Allegiance Bancshares, Inc.®

Second Quarter 2018
Earnings Presentation

Safe Harbor Statement

“Safe Harbor” Statement under the Private Securities Litigation Reform Act of 1995: This presentation may contain forward-looking statements within the meaning of the securities laws that are based on various facts and derived utilizing important assumptions, present expectations, estimates and projections about Allegiance. These statements preceded by, followed by or that otherwise include the words “believes,” “expects,” “continues”, “anticipates,” “intends,” “projects,” “estimates,” “potential”, “plans” and similar expressions or future or conditional verbs such as “will,” “should,” “would,” “may” and “could” are generally forward-looking in nature and not historical facts, although not all forward looking statements include the foregoing. Forward-looking statements include information concerning Allegiance’s future financial performance, business and growth strategy, projected plans and objectives, as well as projections of macroeconomic and industry trends, which are inherently unreliable due to the multiple factors that impact economic trends, and any such variations may be material. Such forward-looking statements are not guarantees of future performance and are subject to risks and uncertainties, many of which are outside of Allegiance’s control, which may cause actual results to differ materially from those expressed or implied by the forward-looking statements. These risks and uncertainties include but are not limited to whether Allegiance can: continue to develop and maintain new and existing customer and community relationships; successfully implement its growth strategy, including identifying suitable acquisition targets and integrating the businesses of acquired companies and banks; sustain its current internal growth rate; provide quality and competitive products and services that appeal to its customers; continue to have access to debt and equity capital markets; and achieve its performance objectives. These and various other factors are discussed in Allegiance's Annual Report on Form 10-K for the fiscal year ended December 31, 2017 and in other reports and statements Allegiance has filed with the Securities and Exchange Commission. Copies of such filings are available for download free of charge from the Investor Relations section of Allegiance's website at www.allegiancebank.com, under Financial Information, SEC Filings. Any forward-looking statement made by Allegiance in this presentation speaks only as of the date on which it is made. Factors or events that could cause Allegiance’s actual results to differ may emerge from time to time, and it is not possible for Allegiance to predict all of them. Allegiance undertakes no obligation to publicly update any forward-looking statement, whether as a result of new information, future developments or otherwise, except as may be required by law.

GAAP Reconciliation of Non-GAAP Financial Measures

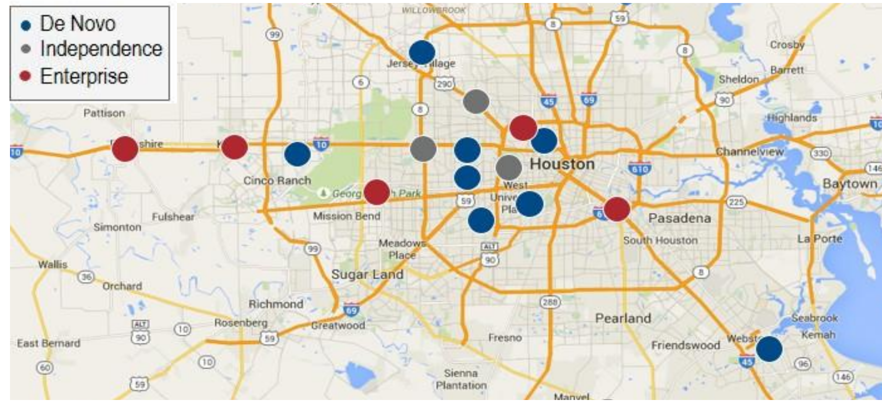
Allegiance’s management uses certain non-GAAP financial measures to evaluate its performance. A reconciliation of the non-GAAP financial measures is included on page 10 of the earnings release issued concurrently herewith.

Allegiance Bancshares, Inc.

Company Overview

- Holding company for Allegiance Bank based in Houston, Texas
- Headquartered in Houston, Texas
- NASDAQ Ticker: ABTX
- 16 full service banking locations and one loan production office within the Houston MSA
- Super-community banking model
- Two acquisitions completed:
  - 2013: Independence Bank with $222.1 million in total assets
  - 2015: Enterprise Bank (F&M Bancshares, Inc.) with $569.7 million in total assets
- Pending acquisition of Post Oak Bank, N.A. (Post Oak Bancshares, Inc.) with $1.43 billion in total assets as of March 31, 2018 expected to close in the 4th quarter 2018, pending regulatory and shareholder approvals

Branch Map

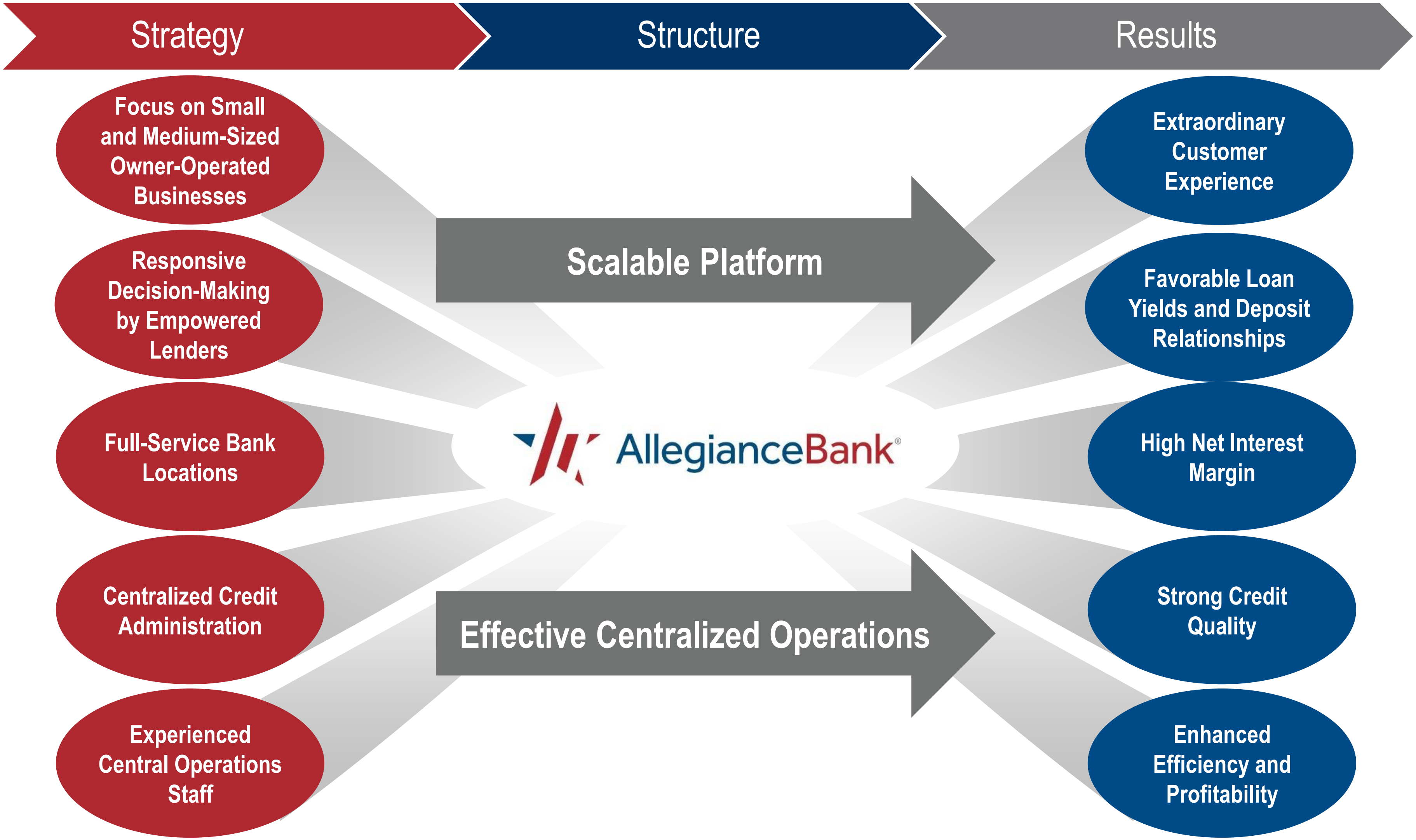


Summary Financials

Allegiance Bancshares, Inc.				
($ in thousands)	6/30/2018	12/31/2017	12/31/2016	12/31/2015
Total Assets	$ 2,966,426	$ 2,860,231	$ 2,450,948	$ 2,084,579
Total Loans	2,358,675	2,270,876	1,891,635	1,681,052
Total Deposits	2,313,786	2,213,974	1,870,183	1,759,133
Total Equity	319,888	306,865	279,817	258,490
Loans/Deposits	101.9%	102.6%	101.1%	95.6%
NPAs/Assets	0.49%	0.49%	0.75%	0.25%
TCE/TA	9.49%	9.38%	9.82%	10.48%
NIM (tax equivalent)	4.21%*	4.34%	4.37%	4.68%
ROAA	1.03%*	0.65%	0.98%	0.81%
ROATCE	11.02%*	6.93%	9.96%	9.52%

*Annualized as of 2Q 2018

Our Super-community Banking Strategy



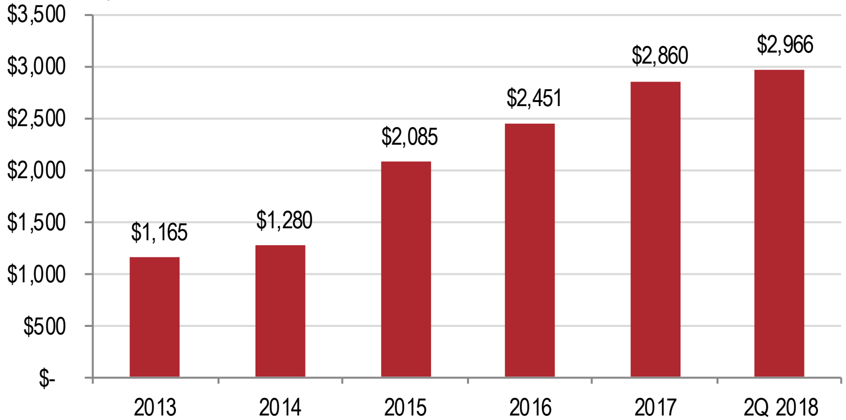
Highlights – Second Quarter 2018

- Core loan growth of $266.0 million, or 13.0%, year over year to $2.31 billion for the second quarter 2018 compared to $2.04 billion for the second quarter 2017
- Deposit growth of $214.5 million, or 10.2%, year over year to $2.31 billion for the second quarter 2018 compared to $2.10 billion for the second quarter ended 2017
- Announced pending acquisition of Post Oak projected to close in the fourth quarter 2018
- Completed core technology platform conversion during the second quarter 2018
- Net income increased 40.1% to $7.6 million and diluted earnings per share of $0.55 for the second quarter 2018 compared to $5.4 million and $0.40 for the second quarter 2017 which included $1.1 million of technology conversion costs and $625 thousand of merger expenses related to the pending transaction with Post Oak
- Net interest income increased 10.8% to $27.8 million for the second quarter 2018 compared to $25.1 million for the second quarter 2017
- Assets of $2.97 billion, loans of $2.36 billion, deposits of $2.31 billion and shareholder's equity of $319.9 million at June 30, 2018
- Received the Houston Better Business Bureau 2018 Pinnacle Award for Excellence for the financial services industry

Historical Growth

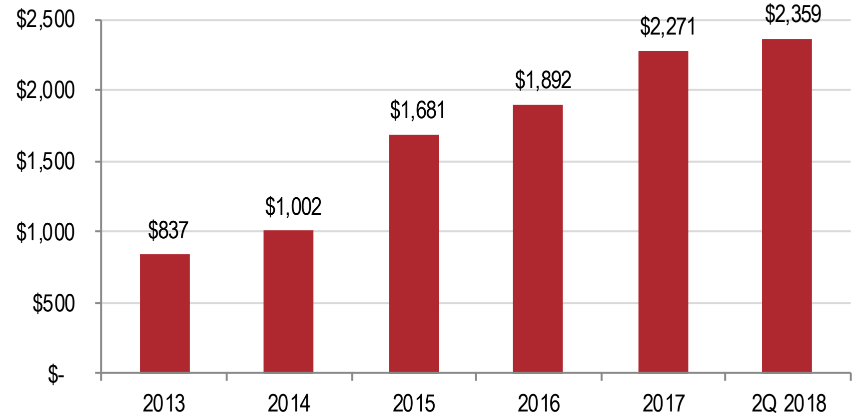
Total Assets

($ in millions)



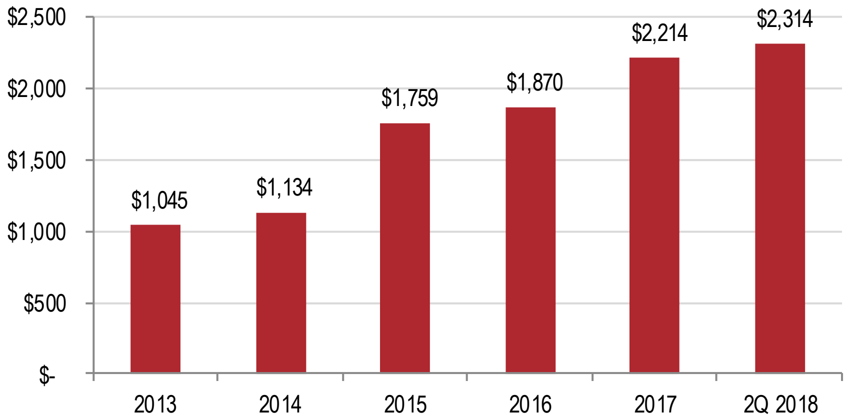
Total Loans

($ in millions)



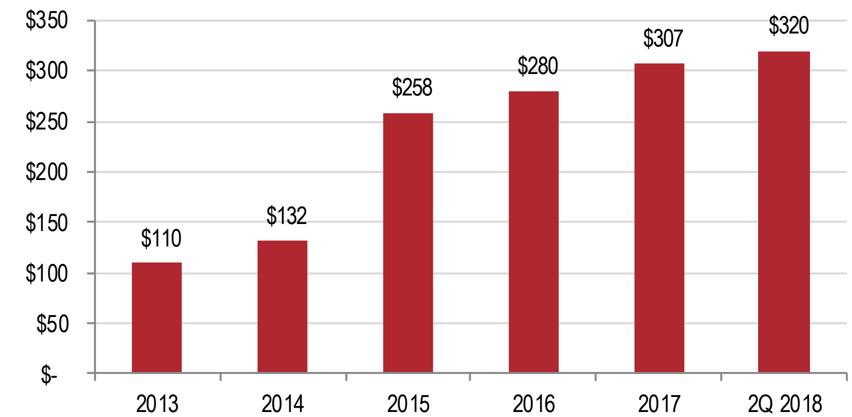
Total Deposits

($ in millions)



Total Equity

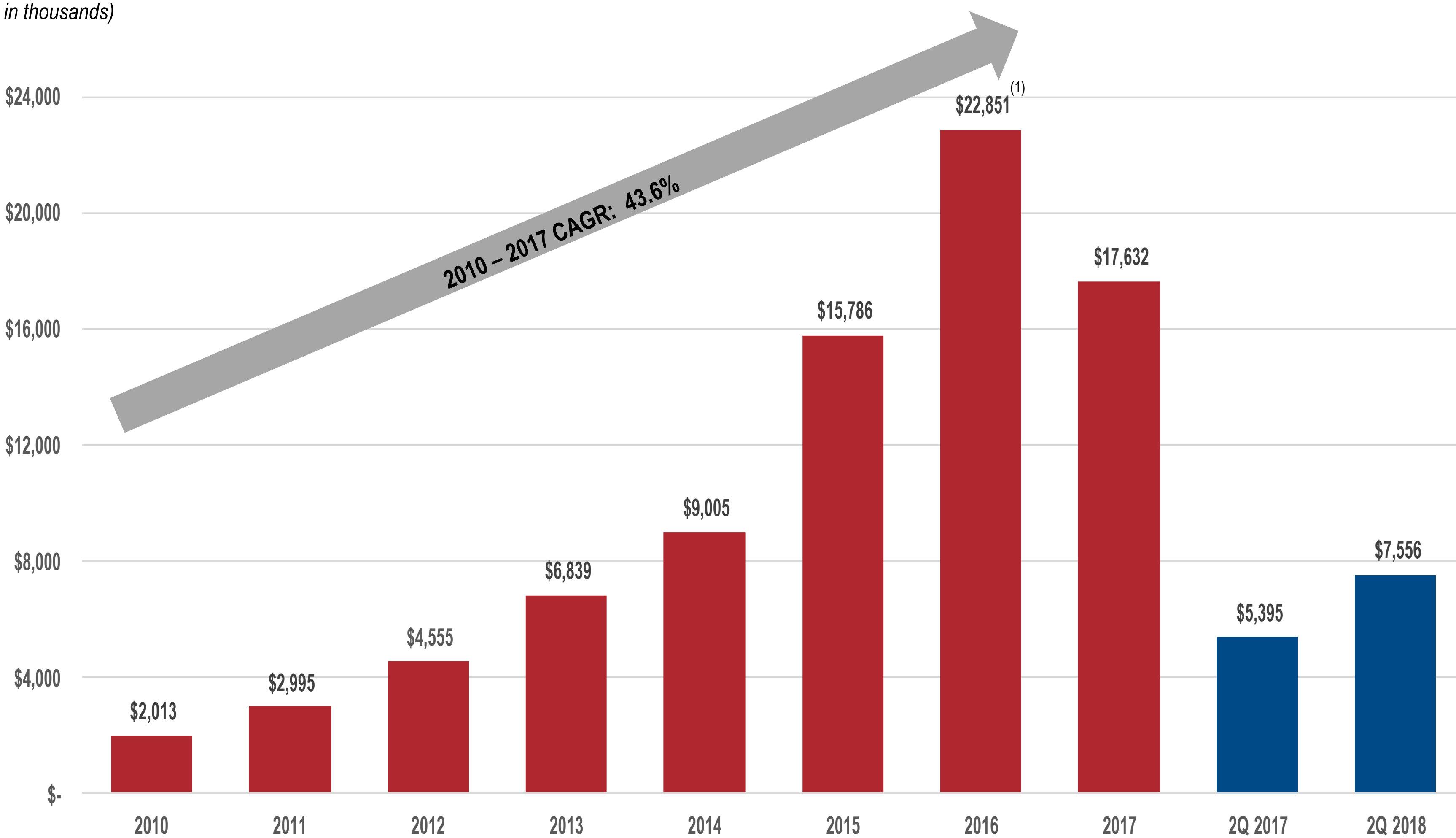
($ in millions)



AllegianceBancshares, Inc.

Net Income Growth

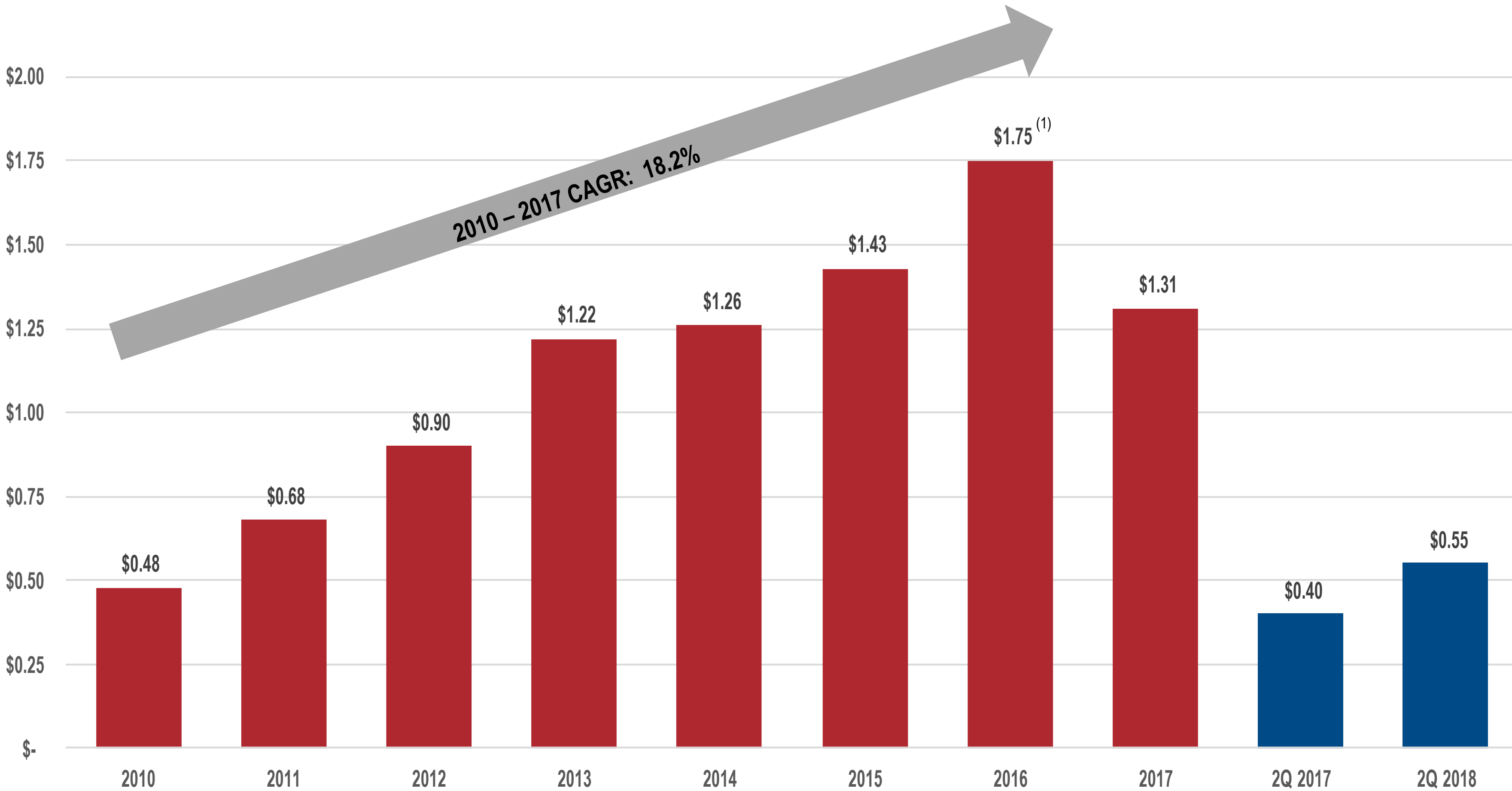
($ in thousands)



(1) Includes a one-time gain from sale of branches of $1.3 million (after-tax)

AllegianceBancshares, Inc.

Diluted EPS Growth

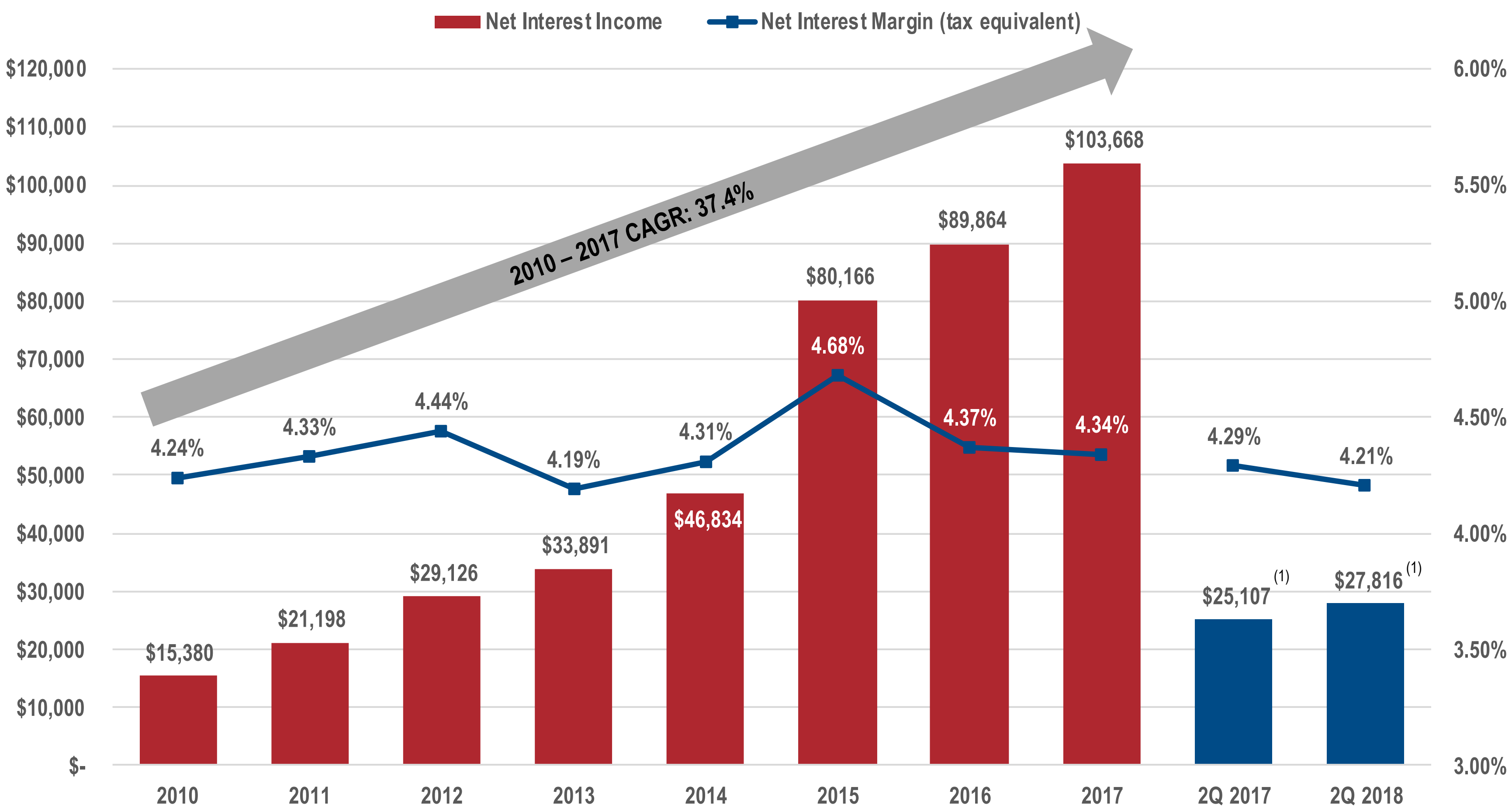


(1) *Includes a one-time gain from sale of branches of $1.3 million (after-tax).*

AllegianceBancshares, Inc.

Net Interest Income and Margin

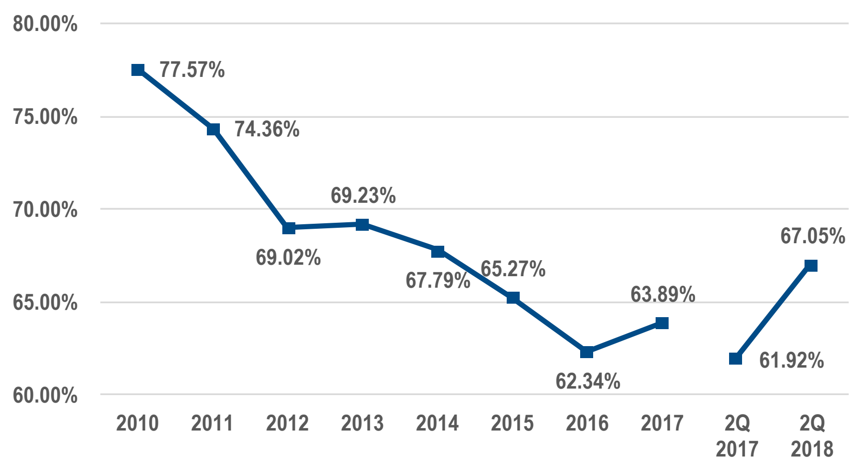
($ in thousands)



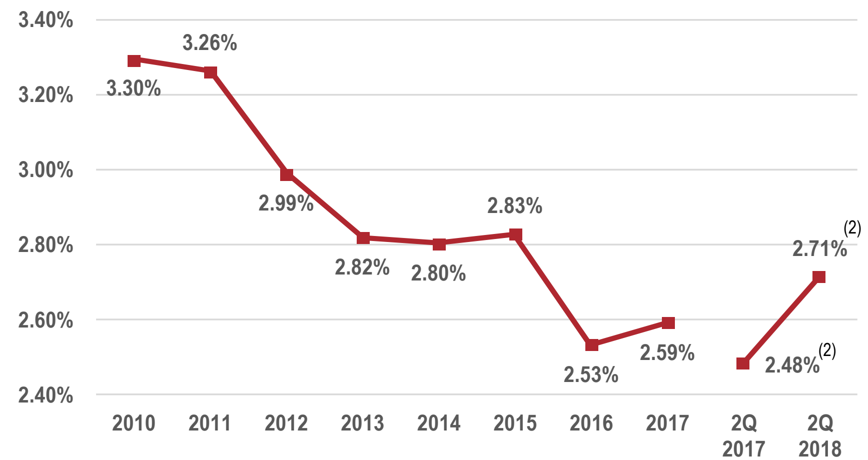
(1) *Annualized*

Performance Metrics

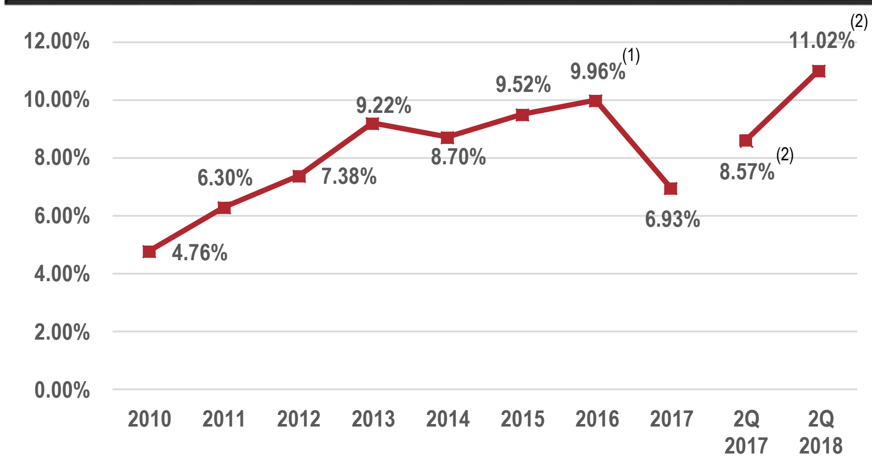
Efficiency



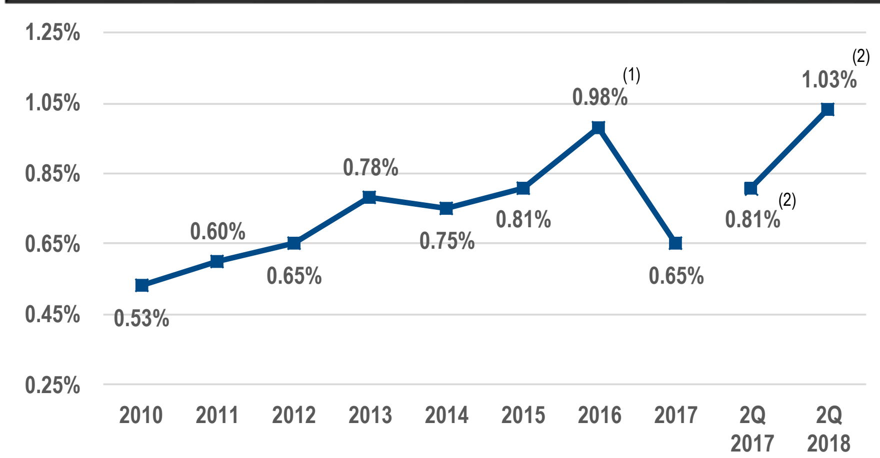
Noninterest Expense / Average Assets



ROATCE



ROAA

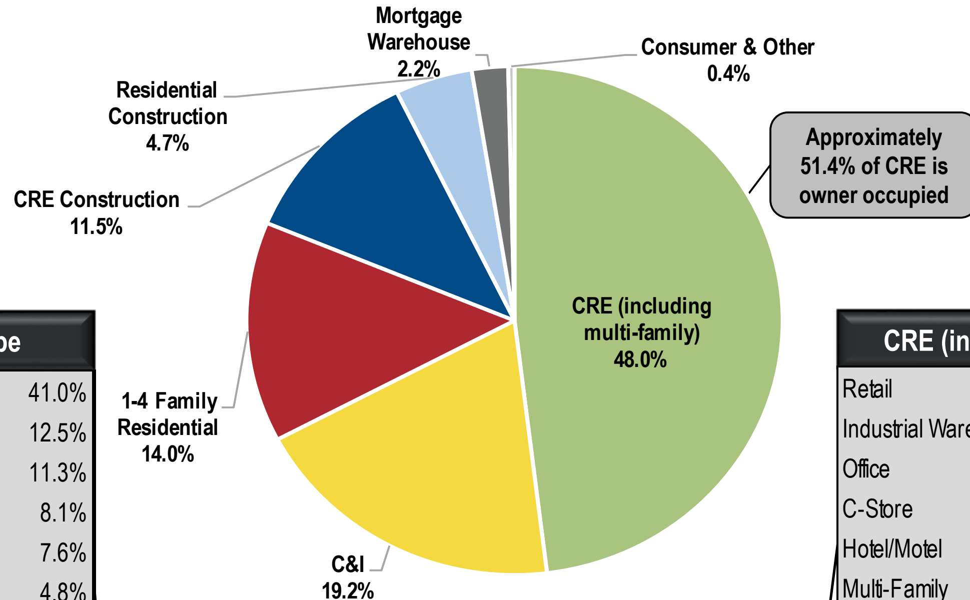


(1) *Includes a one-time gain from sale of branches of $1.3 million (after-tax)*
(2) *Annualized*

AllegianceBancshares, Inc.

Loan Portfolio Composition

($ in millions)



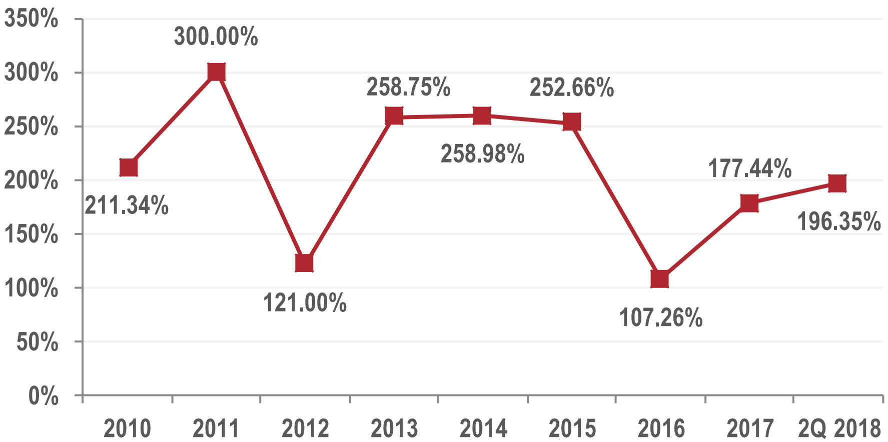
CRE Construction by Property Type		
Improved Land	$ 110.7	41.0%
C-Store	33.9	12.5%
Retail/Wholesale	30.6	11.3%
Office	22.0	8.1%
Hotel/Motel	20.7	7.6%
Health Care	13.0	4.8%
Industrial/Warehouse	14.0	5.2%
Health Care	13.0	4.8%
Car Wash	4.4	1.6%
Church Facility	3.3	1.2%
Investment Property	3.1	1.1%
Other	2.3	0.8%
Total CRE Construction	**$ 271.0**	**100.0%**

Loan Portfolio (as of June 30, 2018)		
CRE (including multi-family)	$ 1,134,903	48.0%
C&I	452,307	19.2%
1-4 Family Residential	330,053	14.0%
CRE Construction	270,965	11.5%
Residential Construction	109,962	4.7%
Mortgage Warehouse	51,552	2.2%
Consumer & Other	8,933	0.4%
Total Loans	**$ 2,358,675**	**100.0%**

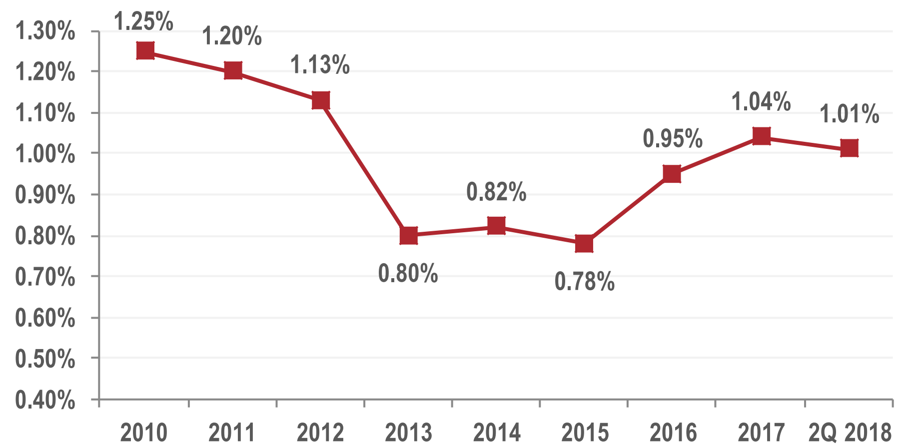
CRE (incl. multi-family) by Property Type		
Retail	$ 314.5	27.8%
Industrial Warehouse	181.5	16.0%
Office	158.6	14.0%
C-Store	125.6	11.1%
Hotel/Motel	109.5	9.6%
Multi-Family	64.5	5.7%
Day Care	28.7	2.5%
Health Care	21.3	1.9%
Restaurant/Bar	20.4	1.8%
Church Facility	18.7	1.6%
Farmland	18.7	1.6%
Agriculture	17.3	1.5%
Mini Storage	15.3	1.3%
Fitness Center	12.3	1.1%
Other	28.0	2.5%
Total CRE (incl. multi-family)	**$ 1,134.9**	**100.0%**

Strong Credit Quality

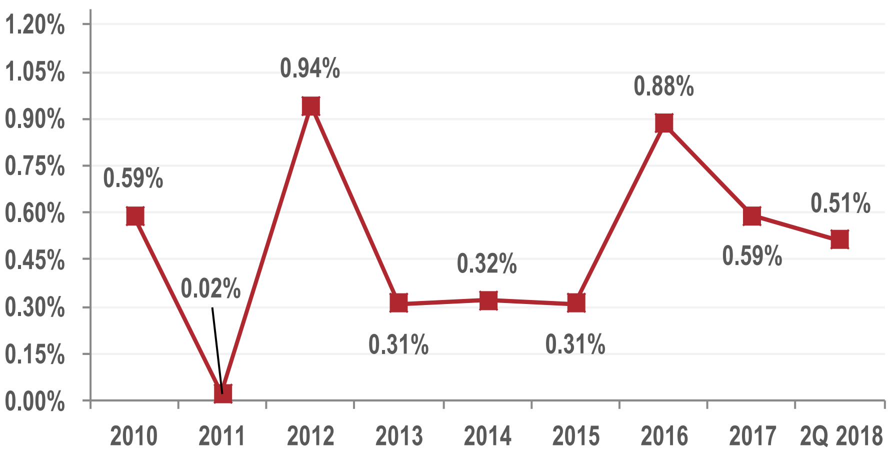
Allowance / Nonperforming Loans



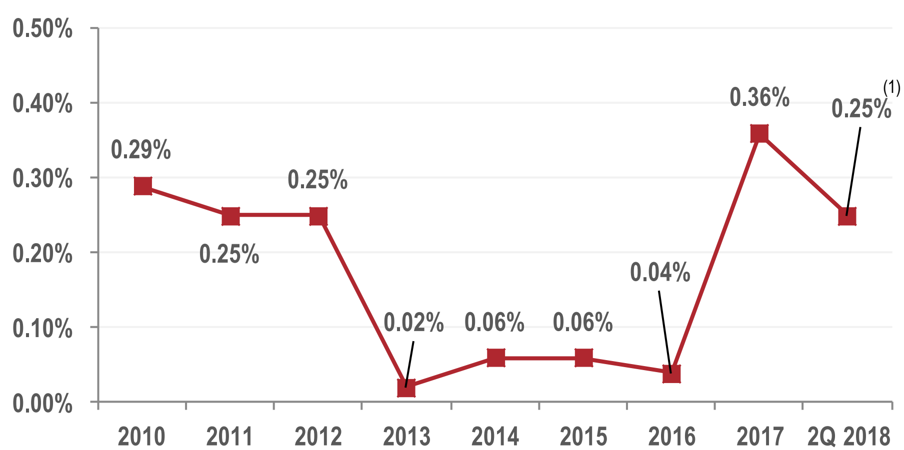
Allowance / Total Loans



Nonperforming Loans / Total Loans



Net Charge-offs / Average Loans

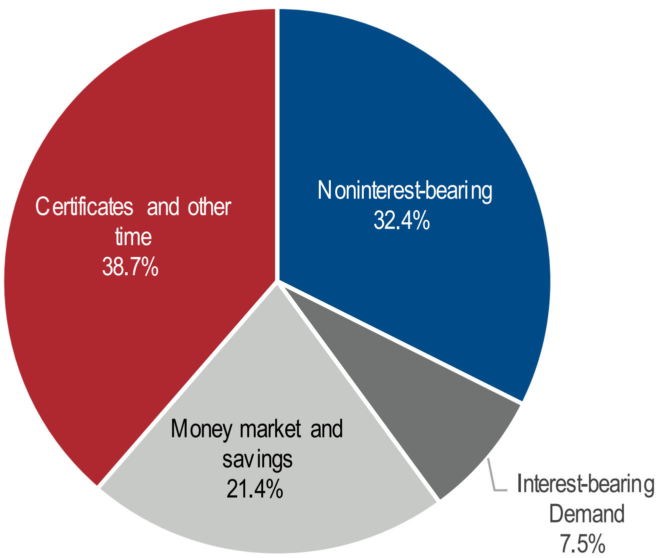


(1) *Annualized*

Deposit Growth and Composition

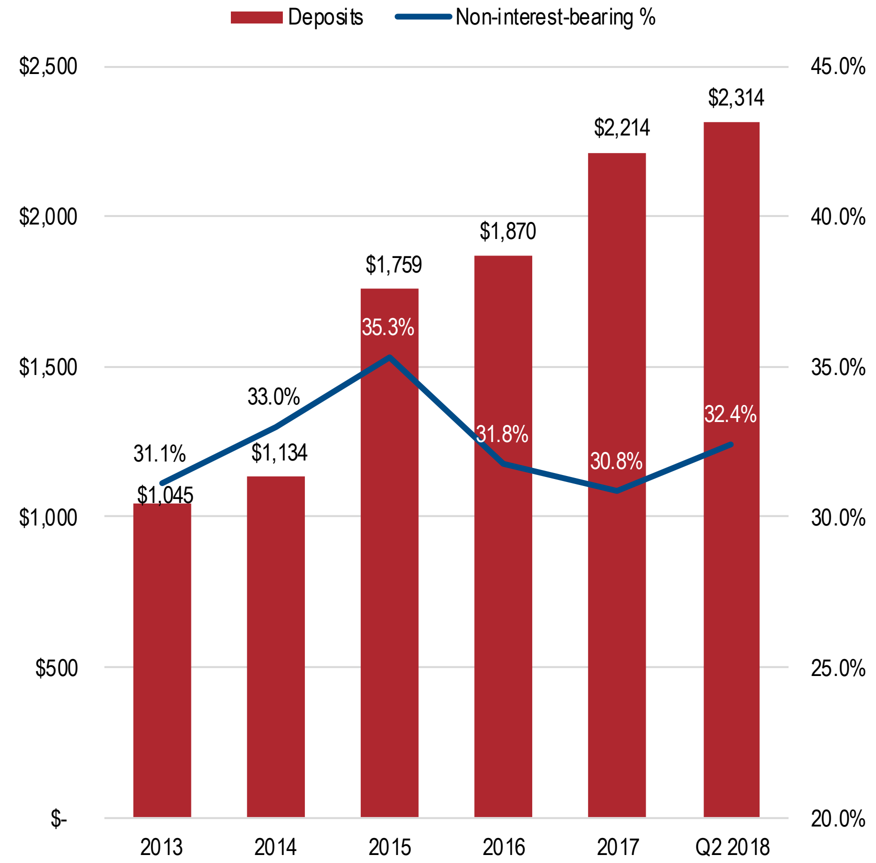
Deposit Composition

(as of June 30, 2018)



Deposit Growth

($ in millions)



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