PROSPERITY BANCSHARES, INC.®

Investor Presentation

Third Quarter 2026

Cautionary Note on Forward Looking Statements

"Safe Harbor" Statement under the Private Securities Litigation Reform Act of 1995: This presentation contains, and the remarks by Prosperity's management on the conference call may contain, forward-looking statements within the meaning of the federal securities laws, including Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. From time to time, oral or written forward-looking statements may also be included in other information released to the public. Such forward-looking statements are typically, but not exclusively, identified by the use in the statements of words or phrases such as "aim," "anticipate," "believe," "estimate," "expect," "goal," "guidance," "intend," "is anticipated," "is expected," "is intended," "objective," "plan," "projected," "projection," "will affect," "will be," "will continue," "will decrease," "will grow," "will impact," "will increase," "will incur," "will reduce," "will remain," "will result," "would be," variations of such words or phrases (including where the word "could," "may," or "would" is used rather than the word "will" in a phrase) and similar words and phrases indicating that the statement addresses some future result, occurrence, plan or objective. Forward-looking statements include all statements other than statements of historical fact, including forecasts or trends, and are based on current expectations, assumptions, estimates and projections about Prosperity Bancshares and its subsidiaries. These forward-looking statements may include information about Prosperity's possible or assumed future economic performance or future results of operations, including future revenues, income, expenses, provision for credit losses, provision for taxes, effective tax rate, earnings per share and cash flows and Prosperity's future capital expenditures and dividends, future financial condition and changes therein, including changes in Prosperity's loan portfolio and allowance for credit losses, changes in deposits, borrowings and the investment securities portfolio, future capital structure or changes therein, as well as the plans and objectives of management for Prosperity's future operations, future or proposed acquisitions, the future or expected effect of acquisitions on Prosperity's operations, results of operations, financial condition, and future economic performance, statements about the anticipated benefits of any proposed transactions, and statements about the assumptions underlying any such statement. These forward-looking statements are not guarantees of future performance and are based on expectations and assumptions Prosperity currently believes to be valid. Because forward-looking statements relate to future results and occurrences, many of which are outside of Prosperity's control, they are subject to inherent uncertainties, risks and changes in circumstances that are difficult to predict. These risks and uncertainties include, but are not limited to, whether Prosperity can: successfully identify acquisition targets and integrate the businesses of acquired companies and banks; continue to sustain its current internal growth rate or total growth rate; provide products and services that appeal to its customers; continue to have access to debt and equity capital markets; and achieve its sales objectives. Other risks include, but are not limited to: the possibility that credit quality could deteriorate; actions of competitors; changes in laws and regulations (including changes in governmental interpretations of regulations and changes in accounting standards); the possibility that the anticipated benefits of an acquisition transaction are not realized when expected or at all, including as a result of the impact of, or problems arising from, the integration of two companies or as a result of the strength of the economy and competitive factors generally; a deterioration or downgrade in the credit quality and credit agency ratings of the securities in Prosperity's securities portfolio; customer and consumer demand, including customer and consumer response to marketing; effectiveness of spending, investments or programs; fluctuations in the cost and availability of supply chain resources; economic conditions, including currency rate, interest rate and commodity price fluctuations; changes in trade policies by the United States or other countries, such as tariffs or retaliatory tariffs; and the effect, impact, potential duration or other implications of weather and climate-related events. Prosperity disclaims any obligation to update such factors or to publicly announce the results of any revisions to any of the forward-looking statements included herein to reflect future events or developments. These and various other factors are discussed in Prosperity's Annual Report on Form 10-K for the year ended December 31, 2025, and other reports and statements Prosperity has filed with the Securities and Exchange Commission ("SEC"). Copies of the SEC filings for Prosperity may be downloaded from the Internet at no charge from http://www.prosperitybankusa.com.

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Third Quarter Highlights

- Net income of $141.5 million, or $200.8 million excluding merger related expenses and non-recurring items[(1)], representing an increase of 45.9% compared with third quarter 2025
- Earnings per share (diluted) of $1.18, or $1.67 excluding merger related expenses and non-recurring items[(1)], representing an increase of 15.2% compared with third quarter 2025
- Third quarter net interest margin increased 26 basis points to 3.73% compared to second quarter 2026 and 49 basis points compared to third quarter 2025
- Assets of $54.1 billion, total loans of $32.1 billion, and deposits of $41.2 billion at September 30, 2026
- Common equity tier 1 ratio of 13.46% and leverage ratio of 9.85% at September 30, 2026
- Sound asset quality with annualized net charge-offs / quarterly average loans of 0.05%
- Nonperforming assets to average earnings assets remain low at 0.41%
- Allowance for credit losses on loans and off-balance sheet credit exposures of $629.6 million and allowance for credit losses on loans to total loans, excluding Warehouse Purchase Program, of 1.91%
- Increased cash dividend 6.7% to $0.64 per share for the fourth quarter of 2026, representing the 23rd consecutive annual increase with a compound annual growth rate of 10.4% since 2003
- Repurchased approximately 457 thousand shares of common stock in the third quarter 2026, and 1.5 million shares for the year to date ended on September 30, 2026
- Completed the merger of Stellar Bancorp, Inc. on July 1, 2026
- Successfully completed the operational integration for American Bank on September 14, 2026

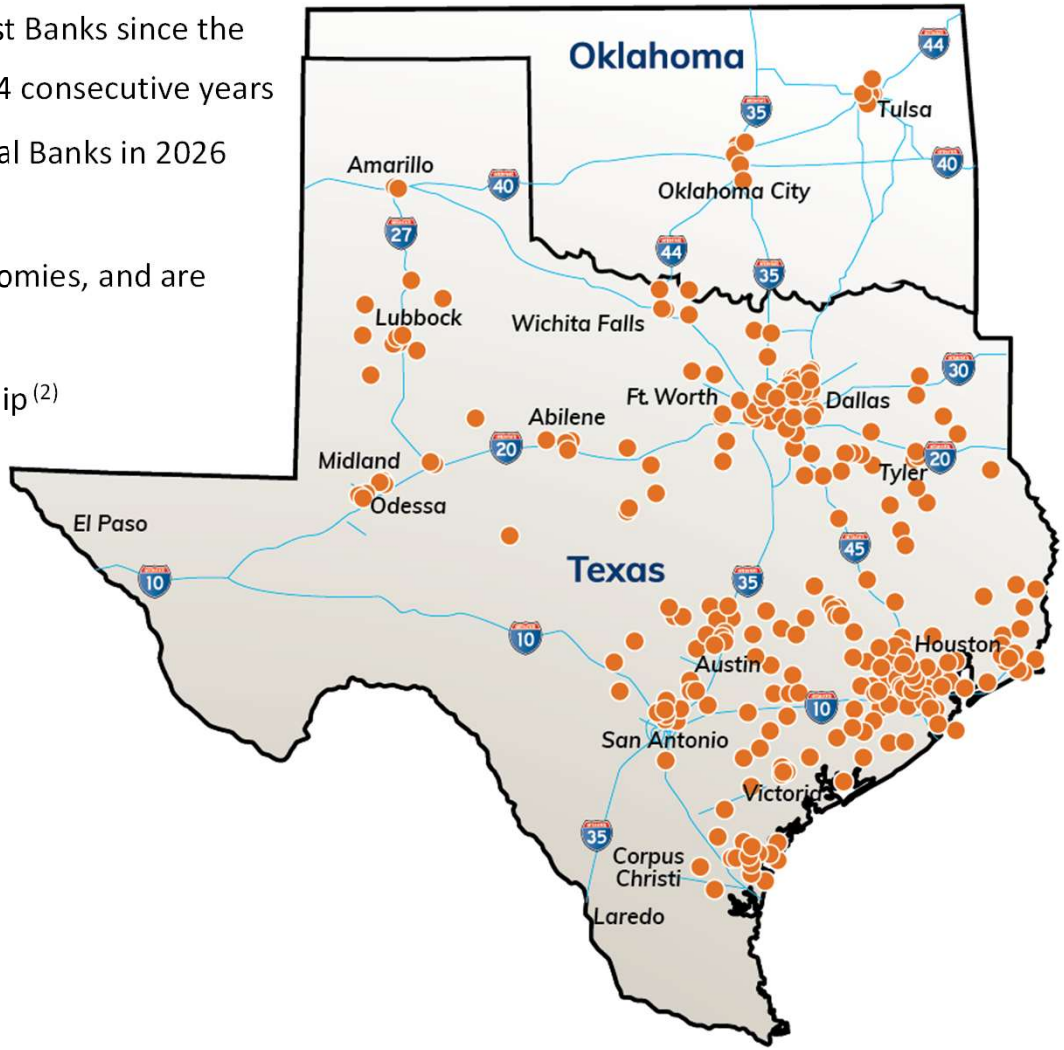
Source: Company Documents

I1) Adjusted net income and earnings per share exclude merger related expenses, a one-time out of state tax settlement, and gain on Visa Class B-2 stock exchange net of investment securities sales

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Strong Presence in Texas and Oklahoma

- A Texas-based financial holding company with $54.1 billion in total assets
- Prosperity has been ranked as one of Forbes America's Best Banks since the list's inception in 2010, and was ranked in the Top 10 for 14 consecutive years
- Recognized by Newsweek as one of America's Best Regional Banks in 2026
- Ranked #2 in deposit market share in Texas (1)
- Texas and Oklahoma continue to benefit from strong economies, and are home to 62 Fortune 500 headquartered companies
- Shareholder driven with 4.0% fully diluted insider ownership (2)
- Successful completion of 48 acquisitions (whole bank, branch and failed bank transactions)



352 Full-Service Locations (3)

15	in Bryan/College Station Area
6	in Central Oklahoma Area
30	in Central Texas Area
61	in Dallas/Fort Worth Area
20	in East Texas Area
113	in Houston Area
14	In San Antonio Area
40	in South Texas Area
8	in Tulsa Area
45	in West Texas Area

(1) Per FDIC; Includes Texas headquartered commercial banks; Shown pro-forma for the recently completed acquisitions of American Bank Holding Company and Southwest Bancshares, Inc.; Deposits as of 6/30/2026

(2) Per proxy statement (Form DEF 14A) filed on 3/16/2026

(3) Includes 11 locations doing business as Texas Partners Bank and 52 doing business as Stellar Bank

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Balance Sheet Summary

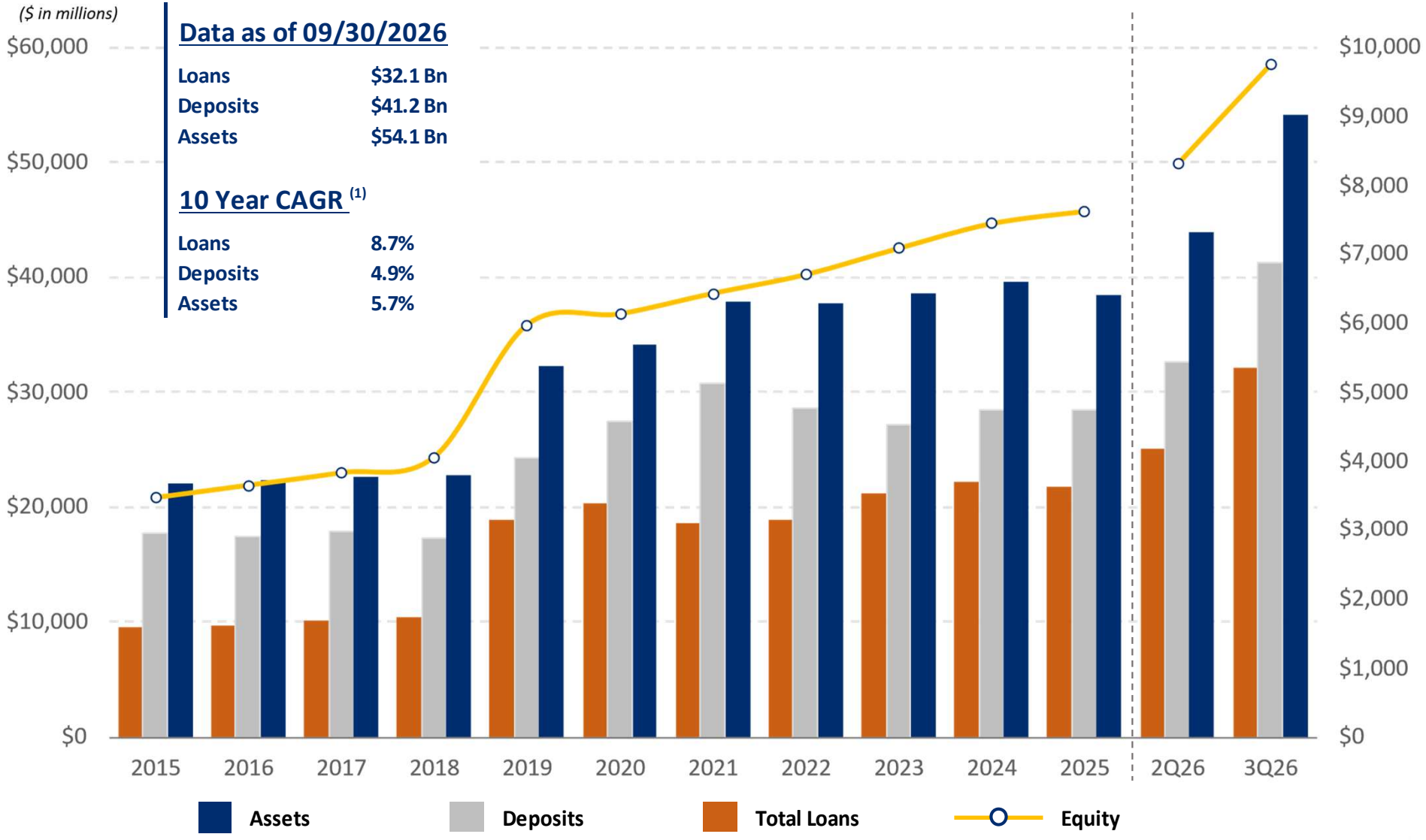
($ in millions)

Data as of 09/30/2026

Loans	$32.1 Bn
Deposits	$41.2 Bn
Assets	$54.1 Bn

10 Year CAGR [1]

Loans	8.7%
Deposits	4.9%
Assets	5.7%

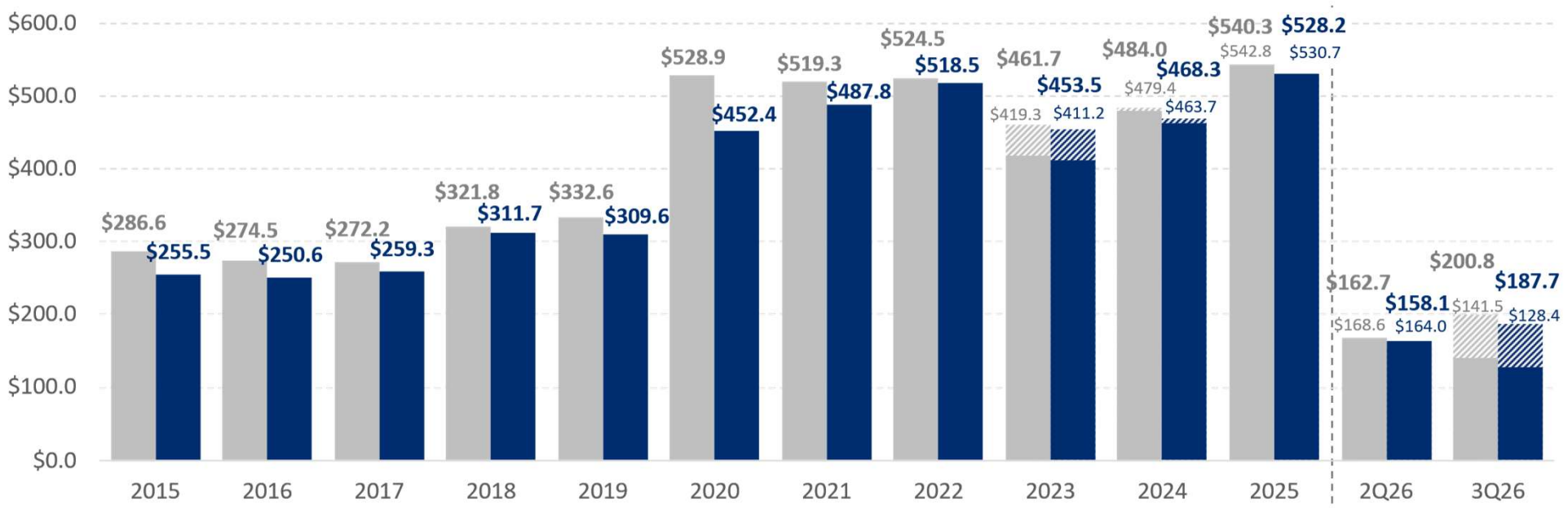


Source: Company Documents

(1) Represents the Compound Annual Growth Rate from 12/31/2015 – 12/31/2025

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Net Income



Note: Net income includes the following ($ in thousands)

Provision for Credit Losses	*$7,560*	*$24,000*	*$14,325*	*$16,350*	*$4,300*	*$20,000*	*-*	*-*	*$18,540*	*$9,066*	*-*	*—*	*—*
Loan Discount Accretion	*$52,122*	*$38,970*	*$21,906*	*$13,909*	*$28,045*	*$91,341*	*$39,278*	*$7,401*	*$5,566*	*$17,490*	*$12,402*	*$4,005*	*$11,633*

Net Income

Net Income (Excluding Non-Recurring Charges) (1)

Net Income (Excluding Purchase Accounting Adjustments)

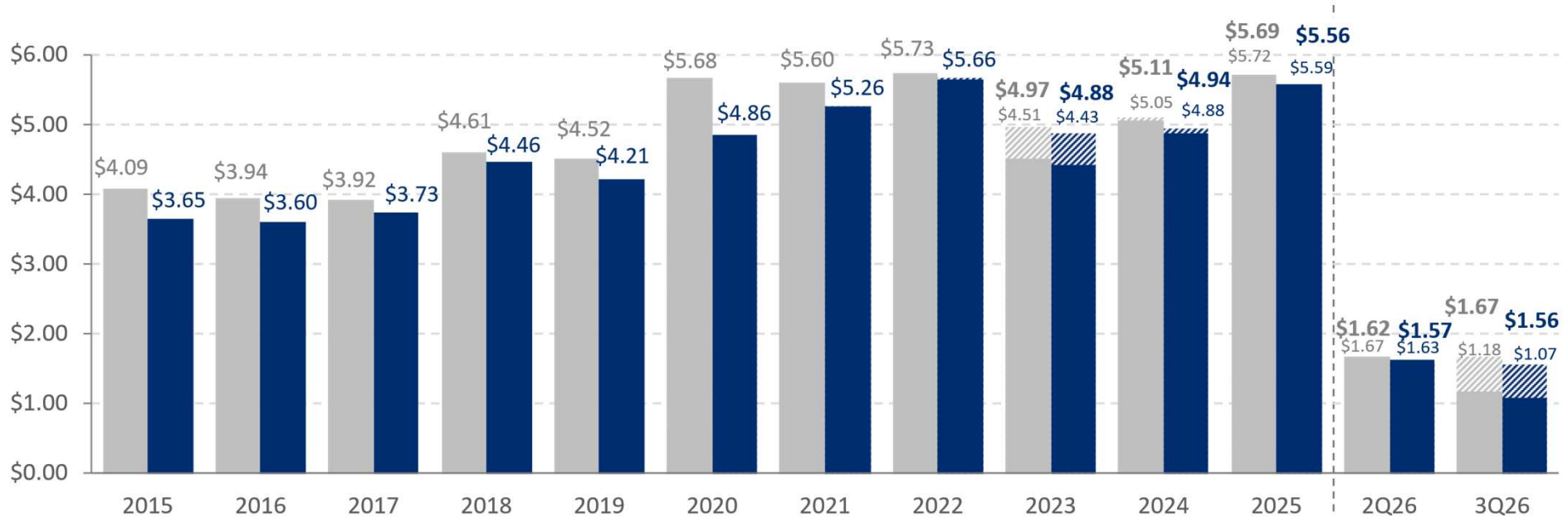
Net Income (Excluding PAA and Non-Recurring Charges) (1)

Source: Company Documents

(1) Excludes after-tax merger related provision and expenses related to recent acquisitions, one-time out of state tax settlement, gain on Visa Class B-1 and B-2 stock exchanges, net of investment securities sales and FDIC special assessments

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Earnings Per Share



Note: Net income includes the following ($ in thousands)

Provision for Credit Losses	*$7,560*	*$24,000*	*$14,325*	*$16,350*	*$4,300*	*$20,000*	*-*	*-*	*$18,540*	*$9,066*	*-*	*—*	*—*
Loan Discount Accretion	*$52,122*	*$38,970*	*$21,906*	*$13,909*	*$28,045*	*$91,341*	*$39,278*	*$7,401*	*$5,566*	*$17,490*	*$12,402*	*$4,005*	*$11,633*

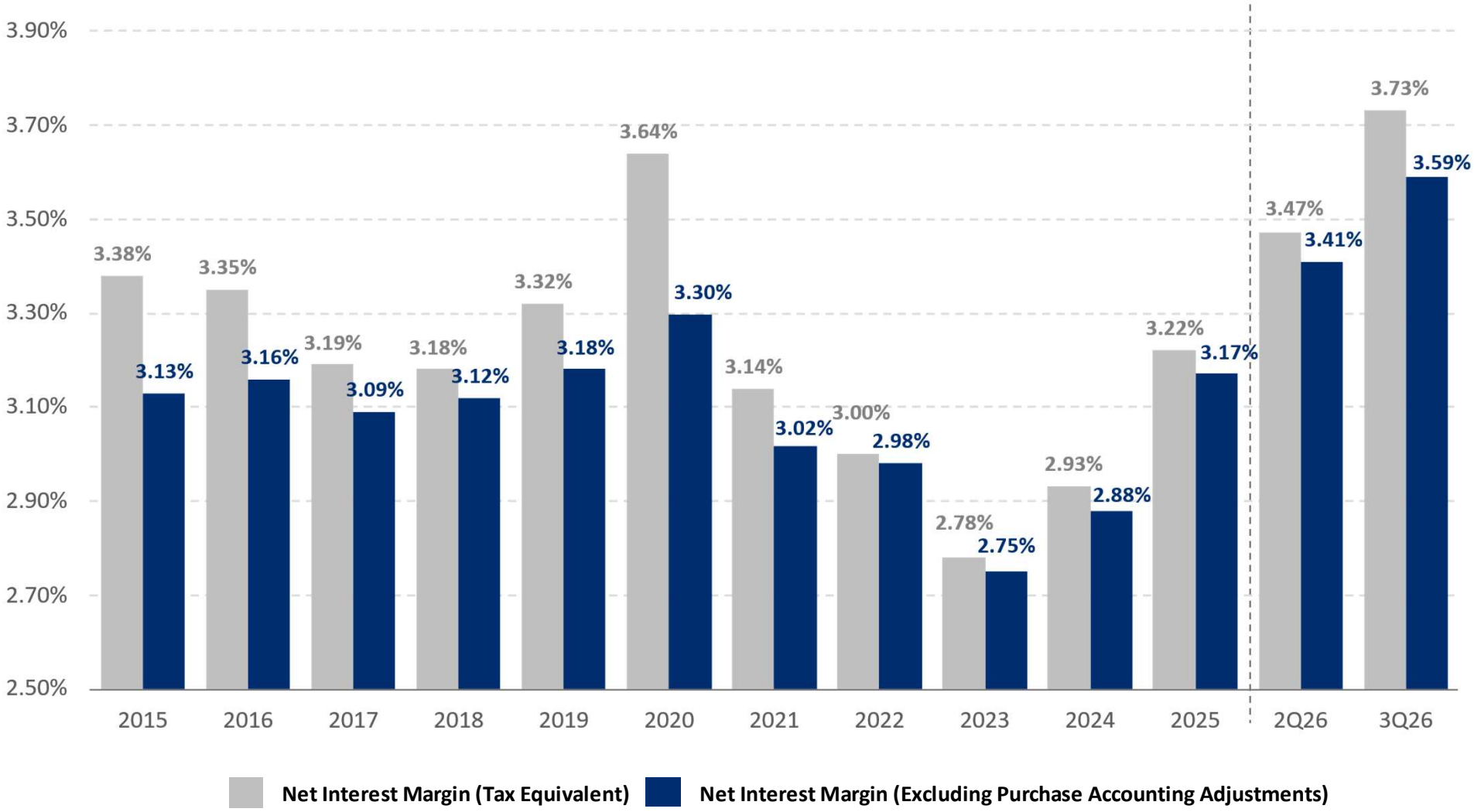
EPS
EPS (Excluding Non-Recurring Charges)(1)
Core EPS (Excluding Purchase Accounting Adjustments)
Core EPS (Excluding PAA and Non-Recurring Charges)(1)

Source: Company Documents

(1) *Excludes after-tax merger related provision and expenses related to recent acquisitions, one-time out of state tax settlement, gain on Visa Class B-1 and B-2 stock exchanges, net of investment securities sales and FDIC special assessments*

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Net Interest Margin

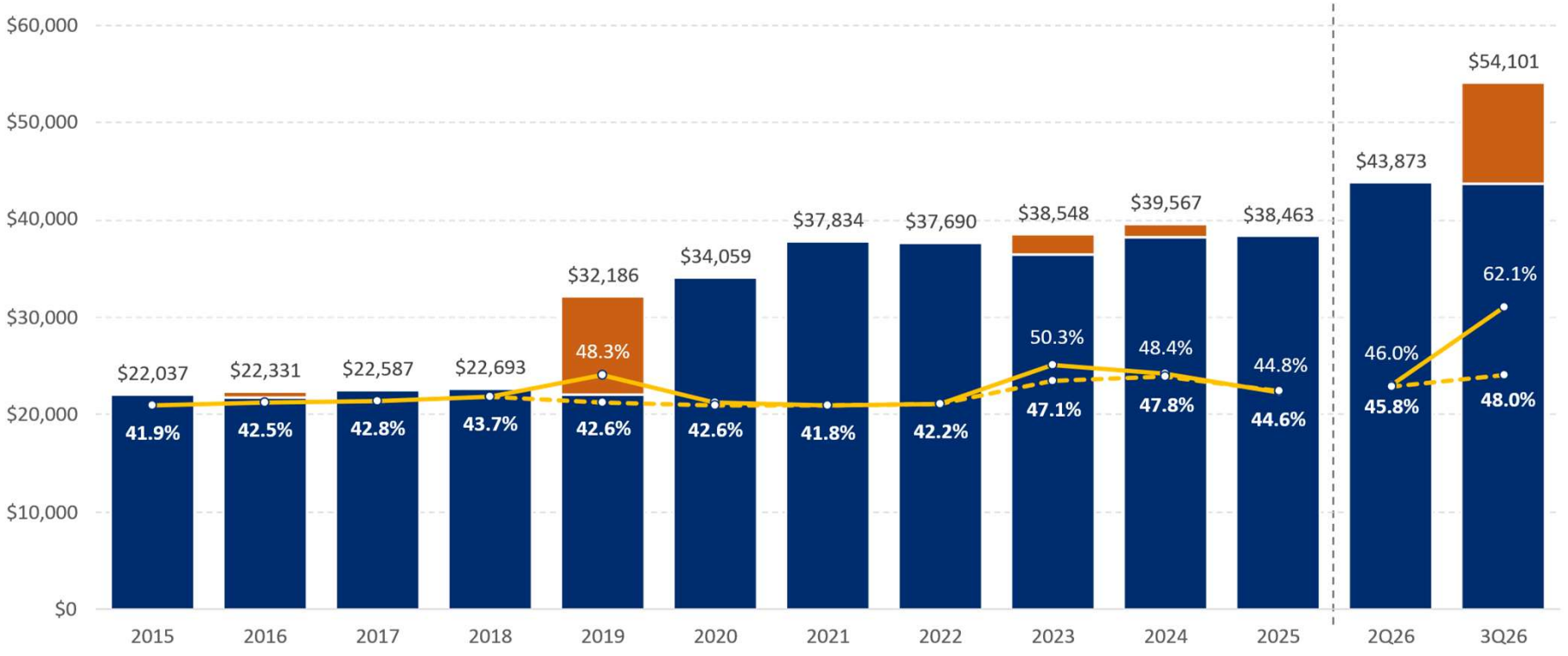


Source: Company Documents

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Acquisitions & Efficiency Ratio

($'s in millions)



% of Assets Acquired	*0.0%*	*2.5%*	*0.0%*	*0.0%*	*31.3%*	*0.0%*	*0.0%*	*0.0%*	*5.5%*	*3.5%*	*0.0%*	*0.0%*	*19.2%*

Total Assets Excluding Acquisitions | **Total Assets Acquired** [1] | **Efficiency Ratio** [2] | **Efficiency Ratio (Excluding Non-Recurring Charges)** [3]

Source: Company Documents

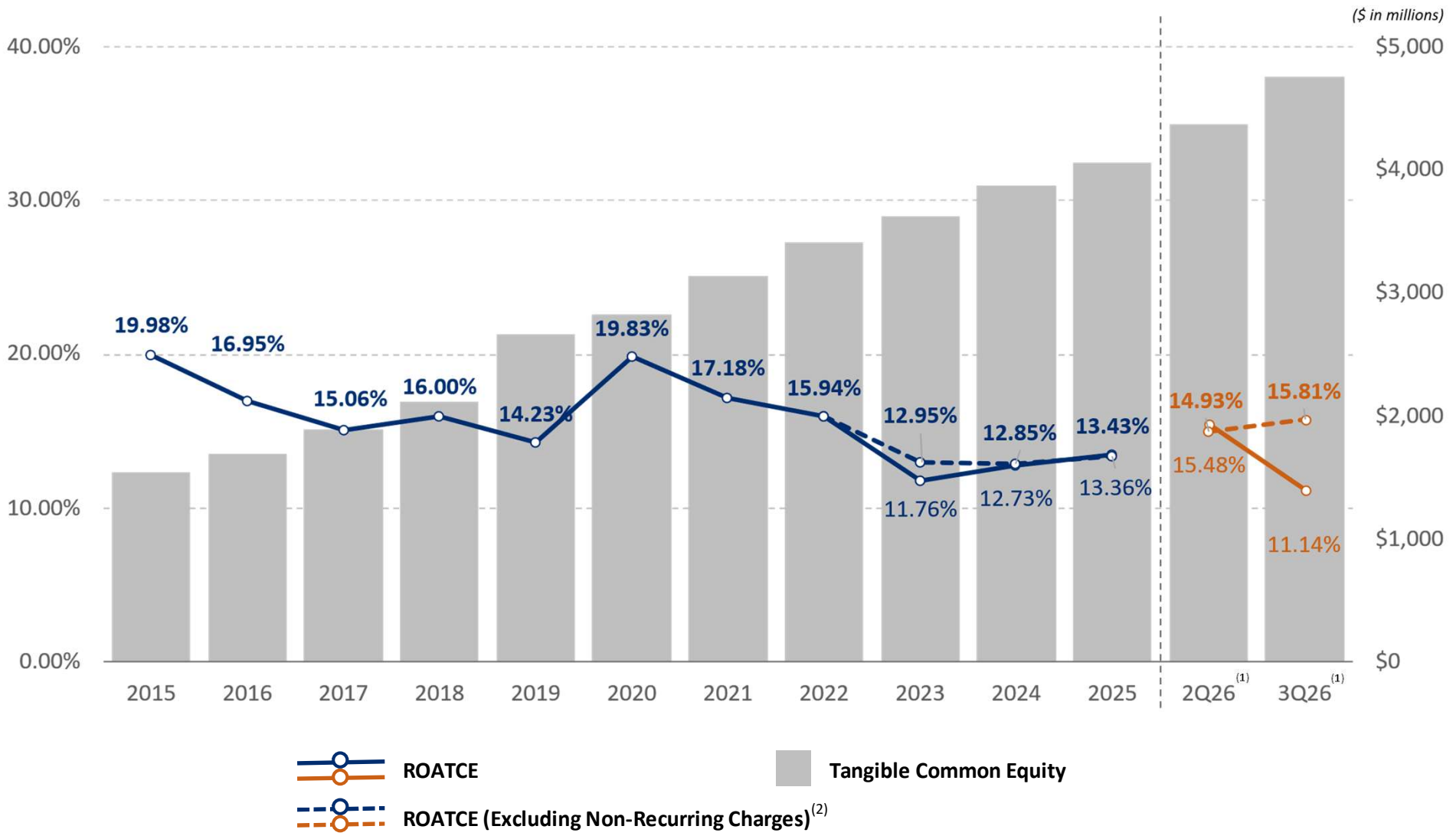
(1) Representative of target assets at closing

(2) Calculated by dividing total noninterest expense, excluding credit loss provisions, by net interest income plus noninterest income, excluding net gains and losses on the sale or write down of assets and securities. Additionally, taxes are not part of this calculation.

(3) Excludes after-tax merger related provision and expenses related to recent acquisitions, one-time out of state tax settlement, gain on Visa Class B-1 and B-2 stock exchanges, net of investment securities sales and FDIC special assessments

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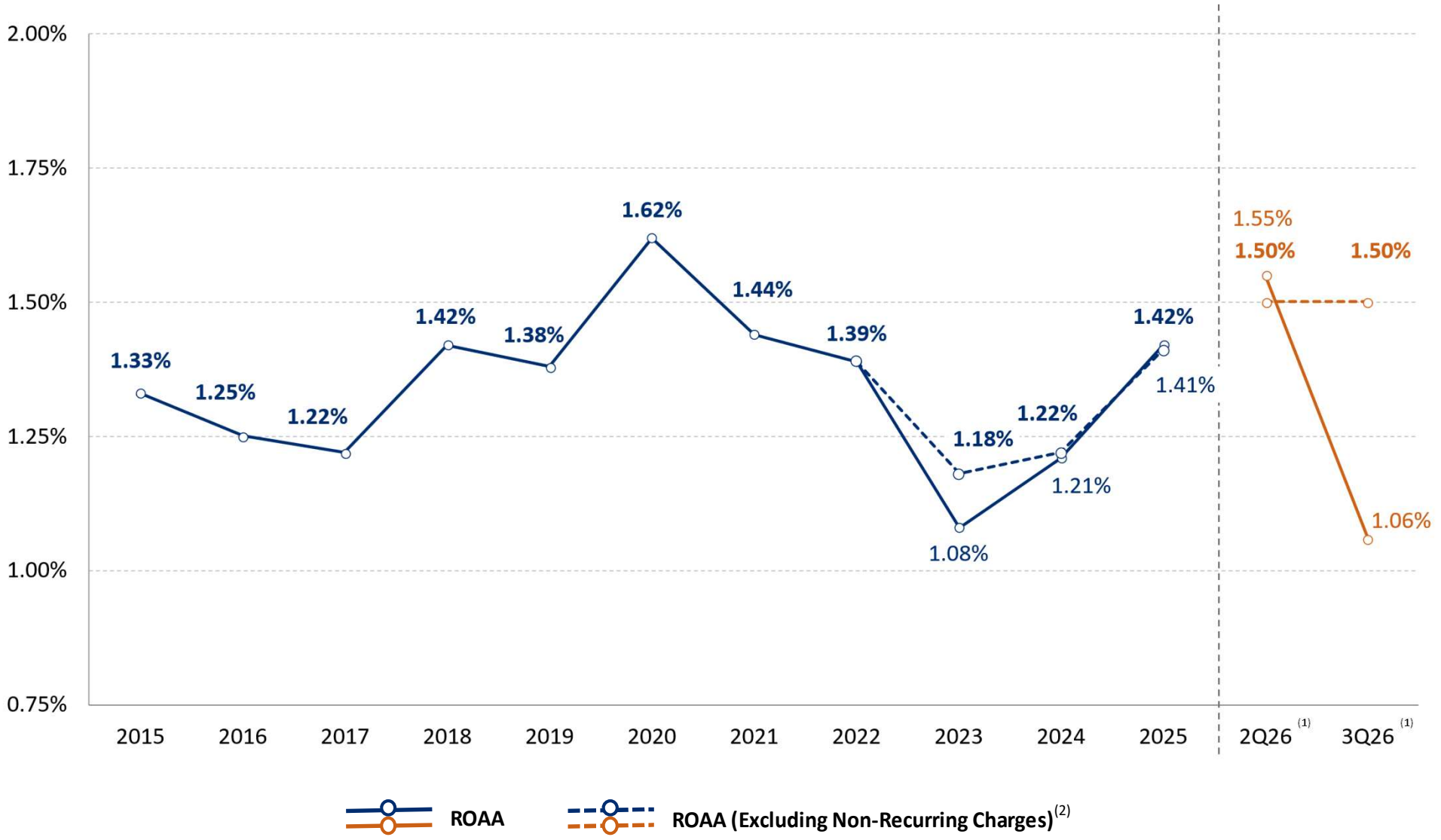
Return on Average Tangible Common Equity



(1) *Interim periods shown on an annualized basis*
(2) *Excludes after-tax merger related provision and expenses related to recent acquisitions, one-time out of state tax settlement, gain on Visa Class B-1 and B-2 stock exchanges, net of investment securities sales and FDIC special assessments*

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Return on Average Assets

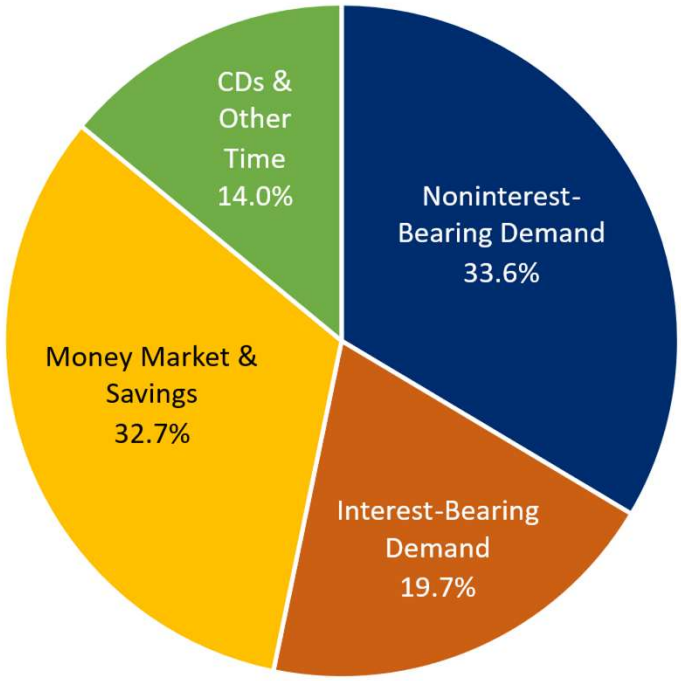


(1) *Interim periods shown on an annualized basis*
(2) *Excludes after-tax merger related provision and expenses related to recent acquisitions, one-time out of state tax settlement, gain on Visa Class B-1 and B-2 stock exchanges, net of investment securities sales and FDIC special assessments*

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Deposit Composition

As of September 30, 2026
($ in millions)



Noninterest-Bearing Demand	$13,841	0.00%
Interest-Bearing Demand	$8,111	1.40%
Money Market & Savings	$13,500	2.06%
CDs & Other Time	$5,779	3.10%

Total Deposits: $41.2Bn

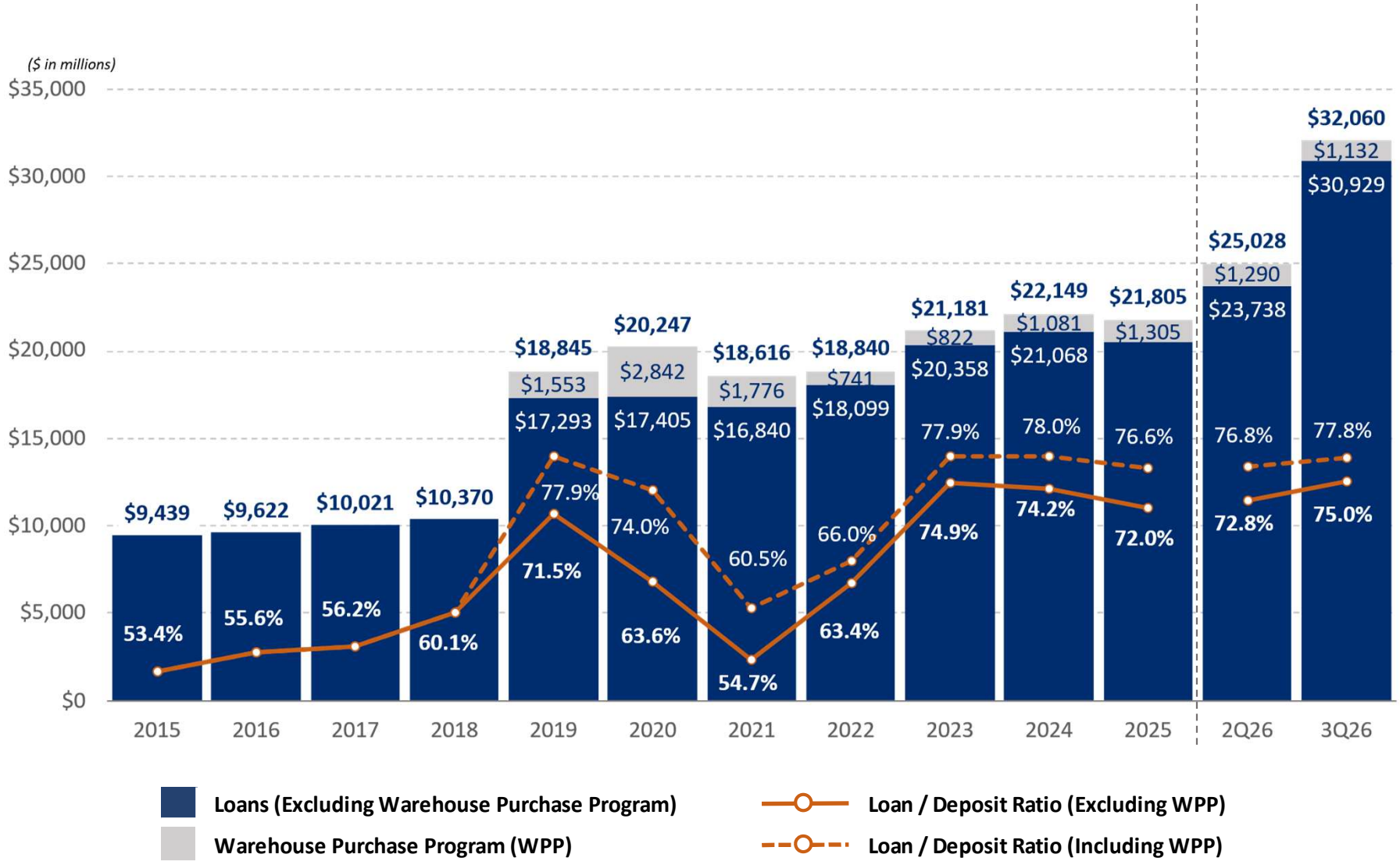
Total Cost of Deposits: 1.39% (1)

Cost of Interest-Bearing Deposits: 2.09% (1)

Source: Company Documents
(1) Data for the three months ended September 30, 2026

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Loan Growth



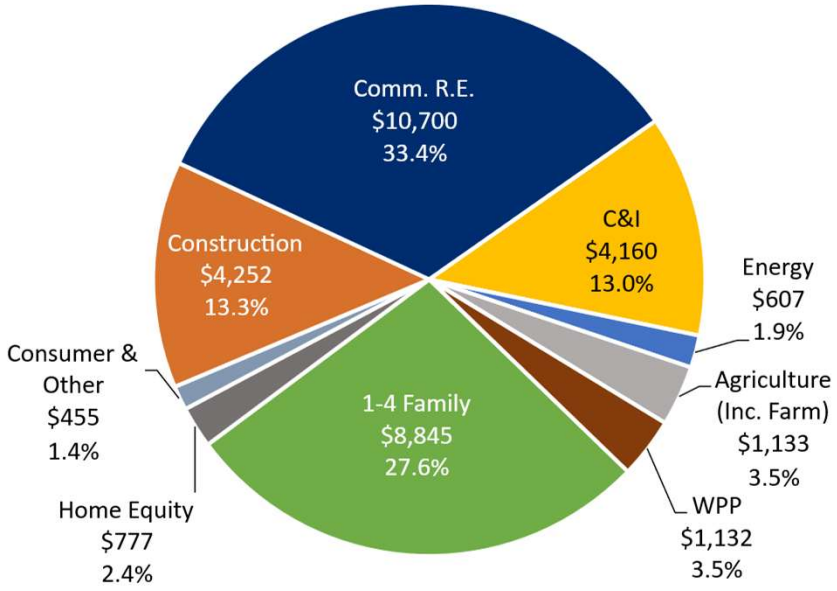
Source: Company Documents

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Loan Portfolio Overview

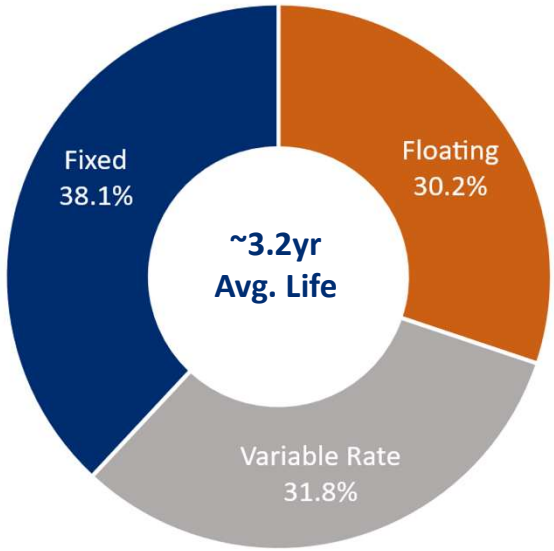
As of September 30, 2026
($ in millions)

Loan Portfolio by Category & Geography



Loans By Area	Amount[2][4]	% of Total
Bryan / College Station	$986	3.2%
Central Oklahoma	$606	2.0%
Central Texas	$3,102	10.1%
Dallas / Ft. Worth	$6,307	20.5%
East Texas	$796	2.6%
Houston	$11,893	38.6%
San Antonio	$1,860	6.0%
South Texas	$2,367	7.7%
Tulsa	$512	1.7%
West Texas	$2,366	7.7%

Loans by Rate Structure



Total Loans: $32.1Bn
Loans HFI (Excl. WPP): $30.9Bn

Yield on Total Loans: 6.08% (1)
Yield on Loans HFI (Excl. WPP): 6.09% (1)
Core Yield on Loans HFI (Excl. WPP): 6.01% (1)(3)

Source: Company Documents
(1) Data for the three months ended September 30, 2026
(2) Excludes $110 million in loans assigned to the Corporate Group
(3) Core yield excludes purchase accounting adjustments
(4) Excludes Warehouse Purchase Program (WPP) loans

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Loan Portfolio Detail

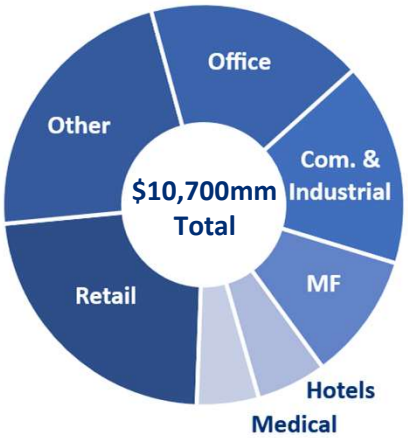
As of September 30, 2026
($ in millions)

Portfolio Commentary

- Loan portfolio is diversified across the Bank's market areas and by underlying collateral type
- CRE and construction loans conservatively underwritten to cost of collateral
- 41% of commercial real estate is owner occupied

Commercial Real Estate Detail

($ in millions)

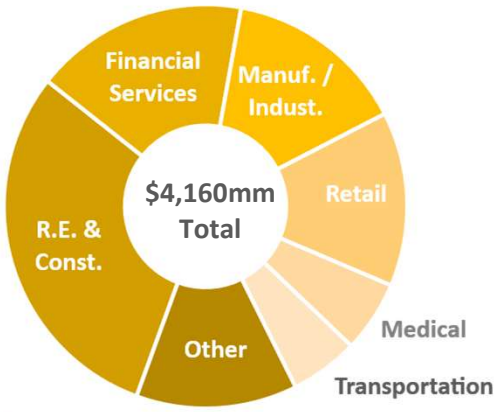


Retail	$2,454	23%
Other	$2,386	22%
Office	$1,877	18%
Industrial	$1,752	16%
Multifamily (MF)	$1,096	10%
Hotels	$602	6%
Medical	$533	5%

Note: Average CRE loan balance outstanding equal to $1.2 million

C&I Detail (Excluding Energy Loans)

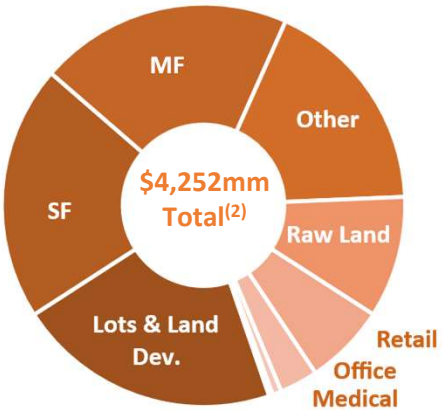
($ in millions)



R.E. & Const.	$1,251	30%
Financial Services	$714	17%
Manuf. / Indust.	$606	15%
Retail	$581	14%
Medical	$239	6%
Transportation	$228	5%
Other [1]	$537	13%

Construction Detail

($ in millions)



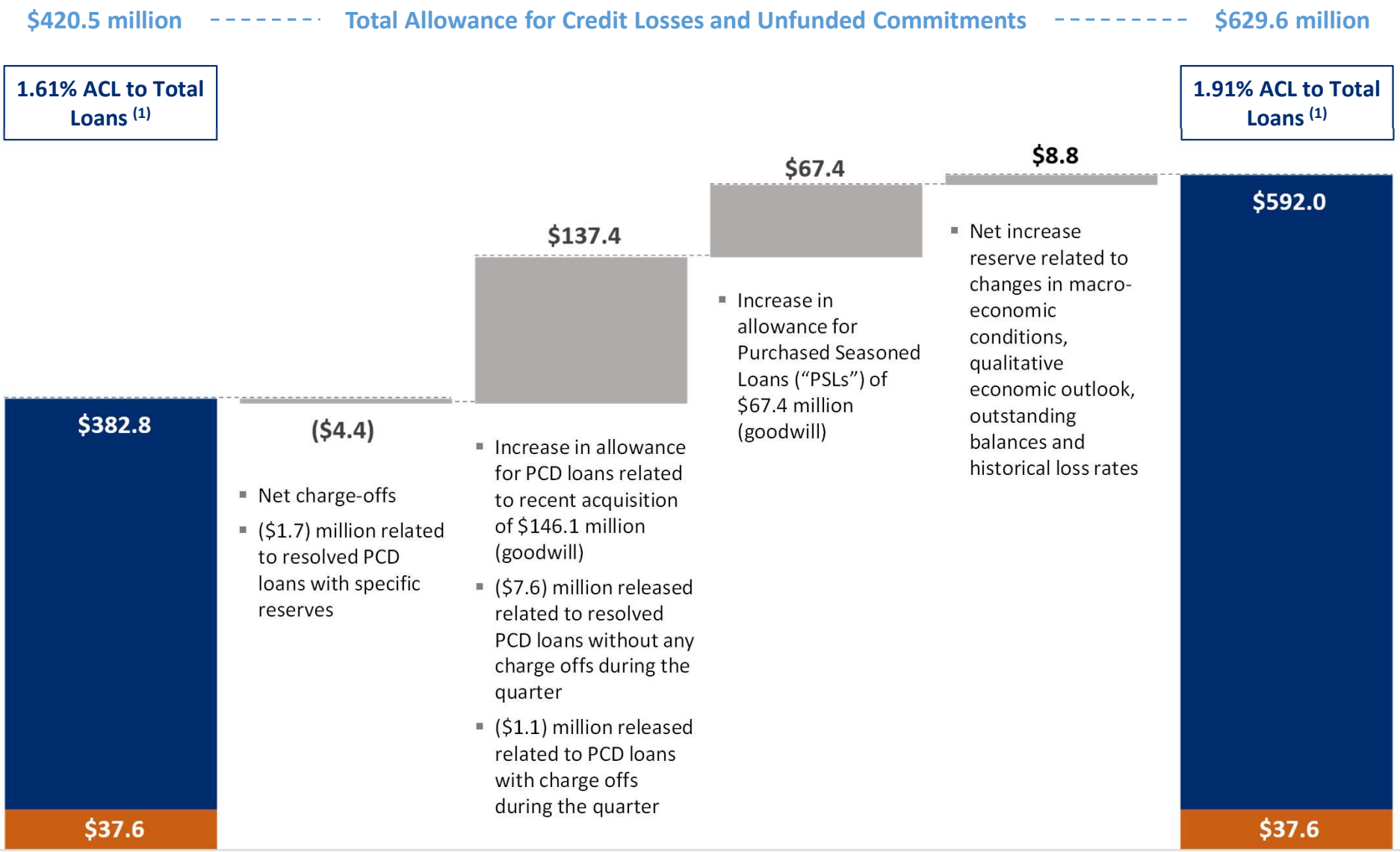
Lots & Land Dev.	$900	21%
Single Family (SF)	$871	20%
Multifamily (MF)	$863	20%
Other	$751	18%
Raw Land	$415	10%
Retail	$278	7%
Office	$131	3%
Medical	$31	1%
Hotels	$13	0%

Source: Company Documents
(1) Includes State & Political loans
(2) Total includes a net unaccreted discount of $4.8 million not shown in graph

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Changes to Allowance for Credit Losses

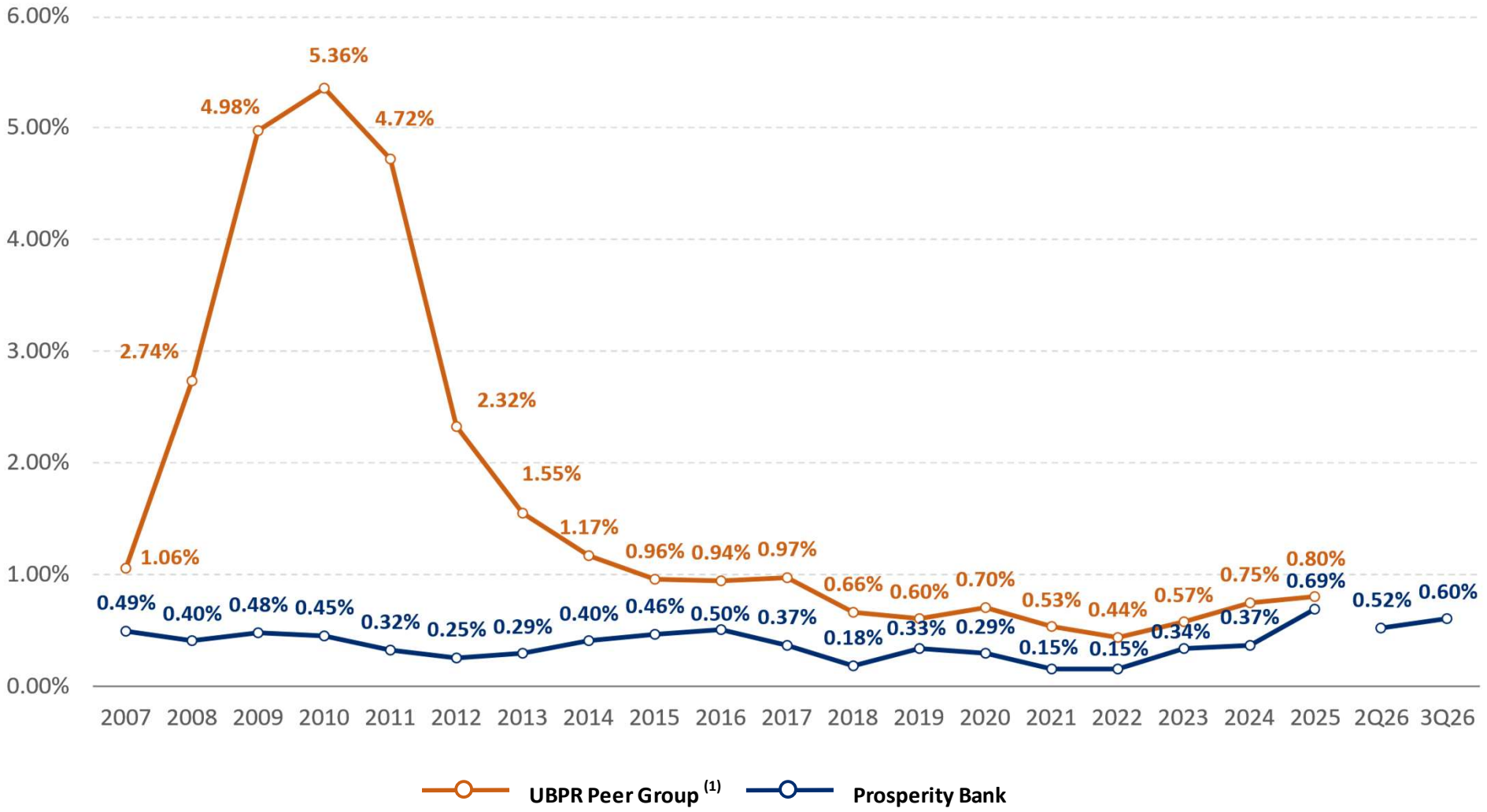
($ in millions)



(1) *Excludes Warehouse Purchase Program (WPP) loans*

Asset Quality

NPAs / Loans + OREO

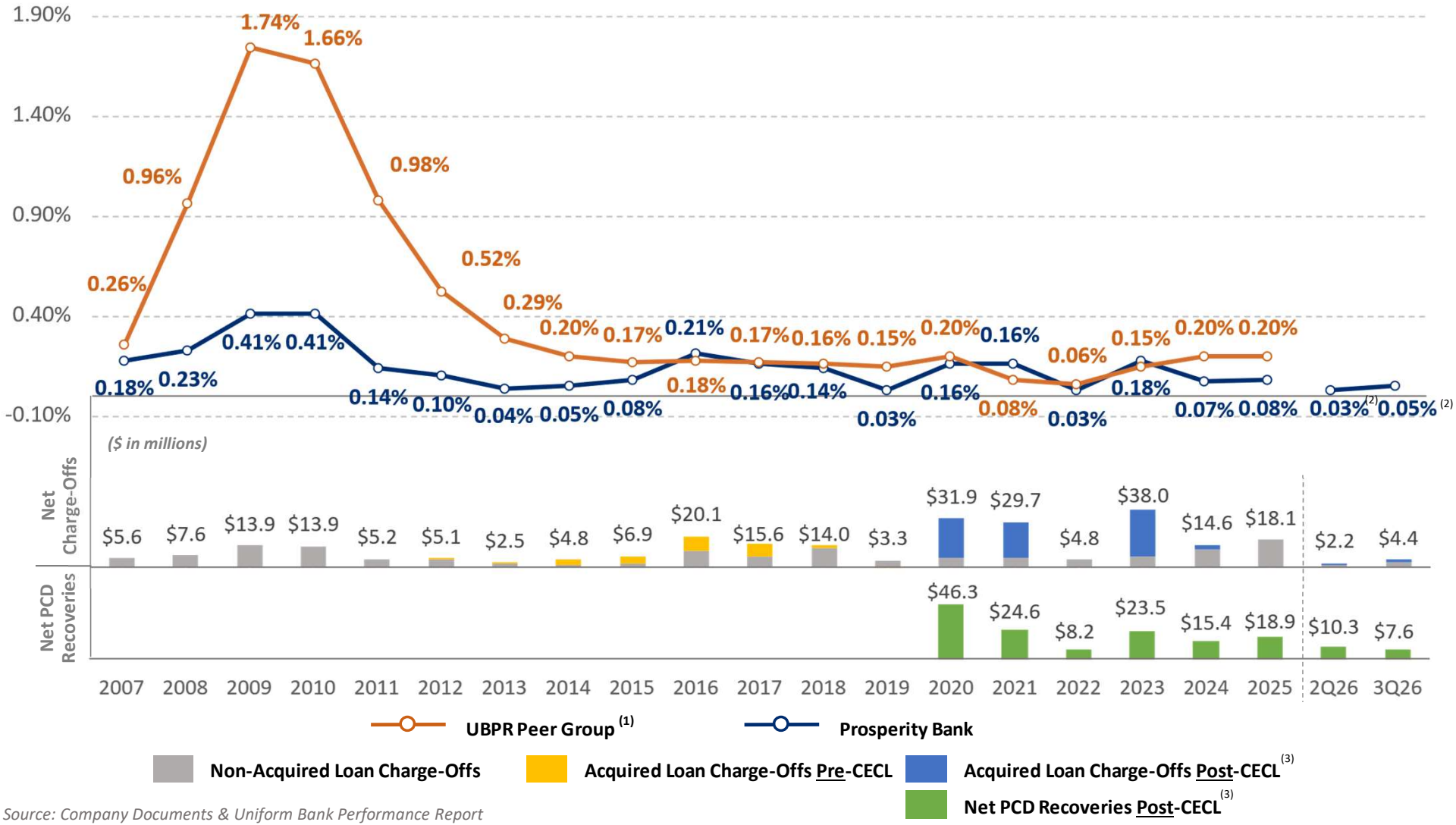


Source: Company Documents & Uniform Bank Performance Report
Note: NPAs include loans past due 90 days and still accruing
(1) UBPR = Uniform Bank Performance Report; Peer Group 2 (110 banks) – Insured commercial banks having assets between $10 billion and $100 billion

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Asset Quality

Net Charge-Offs / Average Loans



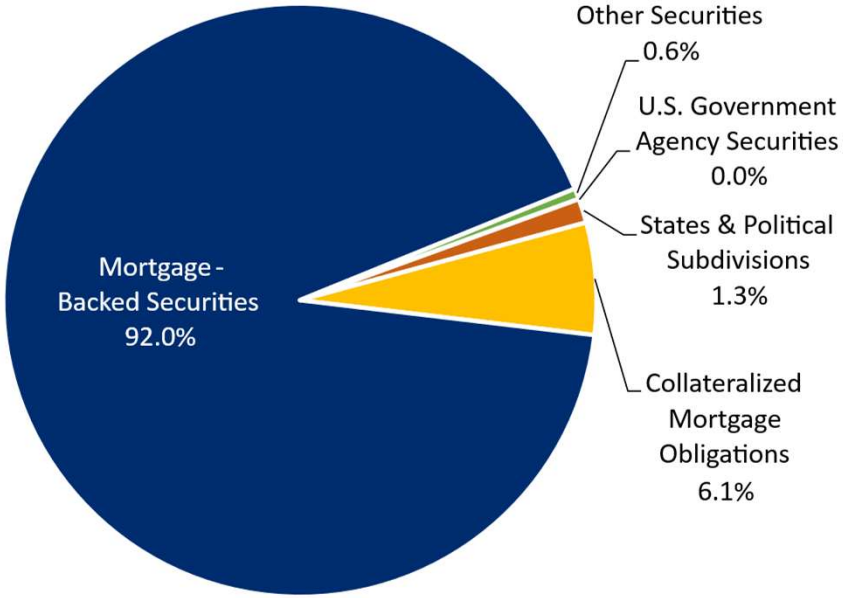
Source: Company Documents & Uniform Bank Performance Report
Note: NPAs include loans past due 90 days and still accruing

(1) *UBPR = Uniform Bank Performance Report; Peer Group 2 (110 banks) – Insured commercial banks having assets between $10 billion and $100 billion*
(2) *Interim period net charge-off ratios shown on an annualized basis*
(3) *Reflects all charge-offs and recoveries on acquired loans in accordance with CECL accounting practices; Prior to the adoption of CECL in the first quarter of 2020, PCD loans were classified as Purchased Credit Impaired (PCI) loans and their assigned fair-value marks were netted against the outstanding loan balance with a charge-off only being recorded when the loss exceeded the amount of fair-value marks remaining.*

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Securities Portfolio Detail

As of September 30, 2026
($ in millions)



	$mm
Mortgage-Backed Securities	$12,549
Collateralized Mortgage Obligations	$833
States & Political Subdivisions	$179
Other Securities	$79
U.S. Government Agency Securities	$2

96.3% Held to Maturity
3.7% Available for Sale

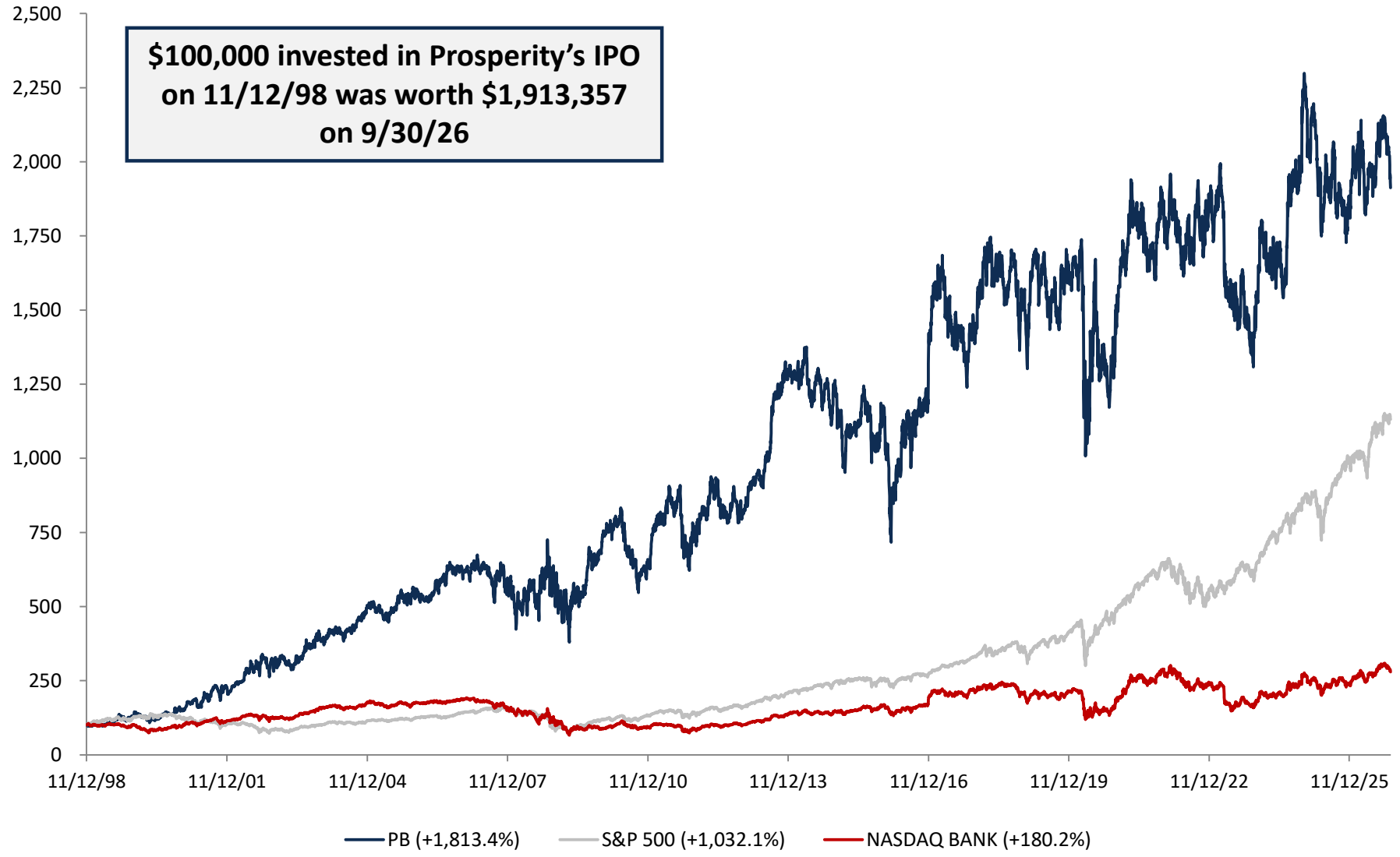
Total Securities: $13.6Bn
Yield on Securities: 2.92% (1)
Duration: 3.86 (2)
Avg. Yearly Cash Flow: ~$2.2Bn

Source: Company Documents
(1) Data for the three months ended September 30, 2026
(2) Modified duration shown; Weighted average life equal to 4.7 years

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Total Return Performance

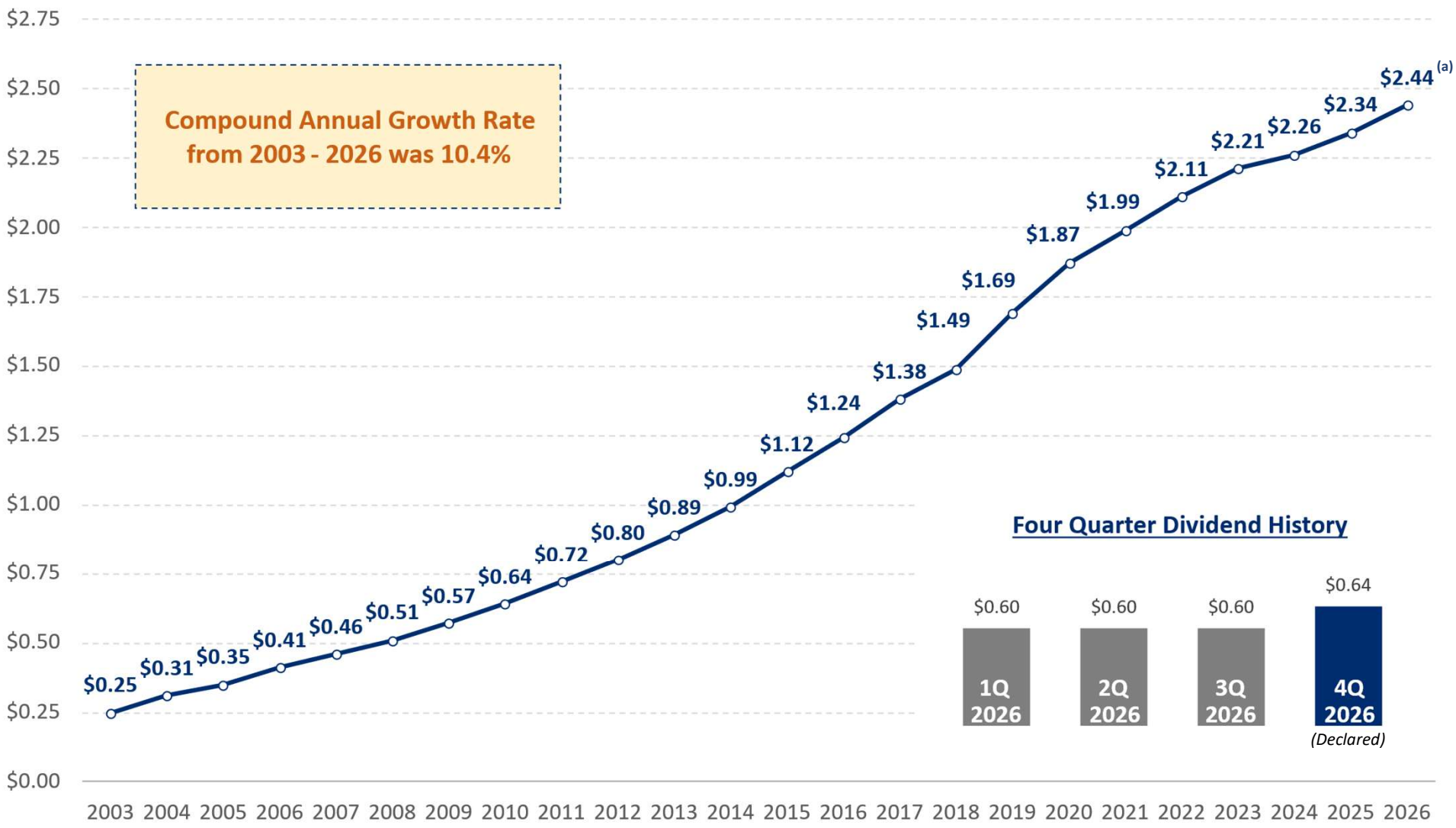
IPO (November 12, 1998) to September 30, 2026



Source: Market data as of 9/30/2026.

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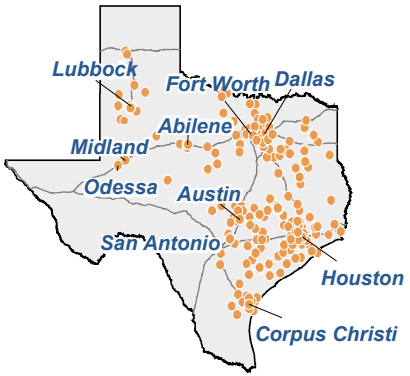
Dividend History



(a) *2026 dividend consists of $0.60 per share paid in Q1 2026, 2Q 2026, 3Q 2026 and $0.64 per share declared in 4Q 2026*

Presence in Fast-Growing Markets

Positioned in Strong Markets



- Texas led all states for job creation, adding 154,300 jobs over the 12 months ended September 2026, an annual growth rate of 1.1% that outpaced the national rate of 0.3%
- Texas ranked second in Area Development's 2026 Top States for Doing Business
- Employment in the Professional & Business Services sector increased 3.3% year-over-year as of September 2026, as compared to the national growth rate of 0.6%



- Oklahoma's annual state revenue for the 12 months ended September 2026 reached a record $18.18 billion, up 7.1% year-over-year and marking thirteen consecutive months of growth
- As of September 2026, employment in the Education & Health services sector was up 3.1% year-over-year, as compared to national levels of 1.9%

Top 15 Fastest Growing MSAs in the U.S. (1)

#	Metropolitan Statistical Area	Prosperity Presence	Prosperity Deposits ($mm)	Proj. Population Growth (2027-2032) (%)
1.	Austin-Round Rock-San Marcos, TX	✓	$2,012	8.0%
2.	Raleigh-Cary, NC			7.9%
3.	Charlotte-Concord-Gastonia, NC-SC			6.9%
4.	Houston-Pasadena-The Woodlands, TX	✓	$11,814	6.8%
5.	Jacksonville, FL			6.7%
6.	Greenville-Anderson-Greer, SC			6.3%
7.	San Antonio-New Braunfels, TX	✓	$2,365	6.3%
8.	Dallas-Fort Worth-Arlington, TX	✓	$6,196	6.3%
9.	Orlando-Kissimmee-Sanford, FL			6.1%
10.	Nashville-Davidson--Murfreesboro--Franklin, TN			5.8%
11.	Phoenix-Mesa-Chandler, AZ			4.5%
12.	Richmond, VA			4.2%
13.	Tampa-St. Petersburg-Clearwater, FL			4.0%
14.	Atlanta-Sandy Springs-Roswell, GA			3.9%
15.	Las Vegas-Henderson-North Las Vegas, NV			3.8%

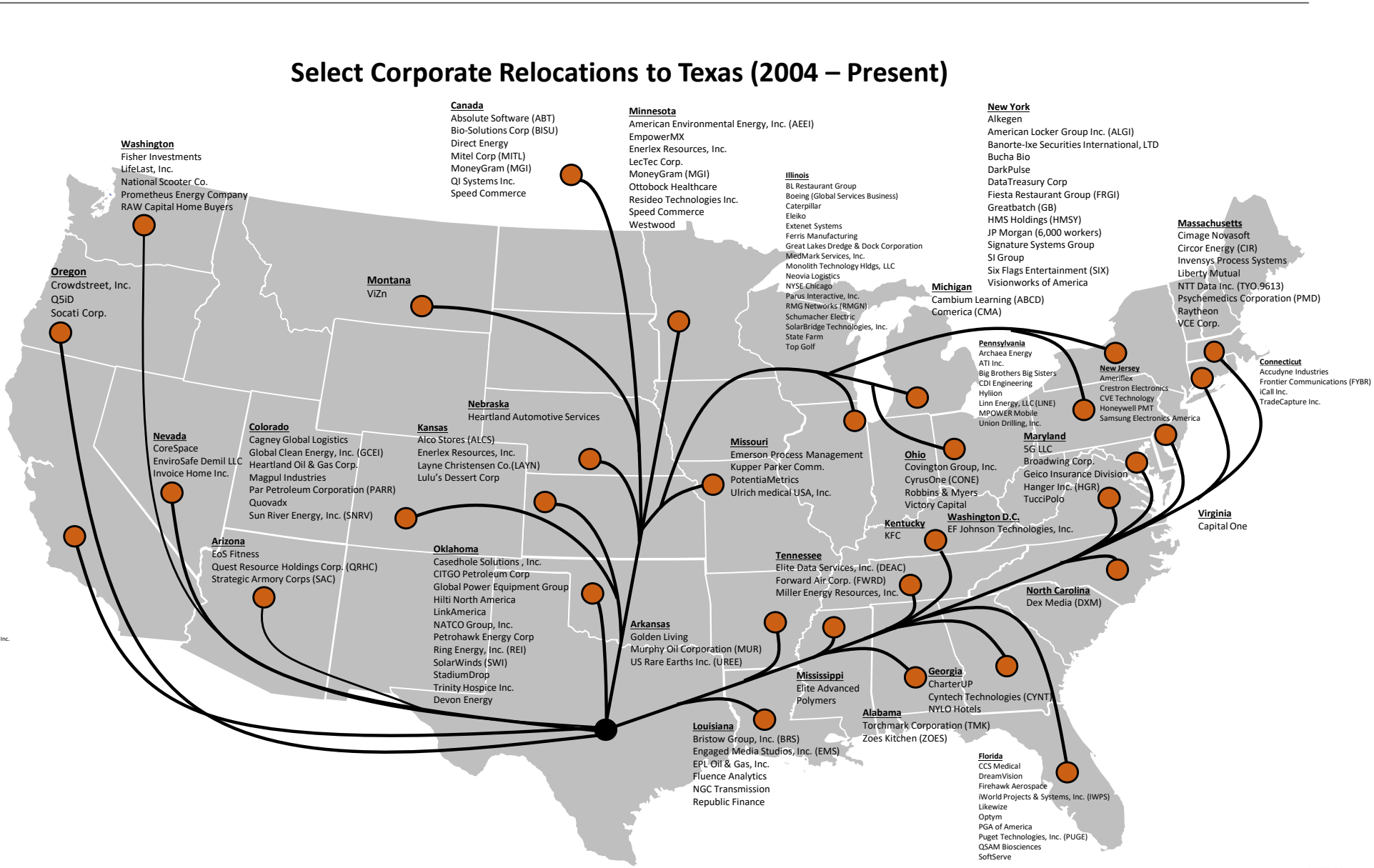
- Presence in four of the fastest growing MSAs in the United States

Source: S&P Global, Office of the Texas Governor, U.S. Bureau of Labor Statistics, Area Development, Oklahoma State Treasurer.
Note: Prosperity is shown pro forma for its recently closed acquisition of Stellar Bancorp, Inc.
(1) Includes MSAs with greater than one million in total population. Deposit data as of 6/30/2026.

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Corporate Relocations to Texas

Select Corporate Relocations to Texas (2004 – Present)



Source: Office of the Texas Governor.

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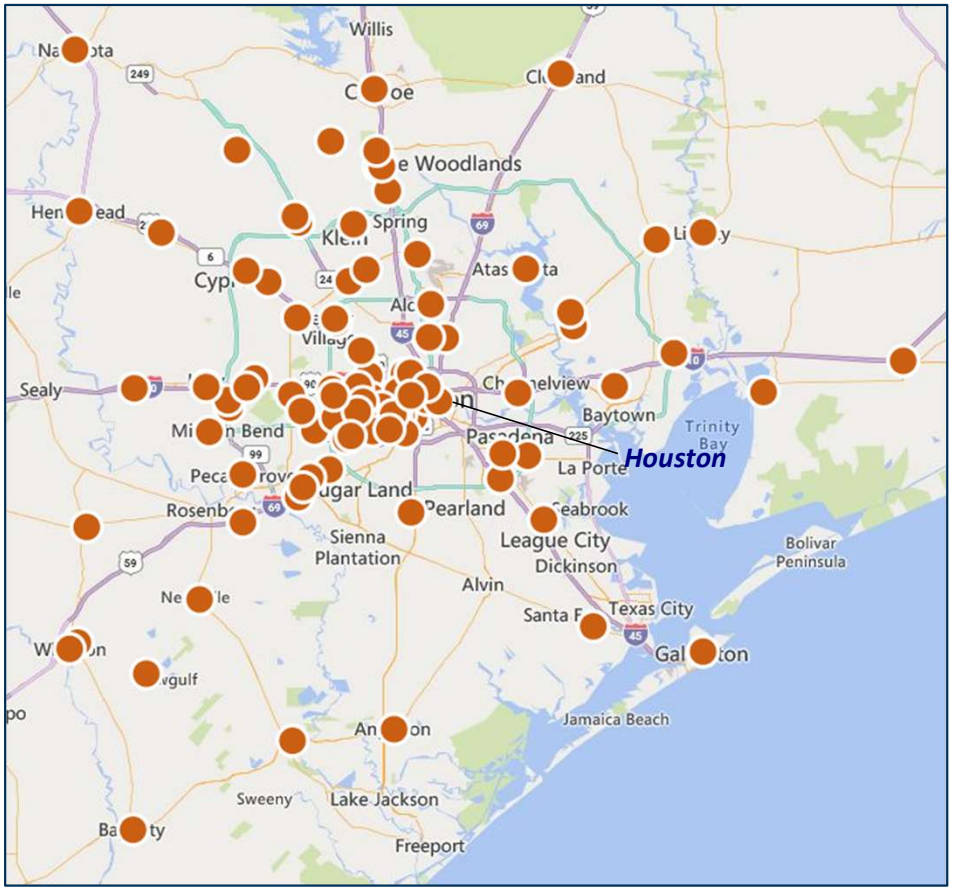
Houston Market Highlights

Market Highlights

- The Houston MSA is the 5th largest in the United States by population with over 8.0 million residents
  - Population is expected to grow 6.8% from 2027 – 2032 (compared to the 2.2% projected growth for the U.S.)
  - Current Median Household Income is $90k (in line with $88k for the U.S.)
- As of August 2026, employment in Houston has increased 2.6% YoY in the professional & business services sector, compared to the nationwide increase of 0.6%
- As of August 2026, employment in Houston has increased 4.2% YoY in the mining, logging & construction sector, compared to the nationwide increase of 1.1%
- Eli Lilly broke ground in September 2026 on a $6.5 billion pharmaceutical manufacturing facility in Houston, expected to create more than 600 jobs

Select Fortune 500 Companies

Houston Franchise



Source: Bureau of Labor Statistics, Office of the Texas Governor.
Note: References to Houston refer to the Houston – Pasadena – The Woodlands metropolitan statistical area.

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Dallas/Ft. Worth Market Highlights

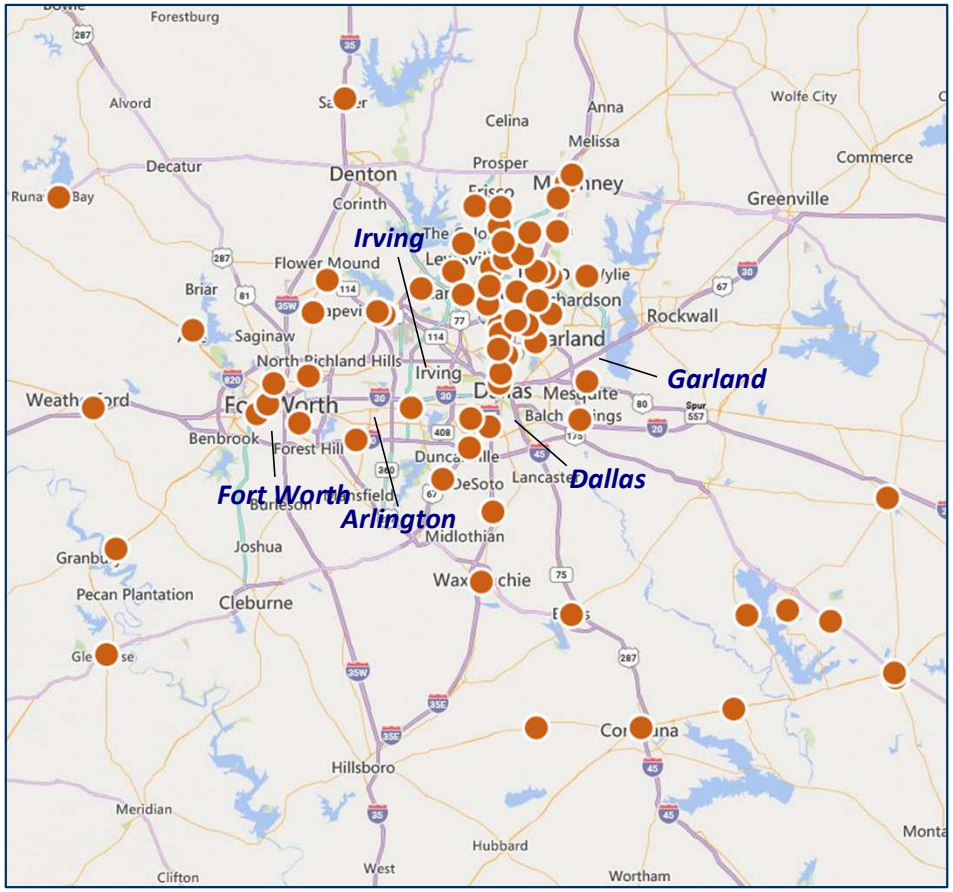
Market Highlights

- The Dallas/Ft. Worth MSA is the 4th largest in the United States by population with approximately 8.6 million residents
  - Population is expected to grow 6.3% from 2027 – 2032 (compared to the 2.2% projected growth for the U.S.)
  - Median Household Income is expected to grow to $115k by 2032 (compared to $100k for the U.S.)
- As of August 2026, Dallas employment stood 14.6% above pre-pandemic levels—more than three times the nationwide increase of 4.5%
- Dallas-Fort Worth ranked No. 7 among U.S. metros in Site Selection's 2026 Global Groundwork Index, which evaluates corporate facility investment, associated job creation and infrastructure investment

Select Fortune 500 Companies

Southwest · AT&T · Energy Transfer · American Airlines Group · tenet HEALTH
JACOBS · Kimberly-Clark · FLUOR · Texas Instruments · AECOM
CATERPILLAR · McKESSON · Keurig DrPepper · CBRE · Builders FirstSource
Celanese · Vistra Energy · D.R. Horton America's Builder · CMC Commercial Metals · charles SCHWAB

Dallas / Ft. Worth Franchise



Source: Bureau of Labor Statistics, Site Selection, Federal Reserve Bank of Dallas.
Note: References to Dallas refer to the Dallas – Fort Worth – Arlington metropolitan statistical area.

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Austin Market Highlights

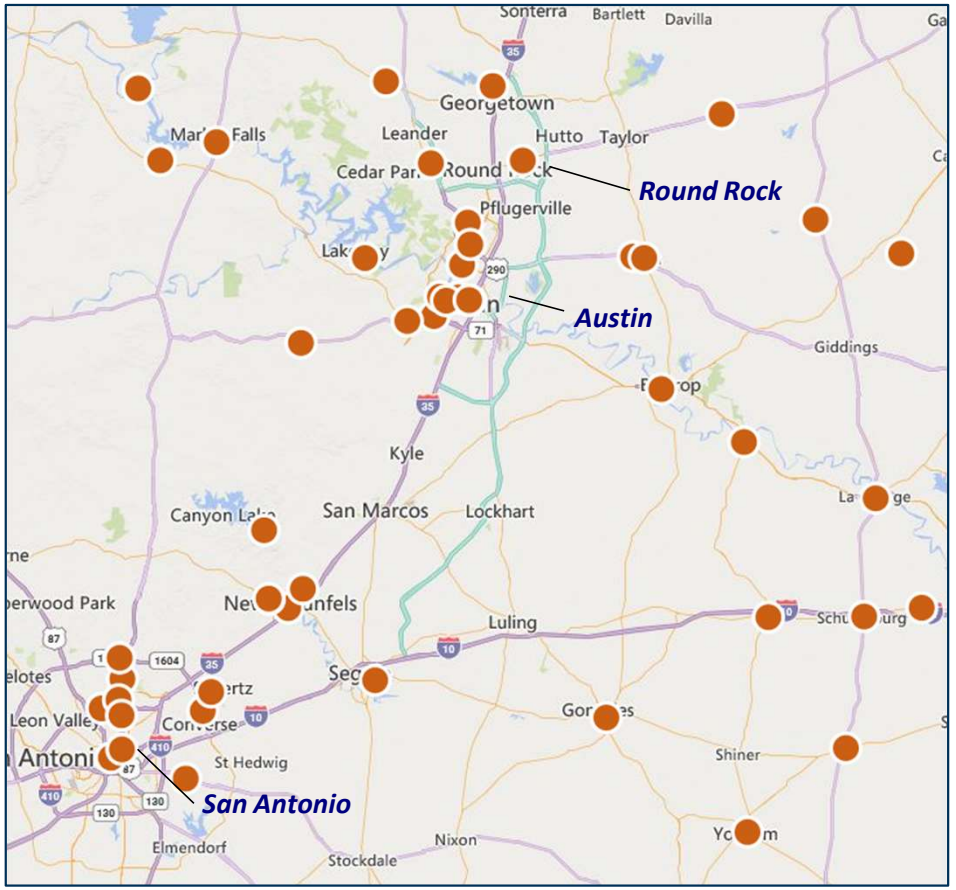
Market Highlights

- The Austin MSA is the 25th largest in the United States by population with over 2.6 million residents
  - Population is expected to grow 8.0% from 2027 – 2032 (compared to the 2.2% projected growth for the U.S.)
  - Median Household Income is expected to grow to $127k by 2032 (compared to $100k for the U.S.)
- Austin nonfarm employment grew 1.2% year over year in August 2026—four times the national growth rate of 0.3%—adding 16,200 jobs. In the same period, the financial activities sector in Austin increased 2.1%, compared to the nationwide decrease of 1.1%
- In October 2026, Blue Origin announced a $555 million advanced manufacturing campus in Hutto that is expected to create more than 2,000 jobs

Select Fortune 500 Companies

amazon · cisco · ebay · ORACLE · TESLA · Meta · 3M · IBM · intel · Google · DELL

Austin Franchise



Source: Bureau of Labor Statistics, U.S. Census Bureau, Office of the Texas Governor.
Note: References to Austin refer to the Austin – Round Rock – San Marcos metropolitan statistical area.

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