

Investor Presentation

– Fourth Quarter 2021 ——



"Safe Harbor" Statement

Under the Private Securities Litigation Reform Act of 1995

"Safe Harbor" Statement under the Private Securities Litigation Reform Act of 1995: This presentation contains 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. Forward-looking statements are typically, but not exclusively, identified by the use in the statements of words or phrases such as "aim." "anticipate." "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 loan 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 loan losses, 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 the proposed transaction, and statements about the assumptions underlying any such statement, as well as expectations regarding the effects of the COVID-19 pandemic on Prosperity's operating income, financial condition and cash flows. These forwardlooking statements are not guarantees of future performance and are subject to risks and uncertainties, many of which are outside of Prosperity'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 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; the effect, impact, potential duration or other implications of the COVID-19 pandemic; and weather. These and various other factors are discussed in Prosperity Bancshares' Annual Report on Form 10-K for the year ended December 31, 2020, Quarterly Report on Form 10-Q for the period ended September 30, 2021 and other reports and statements Prosperity Bancshares has filed with the Securities and Exchange Commission ("SEC"). Copies of the SEC filings for Prosperity Bancshares may be downloaded from the Internet at no charge from http://www.prosperitybankusa.com.

Fourth Quarter Highlights

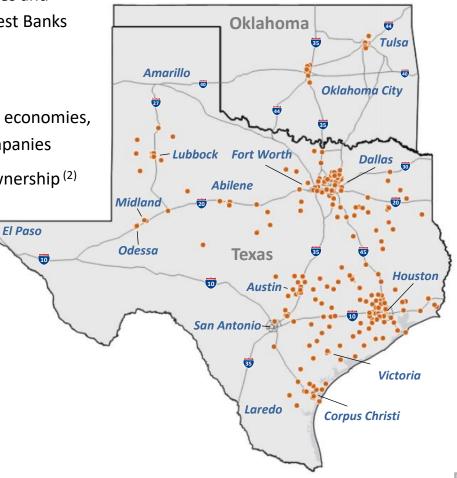
- Net income of \$126.8 million and earnings per share (diluted) of \$1.38 for three months ended December 31, 2021
- Assets of \$37.8 billion, total loans of \$18.6 billion, and deposits of \$30.8 billion at December 31, 2021
- Common equity tier 1 ratio of 15.10% and leverage ratio of 9.62% at December 31, 2021
- Loans, excluding Warehouse Purchase Program and SBA Paycheck Protection Program loans, increased 1.8% on an annualized basis during the fourth quarter 2021
- Deposits increased 17.9% on an annualized basis during the fourth quarter 2021
- Sound asset quality with annualized net charge-offs / quarterly average loans of 0.02%
- Nonperforming assets to average earning assets remain low at 0.09% or \$28.1 million for the fourth quarter 2021
- Allowance for credit losses on loans and on off-balance sheet credit exposure of \$316.3 million
- Allowance for credit losses to total loans, excluding Warehouse Purchase Program and SBA Paycheck Protection Program loans, of 1.72%
- Efficiency ratio of 42.8% for the fourth quarter 2021
- Declared cash dividend of \$0.52 for the first quarter 2021

Strong Presence in Texas and Oklahoma

- A Texas-based financial holding company with \$37.8 billion in total assets
- Ranked the 2nd Best Bank in America in 2021 by Forbes and has been ranked in the Top 10 of Forbes America's Best Banks since 2010
- Ranked #3 in deposit market share in Texas ⁽¹⁾
- Texas and Oklahoma continue to benefit from strong economies, and are home to 52 Fortune 500 headquartered companies
- Shareholder driven with 4.2% fully diluted insider ownership⁽²⁾
- Successful completion of 43 acquisitions (whole bank, branch and failed bank transactions)

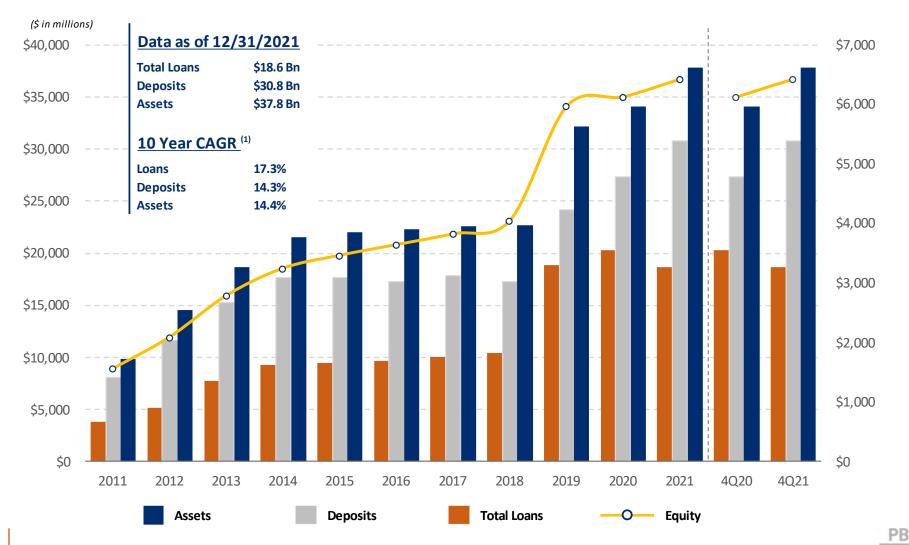
273 Full-Service Locations

- 16 in Bryan/College Station Area
- 6 in Central Oklahoma Area
- 29 in Central Texas Area
- 63 in Dallas/Fort Worth Area
- 22 in East Texas Area
- 65 in Houston Area
- 30 in South Texas Area
- 8 in Tulsa Area
- 34 in West Texas Area



Per FDIC; Includes Texas headquartered commercial banks; Deposits as of 6/30/2021
 Per proxy statement (Form DEF 14A) filed on 3/15/2021

Balance Sheet Summary



NYSE

Source: Company Documents

(1) Represents the Compound Annual Growth Rate from 12/31/2011 – 12/31/2021

Net Income



Net Income

Net Income (Excluding Purchase Accounting Adjustments)

Source: Company Documents

6

(1) Represents the Compound Annual Growth Rate of net income from 12/31/2011 – 12/31/2021

(2) Represents the Compound Annual Growth Rate of net income from 12/31/2016 – 12/31/2021

(3) Includes NOL tax benefit of \$20.145 million related to the CARES Act

Earnings Per Share



EPS

Core EPS (Excluding Purchase Accounting Adjustments)

Source: Company Documents

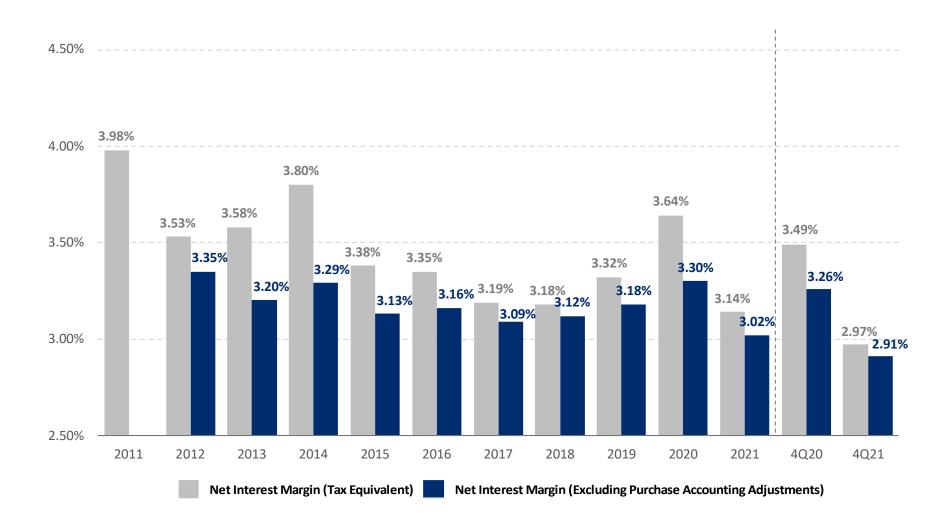
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(1) Represents the Compound Annual Growth Rate for EPS from 12/31/2011 – 12/31/2021

(2) Represents the Compound Annual Growth Rate for EPS from 12/31/2016 – 12/31/2021

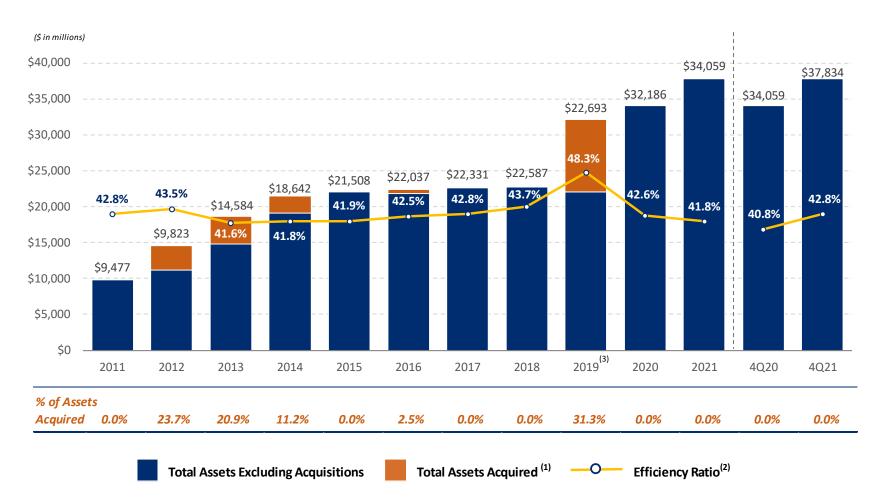
(3) Includes NOL tax benefit of \$20.145 million related to the CARES Act

Net Interest Margin





Acquisitions & Efficiency Ratio

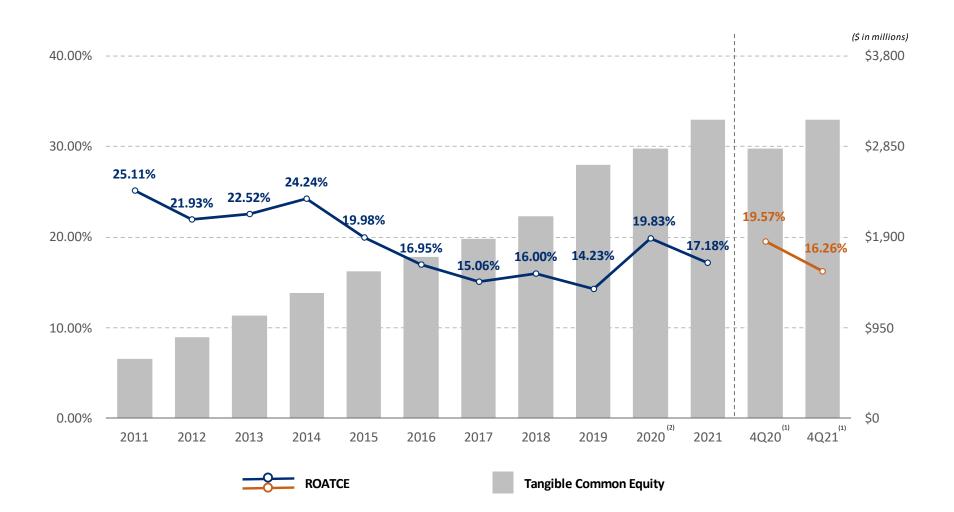


Source: Company Documents

- (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) Ratio impacted by the merger with LegacyTexas Financial

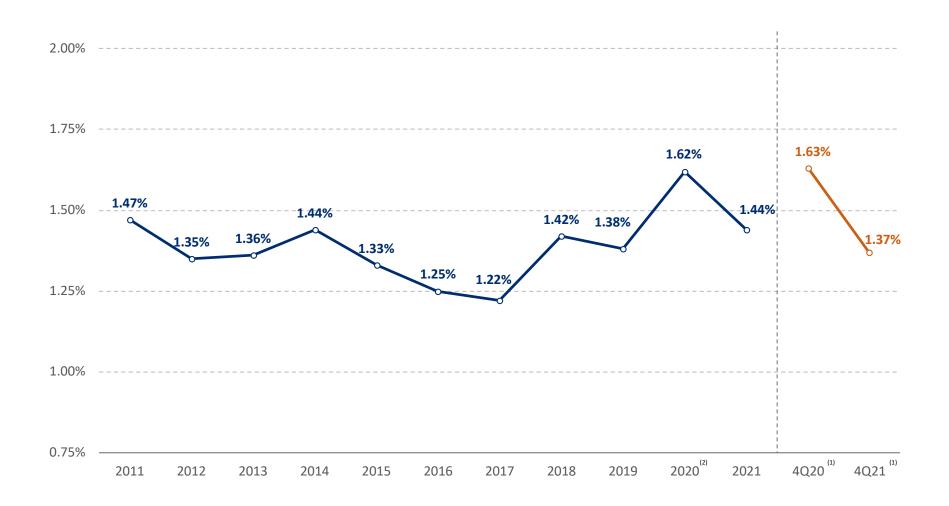
NYSE

Return on Average Tangible Common Equity





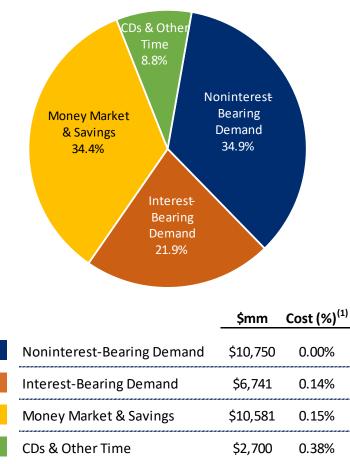
Return on Average Assets



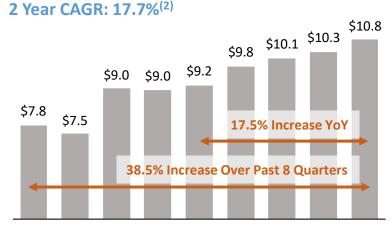


Deposit Composition

As of December 31, 2021 (\$ in millions)



Noninterest-Bearing Deposit Growth

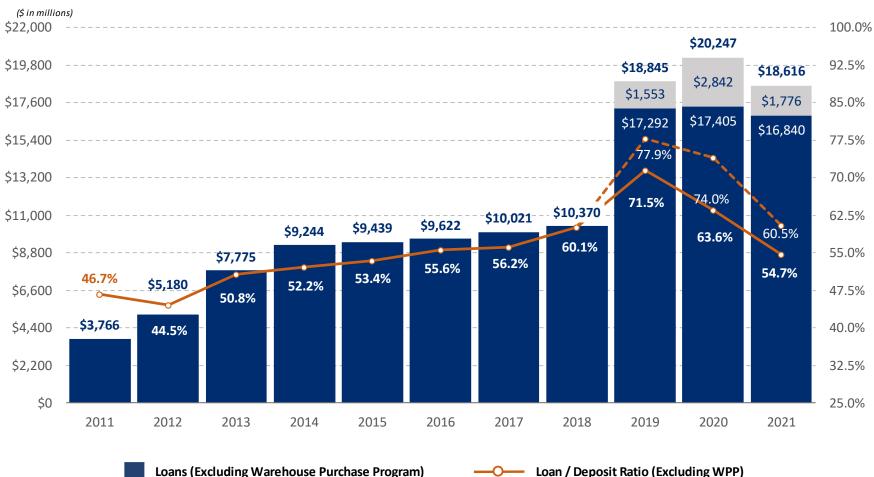


4Q19 1Q20 2Q20 3Q20 4Q20 1Q21 2Q21 3Q21 4Q21

Total Deposits: \$30.8Bn

Total Cost of Deposits: 0.12%⁽¹⁾ Cost of Interest-Bearing Deposits: 0.18%⁽¹⁾

Loan Growth



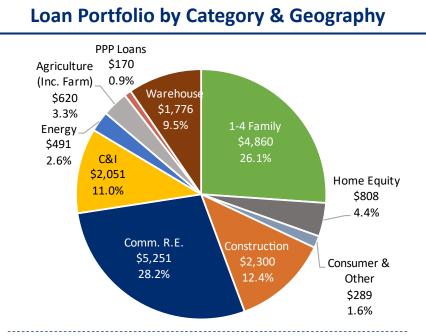
Loans (Excluding Warehouse Purchase Program) Warehouse Purchase Program (WPP)

--O--- Loan / Deposit Ratio (Including WPP)

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Loan Portfolio Overview

As of December 31, 2021 (\$ in millions)



Loans By Area	<u>Amount</u> ⁽²⁾⁽⁴⁾	<u>% of Total</u>
Bryan / College Station	\$697	4.2%
Central Oklahoma	\$628	3.8%
Central Texas	\$1,941	11.6%
Dallas / Ft. Worth	\$6,316	37.7%
East Texas	\$577	3.4%
Houston	\$3,681	22.0%
South Texas	\$1,358	8.1%
Tulsa	\$570	3.4%
West Texas	\$984	5.9%

Source: Company Documents

14

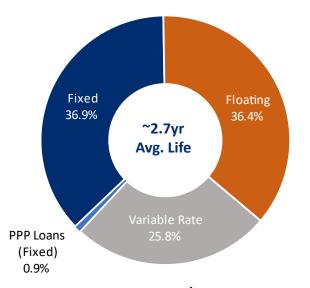
(1) Data for the three months ended December 31, 2021

(2) Excludes \$88 million in loans assigned to the Corporate Group

(3) Core yield excludes purchase accounting adjustments

(4) Excludes Warehouse Purchase Program (WPP) loans

Loans by Rate Structure



Total Loans: \$18.6Bn Loans HFI (Excl. WPP): \$16.8Bn

Yield on Total Loans: 4.40%⁽¹⁾ Yield on Loans HFI (Excl. WPP): 4.53%⁽¹⁾ Core Yield on Loans HFI (Excl. WPP): 4.40%⁽¹⁾⁽³⁾

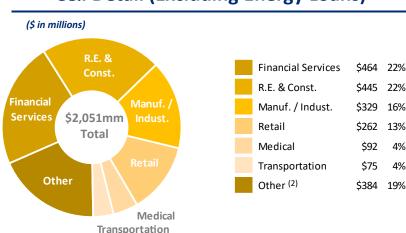


Loan Portfolio Detail

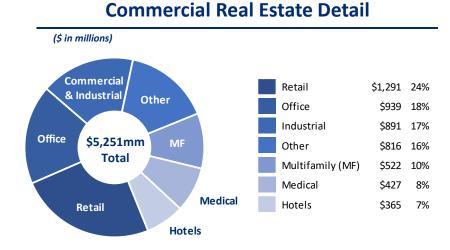
As of December 31, 2021 (\$ in millions)

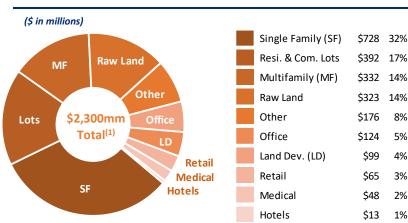
Portfolio Commentary

- 32% of commercial real estate is owner occupied •
- CRE and construction loans conservatively ٠ underwritten to cost of collateral
- Hotel loans equal to ~2% of total loans •
- Restaurant loans equal to ~1% of total loans •



C&I Detail (Excluding Energy Loans)





Construction Detail

Source: Company Documents

Total includes a net unaccreted discount of (\$16,000) not shown in graph (1)

(2) Includes State & Political loans

15



8%

5%

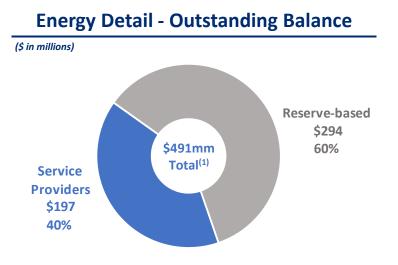
4%

3%

2%

Energy Portfolio Detail

As of December 31, 2021 (\$ in millions)



Energy Detail - Unfunded Commitments



Portfolio Commentary

- Total energy loan loss reserves of 4.6%, or \$22.8 million (excluding fair value marks)⁽¹⁾
- \$19.9 million, or 4.1% of energy loans, are subject to fair value marks of \$0.8 million in addition to general and specific loan loss reserves
- Portfolio company-led with no Shared National Credits (SNC)
- Portfolio focused on lending on proven producing reserves and therefore not dependent on ongoing development
- Acquired oil portfolio is 89.0% hedged during 2022 at a weighted average price of \$41.93 and 41.6% hedged during 2023 at a weighted average price of \$48.27
- Acquired gas portfolio is 56.3% hedged during 2022 at a weighted average price of \$2.81 and 42.4% hedged during 2022 at a weighted average price of \$2.59

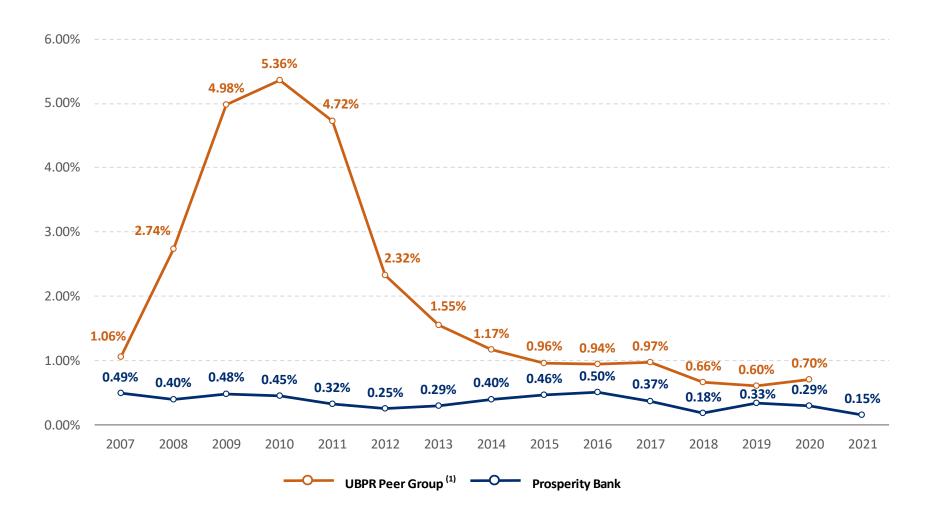
Changes to Allowance for Credit Losses

(\$ in millions)

1.73% ACL to Total Loans ⁽¹⁾					1.72% ACL to Tota Loans ⁽¹⁾
				\$4.7	
\$287.2	(\$0.8)	(\$1.7)	(\$3.0)		\$286.4
Allowance for Credit Losses	 Net Charge-offs 	PCD recoveries	 Outstanding balances 	 Net increased reserve related to changes in macro-economic 	Allowance for Credit Losses
		\$1.7 million released	Historical loss rates	conditions and	
		related to resolved PCD loans without any charge offs during the fourth quarter	 Non-PCD specific reserves 	qualitative economic outlook	
Allowance for Unfunded Commitments (Other Liabilities) ▼					Allowance for Unfunded Commitments (Other Liabilities) ▼
\$29.9					\$29.9
Q3 2021 ACL	Portfolio Changes	Portfolio Changes	Portfolio Changes	Environmental Outlook	Q4 2021 ACL

(1) Excludes Warehouse Purchase Program (WPP) and SBA Paycheck Protection Program (PPP) loans

Asset Quality NPAs / Loans + OREO



PB

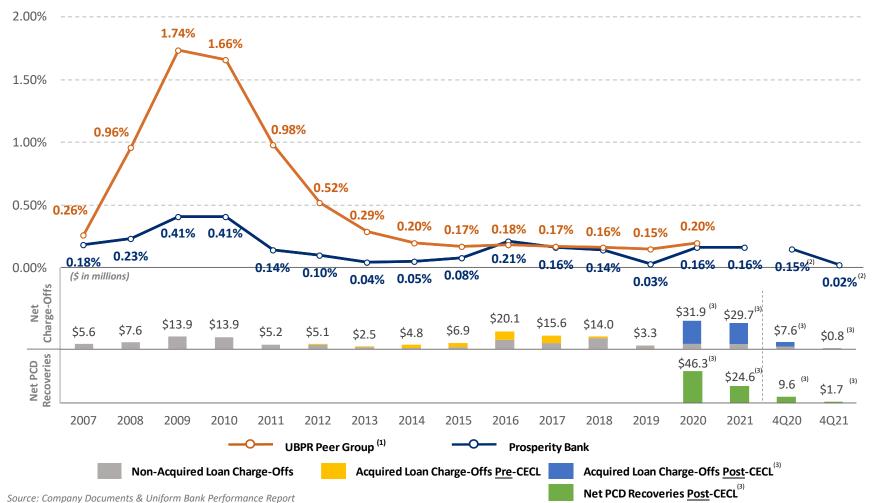
NYSE

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 (94 banks) – Insured commercial banks having assets between \$10 billion and \$100 billion

Asset Quality Net Charge-Offs / Average Loans



Note: NPAs include loans past due 90 days and still accruing

19

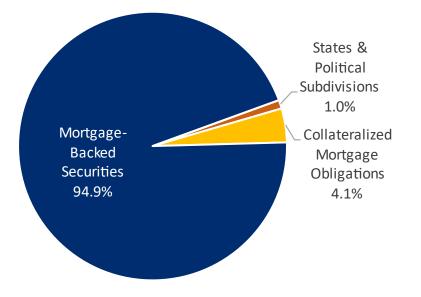
- (1) UBPR = Uniform Bank Performance Report; Peer Group 2 (94 banks) Insured commercial banks having assets between \$10 billion and \$100 billion
- (2) Interim period net charge-off ratios shown on an annualized basis
- (3) Reflects all charge-offs and recoveries on acquired loans in accordance with 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.

PB

NYSE

Securities Portfolio Detail

As of December 31, 2021 (\$ in millions)



	\$mm
Mortgage-Backed Securities	\$12,161
Collateralized Mortgage Obligations	\$523
States & Political Subdivisions	\$133
	Collateralized Mortgage Obligations

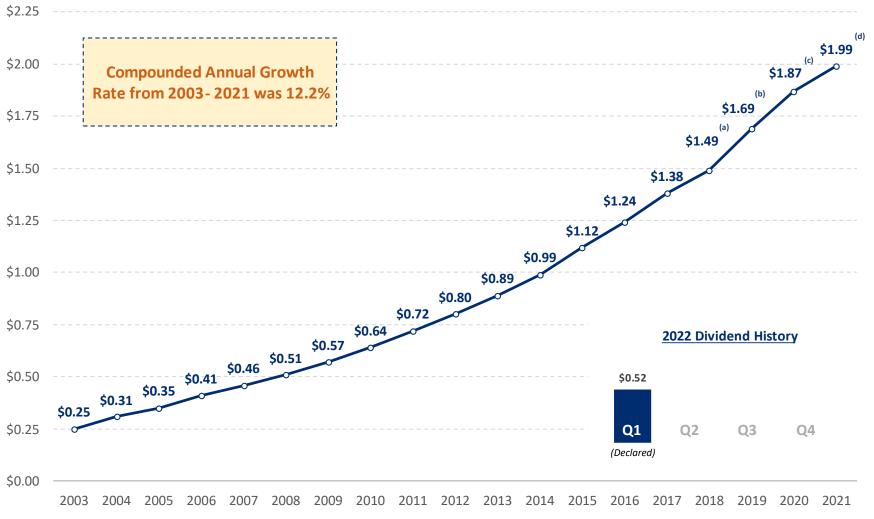
Total Securities: \$12.8Bn

Yield on Securities: 1.46%⁽¹⁾ Duration: ~4.2 Yrs.⁽²⁾ Avg. Yearly Cash Flow: ~\$2.3Bn

96.0% Held to Maturity 4.0% Available for Sale



Dividend History

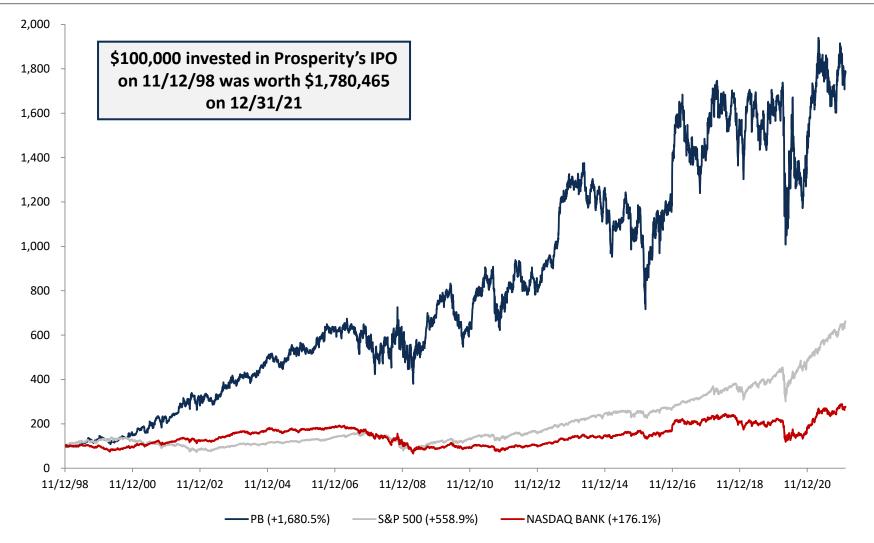


(a) 2018 dividend consists of \$0.36 per share declared in 1Q 2018, 2Q 2018, 3Q 2018 and \$0.41 per share declared in 4Q 2018
 (b) 2019 dividend consists of \$0.41 per share declared in 1Q 2019, 2Q 2019, 3Q 2019 and \$0.46 per share declared in 4Q 2019
 (c) 2020 dividend consists of \$0.46 per share declared in Q1 2020, 2Q 2020, 3Q 2020 and \$0.49 per share declared in 4Q 2021
 (d) 2021 dividend consists of \$0.49 per share declared in Q1 2021, 2Q 2021, 3Q 2021 and \$0.52 per share declared in 4Q 2021



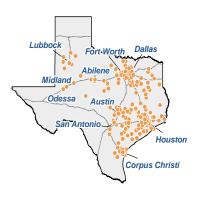
Total Return Performance

IPO (November 12, 1998) to December 31, 2021



Presence in Fast-Growing Markets

Positioned in Strong Markets



Oklahoma City

Tulsa

- Today, Texas is the 2nd largest state in the U.S by population with over 29 million residents
- Ranked #3 on the Fortune 500 list with 49 headquartered companies in 2021
- Ranked #1 state for business for the 9th consecutive time by U.S. corporate executives in an International Economic Development Council survey
- Oklahoma City and Tulsa MSAs comprise over 50% of the state's population
- Oklahoma is home to three of the 2021 Fortune 500 Companies
- Top 4 state for production of natural gas, net electricity generation from wind, and production of crude oil
- Oklahoma is one of the top 5 producers of wheat in the United States

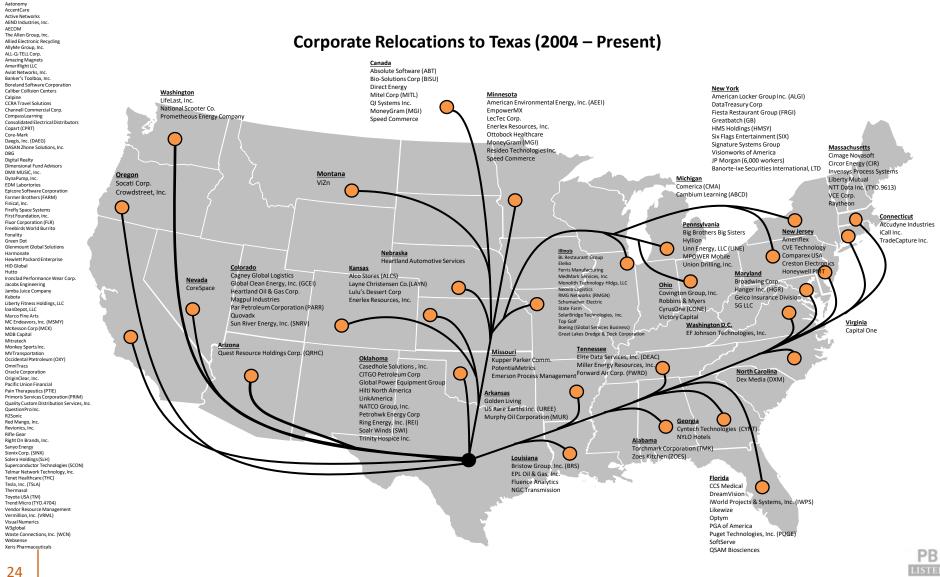
Top 10 Fastest Growing MSAs in the U.S. ⁽¹⁾

Metropolitan Statistical Area	Prosperity Presence	Prosperity Deposits (\$mm)	2022 - 2027 Population Growth
Salt Lake City, UT			7.0%
Austin-Round Rock-Georgetown, TX	\checkmark	\$1,401	6.9%
Seattle-Tacoma-Bellevue, WA			6.5%
San Antonio-New Braunfels, TX	\checkmark	\$493	6.1%
Nashville-DavidsonMurfreesboroFrankli	in, TN		6.1%
Houston-The Woodlands-Sugar Land, TX	\checkmark	\$6,444	6.0%
Dallas-Fort Worth-Arlington, TX	\checkmark	\$8,335	5.9%
Orlando-Kissimmee-Sanford, FL			5.6%
Las Vegas-Henderson-Paradise, NV			5.6%
Denver-Aurora-Lakewood, CO			5.5%

Presence in the top four fastest growing MSAs in the United States



Corporate Relocations to Texas



California

Houston Market Highlights

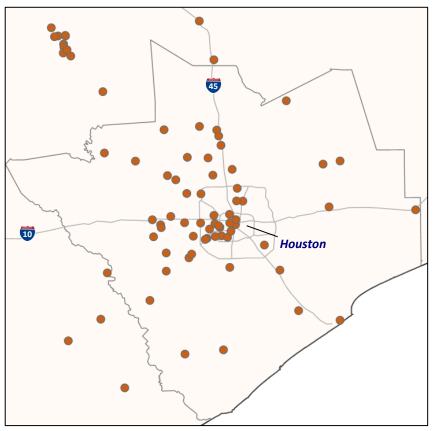
Market Highlights

- Houston MSA is the 5th largest in the United States by population with nearly 7.3 million residents
 - Population is expected to grow 6.0% from 2022 to 2027
- Headquarters to 24 Fortune 500 companies
 - Home to the Texas Medical Center the world's largest medical complex, and NASA's Johnson Space Center
 - Hewlett Packard Enterprise is moving its global headquarters to the Houston Area in 2022
 - The Port of Houston is ranked 1st in the U.S. in international waterborne tonnage and in total waterborne tonnage handled
- Houston was ranked as the 2nd fastest growing tech hubs during the pandemic

Select Fortune 500 Companies



Houston Franchise





Source: S&P Global, Houston.org, Bureau of Labor Statistics, Forbes.com, Port Houston, Greater Houston Partnership, Houston Properties. References to Houston refer to the Houston – The Woodlands – Sugar Land metropolitan statistical area.

Dallas/Ft. Worth Market Highlights

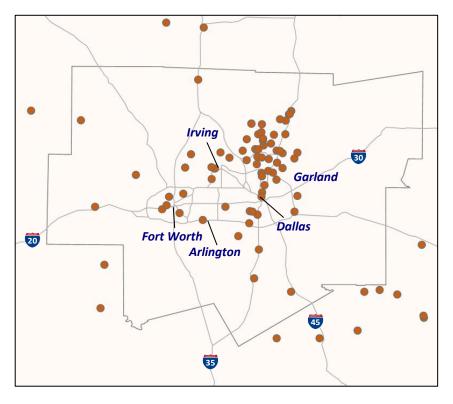
Market Highlights

- Dallas/Ft. Worth MSA is the 4th largest in the United States by population with over 7.8 million residents
 - Population is expected to grow 5.9% from 2022 to 2027
- As of November 2021, total nonfarm employment has increased 5.6% YoY, compared to the 12 month nationwide increase of 4.1%
 - Unemployment rate is 3.9%, compared to 5.2% statewide, and 4.2% nationwide⁽¹⁾
- Among the 12 largest MSAs by population, Dallas had the 5th highest YOY increase in employment in the Financial Services sector
- Headquarters to 22 Fortune 500 companies
 - Ranked the second best job center in the U.S. for technology professionals in 2020





Dallas / Ft. Worth Franchise



Source: Bureau of Labor Statistics, S&P Global, Dallasnews.com, Dallasforward.org, Computing Technology Industry Association (CompTIA), and Fortune.com. References to Dallas refer to the Dallas – Fort Worth – Arlington metropolitan statistical area.



Austin Market Highlights

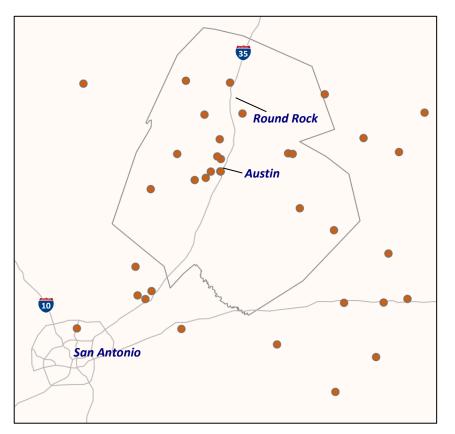
Market Highlights

- Ranked #5 place to live in the U.S. in 2021 by U.S. News and World Report
- Expected population growth of 6.9% through 2027, the second highest of any major MSA in the country
- Ranked as the best city in the U.S. for technology professionals and businesses
 - IT job growth is expected to expand 15% over the next 5 years
- As of November 2021, total nonfarm employment has increased 7.8% YoY, compared to the 12 month statewide increase of 5.7% and the nationwide increase of 4.1%
 - Unemployment rate is 3.2%, compared to 5.2% statewide and 4.2% nationwide⁽¹⁾
 - Employment has increased 8.2% YoY in the financial services sector and 14.8% YoY in professional services, compared to 4.6% and 11.3% statewide, respectively
- 17 companies have begun operations and 20 companies expanded their existing operations in the Austin-Round Rock MSA in Q4 2021

Select Fortune 500 Companies



Austin Franchise Franchise



Source: Bureau of Labor Statistics, Forbes, U.S. News and World Report, Computing Technology Industry Association (CompTIA), Austin Chamber. References to Austin refer to the Austin – Round Rock – San Marcos metropolitan statistical area.

(1) Unemployment data as of November 2021.

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