



2017 Fourth Quarter Earnings Presentation

January 30, 2018

Agenda

2017 OBSERVATIONS

- Craig Dahl (Chief Executive Officer)

REVENUE / LOANS AND LEASES

- Craig Dahl

DEPOSITS / INTEREST RATES / EXPENSES / CAPITAL

- Brian Maass (Chief Financial Officer)

CREDIT

- Jim Costa (Chief Risk Officer & Chief Credit Officer)

CLOSING COMMENTS

- Craig Dahl

Q&A



2017 Observations

CONTINUED FOCUS ON EXECUTING ON OUR STRATEGIC PILLARS IN 2017

Diversification 1

Profitable Growth 2

Operating Leverage 3

Core Funding 4

FOURTH QUARTER 2017

- Announced discontinuation of auto finance loan originations, effective December 1, 2017
- Net income of \$101.4 million, up 102.4% year-over-year and diluted EPS of 57 cents, up 111.1% year-over-year, impacted by the following items:
 - \$130.7 million estimated net tax benefit related to tax reform (77 cents EPS)
 - \$88.2 million pre-tax charge related to discontinuation of auto finance loan originations (48 cents EPS)
 - \$13.1 million pre-tax impact related to additional TCF Foundation contribution, one-time team member bonuses, planned closure of five branches and inventory finance program extension (5 cents EPS)

FULL YEAR 2017

- Completed various portfolio purchases, acquired two businesses, launched a new share repurchase program and refinanced Series A preferred stock
- Improved risk profile as non-accrual loans and leases decreased 34.6%, other real estate owned decreased 61.1% and credit performance was stable
- Revenue growth of 4.5% including the planned reduction in gains on sales income
- Strong loan and lease growth of 7.1%
- Successfully introduced new digital platform to retail banking customers

TCF Discontinues Auto Finance Loan Originations

- Effective December 1, 2017, TCF discontinued auto finance loan originations
- Continue to service existing auto finance portfolio (owned and serviced for others)
- Capital being deployed via various capital optimization strategies, including the previously announced \$150.0 million share repurchase program
- Cash from run-off of auto finance balances also being reinvested into investment portfolio and used to fund loan and lease growth

4Q17 IMPACT

- Pre-tax charge with two components:
 - **\$73.4 million** charge related to goodwill and other intangible assets (\$73.3 million after-tax)
 - **\$14.8 million** restructuring charge for items such as severance, asset impairment and lease termination write-offs (\$9.1 million after-tax)
- Approximately one-third of Gateway's workforce was immediately impacted by the decision, primarily in the sales and originations functions

EXPECTED 2018 IMPACT

- Meaningful earnings improvement in 2018
 - Reduction of auto finance operating revenue and expense
 - Reinvestment of cash into investment and loan and lease portfolios
- Auto finance portfolio run-off of approximately \$1.0 billion to \$1.5 billion in 2018
- Reduced risk profile over time

Impact of Tax Reform

POSITIVE IMPACT OF TAX REFORM LEGISLATION ENACTED IN 2017

- Estimated net tax benefit of \$130.7 million in 4Q17
- Estimated normalized effective tax rate of 23%-25% in 2018 (reduction of approximately 11% compared to corporate tax rate reduction of 14%)
- Generation of additional capital that can potentially be used to support organic loan and lease growth, additional stock buybacks, dividend increases, corporate development or investments in the business

ESTIMATED NET TAX BENEFIT

- Driven by large net deferred tax liability (DTL) of \$227.9 million at December 31, 2017
- Net DTL position primarily generated from accelerated tax depreciation on leasing portfolio

GIVING BACK TO TEAM MEMBERS & COMMUNITIES

- One-time bonuses of \$4.6 million to eligible team members earning under \$100,000 in 2017
- Donation of \$5.0 million to TCF Foundation to increase grants to nonprofit organizations in the communities we service



Recent Capital Actions

CONTINUED FOCUS ON ALLOCATING CAPITAL IN A PRUDENT MANNER TO DRIVE SHAREHOLDER VALUE

SHARE REPURCHASE PROGRAM

- Previously announced share repurchase program with authorization to purchase up to \$150.0 million of common stock
- Repurchased 446,464 shares in 4Q17 at a cost of approximately \$9.2 million

DIVIDEND INCREASE

- TCF Board of Directors declared a quarterly common stock dividend of 15 cents per share
- Increase of 100% compared to the previous quarterly common stock dividend of 7.5 cents per share

PREFERRED STOCK REDEMPTION

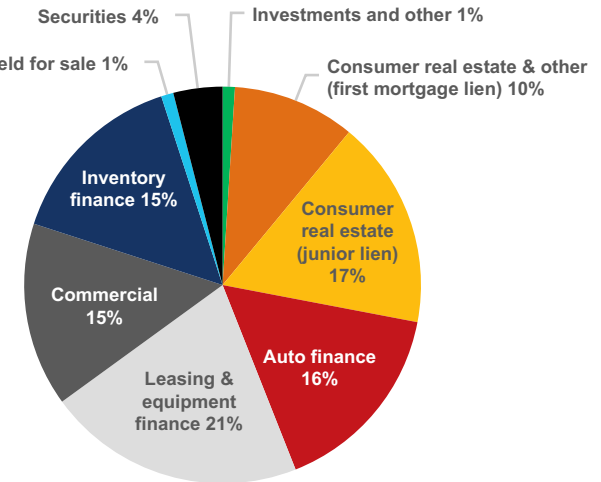
- 6.45% Series B non-cumulative perpetual preferred stock to be redeemed on March 1, 2018
- One-time reduction in net income available to common stockholders of approximately \$3.5 million in 1Q18
- Annual after-tax expense savings of approximately \$6.5 million beginning 2Q18

Revenue Summary

REVENUE DIVERSIFICATION

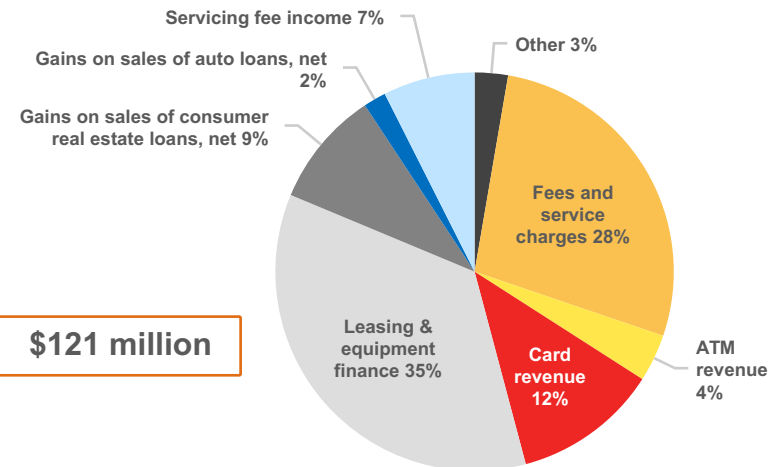
Interest Income

\$271 million

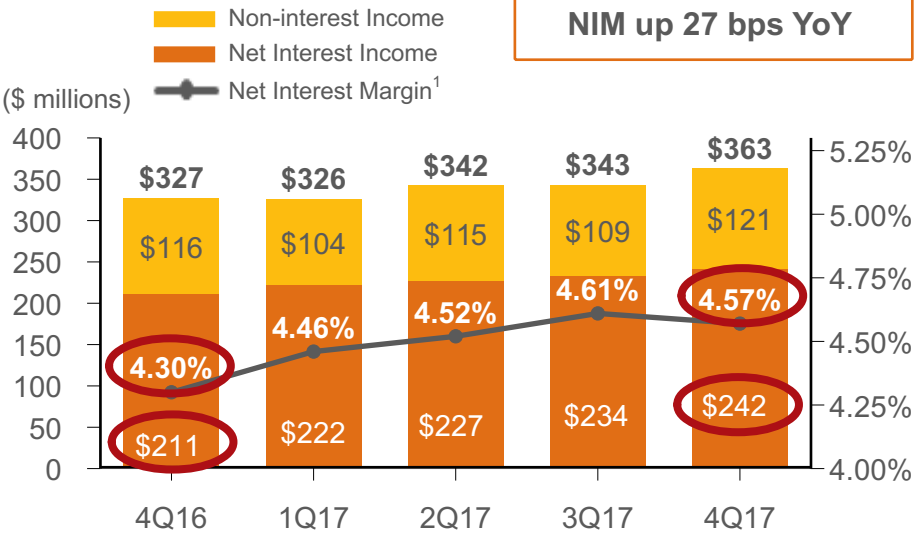


Non-interest Income

\$121 million



NIM up 27 bps YoY



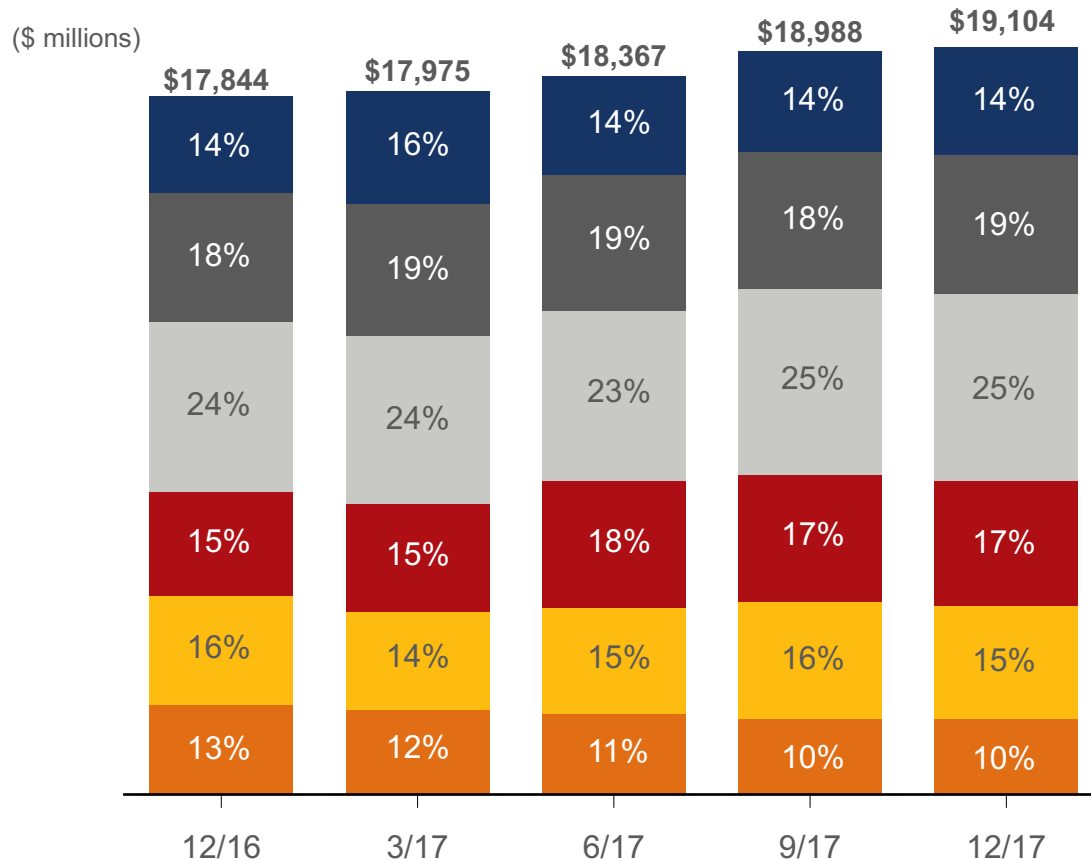
4Q17 vs. 4Q16 revenue and net interest margin impacted by the following 4Q17 items:

- Higher net interest income driven by a combination of higher average yields on loans and leases and loan and lease growth
- Higher levels of leasing and equipment finance non-interest income due to the second quarter of 2017 leasing and equipment finance acquisition
- Reduction in gains on sales and servicing fee income

Loan and Lease Portfolio

- Inventory Finance
- Commercial
- Leasing & Equipment Finance
- Auto Finance
- Consumer Real Estate - Junior Lien
- Consumer Real Estate & Other - First Mortgage Lien

Loan and lease growth of 7.1% YoY



- Year-over-year loan and lease growth in wholesale businesses:
 - Inventory Finance up 10.9%
 - Leasing & Equipment Finance up 9.8%
 - Commercial up 8.4%
- Discontinued auto finance loan originations effective December 1, 2017
- Strong loan and lease diversification by asset class, geography, rate, average loan and lease size, estimated weighted average life and collateral type



Loan and Lease Yields¹

BALANCE SHEET ASSET SENSITIVITY AND CONTINUED PRICING DISCIPLINE RESULTING IN STRONG YIELD PERFORMANCE

| | 4Q16 | 1Q17 | 2Q17 | 3Q17 | 4Q17 |
|---------------------------------|-------------|-------------|-------------|-------------|-------------|
| Consumer Real Estate: | | | | | |
| First Mortgage Lien | 5.22% | 5.33% | 5.35% | 5.33% | 5.36% |
| Junior Lien | 5.64 | 5.82 | 6.01 | 6.13 | 6.13 |
| Commercial | 4.25 | 4.43 | 4.50 | 4.72 | 4.90 |
| Leasing & Equipment Finance | 4.43 | 4.48 | 4.48 | 4.53 | 4.90 |
| Inventory Finance | 5.80 | 5.93 | 6.22 | 6.71 | 6.01 |
| Auto Finance | 4.04 | 4.15 | 5.01 | 5.17 | 5.23 |
| Total Loans and Leases | 4.82 | 4.95 | 5.15 | 5.31 | 5.35 |
| Peer Group ² Average | 4.45 | 4.43 | 4.55 | 4.62 | N.A. |

¹ Annualized and presented on a fully tax-equivalent basis

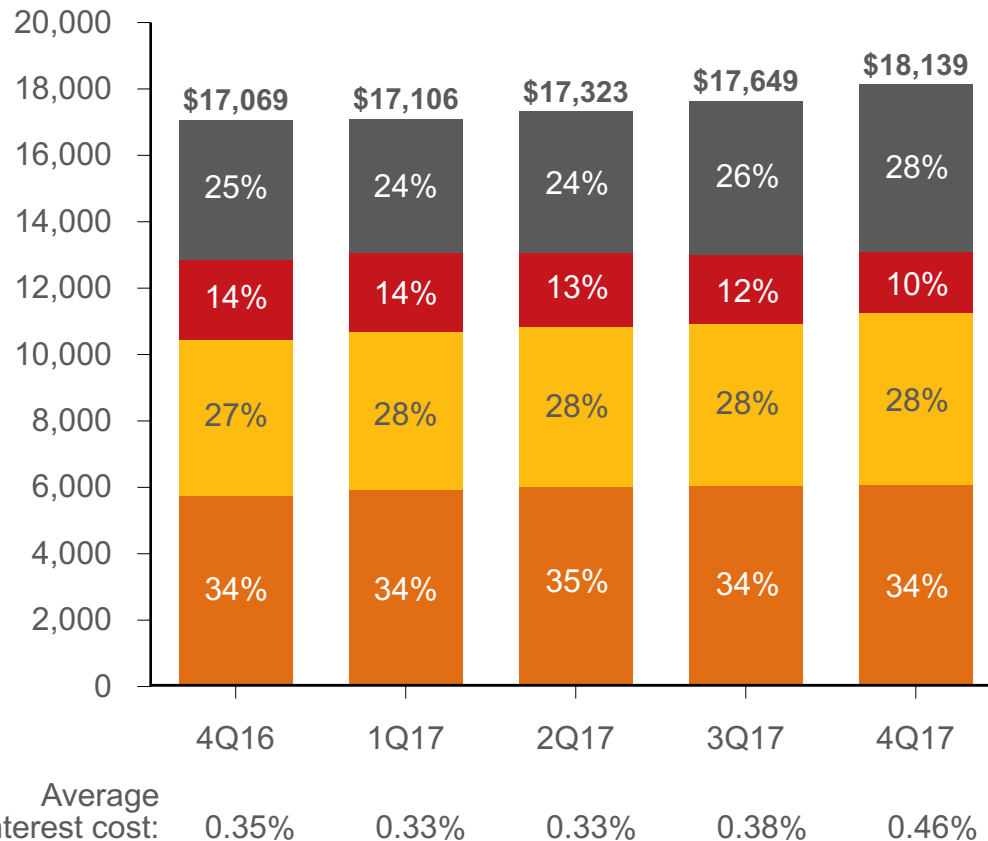
² All U.S. publicly-traded banks and thrifts, excluding TCF, with total assets between \$10 and \$50 billion as of September 30, 2017 that have reported loan and lease yields for the past four quarters, includes loans held for sale (source: S&P Global Market Intelligence)



Deposit Generation

- Certificates of Deposit
- Money Market
- Savings
- Checking

Average Balances (\$ millions)



- 87% of average deposit balances are consumer
- Relative value of retail deposits increasing as short-term interest rates rise
- Average checking balances increased \$338.7 million, or 5.9%, year-over-year
- Average interest rate on deposits up 11 basis points year-over-year primarily due to higher rates on promotional deposits
- Planned closure of five branches



Positive Impact of Rising Interest Rates

Strategic Pillars

Diversification

1

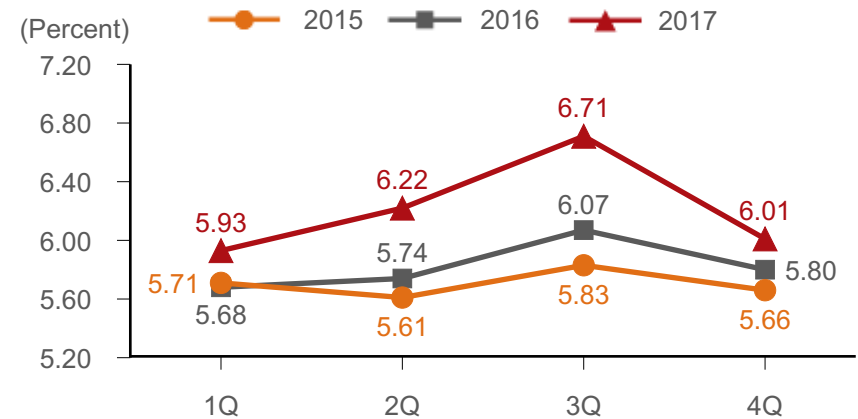
Profitable Growth

2

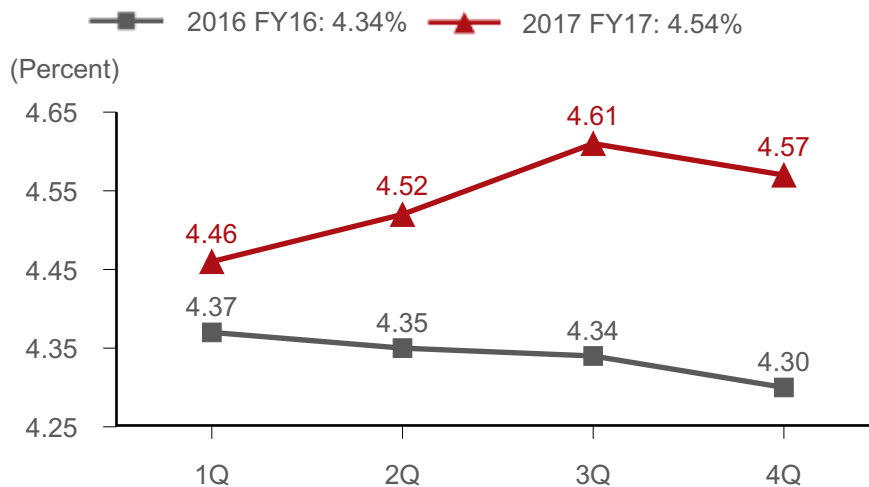
IMPACT ON VARIABLE- AND ADJUSTABLE-RATE PORTFOLIOS¹

| | Quarter ended | | Change |
|----------------------|---------------|-------|--------|
| | 4Q16 | 4Q17 | |
| Consumer Real Estate | 5.36% | 5.95% | 59 bps |
| Commercial | 4.05 | 4.68 | 63 |
| Inventory Finance | 5.80 | 6.01 | 21 |

INVENTORY FINANCE YIELD TRENDS¹



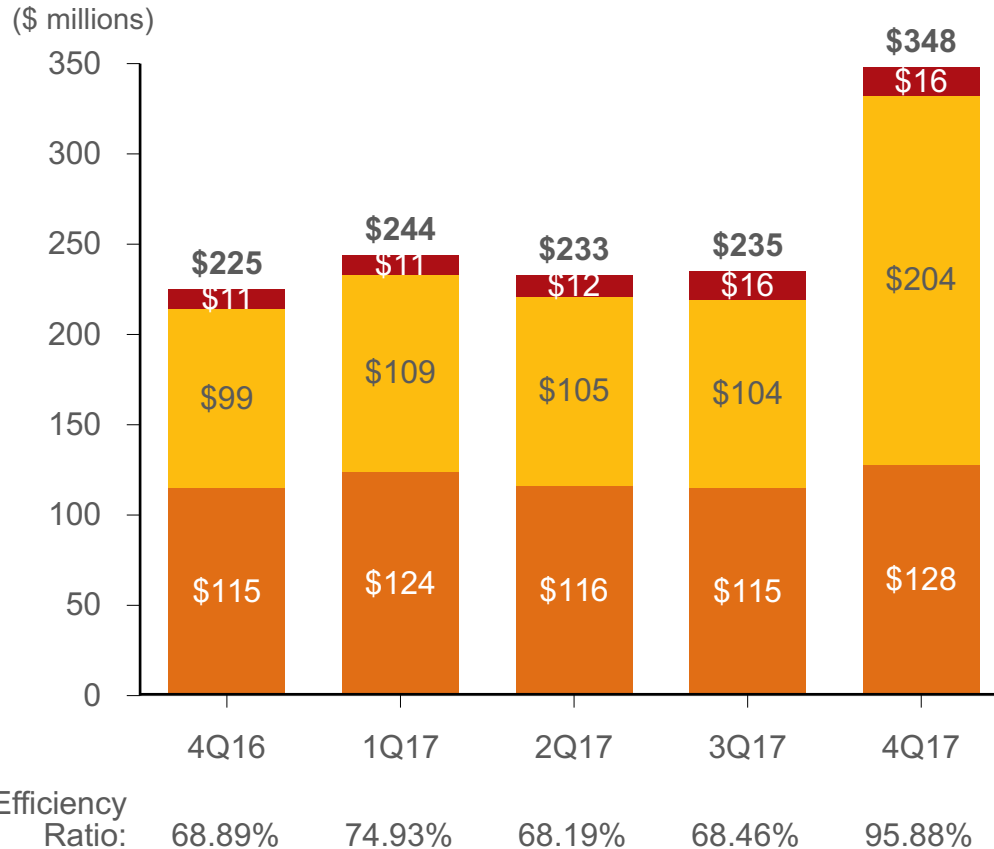
NET INTEREST MARGIN TRENDS¹



- Strong yield expansion in variable- and adjustable-rate portfolios due to rising interest rates
- Inventory finance yields impacted by both seasonality and rising interest rates
- Net interest margin increase of 27 basis points year-over-year due to overall margin expansion on loans and leases, primarily impacted by interest rate increases

Non-interest Expense

- Operating Lease Depreciation
- Other ¹
- Compensation & Employee Benefits



- Operating lease depreciation year-over-year increase offset by an increase in leasing and equipment finance operating lease revenue
- Other non-interest expense impacted by charges related to the discontinuation of auto finance loan originations of \$88.2 million, as well as the donation to TCF Foundation of \$5.0 million
- Compensation and employee benefits expense year-over-year increase due to higher incentive compensation and one-time employee bonuses, partially offset by reduced headcount in auto finance
- Efficiency ratio impacted by fourth quarter charges

Capital and Return

| | 4Q16 | 4Q17 |
|---|----------|----------|
| Common equity Tier 1 capital ratio ¹ | 10.24% | 10.79% |
| Tier 1 risk-based capital ratio ¹ | 11.68% | 12.14% |
| Total risk-based capital ratio ¹ | 13.69% | 13.90% |
| Tier 1 leverage ratio ¹ | 10.73% | 11.12% |
| Common equity ratio | 10.09% | 10.42% |
| Tangible common equity ratio ² | 9.13% | 9.72% |
| Book value per common share | \$ 12.66 | \$ 13.96 |
| Tangible book value per common share ² | \$ 11.33 | \$ 12.92 |
| Return on average common equity ³ | 8.40% | 16.95% |
| Return on average tangible common equity ^{3,4} | 9.43% | 32.87% |

- Maintained strong capital ratios with earnings accumulation as well as the impact of tax reform
- Common stock dividend of 15 cents per share declared on January 30, 2018
- Repurchased 446,464 shares of common stock during fourth quarter 2017 at a cost of approximately \$9.2 million
- 6.45% Series B non-cumulative perpetual preferred stock to be redeemed on March 1, 2018



¹ The regulatory capital ratios for 4Q17 are preliminary pending completion and filing of the Company's regulatory reports

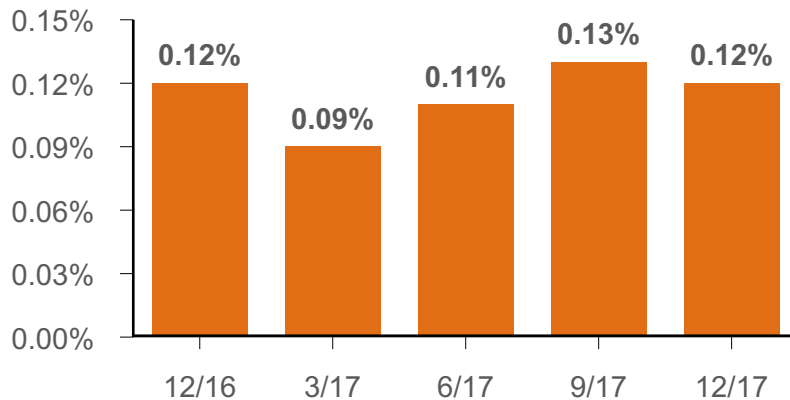
² See "Reconciliation of GAAP to Non-GAAP Financial Measures – Tangible Common Equity Ratio and Tangible Book Value Per Common Share" slide

³ Annualized

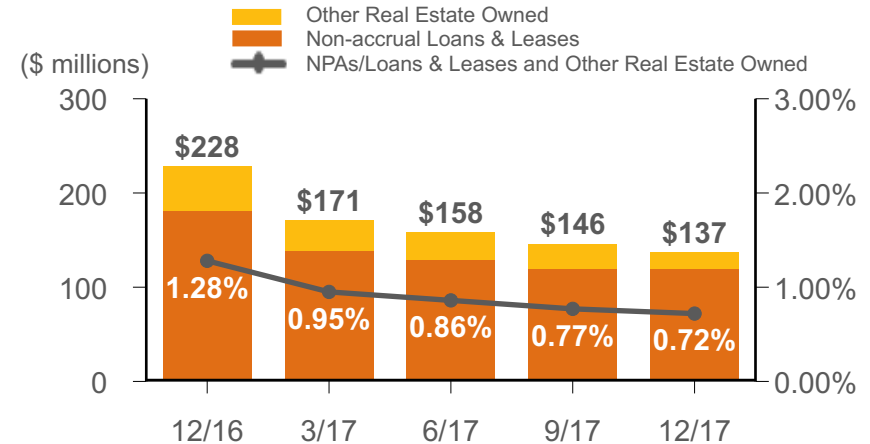
⁴ See "Reconciliation of GAAP to Non-GAAP Financial Measures – Return on Average Tangible Common Equity" slide

Credit Quality Trends

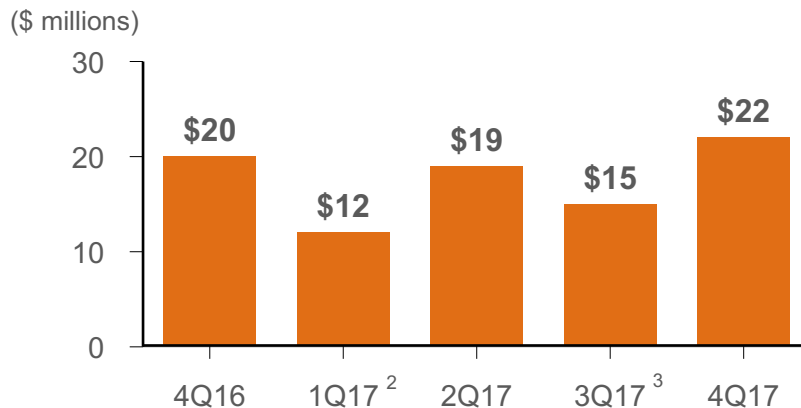
60+ DAY DELINQUENCIES¹



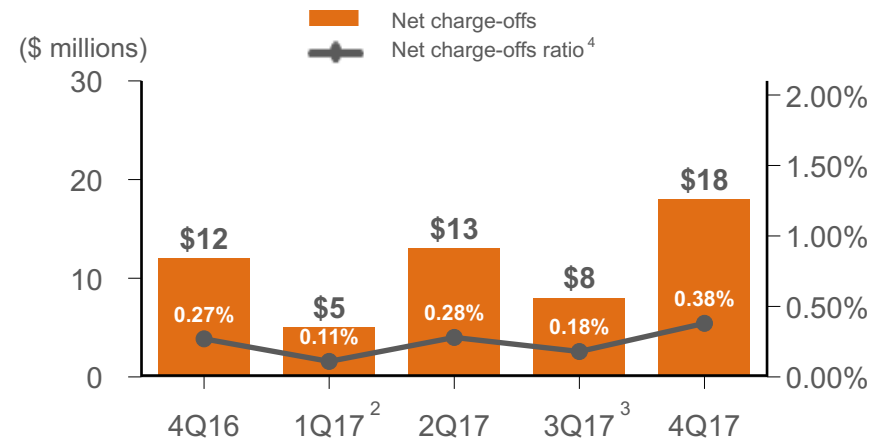
NON-PERFORMING ASSETS



PROVISION FOR CREDIT LOSSES



NET CHARGE-OFFS



¹ Excludes non-accrual loans and leases

² Excluding the \$8.7 million recovery from the consumer real estate non-accrual loan sale, provision for credit losses was \$20.9 million, net charge-offs were \$13.8 million and the net charge-off ratio was 0.31%

³ Excluding the \$4.6 million recovery from the consumer real estate non-accrual loan sale, provision for credit losses was \$19.1 million, net charge-offs were \$12.8 million and the net charge-off ratio was 0.28%

⁴ Annualized

Net Charge-off Ratio

| | Quarter Ended ¹ | | | | | Change from |
|--|----------------------------|----------------------------|---------------|----------------------------|---------------|---------------|
| | Dec. 31, 2016 | Mar. 31, 2017 ² | Jun. 30, 2017 | Sep. 30, 2017 ³ | Dec. 31, 2017 | Dec. 31, 2016 |
| Consumer: | | | | | | |
| Consumer Real Estate: | | | | | | |
| First Mortgage Lien | 0.26% | (0.18)% | 0.15% | (0.16)% | 0.18% | (8) bps |
| Junior Lien | 0.08 | (0.89) | 0.05 | (0.38) | (0.03) | (11) |
| Total Consumer Real Estate | 0.17 | (0.58) | 0.09 | (0.29) | 0.05 | (12) |
| Auto Finance | 1.09 | 1.12 | 0.83 | 1.13 | 1.36 | 27 |
| Consumer⁴ | 0.53 | 0.05 | 0.42 | 0.34 | 0.62 | 9 |
| Wholesale: | | | | | | |
| Commercial | 0.01 | 0.32 | 0.29 | (0.02) | (0.04) | (5) |
| Leasing & Equipment Finance | 0.10 | 0.13 | 0.14 | 0.10 | 0.41 | 31 |
| Inventory Finance | 0.07 | 0.01 | 0.09 | 0.08 | 0.15 | 8 |
| Wholesale | 0.06 | 0.16 | 0.18 | 0.05 | 0.20 | 14 |
| Total⁴ | 0.27 | 0.11 | 0.28 | 0.18 | 0.38 | 11 |
| Total excluding consumer real estate non-accrual loan sales⁴ | 0.27 | 0.31 | 0.28 | 0.28 | 0.38 | 11 |

- Net charge-off ratio increased 11 basis points year-over-year primarily due to increased net charge-offs in the leasing and equipment finance and auto finance portfolios, partially offset by decreased net charge-offs in the consumer real estate portfolio

¹ Annualized

² Excluding the \$8.7 million recovery from the consumer real estate non-accrual loan sale, consumer net charge-off ratio was 0.49% and total net charge-off ratio was 0.31%

³ Excluding the \$4.6 million recovery from the consumer real estate non-accrual loan sale, consumer net charge-off ratio was 0.56% and total net charge-off ratio was 0.28%

⁴ Includes Other

2018 Operating Outlook

BALANCE SHEET

- Redeploy run-off from auto finance portfolio into investment portfolio and/or existing loan and lease portfolios
- Continued organic loan and lease growth in wholesale businesses
- Opportunities for additional loan and lease portfolio purchases
- Moderating certificates of deposit growth with additional core deposit growth
- Reduce loan-to-deposit ratio

OPERATING PERFORMANCE

- Continued revenue growth
- Stable or slightly declining expenses
- Reduction of auto finance operating revenue and expense
- Higher leasing and equipment finance revenue, partially offset by increased operating lease depreciation

2018 Targets¹

ROATCE

Previous 5-Year Approx. Average: **10%**
2018 Full Year Target: **11.5%-13.5%**

Efficiency Ratio

Previous 5-Year Approx. Average: **70%**
2018 Full Year Target: **66%-68%**

¹ ROATCE is a non-GAAP financial measure. A reconciliation of the projected 2018 ROATCE to the most directly comparable GAAP measure is not provided because the Company is unable to provide such reconciliation without unreasonable effort, however it is expected to be consistent with the historical non-GAAP reconciliation of ROATCE included in the appendix. This target range does not include any estimate of the potential impacts of certain types of event-specific charges such as those related to acquisitions, changes in regulations, or the resolution of litigation. See the Cautionary Statements at the end of this presentation for further information regarding some of the items that could cause our actual results to differ from these estimates.

Strategic Pillar Summary

| | STRATEGIC PILLARS | 2018 OUTLOOK |
|---|---------------------------|---|
| 1 | DIVERSIFICATION | <ul style="list-style-type: none">• Continued stable credit quality driven by diversification philosophy• Origination opportunities in multiple asset classes provide flexibility to adjust asset composition based on market conditions |
| 2 | PROFITABLE GROWTH | <ul style="list-style-type: none">• Shift in earning assets primarily from auto finance loans to investment portfolio• Balance sheet composition provides a competitive advantage in the current rising rate environment• Reduced risk profile of the balance sheet |
| 3 | OPERATING LEVERAGE | <ul style="list-style-type: none">• Continued revenue growth with stable or slightly declining expenses• Improved efficiency ratio driven by the discontinuation of auto finance loan originations |
| 4 | CORE FUNDING | <ul style="list-style-type: none">• Focus on retail deposits which provide a competitive pricing advantage in a rising rate environment• Continued emphasis on providing convenience to retail customers through enhanced delivery channels |



Appendix

The background features a dark gray gradient with large, overlapping, curved shapes in a slightly lighter shade of gray, creating a modern, abstract aesthetic.

Cautionary Statements for Purposes of the Safe Harbor Provisions of the Securities Litigation Reform Act

Any statements contained in this presentation regarding the outlook for the Company's businesses and their respective markets, such as projections of future performance, targets, guidance, statements of the Company's plans and objectives, forecasts of market trends and other matters, are forward-looking statements based on the Company's assumptions and beliefs. Such statements may be identified by such words or phrases as "will likely result," "are expected to," "will continue," "outlook," "will benefit," "is anticipated," "estimate," "project," "management believes" or similar expressions. These forward-looking statements are subject to certain risks and uncertainties that could cause actual results to differ materially from those discussed in such statements and no assurance can be given that the results in any forward-looking statement will be achieved. For these statements, TCF claims the protection of the safe harbor for forward-looking statements contained in the Private Securities Litigation Reform Act of 1995. Any forward-looking statement speaks only as of the date on which it is made, and we disclaim any obligation to subsequently revise any forward-looking statement to reflect events or circumstances after such date or to reflect the occurrence of anticipated or unanticipated events.

Certain factors could cause the Company's future results to differ materially from those expressed or implied in any forward-looking statements contained herein. These factors include the factors discussed in Part I, Item 1A of the Company's Annual Report on Form 10-K for the year ended December 31, 2016 under the heading "Risk Factors," the factors discussed below and any other cautionary statements, written or oral, which may be made or referred to in connection with any such forward-looking statements. Since it is not possible to foresee all such factors, these factors should not be considered as complete or exhaustive.

Adverse Economic or Business Conditions; Competitive Conditions; Credit and Other Risks. Deterioration in general economic and banking industry conditions, including those arising from government shutdowns, defaults, anticipated defaults or rating agency downgrades of sovereign debt (including debt of the U.S.), or increases in unemployment; adverse economic, business and competitive developments such as shrinking interest margins, reduced demand for financial services and loan and lease products, deposit outflows, increased deposit costs due to competition for deposit growth and evolving payment system developments, deposit account attrition or an inability to increase the number of deposit accounts; customers completing financial transactions without using a bank; adverse changes in credit quality and other risks posed by TCF's loan, lease, investment, securities held to maturity and securities available for sale portfolios, including declines in commercial or residential real estate values, changes in the allowance for loan and lease losses dictated by new market conditions or regulatory requirements, or the inability of home equity line borrowers to make increased payments caused by increased interest rates or amortization of principal; deviations from estimates of prepayment rates and fluctuations in interest rates that result in decreases in the value of assets such as interest-only strips that arise in connection with TCF's loan sales activity; interest rate risks resulting from fluctuations in prevailing interest rates or other factors that result in a mismatch between yields earned on TCF's interest-earning assets and the rates paid on its deposits and borrowings; foreign currency exchange risks; counterparty risk, including the risk of defaults by our counterparties or diminished availability of counterparties who satisfy our credit quality requirements; decreases in demand for the types of equipment that TCF leases or finances; the effect of any negative publicity; the effects of man-made and natural disasters, including fires, floods, tornadoes, hurricanes, acts of terrorism, civil disturbances and environmental damage, which may negatively affect our operations and/or our customers.

Legislative and Regulatory Requirements. New consumer protection and supervisory requirements and regulations, including those resulting from action by the Consumer Financial Protection Bureau ("CFPB") and changes in the scope of Federal preemption of state laws that could be applied to national banks and their subsidiaries; the imposition of requirements that adversely impact TCF's deposit, lending, loan collection and other business activities such as mortgage foreclosure moratorium laws, further regulation of financial institution campus banking programs, restrictions on arbitration, or new restrictions on loan and lease products; changes affecting customer account charges and fee income, including changes to interchange rates; (continued)

Cautionary Statements for Purposes of the Safe Harbor Provisions of the Securities Litigation Reform Act (cont.)

regulatory actions or changes in customer opt-in preferences with respect to overdrafts, which may have an adverse impact on TCF; governmental regulations or judicial actions affecting the security interests of creditors; deficiencies in TCF's compliance programs, including under the Bank Secrecy Act in past or future periods, which may result in regulatory enforcement action including monetary penalties; increased health care costs including those resulting from health care reform; regulatory criticism and resulting enforcement actions or other adverse consequences such as increased capital requirements, higher deposit insurance assessments or monetary damages or penalties; heightened regulatory practices, requirements or expectations, including, but not limited to, requirements related to enterprise risk management, the Bank Secrecy Act and anti-money laundering compliance activity.

Earnings/Capital Risks and Constraints, Liquidity Risks. Limitations on TCF's ability to carry out its share repurchase program, pay dividends or increase dividends because of financial performance deterioration, regulatory restrictions or limitations; increased deposit insurance premiums, special assessments or other costs related to adverse conditions in the banking industry; the impact on banks of regulatory reform, including additional capital, leverage, liquidity and risk management requirements or changes in the composition of qualifying regulatory capital; adverse changes in securities markets directly or indirectly affecting TCF's ability to sell assets or to fund its operations; diminished unsecured borrowing capacity resulting from TCF credit rating downgrades or unfavorable conditions in the credit markets that restrict or limit various funding sources; costs associated with new regulatory requirements or interpretive guidance including those relating to liquidity; uncertainties relating to future retail deposit account changes, including limitations on TCF's ability to predict customer behavior and the impact on TCF's fee revenues.

Branching Risk; Growth Risks. Adverse developments affecting TCF's supermarket banking relationships or either of the primary supermarket chains in which TCF maintains supermarket branches; costs related to closing underperforming branches; inability to timely close underperforming branches due to long-term lease obligations; slower than anticipated growth in existing or acquired businesses; inability to successfully execute on TCF's growth strategy through acquisitions or expanding existing business relationships; failure to expand or diversify TCF's balance sheet through new or expanded programs or opportunities; failure to effectuate, and risks of claims related to, sales of loans; risks related to new product additions and addition of distribution channels (or entry into new markets) for existing products.

Technological and Operational Matters. Technological or operational difficulties, loss or theft of information, cyber-attacks and other security breaches, counterparty failures and the possibility that deposit account losses (fraudulent checks, etc.) may increase; failure to keep pace with technological change, such as by failing to develop and maintain technology necessary to satisfy customer demands, costs and possible disruptions related to upgrading systems; the failure to attract and retain key employees.

Litigation Risks. Results of litigation or government enforcement actions such as TCF's pending litigation with the CFPB and related matters, including class action litigation or enforcement actions concerning TCF's lending or deposit activities, including account opening/origination, servicing practices, fees or charges, employment practices, or checking account overdraft program "opt in" requirements; possible increases in indemnification obligations for certain litigation against Visa U.S.A.

Accounting, Audit, Tax and Insurance Matters. Changes in accounting standards or interpretations of existing standards; federal or state monetary, fiscal or tax policies, including the impact of the Tax Cuts and Jobs Act tax reform legislation and adoption of federal or state legislation that would increase federal or state taxes; ineffective internal controls; adverse federal, state or foreign tax assessments or findings in tax audits; lack of or inadequate insurance coverage for claims against TCF; potential for claims and legal action related to TCF's fiduciary responsibilities.

Reconciliation of GAAP to Non-GAAP Financial Measures – Tangible Common Equity Ratio and Tangible Book Value Per Common Share¹

(\$ thousands, except per share data)

| | | At Dec. 31, 2016 | At Dec. 31, 2017 |
|--|-----------|---------------------|---------------------|
| Total equity | | \$ 2,444,645 | \$ 2,680,584 |
| Less: Non-controlling interest in subsidiaries | | 17,162 | 17,827 |
| Total TCF Financial Corporation stockholders' equity | | 2,427,483 | 2,662,757 |
| Less: Preferred stock | | 263,240 | 265,821 |
| Total common stockholders' equity | (a) | 2,164,243 | 2,396,936 |
| Less: | | | |
| Goodwill, net | | 225,640 | 154,757 |
| Other intangibles, net | | 1,738 | 23,687 |
| Tangible common equity | (b) | \$ 1,936,865 | \$ 2,218,492 |
| Total assets | (c) | \$ 21,441,326 | \$ 23,002,159 |
| Less: | | | |
| Goodwill, net | | 225,640 | 154,757 |
| Other intangibles, net | | 1,738 | 23,687 |
| Tangible assets | (d) | \$ 21,213,948 | \$ 22,823,715 |
| Common stock shares outstanding | (e) | 170,991,940 | 171,669,419 |
| Common equity ratio | (a) / (c) | 10.09% | 10.42% |
| Tangible common equity ratio | (b) / (d) | 9.13% | 9.72% |
| Book value per common share | (a) / (e) | \$ 12.66 | \$ 13.96 |
| Tangible book value per common share | (b) / (e) | \$ 11.33 | \$ 12.92 |

¹ When evaluating capital adequacy and utilization, management considers financial measures such as the tangible common equity ratio and tangible book value per common share. These measures are non-GAAP financial measures and are viewed by management as useful indicators of capital levels available to withstand unexpected market or economic conditions, and also provide investors, regulators and other users with information to be viewed in relation to other banking institutions.

Reconciliation of GAAP to Non-GAAP Financial Measures – Return on Average Tangible Common Equity¹

(\$ thousands)

| | | QTD Dec. 31, 2016 | QTD Dec. 31, 2017 |
|--|-----------|----------------------|----------------------|
| Net income available to common stockholders | (a) | \$ 45,245 | \$ 97,653 |
| Plus: Goodwill impairment | | — | 73,041 |
| Plus: Other intangibles amortization and impairment | | 290 | 1,187 |
| Less: Income tax expense attributable to other intangibles amortization and impairment | | 103 | 530 |
| Adjusted net income available to common stockholders | (b) | <u>\$ 45,432</u> | <u>\$ 171,351</u> |
| Average balances: | | | |
| Total equity | | \$ 2,436,136 | \$ 2,591,012 |
| Less: Non-controlling interest in subsidiaries | | 18,914 | 20,399 |
| Total TCF Financial Corporation stockholders' equity | | <u>2,417,222</u> | <u>2,570,613</u> |
| Less: Preferred stock | | 263,240 | 265,821 |
| Average total common stockholders' equity | (c) | <u>2,153,982</u> | <u>2,304,792</u> |
| Less: | | | |
| Goodwill, net | | 225,640 | 197,734 |
| Other intangibles, net | | 1,872 | 21,901 |
| Average tangible common equity | (d) | <u>\$ 1,926,470</u> | <u>\$ 2,085,157</u> |
| Return on average common equity ² | (a) / (c) | 8.40% | 16.95% |
| Return on average tangible common equity ² | (b) / (d) | 9.43% | 32.87% |

¹ When evaluating capital adequacy and utilization, management considers financial measures such as return on average tangible common equity. This measure is a non-GAAP financial measure and is viewed by management as a useful indicator of capital levels available to withstand unexpected market or economic conditions, and also provide investors, regulators and other users with information to be viewed in relation to other banking institutions.

² Annualized