B hanover bancorp, inc.

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Non-GAAP Financial Measures

This presentation contains supplemental financial information determined by methods other than in accordance with accounting principles generally accepted in the United States of America ("GAAP"). Our management uses these non-GAAP measures in its analysis of our performance. These measures should not be considered a substitute for GAAP basis measures nor should they be viewed as a substitute for operating results determined in accordance with GAAP. Management believes the presentation of tangible common equity ("TCE"), tangible book value ("TBV") per share, and return on average tangible common equity ("ROATCE"), non-GAAP financial measures that exclude the impact of intangible assets, provide useful supplemental information that is essential to a proper understanding of our financial condition and results. Non-GAAP measures are not formally defined under GAAP, and other entities may use calculation methods that differ from those used by us. As a complement to GAAP financial measures, our management believes these non-GAAP financial measures assist investors in comparing the financial condition and results of operations of financial institutions due to the industry prevalence of such non-GAAP measures. A reconciliation of our non-GAAP financial measures to the most directly comparable GAAP measures has been provided herein.



Overview of Hanover Bancorp, Inc.

Company Background & Financial Snapshot

- The bank was founded in 2009 and is headquartered in Mineola, NY
- The Bank was recapitalized in 2012 by a group led by our current Chairman and CEO Michael Puorro and current members of our Board of Directors
- Successfully completed IPO and NASDAQ listing in May 2022
- Provides differentiated consumer and commercial banking services to clients in western Long Island, the New York City boroughs and Freehold, NJ
 - Business banking center recently opened on May 22, 2023 in Hauppauge, NY
- Executed an organic strategy from 2012 2018, focused primarily on the non-qualified mortgage niche residential lending business
- Completed two successful M&A transactions, acquiring Chinatown Federal Savings Bank in 2019 and Savoy Bank in 2021
- Successful team of seasoned bankers and banking teams from local, regional and national financial institutions
- Demonstrated track record of profitability; Hanover is highly focused around an efficient operating platform and branch network.

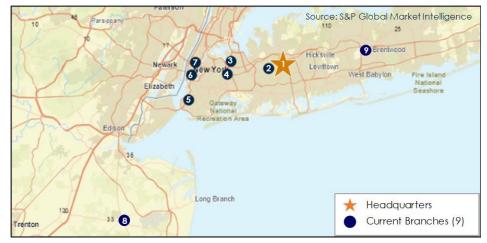
\$ in m illions	Balance Sheet at 3/31/2023				
Total assets	\$2,072				
Gross loans	1,787				
Deposits	1,707				
Tangible common equity	161				
TCE / TA	7.8%				
NPAs / Assets	0.53%				

	Quarter Ended:	6 Mo. Ended		
\$ in millions	3/31/2023	3/31/2023		
Net Income	\$3.2	\$8.5		
Net interest margin	3.04%	3.26%		
Efficiency ratio	67%	58%		
ROAA	0.68%	0.92%		
ROATCE	8.1%	10.8%		

Source: S&P Global Market Intelligence; SEC Filings. Note: Hanover has a fiscal year ending September 30th. (1) Excluding PPP loans. (2) Opened in 2023, no deposits as of FDIC 6/30/2022 deposit data.

Key Metrics & Banking Footprint

3/31/23	3/31/23	3/31/23	3/31/23
\$2.1B	\$1.8B	\$1.7B	42%
TOTAL ASSETS	TOTAL NET LOANS	TOTAL DEPOSITS	LTM Loan Growth ⁽¹⁾



			Deposits at
#	Branch Name	Address	6/30/22 (\$M)
1	Headquarters & Mineola	80 East Jericho Turnpike, Mineola, NY	\$146
2	Garden City Park	2131 Jericho Turnpike,Garden City Park, NY	837
3	Flushing	138-29 39th Avenue,Flushing, NY	29
4	Forest Hills	71-15 Austin Street,Forest Hills, NY	35
5	Sunset Park	5512 8th Avenue,Brooklyn, NY	25
6	Bowery	109 Bowery,New York, NY	84
7	Midtown	600 5th Ave, 17th Floor,New York, NY	181
8	Freehold	4400 Route 9, Freehold, NJ	13
9	Hauppauge ⁽²⁾	410 Motor Parkway, Hauppauge, NY	



Corporate Timeline



Hanover Executive Management Team

Name	Position with Hanover	Age	Years of Banking Experience	Year Started at Hanover
Michael P. Puorro	CEO & Chairman	64	30 +	2012
McClelland Wilcox	President	51	20 +	2021
Lance P. Burke	Exec. VP & Chief Financial Officer	44	20 +	2021
Kevin Corbett	Exec. VP & Chief Credit Officer	63	35 +	2020
Alice Rouse	Exec. VP & Chief Risk Officer	57	25 +	2017
Michael Locorriere	Exec. VP & Chief Municipal Officer	54	20 +	2020
Lisa A. Diiorio	First Senior VP & Chief Accounting Officer	59	30+	2016



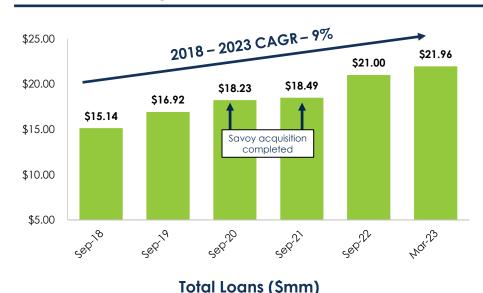
Business Strategy

	Creating a Differentiated Community Bank
Organic Growth	 Build the premier community bank franchise serving customers and small to mid-size business in the New York City metro area and Long Island Continue to penetrate the potential customer bases in multiple niche areas Continue to serve the local economies in our geographic footprint by capitalizing on a focus on personalized service, the ability to realize greater economies of scale than smaller community banks and ability to provide better and more responsive service than larger regional banks
Strategic Acquisitions	 Expanded commercial banking capabilities significantly, due to the Savoy acquisition, with a particular focus on small business clients and Small Business Administration (SBA) lending Leverage the Savoy acquisition and expand presence in the New York City market Continue to pursue prudent and commercially attractive acquisitions in both traditional banking and select non-bank targets
Diversifying Loan Portfolio through Niche Segments	 Focus on diversifying the loan portfolio through niche lending segments to generate appropriate risk-adjusted returns Focus our niche lending on: residential real estate, commercial real estate and multi-family Average loan-to-value of the mortgage underwriting portfolio at origination was 56%
Complementing the Lending Efforts and Diversifying Funding	 The deposit and treasury management products and services complement the niche lending focus Established a municipal banking business in 2020 with potential to produce a significant level of deposits at cost effective rates with the effort led by Michael Locorriere Initiative is consistent with a branch-lite and highly efficient approach

Focus on Delivering Shareholder Value

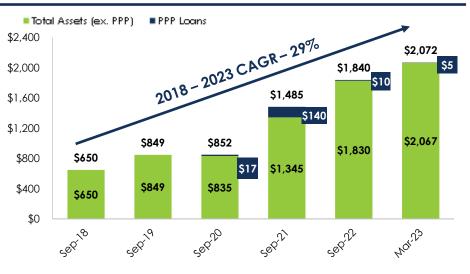


Robust TBV Per Share & Balance Sheet Growth

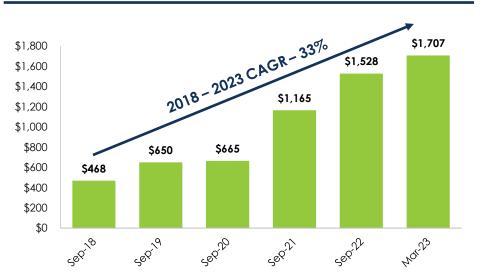


Tangible Book Value per Share

Total Assets (\$mm)



Total Deposits (Smm)

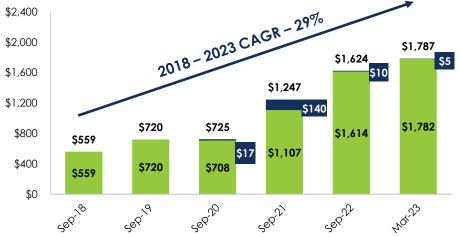






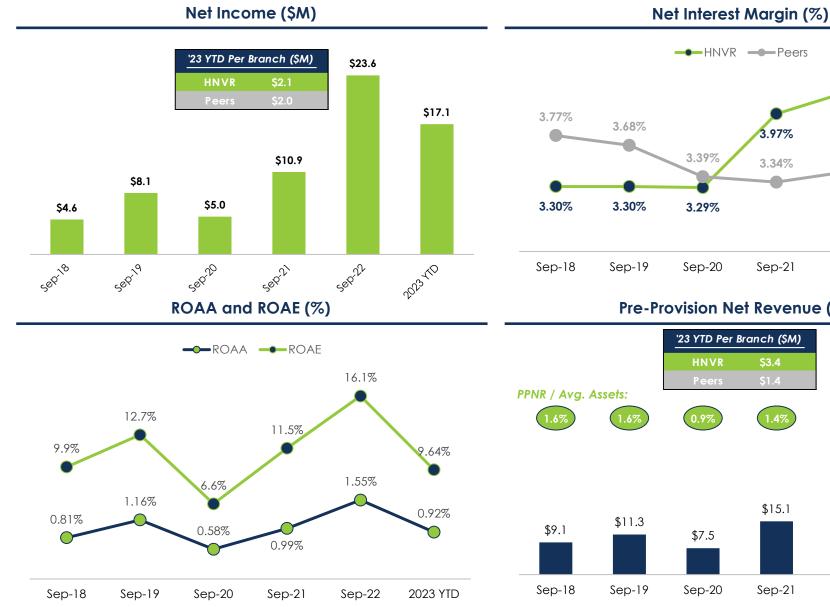
Gross Loans (ex. PPP) PLoans

\$2,400



Strong and Efficient Profitability

Success Maintaining Strong Profitability Metrics Across a Branch-lite Operating Model



3.44% 3.43% 3.26% Sep-22 2023 YTD

Pre-Provision Net Revenue (\$M)

4.18%



Source: S&P Global Market Intelligence; SEC Filings. Note: 2023 YTD = Annualized data for the 6 month period ended 3/31/2023.

Note: Hanover has a fiscal year ending September 30th. Peers include major exchange-traded banks and thrifts with most recent quarter total assets between \$1 and \$3 billion, excluding merger targets and mutuals. Pre-provision net revenue is a non-GAAP measure.



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Balance Sheet Liquidity

As of March 31, 2023, we are well-capitalized, highly liquid and looking forward to realizing strong returns on the forward-thinking investments we have made in the expansion of our core banking teams and exploration of new initiatives in recent quarters. These critical, scalable opportunities will drive our growth, maximizing our appeal to retail and commercial customers seeking relationship banking with superior service.

Securities Portfolio Composition

At March 31, 2023,

accumulated other

comprehensive income

included an unrealized loss on

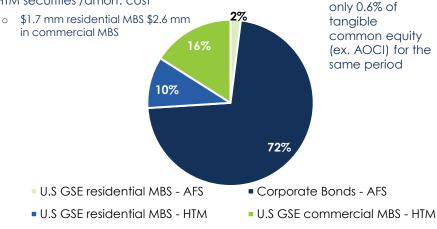
Representing

AFS securities of \$1.2 million

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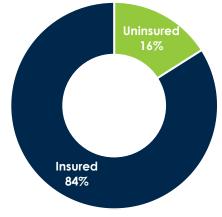
Securities portfolio of \$16.1 million as of March 31, 2023

- AFS securities / fair value
 - \$11.6 mm corporate bonds
 - \$0.2 mm in residential MBS
- HTM securities /amort. cost

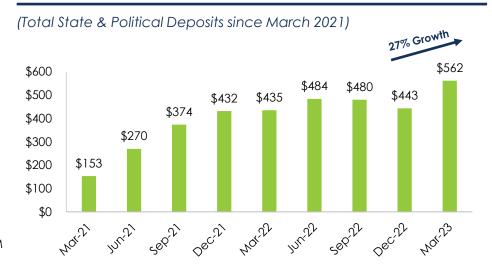


High Level of Insured Deposits

Insured deposits, including municipal deposits that are fully collateralized, accounted for approximately 84% of total deposits at March 31, 2023



Commitment To Growing Municipal Deposit Balances





Investment Highlights

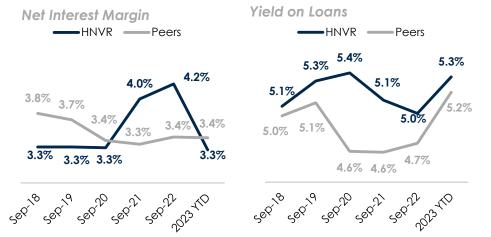
High Degree of Franchise Scarcity Value	 Recent market consolidation has resulted in a lack of sub-\$5 billion asset sized banks in the Long Island and Greater New York City Metro Area. Since June 2020, there have been 16 bank transactions in the tri-state area, 11 of which involved targets with total assets less than \$5 billion.
Niche Lending & Funding Expertise Drives Pricing Power	 Since 2014, the residential mortgage operation has been highly focused on non-conforming lending in New York City. With the addition of Savoy, the Company has acquired a niche in SBA and small business commercial banking platform. Hanover's municipal deposit banking business is differentiated in that it is focused on long-term relationships that typically have less pricing volatility, particularly in rising rate environments.
Efficient, Profitable and Scalable Business Model	 Demonstrated track record of profitability and investing in the business. Hanover is highly focused around profitability and a highly efficient operating platform and branch network. The Company's level of assets, loans, deposits and revenue relative to the number of branch offices is well above peers. Management believes a continued focus on operating efficiently will result in above average levels of profitability over the long-term.
Disciplined Underwriting and High Quality Balance Sheet	 Since 2016, Hanover has incurred \$1.4 million in cumulative net charge-off's, representing 17 basis points of average loans over that time period. Total non-accrual loans at March 31, 2023 were \$10.3 million, or 0.58% of total loans. Hanover's reserves represent 0.95% of Hanover originated loans at March 31, 2023.
Demonstrated Ability to Integrate M&A Transactions	 Hanover's executive team, which is led by Chairman and CEO Michael Puorro, has significant experience with M&A transactions and post-closing integration efforts. In August 2019, the Company closed the CFSB acquisition and has successfully grown the former CFSB deposit franchise. In May 2021, the Company closed the Savoy merger, an approximately \$650 million total asset single branch commercial bank located in NYC. The transaction significantly diversified revenue and lending mix while boosting profitability and leveraging Savoy's expertise in commercial and SBA lending.



Niche Lending & Branch-Lite Model Drives Outsized Margins

Niche Lending & Funding Expertise **Drives Pricing Power**

- ✓ A number of our business segments are focused on providing specialized lending and deposit products to specific customer groups within our markets.
- ✓ We are focused on providing expertise and excellent service in the chosen segments in which we operate.
- ✓ Since 2014 our residential mortgage operation has been highly focused on non-conforming lending in New York City.
- ✓ With Savoy, we acquired a niche SBA and small business commercial banking business.
- \checkmark Our municipal deposit banking business is differentiated in that we are focused on long-term relationships and our customers are not transactional in nature.
- \checkmark We consistently achieve a higher yield on loans than peers.
- ✓ Low deposit cost coupled with SBA lending growth drives Net Interest Margin Expansion.
- ✓ This has led us historically to surpassing peers in Net Interest Margin performance.



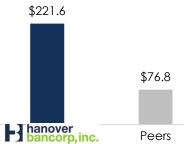
Efficient, Profitable and Scalable Business Model



Source: S&P Global Market Intelligence; SEC Filings. 2023 YTD = Annualized data for the 6 month period ended 3/31/2023. Note: Hanover has a fiscal year ending September 30th. Peers include major exchange-traded banks and thrifts with most recent quarter total assets between \$1 and \$3 billion, excluding merger targets and mutuals. Per branch metrics exclude the recently opened Hauppauge branch for a total of 8 HNVR branches.

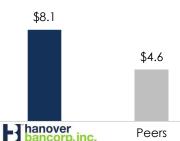


Total Net Loans per Office



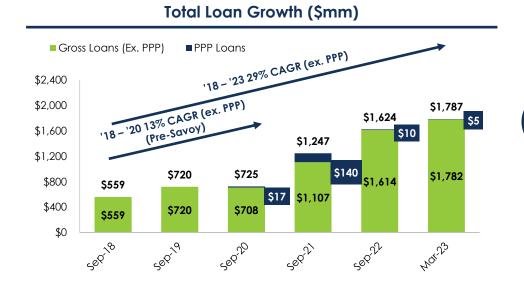






Niche Lending Segments

- Lending Activity: Loans totaled \$1.79 billion, a net increase of \$40.6M (+9.3% annualized)
 - Company's current loan pipeline ~\$191M, ~84% being niche-residential, conventional C&I and SBA and USDA lending opportunities.
 - Loans secured by office space accounted for ~3.0% of the total loan portfolio (<1% is located in Manhattan).
- Realizing Strategic Opportunities:
 - SBA & USDA Banking Team Expansion
 - Recently Opened Hauppauge Business Banking Center
 - The nexus of C&I banking initiative going forward



Residential Real Estate

- ✓ Initiated our residential lending platform in 2013 with a focus on the boroughs of New York City
- ✓ We originate mainly non-qualified, alternative documentation single-family residential mortgage loans through broker referrals, our branch network and retail channels.
- ✓ We offer multiple products including those designed specifically for two- to four-family units

Dollars in 000s		For the years ended September 30,							
Residential RE	2018	2018 2019 2020 2021 2022							
Loans originated	\$268,283	\$334,099	\$96,031	\$104,567	\$166,222	\$99,650			
Loans sold	134,464	194,978	39,982	36,375	19,441	-			



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Commercial Real Estate (including Multi-family)

- ✓ CRE lending is an area of expertise for us, with the Savoy acquisition re-enforcing what we believe was an already strong CRE lending foothold in New York City
- ✓ We maintain a loan-to-value policy limit of 75% for commercial real estate loans

Commercial and Industrial

- ✓ We provide a mix of variable and fixed rate commercial and industrial loans which are typically made to small and medium sized businesses
- ✓ Prior to the acquisition of Savoy, we had a very limited portfolio of commercial and industrial loans
- Strategic initiative to build out the C&I business includes the opening of the Freehold branch and expansion into Hauppauge while simultaneously hiring a specialized C&I team

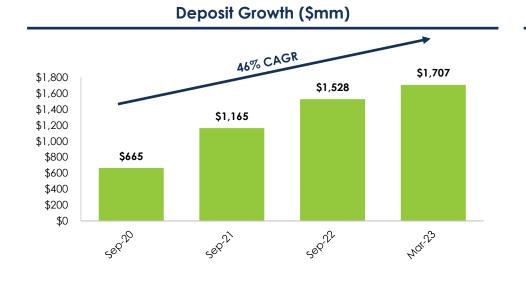


Growing Core Deposit Franchise



Diversifying our Deposit Composition

- Hired a Chief Municipal Officer and supporting personnel to initiate our municipal banking business, which has grown municipal deposit balances from \$74.3 million at December 31, 2020 to \$449.7 million at March 31, 2023, at a weighted average rate of 3.59%;
- Implemented a core processor IT conversion that resulted in a platform with a comprehensive suite of commercial deposit account capabilities; and
- Reduced wholesale funding levels (defined as Federal Home Loan Bank ("FHLB") borrowings, brokered deposits and Qwick Rate accounts).





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Noninterest-Bearing Deposit Growth (\$mm)

Asset Quality Managed Through Disciplined Policies and Procedures

Credit Philosophy	 Management utilized strong local community ties along with their experience with both federal and New York bank regulatory agencies to create a bank that emphasizes strong credit quality. Total loans having credit risk ratings of Special Mention or Substandard were \$25.2 million at March 31, 2023 versus \$32.6 million at September 30, 2022. Total non-accrual loans at March 31, 2023 were \$10.3 million, or 0.58% of total loans and Management believes all of the Company's non-accrual loans are well collateralized and no specific reserves have been taken with regard to these loans.
Credit Underwriting and Administration	 The Company has been prudently working with borrowers negatively impacted by the COVID-19 pandemic while managing credit risks and recognizing an appropriate allowance for loan losses. Net charge-offs of \$397K or 0.02% of average loans for the 6 months ended 3/31/2023; included in this are two purchased credit impaired loans acquired in the Savoy Bank acquisition totaling \$407 thousand. Allowance for loan losses of \$14.9 million or 0.95% of Hanover originated loans at 3/31/2023, which management has determined to be adequate based on an extensive review of multiple credit and economic factors.



Nonperforming Assets / Total Assets

Net Charge-off's / Average Loans





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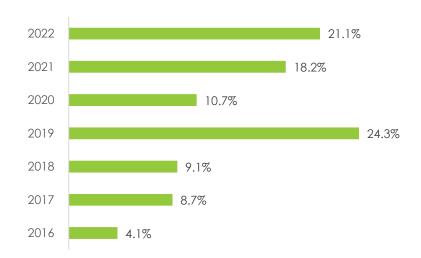
Appendix



Significant Consolidation of NYC Metro Community Banks Provides Growth Opportunities

% of Banks Acquired in NYC⁽¹⁾

Approximately 55% of banks⁽¹⁾ in NYC MSA were consolidated in the last 5 years



Long Island Significantly Consolidated





Acquired Institutions ranked by asset size 2016 2016 Deposits Deposits (\$mm) Rank Institution (\$mm) Institution Rank **>> kearny** 1 \$2,695 11 \$1,167 **Blue Foundry Bank** ConnectOne 2 \$3,344 BRIDGE BANCORP, INC \$2,926 \$695-Metropolitan Commercial Bank. amalgamated \$3,009 14 \$946 4 FINANCIAL CORP. \bigcirc 5 \$3,412 15 \$835 WINITY BANCORP PEAPACK-GLADSTONE BANK Northfield Constitution 6 \$2,714 Bancorp

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\$2,260

\$2,609

\$1,838

\$1,392

ORITANI

1NFirst

of Long Island Corporatio

BCBBank

SUFFOLK BANCORP

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Top 20 NYC MSA Banks in 2016⁽²⁾

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- Two RIVER

First Commerce Bank

BANCORP

SB_{One}

New Jersey

Bancorp

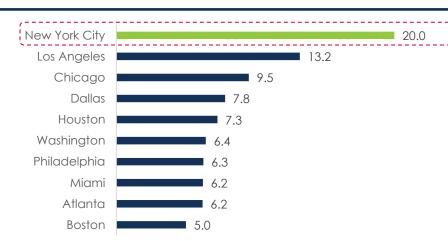
\$661

Source: SEC Filings; S&P Global Market Intelligence. Note: Dollars in millions.

(1) Banks in the NYC MSA acquired in a given year as a percentage of the number of institutions with total assets less than \$5 billion as of December 31st of the prior year. (2) Institutions ranked by asset size. Includes banks with total assets less than \$5 billion as of 12/31/2016.

New York MSA – A Leading U.S. Banking Market

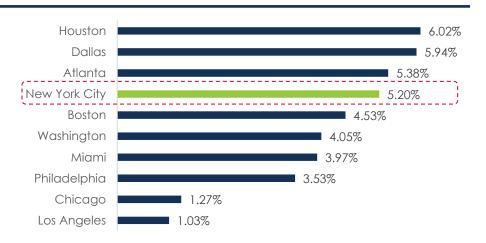
Most Populated MSA



Population (mm)

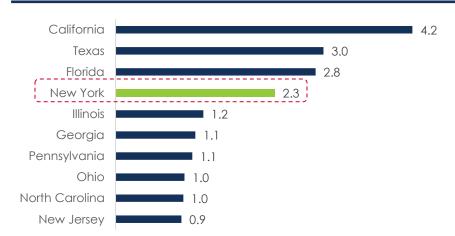
4th Fastest Growing MSA ⁽¹⁾

Projected Population Growth ('22-'27)



4th Most Small Businesses by State

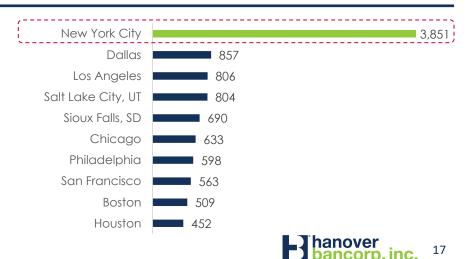
Small Businesses (mm)



Source: S&P Global Market Intelligence; SEC Filings; US Census. Note: Small Business data as of 2018. (1) Ranking amongst ten largest populated MSAs of 2022.

Largest Deposit Market (MSA)

Deposits (\$bn)



Non-GAAP Reconciliation Tangible Book Value per Common Share

	As of		ŀ	As of September 3	0,	
Non-GAAP Reconciliation Table	3/31/2023	2022	2021	2020	2019	2018
Book value per Common Share	\$24.62	\$23.69	\$22.02	\$18.69	\$17.28	\$15.14
Less: Goodwill and Other Intangible Assets	(\$2.66)	(\$2.69)	(\$3.53)	(\$0.46)	(\$0.36)	\$0.00
Tangible Book Value per Common Share	\$21.96	\$21.00	\$18.49	\$18.23	\$16.92	\$15.14
Common Stockholders' Equity	\$180,522	\$172,584	\$122,529	\$78,043	\$71,950	\$54,230
Less: Goodwill and Other Intangible Assets	(19,530)	(19,567)	(19,648)	(1,923)	(1,508)	0
Tangible Common Stockholders' Equity	\$160,992	\$153,017	\$102,881	\$76,120	\$70,442	\$54,230
Total Assets	2,071,720	1,840,058	1,484,641	851,606	848,836	649,963
Less: Goodwill and Other Intangible Assets	(19,530)	(19,567)	(19,648)	(1,923)	(1,508)	0
Tangible Assets	2,052,190	1,820,491	1,464,993	849,683	847,328	649,963
Tangible Common Equity ratio	7.84%	8.41%	7.02%	8.96%	8.31%	8.34%

Non-GAAP Reconciliation ROATCE / Pre-Provision Net Revenue/Average Assets

Non-GAAP Reconciliation Table	As of or For the Three Months Ended	As of or For the Six Months Ended	As of or For the Years Ended September 30,				
ROATCE / Pre-Provision Net Revenue/Average Assets	March 31, 2023	March 31, 2023	2022	2021	2020	2019	2018
			(dollars in	thousands)			
NetIncome	\$3,209	\$8,547	\$23,556	\$10,851	\$4,974	\$8,085	\$4,601
Average Common Stockholders' Equity	\$179,910	\$177,894	\$145,977	\$94,072	\$74,976	\$63,588	\$46,545
Less: Average Goodwill and Other Intangible Assets	(19,541)	(19,551)	(19,608)	(7,672)	(1,549)	(492)	-
Average Tangible Common Stockholders' Equity	\$160,369	\$158,343	\$126,369	\$86,400	\$73,427	\$63,096	\$46,545
Return on Average Common Stockholders'Equity	7.24%	9.64%	16.14%	11.53%	6.63%	12.71%	9.89%
Return on Average Tangible Common Stockholders' Equity	8.12%	10.83%	18.64%	12.56%	6.77%	12.81%	9.89%
Net Interest Income		\$29,188	\$61,254	\$41,708	\$27,122	\$22,421	\$18,221
Non-Interest Income		3,167	8,872	3,349	1,364	4,770	2,733
Non-Interest Expense		(18,838)	(35,181)	(30,005)	(21,022)	(15,887)	(11,880)
Pre-Provision Net Revenue		\$13,517	\$34,945	\$15,052	\$7,464	\$11,304	\$9,074
Pre-Provision Net Revenue (annualized)		\$27,108	\$34,945	\$15,052	\$7,464	\$11,304	\$9,074
Average Assets		\$1,858,540	\$1,522,374	\$1,092,934	\$852,054	\$697,866	\$567,220
Pre-Provision Net Revenue/Average Assets		1.46%	2.30%	1.38%	0.88%	1.62%	1.60%