |
| Liabilities: |  |  |  |  |  |
| Derivative liabilities: |  |  |  |  |  |
| Interest rate contracts | \$ | 1 | 172 | 5 | 178 |
| Foreign exchange contracts |  | - | 120 | - | 120 |
| Equity contracts |  | - | - | 137 | 137 |
| Commodity contracts |  | 38 | 129 | - | 167 |
| Derivative liabilities ${ }^{(e)}$ |  | 39 | 421 | 142 | 602 |
| Short positions ${ }^{(e)}$ |  | 25 | 6 | - | 31 |
| Total liabilities | \$ | 64 | 427 | 142 | 633 |

[^5](b) Includes residential mortgage loans originated as held for sale and subsequently transferred to held for investment.
(c) During the year ended December 31, 2017, no assets or liabilities were transferred between Level 1 and Level 2.
(d) Included in other assets in the Condensed Consolidated Balance Sheets.
(e) Included in other liabilities in the Condensed Consolidated Balance Sheets.

The following is a description of the valuation methodologies used for significant instruments measured at fair value, as well as the general classification of such instruments pursuant to the valuation hierarchy.

Available-for-sale debt and other securities, trading debt securities and equity securities

Where quoted prices are available in an active market, securities are classified within Level 1 of the valuation hierarchy. Level 1 securities include U.S. Treasury securities and equity securities. If quoted market prices are not available, then fair values are estimated using pricing models, quoted prices of securities with similar characteristics or DCFs. Level 2 securities may include federal agencies securities, obligations of states and political subdivisions securities, agency and non-agency residential mortgage-backed securities, agency and non-agency commercial mortgage-backed securities, asset-backed securities and other debt securities and equity securities. These securities are generally valued using a market approach based on observable prices of securities with similar characteristics.

## Residential mortgage loans held for sale

For residential mortgage loans held for sale for which the fair value election has been made, fair value is estimated based upon mortgage-backed securities prices and spreads to those prices or, for certain ARM loans, DCF models that may incorporate the anticipated portfolio composition, credit spreads of asset-backed securities with similar collateral and market conditions. The anticipated portfolio composition includes the effect of interest rate spreads and discount rates due to loan characteristics such as the state in which the loan was originated, the loan amount and the ARM margin. Residential mortgage loans held for sale that are valued based on mortgage-backed securities prices are classified within Level 2 of the valuation hierarchy as the valuation is based on external pricing for similar instruments. ARM loans classified as held for sale are also classified within Level 2 of the valuation hierarchy due to the use of observable inputs in the DCF model. These observable inputs include interest rate spreads from agency mortgage-backed securities market rates and observable discount rates.

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## Fifth Third Bancorp and Subsidiaries

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## Residential mortgage loans

Residential mortgage loans held for sale that are reclassified to held for investment are transferred from Level 2 to Level 3 of the fair value hierarchy. It is the Bancorp s policy to value any transfers between levels of the fair value hierarchy based on end of period fair values. For residential mortgage loans for which the fair value election has been made, and that are reclassified from held for sale to held for investment, the fair value estimation is based on mortgage-backed securities prices, interest rate risk and an internally developed credit component. Therefore, these loans are classified within Level 3 of the valuation hierarchy. An adverse change in the loss rate or severity assumption would result in a decrease in fair value of the related loan. The Secondary Marketing department, which reports to the Bancorp s Head of the Consumer Bank, in conjunction with the Consumer Credit Risk department, which reports to the Bancorp s Chief Risk Officer, are responsible for determining the valuation methodology for residential mortgage loans held for investment. The Secondary Marketing department reviews loss severity assumptions quarterly to determine if adjustments are necessary based on decreases in observable housing market data. This group also reviews trades in comparable benchmark securities and adjusts the values of loans as necessary. Consumer Credit Risk is responsible for the credit component of the fair value which is based on internally developed loss rate models that take into account historical loss rates and loss severities based on underlying collateral values.

## Commercial loans held for sale

For commercial loans held for sale for which the fair value election has been made, fair value is estimated based upon quoted prices of identical or similar assets in an active market, which are reviewed and approved by the Market Risk department, which reports to the Bancorp s Chief Risk Officer. These loans are generally valued using a market approach based on observable prices and are classified within Level 2 of the valuation hierarchy.

## MSRs

MSRs do not trade in an active, open market with readily observable prices. While sales of MSRs do occur, the precise terms and conditions typically are not readily available. Accordingly, the Bancorp estimates the fair value of MSRs using internal OAS models with certain unobservable inputs, primarily prepayment speed assumptions, OAS and weighted-average lives, resulting in a classification within Level 3 of the valuation hierarchy. Refer to Note 11 for further information on the assumptions used in the valuation of the Bancorp s MSRs. The Secondary Marketing department and Treasury department are responsible for determining the valuation methodology for MSRs. Representatives from Secondary Marketing, Treasury, Accounting and Risk Management are responsible for reviewing key assumptions used in the internal OAS model. Two external valuations of the MSR portfolio are obtained from third parties quarterly that use valuation models in order to assess the reasonableness of the internal OAS model. Additionally, the Bancorp participates in peer surveys that provide additional confirmation of the reasonableness of key assumptions utilized in the MSR valuation process and the resulting MSR prices.

## Derivatives

Exchange-traded derivatives valued using quoted prices and certain over-the-counter derivatives valued using active bids are classified within Level 1 of the valuation hierarchy. Most of the Bancorp s derivative contracts are valued using DCF or other models that incorporate current market interest rates, credit spreads assigned to the derivative counterparties and other market parameters and, therefore, are classified within Level 2 of the valuation hierarchy. Such derivatives include basic and structured interest rate, foreign exchange and commodity swaps and options. Derivatives that are valued based upon models with significant unobservable market parameters are classified within Level 3 of the valuation hierarchy. At September 30, 2018 and December 31, 2017, derivatives classified as Level 3, which are valued using models containing unobservable inputs, consisted primarily of a total return swap associated with the Bancorp s sale of Visa, Inc. Class B Shares. Level 3 derivatives also include IRLCs, which utilize internally generated loan closing rate assumptions as a significant unobservable input in the valuation process.

Under the terms of the total return swap, the Bancorp will make or receive payments based on subsequent changes in the conversion rate of the Visa, Inc. Class B Shares into Class A Shares. Additionally, the Bancorp will make a quarterly payment based on Visa s stock price and the conversion rate of the Visa, Inc. Class B Shares into Class A Shares until the date on which the Covered Litigation is settled. The fair value of the total return swap was calculated using a DCF model based on unobservable inputs consisting of management $s$ estimate of the probability of certain litigation scenarios, the timing of the resolution of the Covered Litigation and Visa litigation loss estimates in excess, or shortfall, of the Bancorp s proportional share of escrow funds.

An increase in the loss estimate or a delay in the resolution of the Covered Litigation would result in an increase in the fair value of the derivative liability; conversely, a decrease in the loss estimate or an acceleration of the resolution of the Covered Litigation would result in a decrease in the fair value of the derivative liability. The Accounting and Treasury departments, both of which report to the Bancorp s Chief Financial Officer, determined the valuation methodology for the total return swap. Accounting and Treasury review the changes in fair value on a quarterly basis for reasonableness based on Visa stock price changes, litigation contingencies and escrow funding.

The net asset fair value of the IRLCs at September 30, 2018 was $\$ 7$ million. Immediate decreases in current interest rates of 25 bps and 50 bps would result in increases in the fair value of the IRLCs of approximately $\$ 3$ million and $\$ 5$ million, respectively. Immediate increases of current interest rates of 25 bps and 50 bps would result in decreases in the fair value of the IRLCs of approximately $\$ 3$ million and $\$ 7$ million, respectively. The decrease in fair value of IRLCs due to both immediate $10 \%$ and $20 \%$ adverse changes in the assumed loan closing rates would be approximately $\$ 1$ million and the increase in fair value due to both immediate $10 \%$ and $20 \%$ favorable changes in the assumed loan closing rates would be approximately $\$ 1$ million. These sensitivities are hypothetical and should be used with caution, as changes in fair value based on a variation in assumptions typically cannot be extrapolated because the relationship of the change in assumptions to the change in fair value may not be linear.

The Consumer Line of Business Finance department, which reports to the Bancorp s Chief Financial Officer, and the aforementioned Secondary Marketing department are responsible for determining the valuation methodology for IRLCs. Secondary Marketing, in conjunction with a third party valuation provider, periodically review loan closing rate assumptions and recent loan sales to determine if adjustments are needed for current market conditions not reflected in historical data.

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## Short positions

Where quoted prices are available in an active market, short positions are classified within Level 1 of the valuation hierarchy. If quoted market prices are not available, then fair values are estimated using pricing models, quoted prices of securities with similar characteristics or DCFs and therefore are classified within Level 2 of the valuation hierarchy.

The following tables are a reconciliation of assets and liabilities measured at fair value on a recurring basis using significant unobservable inputs (Level 3):

Fair Value Measurements Using Significant Unobservable Inputs (Le Interest

| Residential | Rate |  |
| :--- | :---: | :---: |
| Mortgage | DerivativesEquity | Total |


| For the three months ended September 30, 2018 (\$ in millions) |  | Loans | MSRs | Net $^{(a)}$ Derivative | (164) | $\mathbf{9 6 1}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Balance, beginning of period |  |  |  |  |  |  |

Total (losses) gains (realized/unrealized):

| Included in earnings | (1) | (8) | $\mathbf{1 8}$ | $\mathbf{( 1 7 )}$ | $\mathbf{( 8 )}$ |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Purchases/originations | - | $\mathbf{5 9}$ | $\mathbf{( 1 )}$ | - | $\mathbf{5 8}$ |
| Settlements | $\mathbf{( 4 )}$ | - | $(\mathbf{2 2})$ | $\mathbf{3 7}$ | $\mathbf{1 1}$ |
| Transfers into Level 3 $3^{(b)}$ | $\mathbf{1 5}$ | - | - | - | $\mathbf{1 5}$ |
| Balance, end of period | $\$$ | $\mathbf{1 7 2}$ | $\mathbf{1 , 0 1 0}$ | $\mathbf{( 1 )}$ | $\mathbf{( 1 4 4 )}$ |

The amount of total (losses) gains for the period included in earnings attributable to the change in unrealized gains or losses relating to instruments still held at September 30, 2018 (c) $\quad \$ \quad$ (1) $\quad$ (8) $\quad 7 \quad$ (17)
(a) Net interest rate derivatives include derivative assets and liabilities of $\$ 7$ and $\$ 8$, respectively, as of September 30, 2018.
(b) Includes certain residential mortgage loans originated as held for sale that were transferred to held for investment.
(c) Includes interest income and expense.

For the three months ended September 30, 2017 (\$ in millions)

| Fair Value Measurements Using Significant Unobservable Inputs (Level 3) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Residential | MSRs | Interest | Equity | Total |
| Rate |  |  |  |  |
| Mortgage |  |  | Derivatives | Fair Value |


|  | Loans |  |  |  |  |  |  | $\operatorname{Net}^{(a)}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Balance, beginning of period | $\$$ | 142 | 849 |  | 9 | $(98)$ |  |  |
| Total (losses) gains (realized/unrealized): |  |  |  |  |  | 902 |  |  |
| Included in earnings | - | $(34)$ | 28 | $(47)$ | $(53)$ |  |  |  |
| Purchases/originations |  | - | 33 | $(1)$ | - | 32 |  |  |
| Settlements | $(6)$ | - | $(28)$ | 9 | $(25)$ |  |  |  |
| Transfers into Level 3 ${ }^{(b)}$ | 4 | - | - | - | 4 |  |  |  |
| Balance, end of period | $\$$ | 140 | 848 | 8 | $(136)$ | 860 |  |  |

The amount of total (losses) gains for the period included in earnings attributable to the change in unrealized gains or losses relating to instruments still held at September 30, 2017 ${ }^{(c)}$ \$ \$
(34)

13
(47)
(a) Net interest rate derivatives include derivative assets and liabilities of $\$ 13$ and $\$ 5$, respectively, as of September 30, 2017.
(b) Includes certain residential mortgage loans held for sale that were transferred to held for investment.
(c) Includes interest income and expense.

Fair Value Measurements Using Significant Unobservable Inputs (Le Interest
Residential Rate
Mortgage Derivatives,Equity Total

| For the nine months ended September 30, 2018 (\$ in millions) | Loans |  | MSRs | Net ${ }^{(a)}$ DerivativeFair Value |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Balance, beginning of period | \$ | 137 | 858 | 3 | (137) | 861 |
| Total (losses) gains (realized/unrealized): |  |  |  |  |  |  |
| Included in earnings |  | (5) | 8 | 54 | (66) | (9) |
| Purchases/originations |  | - | 144 | (5) | - | 139 |
| Settlements |  | (12) | - | (53) | 59 | (6) |
| Transfers into Level $3^{(b)}$ |  | 52 | - | - | - | 52 |
| Balance, end of period | \$ | 172 | 1,010 | (1) | (144) | 1,037 |

The amount of total (losses) gains for the period included in earnings attributable to the change in unrealized gains or losses relating to assets still held at September 30, 2018 ${ }^{(c)} \quad \$ \quad$ (5) $\quad 8 \quad 9 \quad$ (66)
(a) Net interest rate derivatives include derivative assets and liabilities of $\$ 7$ and $\$ 8$, respectively, as of September 30, 2018.
(b) Includes certain residential mortgage loans held for sale that were transferred to held for investment.
(c) Includes interest income and expense.

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## Notes to Condensed Consolidated Financial Statements (unaudited)

For the nine months ended September 30,

| 2017 (\$ in millions) | Loans | MSRs | $\operatorname{Net}^{(a)}$ | Derivatives | Fair Value |  |
| :--- | ---: | ---: | ---: | ---: | ---: | :---: |
| Balance, beginning of period | $\$$ | 143 | 744 | 8 | $(91)$ | 804 |
| Total (losses) gains (realized/unrealized): |  |  |  |  |  |  |
| Included in earnings | 2 | $(104)$ | 77 | $(69)$ | $(94)$ |  |
| Purchases/originations |  | - | 208 | $(2)$ | - | 206 |
| Settlements | $(16)$ | - | $(75)$ | 24 | $(67)$ |  |
| Transfers into Level 3 ${ }^{(b)}$ | 11 | - | - | - | 11 |  |
| Balance, end of period | $\$$ | 140 | 848 | 8 | $(136)$ | 860 |

The amount of total (losses) gains for the period included in earnings attributable to the change in unrealized gains or losses relating to assets still held at September 30, 2017(c)

Fair Value Measurements Using Significant Unobservable Inputs (Level 3)
Residential Interest Rate
Mortgage $\quad$ Derivatives, Equity Total
(a) Net interest rate derivatives include derivative assets and liabilities of $\$ 13$ and $\$ 5$, respectively, as of September 30, 2017.
(b) Includes certain residential mortgage loans originated as held for sale that were transferred to held for investment.
(c) Includes interest income and expense.

The total losses included in earnings for assets and liabilities measured at fair value on a recurring basis using significant unobservable inputs (Level 3) were recorded in the Condensed Consolidated Statements of Income as follows:

|  |  | September 30, |  | September 30, |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
| (\$ in millions) |  | $\mathbf{2 0 1 8}$ | 2017 | $\mathbf{2 0 1 8}$ | 2017 |
| Mortgage banking net revenue | $\$$ | $\mathbf{9}$ | $(6)$ | $\mathbf{5 6}$ | $(27)$ |
| Corporate banking revenue |  | - | - | $\mathbf{1}$ | 2 |
| Other noninterest income | $\mathbf{~}$ | $\mathbf{( 1 7 )}$ | $(47)$ | $\mathbf{( 6 6 )}$ | $(69)$ |
| Total losses | $\mathbf{( 8 )}$ | $(53)$ | $\mathbf{( 9 )}$ | $(94)$ |  |

The total losses included in earnings attributable to changes in unrealized gains and losses related to Level 3 assets and liabilities still held at September 30, 2018 and 2017 were recorded in the Condensed Consolidated Statements of Income as follows:

For the three months ended For the nine months ended
September 30,
20182017
(21)

| $(2)$ | $(21)$ |
| :--- | :--- |
| - | - |

(17)
(19)
\$
Total losses related to the Bancorp s material categories of Level 3 financial assets and liabilities measured at fair value on a recurring basis:

## As of September 30, 2018 (\$ in millions)

| Financial Instrument | Fair Value | Valuation Technique | Significant Unobservable Inputs | Ranges of Inputs | Weighted-Average |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Residential mortgage loans | \$ 172 | Loss rate model | Interest rate risk factor | (12.7) - 11.0\% | -0.6\% |
|  |  |  | Credit risk factor | 0-40.3\% | 0.7\% |
| MSRs | 1,010 | DCF | Prepayment speed | 0.5-97.0\% | $\begin{array}{r} \text { (Fixed) } 9.1 \% \\ \text { (Adjustable) } 23.2 \% \end{array}$ |
|  |  |  |  |  | (Fixed) 533 |
|  |  |  | OAS spread (bps) | 449-1,513 | (Adjustable) 842 |
| IRLCs, net | 7 | DCF | Loan closing rates | 6.2-96.7\% | 76.6\% |
| S w a p associated with the sale of Visa, Inc. | (144) | DCF | Timing of the resolution | 1/31/2021 - | 9/6/2021 |
| Class B Shares |  |  | of the Covered Litigation | 11/30/2023 |  |

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Notes to Condensed Consolidated Financial Statements (unaudited)

As of September 30, 2017 (\$ in millions)

| Financial <br> Instrument <br> Residential <br> mortgage <br> loans | Fair Value Valuation Technique |  | Significant Unobservable <br> Inputs | Ranges of <br> Inputs | Weighted-Average |
| :--- | :---: | :---: | :--- | :---: | ---: | :--- |

(Fixed) 502

|  |  |  | OAS spread (bps) | 430-1,515 | (Adjustable) 784 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| IRLCs, net | 13 | DCF | Loan closing rates | 3.3-96.5\% | 72.8\% |
| S w a p associated with the sale of |  |  |  |  |  |
| Visa, Inc. Class B | (136) | DCF | Timing of the resolution | 12/31/2020- | 8/15/2021 |
| Shares |  |  | of the Covered Litigation | 12/31/2023 |  |

Assets and Liabilities Measured at Fair Value on a Nonrecurring Basis
Certain assets and liabilities are measured at fair value on a nonrecurring basis. These assets and liabilities are not measured at fair value on an ongoing basis; however, they are subject to fair value adjustments in certain circumstances, such as when there is evidence of impairment.

The following tables provide the fair value hierarchy and carrying amount of all assets that were held as of September 30, 2018 and 2017 and for which a nonrecurring fair value adjustment was recorded during the three and nine months ended September 30, 2018 and 2017, and the related gains and losses from fair value adjustments on assets sold during the period as well as assets still held as of the end of the period:

|  | ended September 30, 2018 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Commercial loans held for sale | \$ | - | - | 3 | 3 | (1) | (2) |
| Commercial and industrial loans |  | - | - | 156 | 156 | (16) | (46) |
| Commercial mortgage loans |  | - | - | 2 | 2 | - | 6 |
| Commercial leases |  | - | - | 14 | 14 | 1 | (9) |
| OREO |  | - | - | 21 | 21 | (2) | (6) |
| Bank premises and equipment |  | - | - | 36 | 36 | - | (41) |
| Operating lease equipment |  | - | - | 10 | 10 | (1) | (4) |
| Private equity investments |  | - | 69 | 3 | 72 | 14 | 44 |
| Total | \$ | - | 69 | 245 | 314 | (5) | (58) |

> Fair Value Measurements Using Total Losses Total Losses
> For the three montlos the nine months

| As of September 30, 2017 (\$ in millions) | Level ILevel 2 Level 3 |  |  |  | Tctaded Septembereßleadeseptember 30, 2017 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Commercial loans held for sale | \$ | - | - | 8 | 8 | (1) | (33) |
| Commercial and industrial loans |  | - | - | 354 | 354 | (10) | (68) |
| Commercial mortgage loans |  | - | - | 20 | 20 | (1) | (12) |
| Commercial leases |  | - | - | 1 | 1 | - | (2) |
| OREO |  | - | - | 20 | 20 | (3) | (8) |
| Bank premises and equipment |  | - | - | 25 | 25 | (1) | (6) |
| Operating lease equipment |  | - | - | 56 | 56 | - | (20) |
| Total | \$ | - | - | 484 | 484 | (16) | (149) |

The following tables present information as of September 30, 2018 and 2017 about significant unobservable inputs related to the Bancorp s material categories of Level 3 financial assets and liabilities measured on a nonrecurring basis:

## As of September 30, 2018 (\$ in millions)

Financial Instrument Fair Value Valuation Technique Significant Unobservable Inputs Input $\$$ Weighted-Average Commercial loans held for


Operating leare equipment Private equity investments

| - | Liquidity discount applied <br> to fund $s$ net asset value | Liquidity discount | $\mathbf{0 - 4 3 . 0 \%}$ | $\mathbf{1 2 . 9 \%}$ |
| ---: | :--- | :--- | ---: | ---: | ---: |
| $\mathbf{3}$ | Comparable company analysis | Market comparable transactions | NM | NM |

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## Fifth Third Bancorp and Subsidiaries

Notes to Condensed Consolidated Financial Statements (unaudited)

As of September 30, 2017 (\$ in millions)

| $\begin{array}{l}\text { Financial } \\ \text { Instrument }\end{array}$ | Fair Value |  | Ranges of |  |
| :--- | :---: | :--- | :--- | :--- | ---: |
| $\begin{array}{l}\text { Commercial loans } \\ \text { held for sale }\end{array}$ | $\$$ | 8 | Appraised value | Appraised value |
| Costs to sell |  |  |  |  |$)$

## Commercial loans held for sale

During the three and nine months ended September 30, 2018, the Bancorp transferred zero and $\$ 1$ million, respectively, of commercial loans from the portfolio to loans held for sale that upon transfer were measured at lower of cost or fair value. During the three and nine months ended September 30, 2017, the Bancorp transferred $\$ 9$ million and $\$ 84$ million, respectively, of commercial loans from the portfolio to loans held for sale that upon transfer were measured at lower of cost or fair value. These loans had fair value adjustments of zero and an immaterial amount during the three and nine months ended September 30,2018 , respectively, and had $\$ 1$ million and $\$ 31$ million of fair value adjustments during the three and nine months ended September 30, 2017, respectively. These fair value adjustments were generally based on appraisals of the underlying collateral and were, therefore, classified within Level 3 of the valuation hierarchy. Additionally, fair value adjustments on existing loans held for sale were $\$ 1$ million and $\$ 2$ million for the three and nine months ended September 30, 2018, respectively, and immaterial for both the three and nine months ended September 30, 2017. The fair value adjustments were also based on appraisals of the underlying collateral. The Bancorp recognized an immaterial amount of gains on the sale of commercial loans held for sale during both the three and nine months ended September 30, 2018. The Bancorp did not recognize any gains or losses on the sale of commercial loans held for sale during the three months ended September 30, 2017 and recognized $\$ 2$ million in losses on the sale of commercial loans held for sale for the nine months ended September 30, 2017.

The Accounting department determines the procedures for the valuation of commercial loans held for sale using appraised value which may include a comparison to recently executed transactions of similar type loans. A monthly review of the portfolio is performed for reasonableness. Quarterly, appraisals approaching a year old are updated and the Real Estate Valuation group, which reports to the Bancorp s Chief Risk Officer, in conjunction with the

Commercial Line of Business, reviews the third party appraisals for reasonableness. Additionally, the Commercial Line of Business Finance department, which reports to the Bancorp s Chief Financial Officer, in conjunction with the Accounting department, reviews all loan appraisal values, carry values and vintages.

## Commercial loans held for investment

During the three and nine months ended September 30, 2018 and 2017, the Bancorp recorded nonrecurring impairment adjustments to certain commercial and industrial loans, commercial mortgage loans and commercial leases held for investment. Larger commercial loans included within aggregate borrower relationship balances exceeding $\$ 1$ million that exhibit probable or observed credit weaknesses are subject to individual review for impairment. The Bancorp considers the current value of collateral, credit quality of any guarantees, the guarantor s liquidity and willingness to cooperate, the loan structure and other factors when evaluating whether an individual loan is impaired. When the loan is collateral dependent, the fair value of the loan is generally based on the fair value of the underlying collateral supporting the loan and therefore these loans were classified within Level 3 of the valuation hierarchy. In cases where the carrying value exceeds the fair value, an impairment loss is recognized. The fair values and recognized impairment losses are reflected in the previous tables. Commercial Credit Risk, which reports to the Bancorp s Chief Risk Officer, is responsible for preparing and reviewing the fair value estimates for commercial loans held for investment.

## OREO

During the three and nine months ended September 30, 2018 and 2017, the Bancorp recorded nonrecurring adjustments to certain commercial and residential real estate properties classified as OREO and measured at the lower of carrying amount or fair value. These nonrecurring losses were primarily due to declines in real estate values of the properties recorded in OREO. These losses included $\$ 1$ million and $\$ 3$ million in losses, recorded as charge-offs on new OREO properties transferred from loans during the three and nine months ended September 30, 2018, respectively, and an immaterial amount and $\$ 3$ million for the three and nine months ended September 30, 2017, respectively. These losses also included $\$ 1$ million and $\$ 3$ million in losses for the three and nine months ended September 30, 2018, respectively, and $\$ 3$ million and $\$ 5$ million in losses for the three and nine months ended September 30, 2017, respectively, recorded as negative fair value adjustments on OREO in other noninterest expense in the Condensed Consolidated Statements of Income subsequent to their transfer from loans. As discussed in the following paragraphs, the fair value amounts are generally based on appraisals of the property values, resulting in a classification within Level 3 of the valuation hierarchy. In cases where the carrying amount exceeds the fair value, less costs to sell, an impairment loss is recognized. The previous tables reflect the fair value measurements of the properties before deducting the estimated costs to sell.

The Real Estate Valuation department is solely responsible for managing the appraisal process and evaluating the appraisal for commercial properties transferred to OREO. All appraisals on commercial OREO properties are updated on at least an annual basis.

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The Real Estate Valuation department reviews the BPO data and internal market information to determine the initial charge-off on residential real estate loans transferred to OREO. Once the foreclosure process is completed, the Bancorp performs an interior inspection to update the initial fair value of the property. These properties are reviewed at least every 30 days after the initial interior inspections are completed. The Asset Manager receives a monthly status report for each property which includes the number of showings, recently sold properties, current comparable listings and overall market conditions.

## Bank premises and equipment

The Bancorp performs assessments of the recoverability of long-lived assets when events or changes in circumstances indicate that their carrying values may not be recoverable. These properties were written down to their lower of cost or market values. At least annually thereafter, the Bancorp will review these properties for market fluctuations. The fair value amounts were generally based on appraisals of the property values, resulting in a classification within Level 3 of the valuation hierarchy. Corporate Facilities, which reports to the Bancorp s Chief Administrative Officer, in conjunction with Accounting, are responsible for preparing and reviewing the fair value estimates for bank premises and equipment. For further information on bank premises and equipment refer to Note 7.

## Operating lease equipment

During the three and nine months ended September 30, 2018 and 2017, the Bancorp recorded nonrecurring impairment adjustments to certain operating lease equipment. When evaluating whether an individual asset is impaired, the Bancorp considers the current fair value of the asset, the changes in overall market demand for the asset and the rate of change in advancements associated with technological improvements that impact the demand for the specific asset under review. As part of this ongoing assessment, the Bancorp determined that the carrying values of certain operating lease equipment were not recoverable and as a result, the Bancorp recorded an impairment loss equal to the amount by which the carrying value of the assets exceeded the fair value. The fair value amounts were generally based on appraised values of the assets, resulting in a classification within Level 3 of the valuation hierarchy. The Bancorp recorded net losses of $\$ 1$ million and $\$ 4$ million for the three and nine months ended September 30, 2018, respectively. The Bancorp did not record any losses for the three months ended September 30, 2017 and recorded net losses of $\$ 20$ million for the nine months ended September 30, 2017 as a reduction to corporate banking revenue in the Condensed Consolidated Statements of Income. The Commercial Leasing department, which reports to the Bancorp s Chief Operating Officer, is responsible for preparing and reviewing the fair value estimates for operating lease equipment.

## Private equity investments

As a result of adopting ASU 2016-01, effective January 1, 2018, the Bancorp accounts for its private equity investments using the measurement alternative to fair value, except for those accounted for under the equity method of accounting. Under the measurement alternative, the Bancorp carries each investment at its cost basis minus impairment, if any, plus or minus changes resulting from observable price changes in orderly transactions for identical
or similar investments of the same issuer. The Bancorp recognized gains of $\$ 13$ million and $\$ 64$ million resulting from observable price changes during the three and nine months ended September 30, 2018, respectively. The carrying value of the Bancorp s private equity investments still held as of September 30, 2018 includes a cumulative $\$ 48$ million of positive adjustments as a result of observable price changes. Because these adjustments are based on observable transactions in inactive markets, they are classified in Level 2 of the fair value hierarchy.

For private equity investments which are accounted for using the measurement alternative to fair value, the Bancorp qualitatively evaluates each investment quarterly to determine if impairment may exist. If necessary, the Bancorp then measures impairment by estimating the value of its investment and comparing that to the investment s carrying value, whether or not the Bancorp considers the impairment to be temporary. These valuations are typically developed using a discounted cash flow method, but other methods may be used if more appropriate for the circumstances. These valuations are based on unobservable inputs and therefore are classified in Level 3 of the fair value hierarchy. The Bancorp recognized impairments of an immaterial amount and $\$ 11$ million during the three and nine months ended September 30, 2018, respectively. The carrying value of the Bancorp s private equity investments still held as of September 30, 2018 includes a cumulative $\$ 11$ million of impairment charges recognized since adoption of the measurement alternative to fair value on January 1, 2018.

The Bancorp recognized an immaterial amount and $\$ 10$ million of OTTI primarily associated with certain nonconforming investments affected by the Volcker Rule during the three and nine months ended September 30, 2018 , respectively. The Bancorp performed nonrecurring fair value measurements on a fund by fund basis to determine whether OTTI existed. The Bancorp estimated the fair value of the funds by applying an estimated market discount to the reported net asset value of the fund or through a discounted cash flow analysis. Because the length of time until the investment will become redeemable is generally not certain, these funds were classified within Level 3 of the valuation hierarchy. An adverse change in the reported net asset values or estimated market discounts, where applicable, would result in a decrease in the fair value estimate. In cases where the carrying value exceeds the fair value, an impairment loss is recognized. The Bancorp s Private Equity department, which reports to the Head of Payments, Strategy and Digital Solutions, in conjunction with Accounting, is responsible for preparing and reviewing the fair value estimates.

## Fair Value Option

The Bancorp elected to measure certain residential mortgage and commercial loans held for sale under the fair value option as allowed under U.S. GAAP. Electing to measure residential mortgage loans held for sale at fair value reduces certain timing differences and better matches changes in the value of these assets with changes in the value of derivatives used as economic hedges for these assets. Electing to measure certain commercial loans held for sale at fair value reduces certain timing differences and better reflects changes in fair value of these assets that are expected to be sold in the short term. Management $s$ intent to sell residential mortgage or commercial loans classified as held for sale may change over time due to such factors as changes in the overall liquidity in markets or changes in characteristics specific to certain loans held for sale. Consequently, these loans may be reclassified to loans held for investment and maintained in the Bancorp s loan portfolio. In such cases, the loans will continue to be measured at fair value.

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Fair value changes recognized in earnings for residential mortgage loans held at September 30, 2018 and 2017 for which the fair value option was elected, as well as the changes in fair value of the underlying IRLCs, included gains of $\$ 12$ million and $\$ 27$ million for the nine months ended September 30, 2018 and 2017, respectively. These gains are reported in mortgage banking net revenue in the Condensed Consolidated Statements of Income. Fair value changes recognized in earnings for commercial loans held at September 30, 2018 and 2017 for which the fair value option was elected included gains of an immaterial amount for both the nine months ended September 30, 2018 and 2017. These gains are reported in corporate banking revenue in the Condensed Consolidated Statements of Income.

Valuation adjustments related to instrument-specific credit risk for residential mortgage loans measured at fair value negatively impacted the fair value of those loans by $\$ 1$ million and $\$ 2$ million at September 30, 2018 and December 31, 2017, respectively. Valuation adjustments related to instrument-specific credit risk for commercial loans measured at fair value had an immaterial impact on the fair value of those loans at September 30, 2018. The Bancorp did not hold any commercial loans held for sale at December 31, 2017. Interest on loans measured at fair value is accrued as it is earned using the effective interest method and is reported as interest income in the Condensed Consolidated Statements of Income.

The following table summarizes the difference between the fair value and the unpaid principal balance for residential mortgage and commercial loans measured at fair value as of:

| September 30, 2018 (\$ in millions) |  | Aggregate Fair Value | Aggregate Unpaid Principal Balance | Difference |
| :---: | :---: | :---: | :---: | :---: |
| Residential mortgage loans measured at fair value | \$ | 735 | 723 | 12 |
| Past due loans of 90 days or more |  | 4 | 4 | - |
| Nonaccrual loans |  | 1 | 1 | - |
| Commercial loans measured at fair value |  | 6 | 6 | - |
| December 31, 2017 |  |  |  |  |
| Residential mortgage loans measured at fair value | \$ | 536 | 522 | 14 |
| Past due loans of 90 days or more |  | 5 | 5 | - |
| Nonaccrual loans |  | 1 | 1 |  |

## Fair Value of Certain Financial Instruments

The following tables summarize the carrying amounts and estimated fair values for certain financial instruments, excluding financial instruments measured at fair value on a recurring basis:

| As of September 30, 2018 (\$ in millions) |  | Amount | Level 1 | Level 2 | Level 3 | Fair Value |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Financial assets: |  |  |  |  |  |  |
| Cash and due from banks | \$ | 2,100 | 2,100 | - | - | 2,100 |
| Other short-term investments |  | 1,429 | 1,429 | - | - | 1,429 |
| Other securities |  | 551 | - | 551 | - | 551 |
| Held-to-maturity securities |  | 18 | - | - | 18 | 18 |
| Loans and leases held for sale |  | 94 | - | - | 94 | 94 |
| Portfolio loans and leases: |  |  |  |  |  |  |
| Commercial and industrial loans |  | 42,098 | - | - | 43,066 | 43,066 |
| Commercial mortgage loans |  | 6,622 | - | - | 6,556 | 6,556 |
| Commercial construction loans |  | 4,863 | - | - | 4,920 | 4,920 |
| Commercial leases |  | 3,676 | - | - | 3,266 | 3,266 |
| Residential mortgage loans |  | 15,330 | - | - | 15,544 | 15,544 |
| Home equity |  | 6,448 | - | - | 6,816 | 6,816 |
| Automobile loans |  | 8,963 | - | - | 8,687 | 8,687 |
| Credit card |  | 2,189 | - | - | 2,599 | 2,599 |
| Other consumer loans |  | 2,100 |  | - | 2,205 | 2,205 |
| Unallocated ALLL |  | (109) | - | - | - | - |
| Total portfolio loans and leases, net | \$ | 92,180 | - | - | 93,659 | 93,659 |
| Financial liabilities: |  |  |  |  |  |  |
| Deposits | \$ | 104,342 | - | 104,279 | - | 104,279 |
| Federal funds purchased |  | 2,316 | 2,316 | - | - | 2,316 |
| Other short-term borrowings |  | 1,114 | - | 1,114 | - | 1,114 |
| Long-term debt |  | 14,460 | 14,200 | 432 | - | 14,632 |

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Fifth Third Bancorp and Subsidiaries

Notes to Condensed Consolidated Financial Statements (unaudited)

| As of December 31, 2017 (\$ in millions) | Net Carrying Amount |  | Fair Value Measurements Using |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Level 1 | Level 2 | Level 3 | Fair Value |
| Financial assets: |  |  |  |  |  |  |
| Cash and due from banks | \$ | 2,514 | 2,514 | - | - | 2,514 |
| Other short-term investments |  | 2,753 | 2,753 | - | - | 2,753 |
| Other securities |  | 612 | - | 612 |  | 612 |
| Held-to-maturity securities |  | 24 | - | - | 24 | 24 |
| Loans and leases held for sale |  | 93 | - | - | 93 | 93 |
| Portfolio loans and leases: |  |  |  |  |  |  |
| Commercial and industrial loans |  | 40,519 | - | - | 41,718 | 41,718 |
| Commercial mortgage loans |  | 6,539 | - | - | 6,490 | 6,490 |
| Commercial construction loans |  | 4,530 | - | - | 4,560 | 4,560 |
| Commercial leases |  | 4,054 | - | - | 3,705 | 3,705 |
| Residential mortgage loans |  | 15,365 | - | - | 15,996 | 15,996 |
| Home equity |  | 6,968 | - | - | 7,410 | 7,410 |
| Automobile loans |  | 9,074 | - | - | 8,832 | 8,832 |
| Credit card |  | 2,182 | - | - | 2,616 | 2,616 |
| Other consumer loans |  | 1,526 | - | - | 1,621 | 1,621 |
| Unallocated ALLL |  | (120) | - | - | - |  |
| Total portfolio loans and leases, net | \$ | 90,637 | - | - | 92,948 | 92,948 |
| Financial liabilities: |  |  |  |  |  |  |
| Deposits | \$ | 103,162 | - | 103,123 | - | 103,123 |
| Federal funds purchased |  | 174 | 174 | - | - | 174 |
| Other short-term borrowings |  | 4,012 | - | 4,012 | - | 4,012 |
| Long-term debt |  | 14,904 | 15,045 | 529 | - | 15,574 |

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## Fifth Third Bancorp and Subsidiaries

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## 23. Business Segments

The Bancorp reports on four business segments: Commercial Banking, Branch Banking, Consumer Lending and Wealth and Asset Management. Results of the Bancorp s business segments are presented based on its management structure and management accounting practices. The structure and accounting practices are specific to the Bancorp; therefore, the financial results of the Bancorp s business segments are not necessarily comparable with similar information for other financial institutions. The Bancorp refines its methodologies from time to time as management s accounting practices and businesses change.

The Bancorp manages interest rate risk centrally at the corporate level. By employing an FTP methodology, the business segments are insulated from most benchmark interest rate volatility, enabling them to focus on serving customers through the origination of loans and acceptance of deposits. The FTP methodology assigns charge rates and credit rates to classes of assets and liabilities, respectively, based on the estimated amount and timing of the cash flows for each transaction. Assigning the FTP rate based on matching the duration of cash flows allocates interest income and interest expense to each business segment so its resulting net interest income is insulated from future changes in benchmark interest rates. The Bancorp s FTP methodology also allocates the contribution to net interest income of the asset-generating and deposit-providing businesses on a duration-adjusted basis to better attribute the driver of the performance. As the asset and liability durations are not perfectly matched, the residual impact of the FTP methodology is captured in General Corporate and Other. The charge and credit rates are determined using the FTP rate curve, which is based on an estimate of Fifth Third s marginal borrowing cost in the wholesale funding markets. The FTP curve is constructed using the U.S. swap curve, brokered CD pricing and unsecured debt pricing.

The Bancorp adjusts the FTP charge and credit rates as dictated by changes in interest rates for various interest-earning assets and interest-bearing liabilities and by the review of behavioral assumptions, such as prepayment rates on interest-earning assets and the estimated durations for indeterminate-lived deposits. Key assumptions, including the credit rates provided for deposit accounts, are reviewed annually. Credit rates for deposit products and charge rates for loan products may be reset more frequently in response to changes in market conditions. The credit rates for several deposit products were reset January 1, 2018 to reflect the current market rates and updated market assumptions. These rates were generally higher than those in place during 2017, thus net interest income for deposit-providing business segments was positively impacted during 2018. FTP charge rates on assets were affected by the prevailing level of interest rates and by the duration and repricing characteristics of the portfolio. As overall market rates increased, the FTP charge increased for asset-generating business segments during 2018.

The Bancorp s methodology for allocating provision for loan and lease losses expense to the business segments includes charges or benefits associated with changes in criticized commercial loan levels in addition to actual net charge-offs experienced by the loans and leases owned by each business segment. Provision for loan and lease losses expense attributable to loan and lease growth and changes in ALLL factors is captured in General Corporate and Other. The financial results of the business segments include allocations for shared services and headquarters expenses. Additionally, the business segments form synergies by taking advantage of cross-sell opportunities and funding operations by accessing the capital markets as a collective unit.

The results of operations and financial position for the three and nine months ended September 30, 2017 were adjusted to reflect changes in internal expense allocation methodologies.

The following is a description of each of the Bancorp s business segments and the products and services they provide to their respective client bases.

Commercial Banking offers credit intermediation, cash management and financial services to large and middle-market businesses and government and professional customers. In addition to the traditional lending and depository offerings, Commercial Banking products and services include global cash management, foreign exchange and international trade finance, derivatives and capital markets services, asset-based lending, real estate finance, public finance, commercial leasing and syndicated finance.

Branch Banking provides a full range of deposit and loan and lease products to individuals and small businesses through 1,152 full-service banking centers. Branch Banking offers depository and loan products, such as checking and savings accounts, home equity loans and lines of credit, credit cards and loans for automobiles and other personal financing needs, as well as products designed to meet the specific needs of small businesses, including cash management services.

Consumer Lending includes the Bancorp s residential mortgage, home equity, automobile and other indirect lending activities. Direct lending activities include the origination, retention and servicing of residential mortgage and home equity loans or lines of credit, sales and securitizations of those loans, pools of loans or lines of credit and all associated hedging activities. Indirect lending activities include extending loans to consumers through correspondent lenders and automobile dealers.

Wealth and Asset Management provides a full range of investment alternatives for individuals, companies and not-for-profit organizations. Wealth and Asset Management is made up of five main businesses: FTS, an indirect wholly-owned subsidiary of the Bancorp; ClearArc Capital, Inc., an indirect wholly-owned subsidiary of the Bancorp; Fifth Third Insurance Agency, Inc., an indirect wholly-owned subsidiary of the Bancorp; Fifth Third Private Bank; and Fifth Third Institutional Services. FTS offers full service retail brokerage services to individual clients and broker-dealer services to the institutional marketplace. ClearArc Capital, Inc. provides asset management services. Fifth Third Insurance Agency, Inc. assists clients with their financial and risk management needs. Fifth Third Private Bank offers holistic strategies to affluent clients in wealth planning, investing, insurance and wealth protection. Fifth Third Institutional Services provides advisory services for institutional clients including states and municipalities.

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Notes to Condensed Consolidated Financial Statements (unaudited)

The following tables present the results of operations and assets by business segment for the three months ended:

|  |  |  |  | Wealth | General |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Commercial | Branch | Consumer | and <br> Asset | Corporate |  |  |
| September 30, 2018 (\$ in millions) | Banking | Banking | Lending | Management | and <br> Other | Eliminations | Total |
| Net interest income \$ | 427 | 525 | 60 | 46 | (15) | - | 1,043 |
| Provision for (benefit from) loan and lease losses | (11) | 34 | 10 | 3 | 50 | - | 86 |
| Net interest income after provision for loan and lease losses | 438 | 491 | 50 | 43 | (65) | - | 957 |
| Noninterest income: |  |  |  |  |  |  |  |
| Service charges on deposits | 68 | 71 | - | - | - | - | 139 |
| Wealth and asset management revenue | 1 | 38 | - | 110 | - | $(35)^{(a)}$ | 114 |
| Corporate banking revenue | 100 | 1 | - | - | (1) | - | 100 |
| Card and processing revenue | 14 | 67 | - | 1 | - | - | 82 |
| Mortgage banking net revenue | - | 1 | 48 | - | - | - | 49 |
| Other noninterest income | 52 | 26 | 3 | 4 | 1 | - | 86 |
| Securities losses, net | - | - | - | - | (6) | - | (6) |
| Securities losses, net -non-qualifying hedges on MSRs | - | - | (1) | - | - | - | (1) |
| Total noninterest income | 235 | 204 | 50 | 115 | (6) | (35) | 563 |
| Noninterest expense: |  |  |  |  |  |  |  |
| Salaries, wages and incentives | 71 | 109 | 38 | 44 | 159 | - | 421 |
| Employee benefits | 8 | 22 | 8 | 6 | 38 | - | 82 |
| Net occupancy expense | 6 | 44 | 3 | 3 | 14 | - | 70 |
| Technology and communications | 2 | 1 | 2 | - | 66 | - | 71 |
| Equipment expense | 6 | 12 | - | - | 13 | - | 31 |
|  | 2 | 30 | - | - | (1) | - | 31 |

Card and processing expense

| Other noninterest expense |  | 250 | 215 | 49 | 73 | (250) | (35) | 302 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total noninterest expense |  | 345 | 433 | 100 | 126 | 39 | (35) | 1,008 |
| Income (loss) before income taxes |  | 328 | 262 | - | 32 | (110) | - | 512 |
| Applicable income tax expense (benefit) |  | 30 | 55 | - | 7 | (13) | - | 79 |
| Net income (loss) |  | 298 | 207 | - | 25 | (97) | - | 433 |
| Total goodwill | \$ | 630 | 1,655 | - | 177 | - | - | 2,462 |
| Total assets | \$ | 60,135 | 60,222 | 22,188 | 9,171 | $(10,031)^{(b)}$ | - | 141,685 |

(a) Revenue sharing agreements between wealth and asset management and branch banking are eliminated in the Condensed Consolidated Statements of Income.
(b) Includes bank premises and equipment of $\$ 38$ classified as held for sale. For more information refer to Note 7.


Provision for (benefit from)
loan and lease losses
Net interest income after
provision for loan and lease

| losses | 425 | 418 | 51 | 39 | $(30)$ | - |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 903 |  |  |  |  |  |  |

Noninterest income:

| Service charges on deposits | 71 | 67 | - | - | - | - |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |


| W e alth a nd a s s e t |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| management revenue | 1 | 35 | - | 99 | $(1)$ | $(32)^{(a)}$ | 102 |
| Corporate banking revenue | 100 | 1 | - | - | - | - | 101 |
| Card and processing revenue | 14 | 64 | - | 1 | - | - | 79 |
| Mortgage banking net <br> revenue | - | 2 | 61 | - | - | - | 63 |
| Other noninterest income ${ }^{(b)}$ | 30 | 22 | 5 | 1 | 1,018 | - | 1,076 |
| Securities gains, net <br> non-qualifying hedges on <br> MSRs |  |  |  |  |  |  |  |
| Total noninterest income | 216 | 191 | 68 | 101 | 1,017 | $(32)$ | 1,561 |

Noninterest expense:

| incentives | 64 | 104 | 38 | 37 | 164 | - | 407 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Employee benefits | 7 | 22 | 8 | 5 | 35 |  | 77 |
| Net occupancy expense | 6 | 43 | 3 | 3 | 19 | - | 74 |
| Technology and communications | 2 | 1 | - | - | 59 | - | 62 |
| Equipment expense | 5 | 13 | - | - | 12 | - | 30 |
| Card and processing expense | 1 | 31 | - | - | - | - | 32 |
| Other noninterest expense | 256 | 205 | 52 | 66 | (254) | (32) | 293 |

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| Total noninterest expense |  | 341 | 419 | 101 | 111 | 35 | (32) | 975 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Income before income taxes |  | 300 | 190 | 18 | 29 | 952 |  | 1,489 |
| Applicable income tax expense |  |  |  |  |  |  |  |  |
| Net income |  | 244 | 124 | 12 | 19 | 615 |  | 1,014 |
| Total goodwill | \$ | 613 | 1,655 |  | 155 |  |  | 2,423 |
| Total assets | \$ | 58,752 | 57,246 | 22,447 | 8,821 | $(5,002)^{(c)}$ |  | 142,264 |
| (a) Revenue sharing agreements between wealth and asset management and branch banking are eliminated in the Condensed Consolidated Statements of Income. |  |  |  |  |  |  |  |  |
| (b) Includes impairment charges of $\$ 1$ for branches and land. For more information refer to Note 7 and Note 22. <br> (c) Includes bank premises and equipment of $\$ 36$ classified as held for sale. For more information refer to Note 7 . |  |  |  |  |  |  |  |  |

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Fifth Third Bancorp and Subsidiaries

Notes to Condensed Consolidated Financial Statements (unaudited)

The following tables present the results of operations and assets by business segment for the nine months ended:

| September 30, 2018 (\$ in millions) | Commercial |  Wealth <br> Branch Consumer And <br> Asset  |  |  | General |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Corporate |  |  |
|  | Banking | Banking | Lending | Management | and Other | Eliminations | Total |
| Net interest income \$ | 1,273 | 1,490 | 178 | 134 | (16) | - | 3,059 |
| Provision for (benefit from) loan and lease losses | (41) | 124 | 30 | 8 | 21 | - | 142 |
| Net interest income after provision for loan and lease losses | 1,314 | 1,366 | 148 | 126 | (37) | - | 2,917 |
| Noninterest income: |  |  |  |  |  |  |  |
| Service charges on deposits | 207 | 205 | - | 1 | 1 | - | 414 |
| Wealth and asset management revenue | 3 | 113 | - | 324 | (1) | $(104){ }^{(a)}$ | 335 |
| Corporate banking revenue | 304 ${ }^{(c)}$ | 4 | - | 1 | (1) | - | 308 |
| Card and processing revenue | 42 | 199 | - | 4 | - | - | 245 |
| Mortgage banking net revenue | - | 4 | 153 | 1 | - | - | 158 |
| Other noninterest income ${ }^{(b)}$ | 125 | 33 | 11 | 13 | 612 | - | 794 |
| Securities losses, net | - | - | - | - | (21) | - | (21) |
| Securities losses, net -non-qualifying hedges on MSRs | - | - | (18) | - | - | - | (18) |
| Total noninterest income | 681 | 558 | 146 | 344 | 590 | (104) | 2,215 |
| Noninterest expense: |  |  |  |  |  |  |  |
| Salaries, wages and incentives | 214 | 329 | 120 | 131 | 545 | - | 1,339 |
| Employee benefits | 36 | 75 | 28 | 23 | 108 | - | 270 |
| Net occupancy expense | 20 | 131 | 8 | 9 | 51 | - | 219 |

[^6]| communications |  | 6 | 4 | 3 | 1 | 192 | - | 206 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Equipment expense |  | 18 | 37 | - | - | 37 |  | 92 |
| Card and processing expense |  | 3 | 89 | - | - | (1) | - | 91 |
| Other noninterest expense |  | 792 | 638 | 151 | 217 | (821) | (104) | 873 |
| Total noninterest expense |  | 1,089 | 1,303 | 310 | 381 | 111 | (104) | 3,090 |
| Income (loss) before income taxes |  | 906 | 621 | (16) | 89 | 442 | - | 2,042 |
| Applicable income tax expense (benefit) |  | 63 | 131 | (3) | 19 | 111 | - | 321 |
| Net income (loss) |  | 843 | 490 | (13) | 70 | 331 | - | 1,721 |
| Total goodwill | \$ | 630 | 1,655 | - | 177 | - | - | 2,462 |
| Total assets | \$ | 60,135 | 60,222 | 22,188 | 9,171 | $(10,031)^{(d)}$ | - | 141,685 |

(a) Revenue sharing agreements between wealth and asset management and branch banking are eliminated in the Condensed Consolidated Statements of Income.
(b) Includes impairment charges of $\$ 41$ for branches and land. For more information refer to Note 7 and Note 22.
(c) Includes impairment charges of $\$ 2$ for operating lease equipment. For more information refer to Note 22.
(d) Includes bank premises and equipment of $\$ 38$ classified as held for sale. For more information refer to Note 7.

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Fifth Third Bancorp and Subsidiaries
Notes to Condensed Consolidated Financial Statements (unaudited)

| September 30, 2017 (\$ in millions) | Commercial | Branch | Consumer | Wealth <br> and <br> Asset | General | Eliminations | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Corporate |  |  |
|  | Banking | Banking |  |  | and <br> Other |  |  |
| Net interest income \$ | \$ 1,261 | 1,320 | 179 | 114 | (32) | - | 2,842 |
| Provision for loan and lease losses | 25 | 115 | 30 | 2 | 21 | - | 193 |
| Net interest income after provision for loan and lease | 1236 | 1205 | 149 | 112 | (53) |  | 649 |
| Total noninterest income |  |  |  |  |  |  |  |
| Service charges on deposits | 217 | 196 | - | 1 | 1 | - | 415 |
| Wealth and asset management revenue | 2 | 106 | - | 304 | - | $(99)^{(a)}$ | 313 |
| Corporate banking revenue | $272^{\text {(c) }}$ | 4 |  | 1 | (1) | - | 276 |
| Card and processing revenue | 43 | 185 | - | 4 | - | - | 232 |
| Mortgage banking net revenue | - | 5 | 164 | 1 | - | - | 170 |
| Other noninterest income ${ }^{(b)}$ | 111 | 67 | 14 | 1 | 1,044 | - | 1,237 |
| Securities gains, net | - | - | - | - | 1 | - | 1 |
| Securities gains, net non-qualifying hedges on MSRs | - | - | 4 | - | - | - | 4 |
| Total noninterest income | 645 | 563 | 182 | 312 | 1,045 | (99) | 2,648 |
| Noninterest expense |  |  |  |  |  |  |  |
| Salaries, wages and incentives | 191 | 312 | 113 | 114 | 485 | - | 1,215 |
| Employee benefits | 34 | 75 | 29 | 22 | 114 | - | 274 |
| Net occupancy expense | 20 | 133 | 8 | 8 | 52 | - | 221 |
| Technology and communications | 7 | 3 | 2 | - | 165 | - | 177 |
| Equipment expense | 14 | 39 | - | - | 35 | - | 88 |
| Card and processing expense | 2 | 93 | - | - | - | - | 95 |
| Other noninterest expense | 763 | 592 | 161 | 201 | (770) | (99) | 848 |
| Total noninterest expense | 1,031 | 1,247 | 313 | 345 | 81 | (99) | 2,918 |
| Income before income taxes | 850 | 521 | 18 | 79 | 911 | - | 2,379 |
| Applicable income tax expense | 152 | 183 | 7 | 27 | 325 | - | 694 |

[^7]| Net income |  | 698 | 338 | 11 | 52 | 586 | - | 1,685 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Total goodwill | $\$$ | 613 | 1,655 | - | 155 | - | - | 2,423 |
| Total assets | $\$$ | 58,752 | 57,246 | 22,447 | 8,821 | $(5,002)^{(d)}$ | - | 142,264 |

(a) Revenue sharing agreements between wealth and asset management and branch banking are eliminated in the Condensed Consolidated Statements of Income.
(b) Includes impairment charges of $\$ 6$ for branches and land. For more information refer to Note 7 and Note 22.
(c) Includes impairment charges of $\$ 31$ for operating lease equipment. For more information refer to Note 22.
(d) Includes bank premises and equipment of $\$ 36$ classified as held for sale. For more information refer to Note 7.
24. Pending Acquisition

On May 21, 2018, Fifth Third Bancorp and MB Financial, Inc. jointly announced the signing of a definitive merger agreement under which, on the terms and conditions set forth therein, MB Financial, Inc. ( MB Financial ) will merge with a subsidiary of Fifth Third Bancorp in a transaction valued at approximately $\$ 4.7$ billion based on the closing price of Fifth Third Bancorp s common shares on May 18, 2018. MB Financial is headquartered in Chicago, Illinois with reported assets of approximately $\$ 20$ billion as of June 30, 2018 and is the holding company of MB Financial Bank, N.A. In conjunction with the closing of the transaction, two members of MB Financial s Board of Directors are expected to join the Fifth Third Bancorp Board.

Under the terms of the agreement, common shareholders of MB Financial will receive 1.45 shares of Fifth Third Bancorp common stock and $\$ 5.54$ in cash for each share of MB Financial common stock, which had an implied value of $\$ 54.20$ per share of MB Financial common stock, based on the closing price of Fifth Third Bancorp s common shares on May 18, 2018. The exchange ratio of Fifth Third Bancorp common shares for MB Financial common shares is fixed and will not adjust based on changes in Fifth Third Bancorp s share trading price.

On September 18, 2018, MB Financial held a special meeting of stockholders at which MB Financial stockholders voted on proposals relating to the pending merger. MB Financial s common stockholders approved the Common Stockholder Merger Proposal and the Charter Amendment Proposal but an insufficient number of votes were received from MB Financial s preferred stockholders to approve the Preferred Stockholder Merger Proposal. As a result, the merger will be completed through the Alternative Merger, the merger of a newly-formed subsidiary of Fifth Third Bancorp with and into MB Financial, with MB Financial surviving that merger, as a subsidiary of Fifth Third Bancorp. Detailed voting results are provided in a Current Report on Form 8-K filed with the SEC on September 20, 2018 by MB Financial.

The transaction remains subject to regulatory approval and the satisfaction of other customary closing conditions. The transaction is expected to close in the first quarter of 2019.

## 25. Subsequent Event

Between October 24, 2018 and November 5, 2018, the Bancorp entered into repurchase transactions of 12,453,042 shares, or approximately $\$ 331$ million, of its outstanding common stock through the open market.

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## PART II. OTHER INFORMATION

## Legal Proceedings (Item 1)

Refer to Note 17 of the Notes to Condensed Consolidated Financial Statements in Part I, Item 1 for information regarding legal proceedings.

## Risk Factors (Item 1A)

There have been no material changes made during the third quarter of 2018 to any of the risk factors as previously disclosed in the Bancorp s annual and quarterly reports filed with the SEC.

## Unregistered Sales of Equity Securities and Use of Proceeds (Item 2)

Refer to the Capital Management section within Management s Discussion and Analysis in Part I, Item 2 for information regarding purchases and sales of equity securities by the Bancorp during the third quarter of 2018.

Defaults Upon Senior Securities (Item 3)
None.
Mine Safety Disclosures (Item 4)
Not applicable.

## Other Information (Item 5)

None.

## Exhibits (Item 6)

> 3.1 Amended Articles of Incorporation of Fifth Third Bancorp, as amended. Incorporated by reference to Exhibit 3.1 to the Registrant s Quarterly Report on Form 10-O for the fiscal quarter ended June 30, 2014.
> 3.2 Code of Regulations of Fifth Third Bancorp as Amended as of September 15, 2014. Incorporated by reference to Exhibit 3.2 to the Registrant s Annual Report on Form 10-K filed with the SEC on February 25, 2016.
> 4.1 Amendment dated as of August 31, 2018 to Seventh Supplemental Indenture dated as of June 5, 2018 between Fifth Third Bancorp and Wilmington Trust Company, as Trustee, to the Indenture for Senior Debt Securities dated as of April 30, 2008 between Fifth Third Bancorp and the Trustee.
> 31(i) Certification Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 by Chief Executive Officer.
> 31(ii) Certification Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 by Chief Financial Officer.
> 32(i) Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 by Chief Executive Officer.

32(ii) Certification Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 by Chief Financial Officer.
101 Interactive data files pursuant to Rule 405 of Regulation S-T: (i) the Condensed Consolidated Balance Sheets, (ii) the Condensed Consolidated Statements of Income, (iii) the Condensed Consolidated Statements of Comprehensive Income, (iv) the Condensed Consolidated Statements of Changes in Equity, (v) the Condensed Consolidated Statements of Cash Flows, and (vi) the Notes to Condensed Consolidated Financial Statements tagged as blocks of text and in detail.

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## Signatures

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Fifth Third Bancorp

Registrant
Date: November 6, 2018

/s/ Tayfun Tuzun<br>Tayfun Tuzun<br>Executive Vice President and<br>Chief Financial Officer<br>(Duly Authorized Officer \& Principal Financial Officer)


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[^1]:    Table of Contents119

[^2]:    Table of Contents

[^3]:    Table of Contents

[^4]:    Table of Contents

[^5]:    (a) Excludes FHLB, FRB, and DTCC restricted stock holdings totaling $\$ 248, \$ 362$ and $\$ 2$, respectively, at December 31, 2017.

[^6]:    Table of Contents
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[^7]:    Table of Contents 235

