National Bank Holdings CORPORATION®

Investor Presentation

Q3 – 2023

Forward-Looking Statements

This presentation contains “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements contain words such as “anticipate,” “believe,” “can,” “would,” “should,” “could,” “may,” “predict,” “seek,” “potential,” “will,” “estimate,” “target,” “plan,” “project,” “continuing,” “ongoing,” “expect,” “intend” or similar expressions that relate to the Company’s strategy, plans or intentions. Forward-looking statements involve certain important risks, uncertainties and other factors, any of which could cause actual results to differ materially from those in such statements. Such factors include, without limitation, the “Risk Factors” referenced in our most recent Form 10-K filed with the Securities and Exchange Commission (SEC), other risks and uncertainties listed from time to time in our reports and documents filed with the SEC, and the following factors: difficulties in integrating the NBHC, Community Bancorporation, Bancshares of Jackson Hole Incorporated, or Cambr Solutions, LLC businesses or fully realizing cost savings and other benefits; business disruption following the mergers; ability to execute our business strategy (including our digital strategy); business and economic conditions; effects of any potential government shutdowns; economic, market, operational, liquidity, credit and interest rate risks associated with the Company’s business; effects of any changes in trade, monetary and fiscal policies and laws; changes imposed by regulatory agencies to increase capital standards; effects of inflation, as well as, interest rate, securities market and monetary supply fluctuations; changes in the economy or supply-demand imbalances affecting local real estate values; changes in consumer spending, borrowings and savings habits; with respect to our mortgage business, the inability to negotiate fees with investors for the purchase of our loans or our obligation to indemnify purchasers or repurchase related loans; the Company’s ability to identify potential candidates for, consummate, integrate and realize operating efficiencies from, acquisitions, consolidations and other expansion opportunities; the Company's ability to realize anticipated benefits from enhancements or updates to its core operating systems from time to time without significant change in client service or risk to the Company's control environment; the Company's dependence on information technology and telecommunications systems of third-party service providers and the risk of systems failures, interruptions or breaches of security; the Company’s ability to achieve organic loan and deposit growth and the composition of such growth; changes in sources and uses of funds; increased competition in the financial services industry; the effect of changes in accounting policies and practices; the share price of the Company’s stock; the Company's ability to realize deferred tax assets or the need for a valuation allowance; the effects of tax legislation, including the potential of future increases to prevailing tax rules, or challenges to our positions; continued consolidation in the financial services industry; ability to maintain or increase market share and control expenses; costs and effects of changes in laws and regulations and of other legal and regulatory developments; technological changes; the timely development and acceptance of new products and services, including in the digital technology space our digital solution 2UniFi; the Company’s continued ability to attract, hire and maintain qualified personnel; ability to implement and/or improve operational management and other internal risk controls and processes and reporting system and procedures; regulatory limitations on dividends from our bank subsidiaries; changes in estimates of future credit reserve requirements based upon the periodic review thereof under relevant regulatory and accounting requirements; widespread natural and other disasters, pandemics, dislocations, political instability, acts of war or terrorist activities, cyberattacks or international hostilities; a cybersecurity incident, data breach or a failure of a key information technology system; impact of reputational risk; and success at managing the risks involved in the foregoing items. The Company can give no assurance that any goal or plan or expectation set forth in forward-looking statements can be achieved and readers are cautioned not to place undue reliance on such statements. The forward-looking statements are made as of the date of this press release, and the Company does not intend, and assumes no obligation, to update any forward-looking statement to reflect events or circumstances after the date on which the statement is made or to reflect the occurrence of unanticipated events or circumstances, except as required by applicable law.

Further Information: This presentation should be read together with “Management’s Discussion and Analysis of Financial Condition and Results of Operations” and the consolidated financial statements and the related notes thereto included in our Form 10-K and quarterly reports

About Non-GAAP Financial Measures

Certain of the financial measures and ratios we present, including “tangible assets,” “return on average tangible assets,” “tangible common equity,” “return on average tangible common equity,” “tangible common book value per share,” “tangible common equity to tangible assets,” “adjusted non-interest expense,” “efficiency ratio adjusted for other intangible asset amortization and acquisition-related expenses,” “adjusted net income,” “adjusted earnings per share – diluted,” “net income adjusted for the impact of other intangible asset amortization expense and acquisition-related expenses, after tax,” “adjusted return on average tangible assets,” “adjusted return on average tangible common equity,” “pre-provision net revenue,” “pre-provision net revenue adjusted for acquisition-related expenses,” and “fully taxable equivalent” metrics, are supplemental measures that are not required by, nor presented in accordance with, U.S. generally accepted accounting principles (GAAP). We refer to these financial measures and ratios as “non-GAAP financial measures.” We consider the use of select non-GAAP financial measures and ratios to be useful for financial and operational decision making and useful in evaluating period-to-period comparisons. We believe that these non-GAAP financial measures provide meaningful supplemental information regarding our performance by excluding certain expenditures or assets that we believe are not indicative of our primary business operating results or by presenting certain metrics on a fully taxable equivalent basis. We believe that management and investors benefit from referring to these non-GAAP financial measures in assessing our performance and when planning, forecasting, analyzing and comparing past, present and future periods. These non-GAAP financial measures should not be considered a substitute for financial information presented in accordance with GAAP and you should not rely on non-GAAP financial measures alone as measures of our performance. The non-GAAP financial measures we present may differ from non-GAAP financial measures used by our peers or other companies. We compensate for these limitations by providing the equivalent GAAP measures whenever we present the non-GAAP financial measures and by including a reconciliation of the impact of the components adjusted for in the non-GAAP financial measure so that both measures and the individual components may be considered when analyzing our performance.

A reconciliation of non-GAAP financial measures to the comparable GAAP financial measures is included in the appendix.

National Bank Holdings CORPORATION

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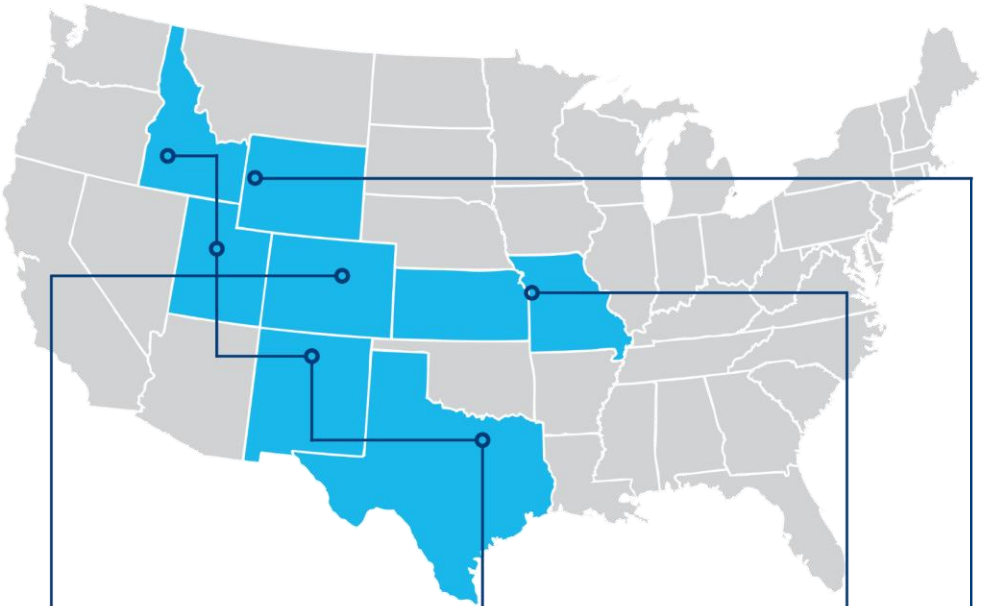
Attractive Markets



Community Banks of Colorado

38 banking centers
- Front Range contributed 95% of Colorado's population growth between 2010 and 2020 [1]
- #2 Best Economy in the U.S. *(U.S. News 2023)*
- #4 on America's Top States for Business (*CNBC 2022)*

Hillcrest Bank

15 banking centers across Utah, New Mexico, and Idaho

2 commercial banking locations in Texas
- Utah: #1 in Top Housing Markets Ranking *(Realtor.com 2021)*
- Utah: #1 Best Economy in the U.S. *(U.S. News 2023)*
- Utah: #8 on America's Top States for Business (*CNBC 2022)*
- Texas: #9 Best Economy in the U.S. *(U.S. News 2023)*

Bank Midwest

34 banking centers
- Overland Park, KS - central hub for the #1 county in Kansas by household income and projected population growth[2]
- Overland Park, KS #7 on "2020 Top 100 Best Places to Live" *(Livability 2020)*
- Kansas City, MO #7 on Zillow's hottest housing markets for 2023 *(Zillow 2023)*
- Kansas City, MO #10 Best City for Startups *(Kansas City Business Journal 2022)*

Bank of Jackson Hole

8 banking centers[3]
- Wyoming: #1 in State Business Tax Climate Index *(Tax Foundation 2023)*
- Wyoming: #1 Tax Friendly state for middle income families *(Kiplinger 2022)*

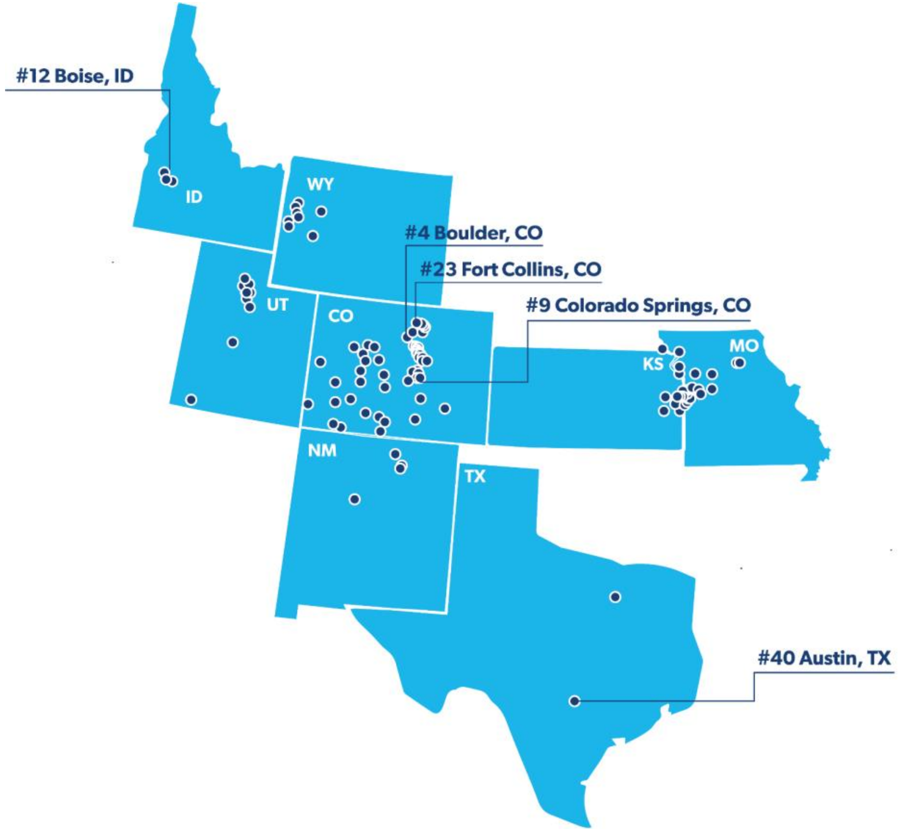
[1]Colorado State Demography Office – "Colorado's 2020 Population & Economic Overview"
[2]Ranking based on aggregate population growth for 2019-2024
[3]Includes one banking center shared by NBH Bank and BOJH Trust

Company Highlights	
Headquarters	Denver, CO
Banking Centers[1]	97
Listing	NYSE: NBHC
Balance Sheet	**3Q23**
Total Assets (mm)	$9,866
Total Loans (mm)	$7,478
Total Deposits (mm)	$8,149
Key Ratios	**YTD23**
Common Equity Tier 1	11.61%
Tier 1 Leverage	9.56%
ROATA[2][3]	1.61%
ROATCE[2][3]	18.81%
Net Interest Margin FTE[2][3]	4.12%
ACL / Loans	1.25%
Efficiency Ratio FTE[2][4]	53.74%

[1]As of September 30, 2023. Includes one banking center shared by NBH Bank and BOJH Trust.
[2]Represents a non-GAAP financial measure. See Appendix for a reconciliation of these measures.
[3]Annualized
[4]Excluding other intangible asset amortization

Recent Recognition

- Strong Balance Sheet
- Robust Profitability
- Positioned in Attractive Markets
- Premium Valuation



#4 and #9
Boulder, CO and Colorado Springs, CO Market Presence in Top 10 Best Places to Live[1]

#4
Colorado Market Share (Among Local Banks)[2]

#6
Kansas City, MO-KS MSA Market Share (Among Local Banks)[2]

Consistently Regarded as a Top Tier Bank

BankDirector. RANKING BANKING. THE BEST BANKS 2022 — #9 *Best Small Regional Banks*

#92 on Fortune's Fastest Growing Companies list & #93 in total value creation *(Fortune 2021)*

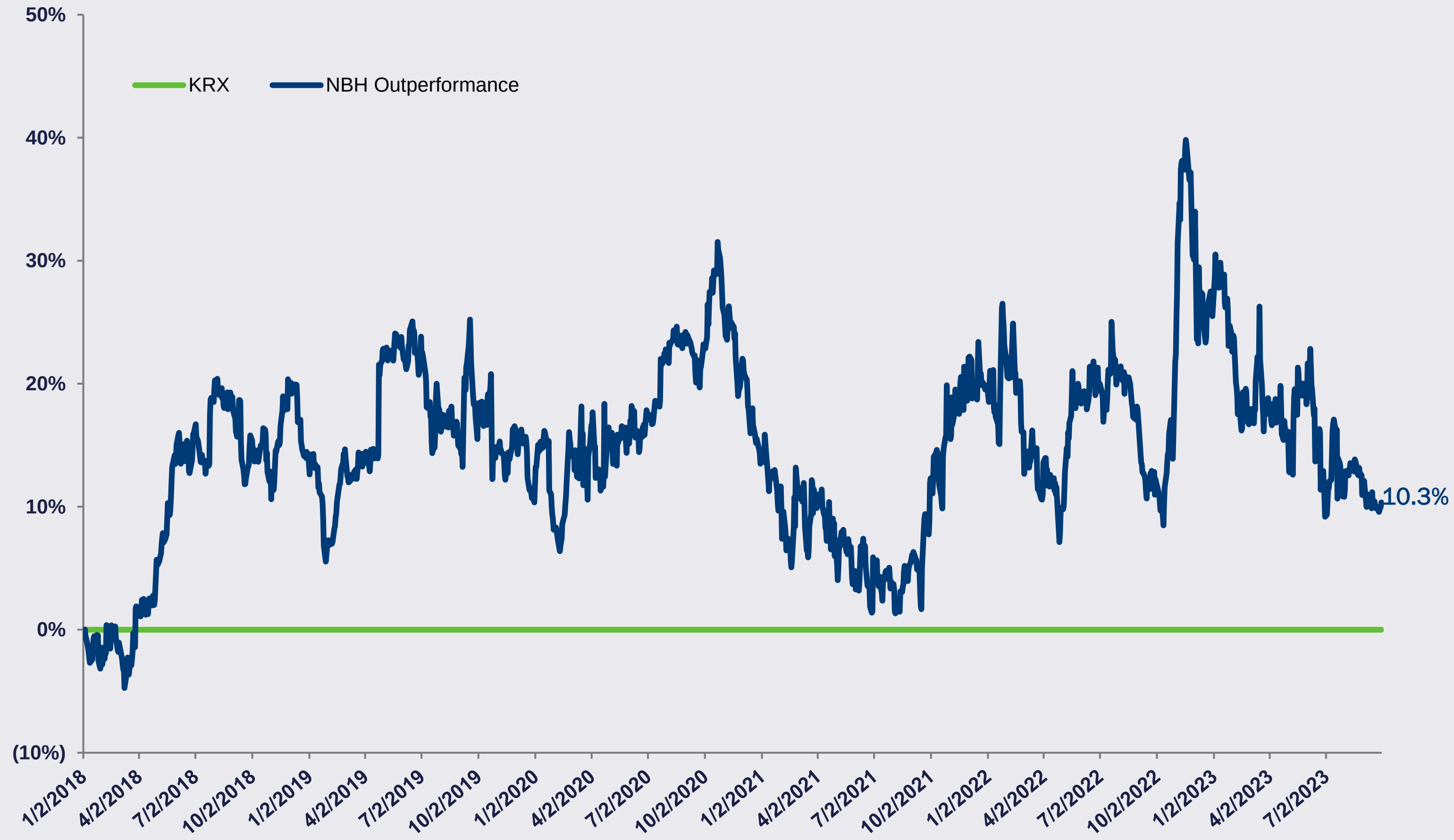
SBA **2023 Most Impactful 7a Lender in Colorado[3]**

SBA **2023 Largest 504 Lender in Utah[4]**

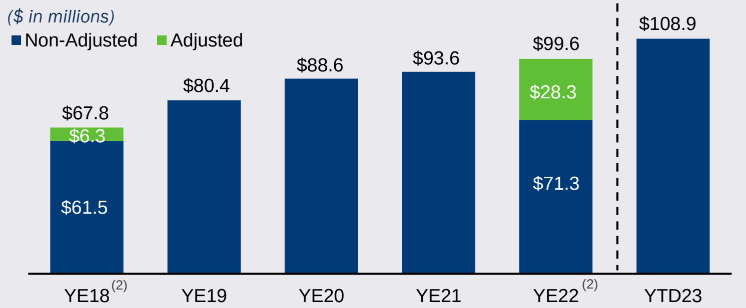
Sources: S&P Global Market Intelligence
[1]U.S. News, published 5/23/2023
[2]Deposit data as of 6/30/2023. Figures include banks headquartered in respective state
[3]US Small Business Administration Colorado District Office
[4]US Small Business Administration Utah District Office

Shareholder Returns

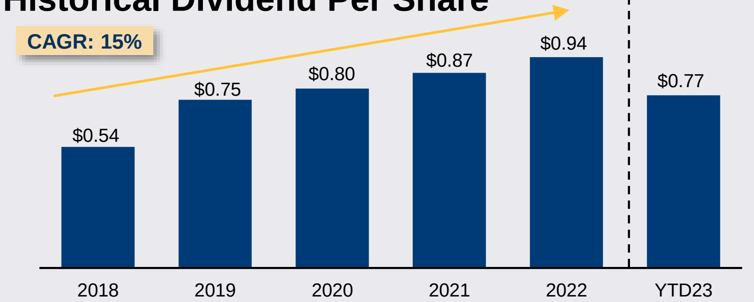
Performance of NBH Shareholder Returns vs. KRX Regional Banking Index[1] Since 2018



Net Income



Historical Dividend Per Share



Dividend Payout Ratio Target

Source: S&P Global Market Intelligence, FactSet Research Systems, Bloomberg; market data as of 9/30/2023
[1]Index of approximately 50 regional banks tracked by KBW
[2]Represents a non-GAAP financial measure. See Appendix for a reconciliation of these measures.

Financial Performance

Q3 2023 Financial Highlights

Net Income
$36.1 million
3.92% Net interest margin FTE[1]

Capital Ratios
11.6% Common Equity Tier 1 Ratio

Deposits
Approximately 70% FDIC insured deposits

Loan Growth
Loans outstanding of $7.5 billion

ACL / Loans
1.25%

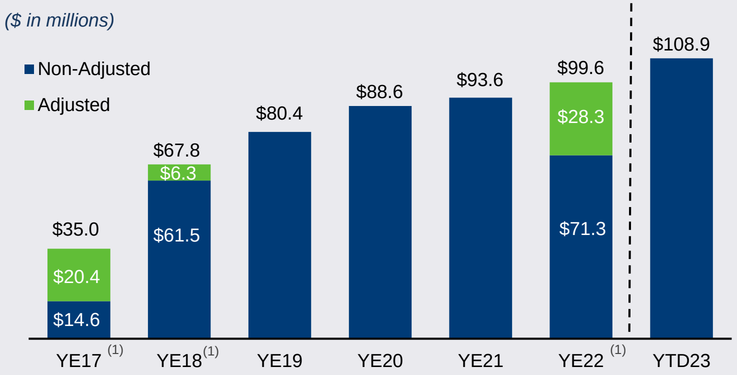
Expense
53.9% efficiency ratio FTE[1][2]

[1]Represents a non-GAAP financial measure. See Appendix for a reconciliation of these measures.
[2]Excluding other intangible asset amortization

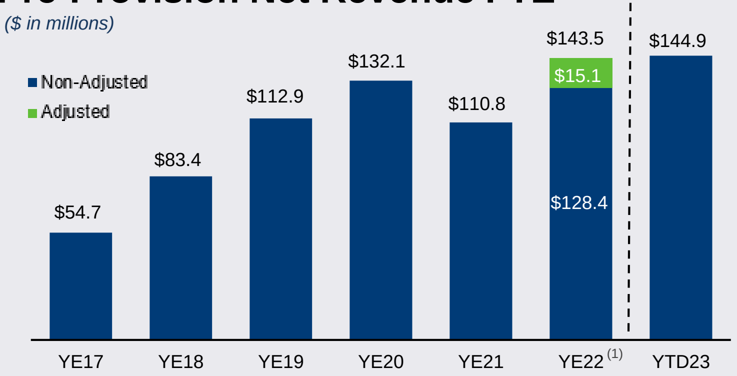
- Quarterly earnings increased 10.8% to $0.94 per diluted share
- YTD net income increased 67.5% to $108.9 million, or $2.85 per diluted share, over the same period in the prior year, adjusting for acquisition-related expenses
- The fully taxable equivalent net interest margin was 3.92%. Total deposit beta to date in the current rate cycle is 28%
- Strong capital with tangible common equity to tangible assets ratio of 8.50% and tier 1 leverage ratio of 9.56%
- Cash/investment securities portfolio with an average duration of 3.9 years
- Total loans increased $64.1 million or 3.4% annualized to $7.5 billion, over 2Q23
- Generated quarterly loan fundings totaling $324.1 million with a weighted average new loan origination rate of 8.6%
- Maintained excellent credit quality with one basis point of annualized quarterly net charge-offs

Profitable Steady Growth

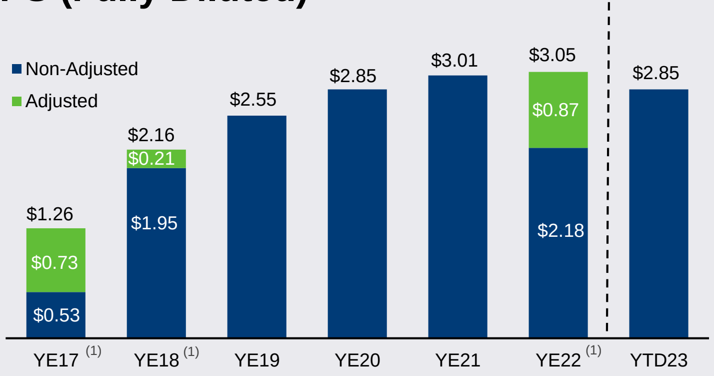
Net Income



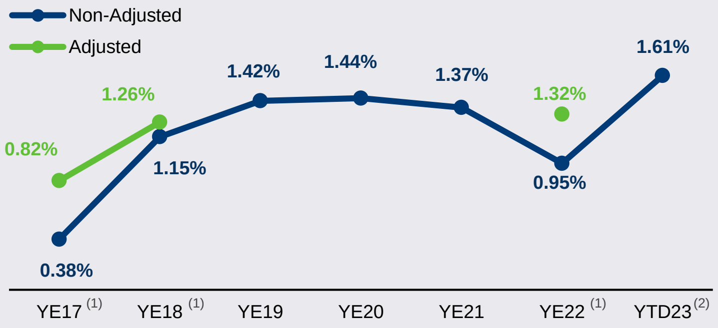
Pre-Provision Net Revenue FTE(1)



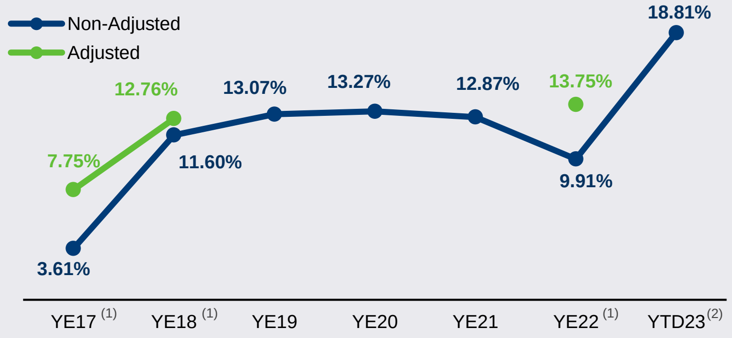
EPS (Fully Diluted)



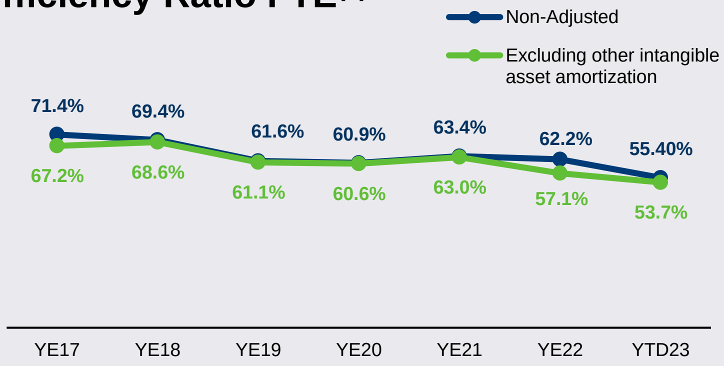
ROATA(1)



ROATCE(1)



Efficiency Ratio FTE(1)



(1)Represents a non-GAAP financial measure. See Appendix for a reconciliation of these measures.
(2)Annualized

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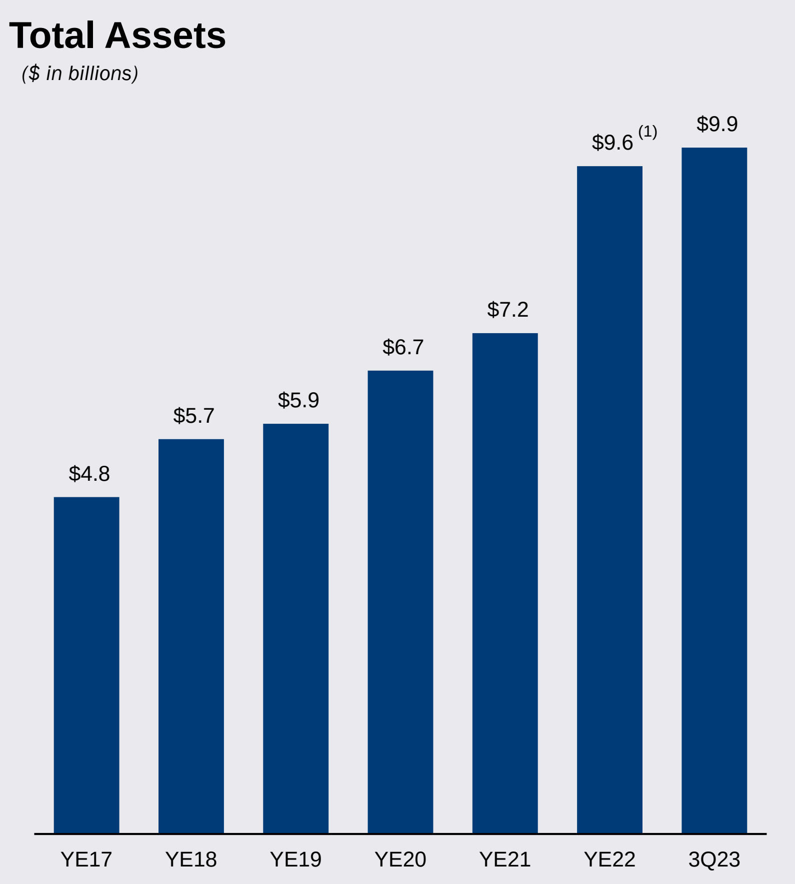
Growth Trends



(1) Includes $2.3 billion of total assets added through the Rock Canyon Bank and Bank of Jackson Hole acquisitions in 2022.
(2) Includes $1.7 billion of loans added through the Rock Canyon Bank and Bank of Jackson Hole acquisitions in 2022.
(3) Represents a non-GAAP financial measure. See Appendix for a reconciliation of these measures.

Trust and Wealth Partners

- Trust and Wealth Management solution tailored to high net worth individuals
- Scalable Private Wealth team provides a broad range of financial and retirement planning solutions, creating an opportunity to further leverage the platform to new and existing NBH clients
- Established relationships with strong investment and research partners drives ability to cross-sell
- Fee income drives revenue diversification and attractive recurring earnings

BANK OF JACKSON HOLE TRUST

325+
High Net Worth Clients

$850mm+
AUM

Regulatory Capital

- $363 million in excess capital over 7.0% common equity tier 1 risk-based regulatory requirement
- Double-leverage ratio of 94.9%
- Holding company cash reserves of $62 million

Capital Ratios – 3Q23	
TIER 1 LEVERAGE	9.6%
COMMON EQUITY TIER 1 RISK-BASED	11.6%
TIER 1 RISK-BASED	11.6%
TOTAL RISK-BASED	13.5%
TANGIBLE COMMON EQUITY TO TANGIBLE ASSETS[1]	8.5%

[1] *Represents a non-GAAP financial measure. See Appendix for a reconciliation of these measures.*

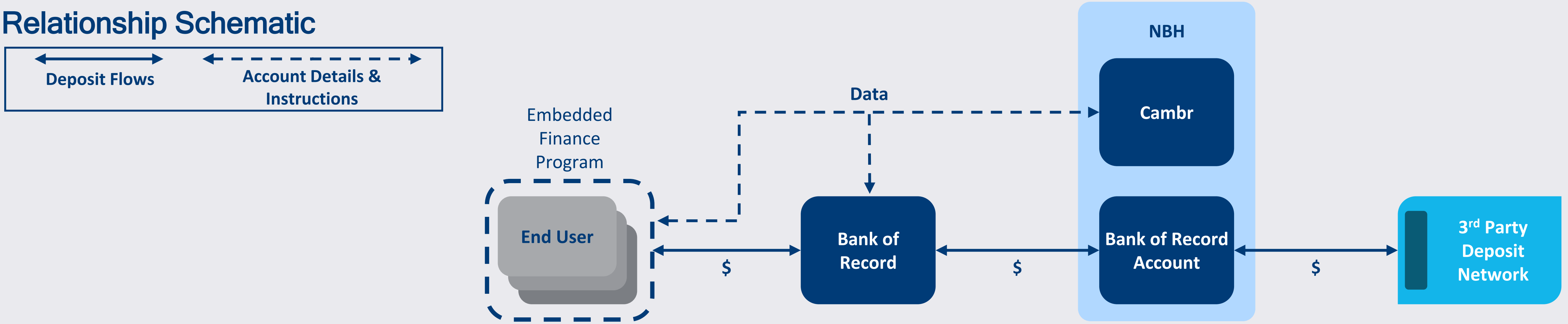
National Bank Holdings CORPORATION

Cambr Acquisition

Cambr Overview

Diversifies NBH's Deposit Franchise with Minimal Overhead Costs

Relationship Schematic



About Cambr

- Cambr is a deposit acquisition and processing platform that is designed to (i) service banks in recordkeeping for core deposits received via exclusive relationships with embedded finance companies and (ii) allocate deposits in excess of FDIC insurance to other insured depository institutions to maximize insurance for customers.
- Cambr has relationships with leading embedded finance companies and their partner banks to provide them these deposit services.
- Cambr allocates these deposits to a third party network of banks.
- Cambr generates revenue through a revenue share based on the interest income derived from the third party bank network.

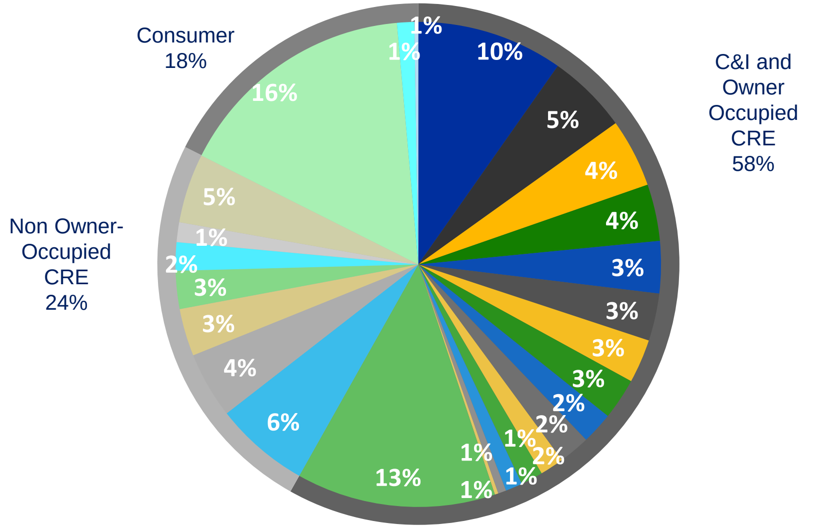
Strategic Rationale

- **Funding Flexibility**: Certain relationships with Banks of Record enable NBH to keep deposits or "push" them to the bank network as needed
  - Manage liquidity
  - Manage capital (leverage ratio)
- **Minimal Overhead:** The Cambr platform is primarily fixed expense base with minimal variable expenses
- **Competitive Hedge:** Benefit from ongoing embedded finance competition and disruption in the banking industry
- **Income Diversification:** Cambr income is not tied to NBH balance sheet growth
- **Multitude of Use Cases:** Cambr's technology can support deposit management for a broad range of business segments

Credit

Uniquely Diversified $7.5 Billion Loan Portfolio

Concentrations



C&I and Owner Occupied CRE , 58%

- Government & Municipal, 10%
- Equipment Leasing, 5%
- Restaurant, 4%
- Educational Services, 4%
- Transportation & Warehousing, 3%
- Agribusiness, 3%
- Manufacturing, 3%
- Retail Trade, 3%
- Real Estate Rental & Leasing, 2%
- Materials & Construction Companies, 2%
- Financial Services, 2%
- Lender Finance, 1%
- Food and Other, 1%
- Wholesale Trade, 1%
- Oil & Gas, 1%
- All Other C&I, 13%

Non Owner Occupied CRE, 24%

- Hotel & Lodging, 6%
- Multifamily, 4%
- Commercial Construction, 3%
- Land Development, 3%
- Warehouse & Industrial, 2%
- Office, 1%
- All Other, 5%

Consumer, 18%

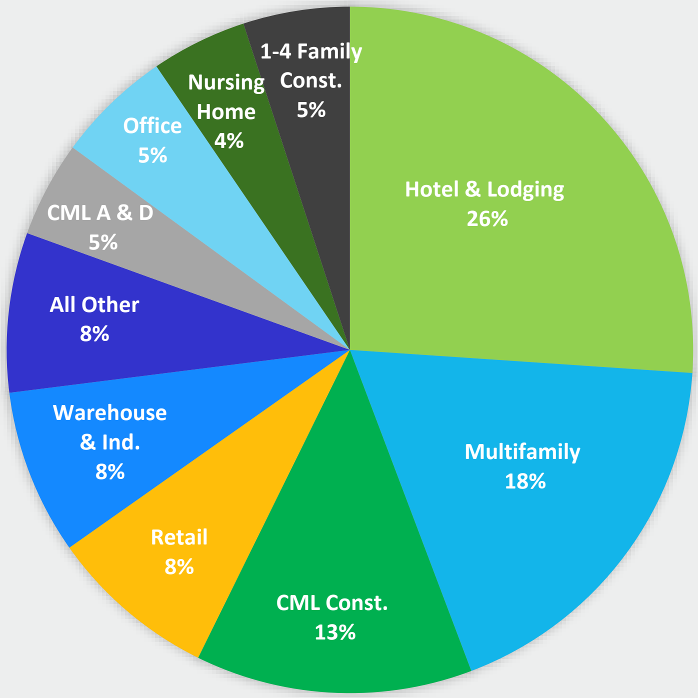
- Residential Sr. Lien, 16%
- Residential Jr. Lien, 1%
- Consumer, 1%

Granular and Well-Diversified Loan Portfolio

- Self-imposed concentration limits ensure a granular and diverse loan portfolio and protect against downside risk to any particular industry or real estate sector
- Individual industry sectors are limited to no more than 15% of total loan commitments, with the majority being 10% or less
- Non owner-occupied CRE is 172% of risk-based capital and no specific property type exceeds 7%
- New commercial loans originated YTD:
  - Average funding of $1.3 million
  - Weighted average commitment, including unused, of $1.8 million
- Residential loans originated YTD:
  - Average funding of $322 thousand
  - Average FICO of 767
  - Average LTV of 73%
- Top 25 originated relationships as of September 2023:
  - Average funded balance of $19 million
  - Average commitment of $31 million

Granular CRE Portfolio

Non-Owner Occupied CRE



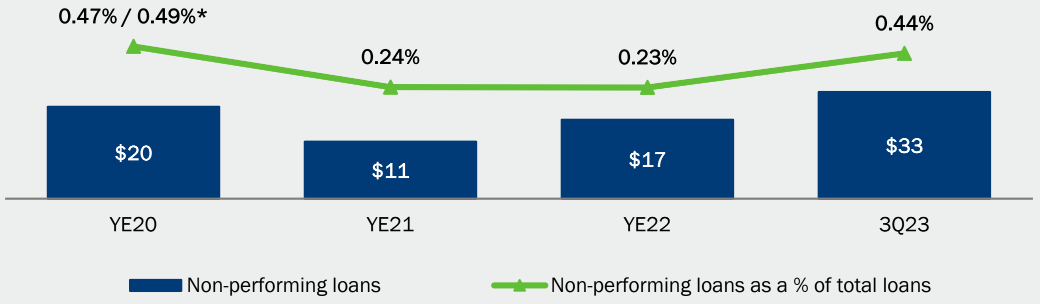
Non-Owner Occupied CRE Portfolio Characteristics

- Office:
  - Average LTV of 48.5%
  - 1.3% of total loans
- Retail:
  - Average LTV of 57.3%
  - 1.9% of total loans
- Multi-Family:
  - Average LTV of 50.8%
  - 4.4% of total loans

Strong Credit Quality History

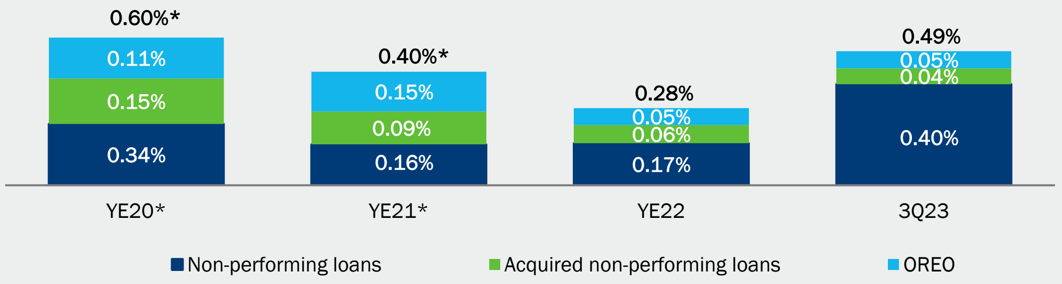
($ in millions)

Non-performing Loans



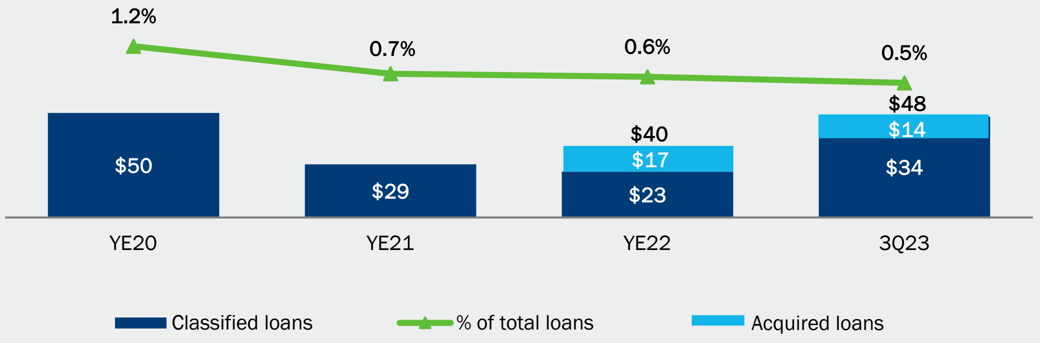
* Excludes PPP loans

Non-performing Asset Composition

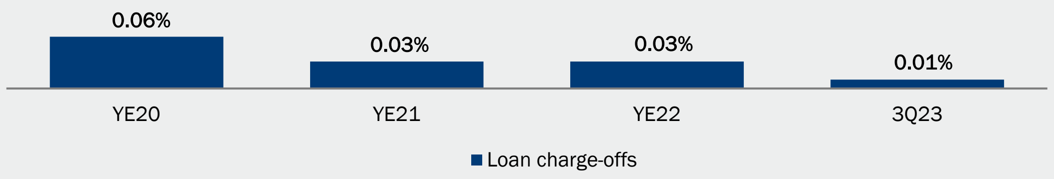


** Excludes PPP loans. Non-performing assets to total loans and OREO totaled 0.58% and 0.39% for YE20 and YE21, respectively*

Total Classified Loans



Net Charge-Offs[1]



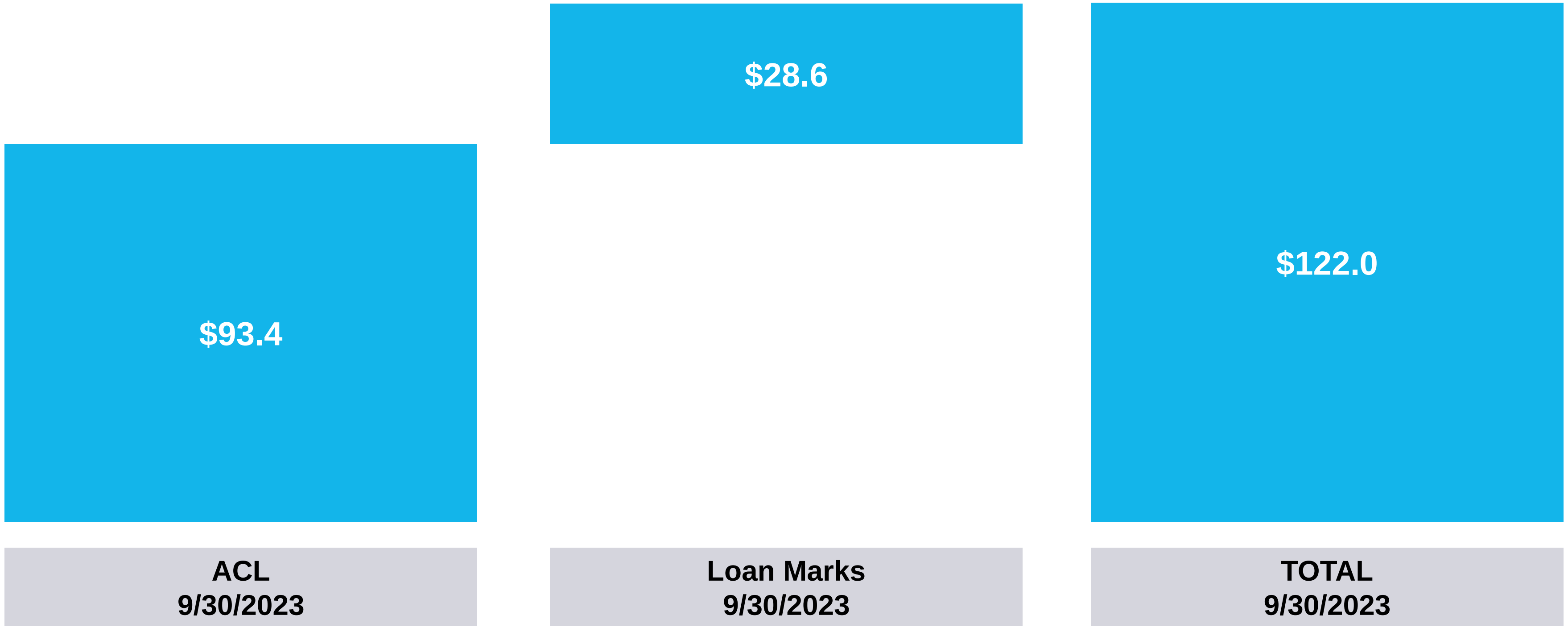
[1]As a % of average total loans

Credit Loss Protection

ACL/Total Loans
1.25%

Loan Marks/Total Loans
0.38%[1]

Total Loan Loss Coverage Including Loan Marks
1.63%[1]



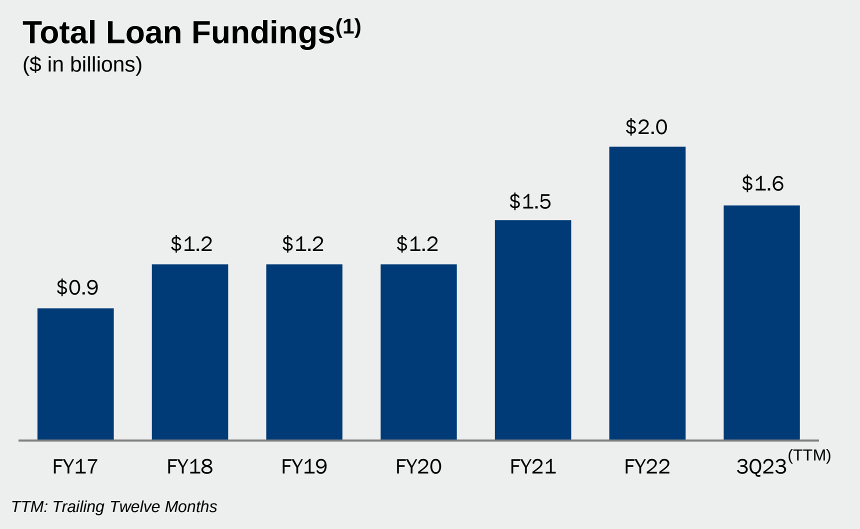
All dollars in millions
[1]Represents a non-GAAP financial measure

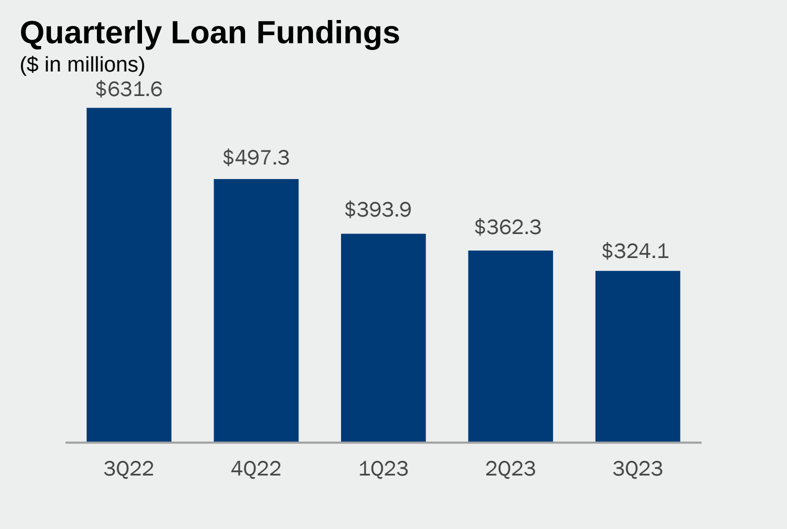
National Bank Holdings Corporation

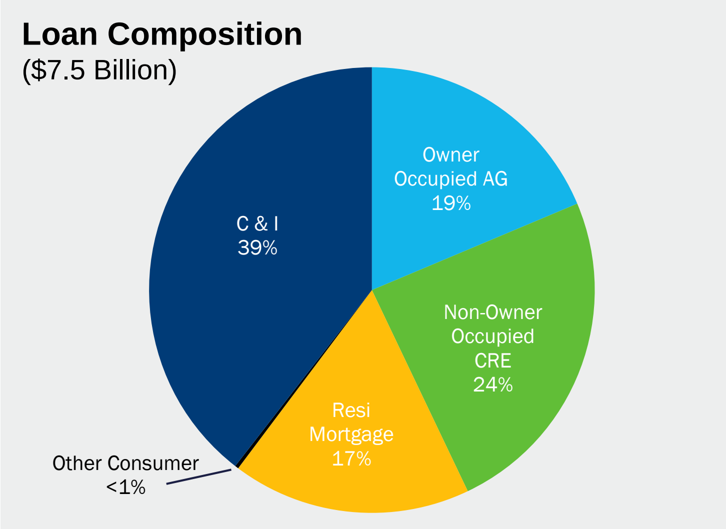
Balance Sheet

National Bank Holdings CORPORATION

Solid Loan Growth



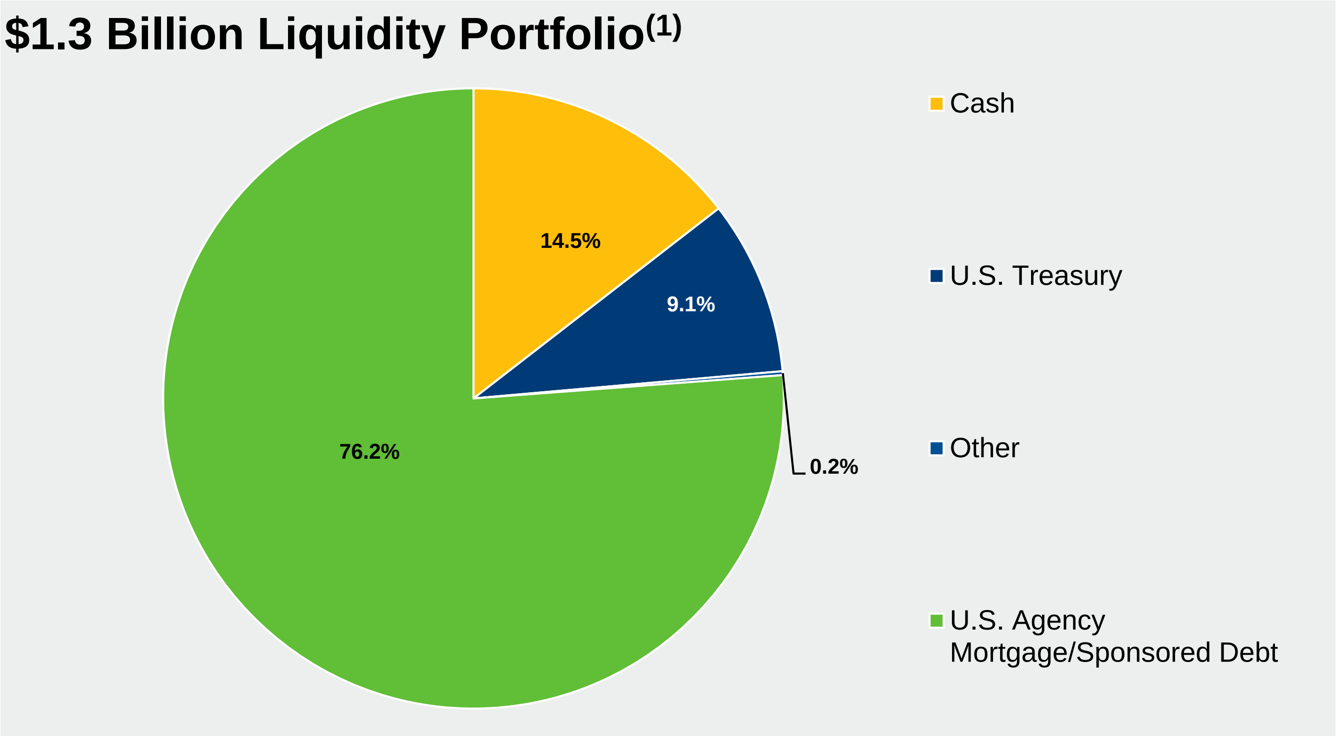




(1)Excludes loans held-for-sale

- Portfolio built on a relationship-banking strategy, with emphasis on depository and treasury management relationships
- Self-imposed concentration limits; majority of industry sectors limited to 10% or less of total loan commitments
- Industries requiring in-depth knowledge are managed by specialty banking teams, with dedicated specialist underwriters
- New loan fundings over the trailing twelve months totaled a $1.6 billion, led by commercial loan fundings of $0.8 billion
- Generated quarterly loan fundings totaling $324.1 million with a weighted average new loan origination rate of 8.6%

High Quality Liquidity Portfolio: $1.3 Billion



[(1)]Represents market value as of September 30, 2023, regardless of AFS/HTM designation. Excludes investments made under equity accounting method.

- Liquidity portfolio duration of 3.9 years
- Portfolio used exclusively as an on-balance sheet source of liquidity:
  - 46% unencumbered
  - 46% pledged directly to client deposits or repo
  - 8% pledged to Fed discount window
- No credit risk exists given 99.8% of investment portfolio is U.S. agency/sponsored agency and U.S. Treasury backed

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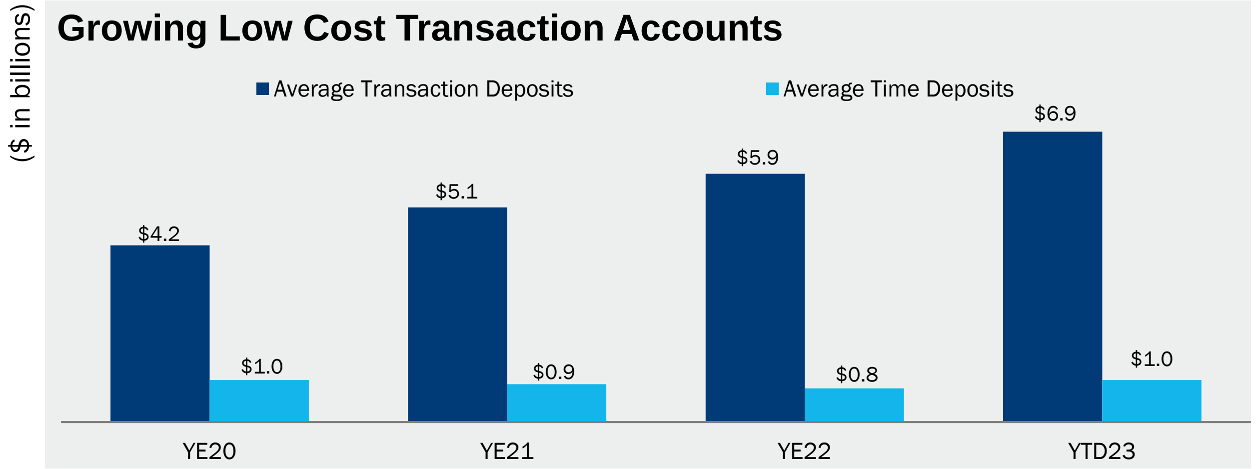
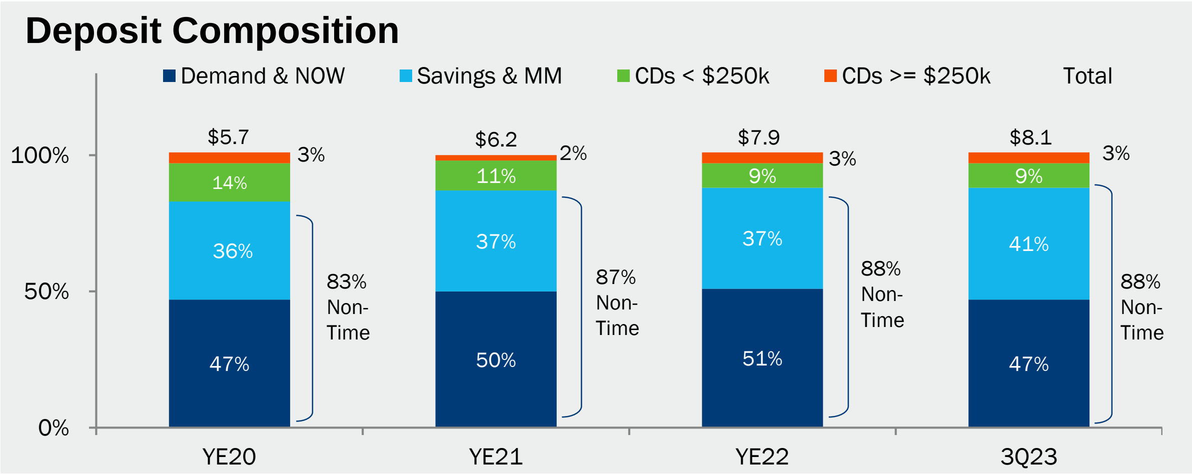
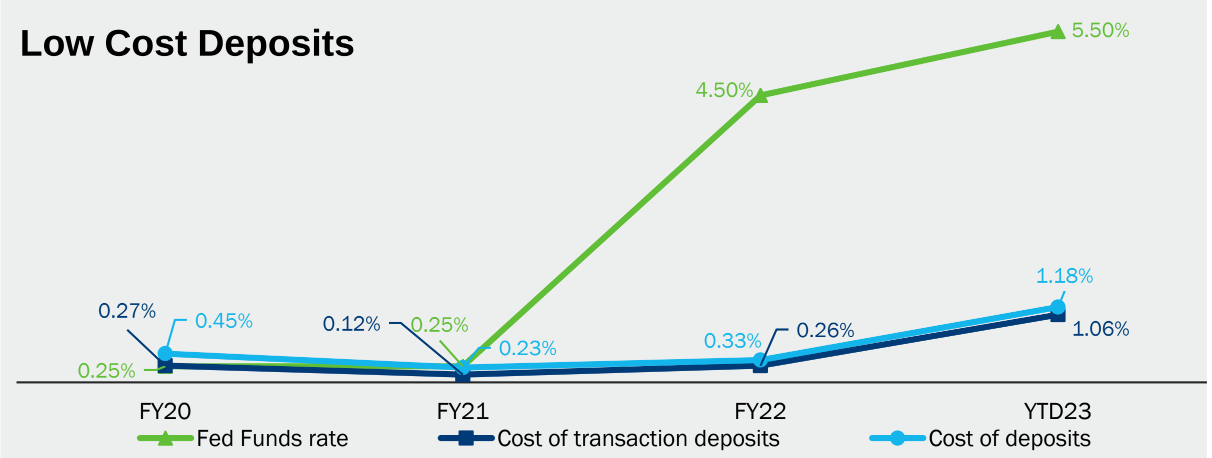
Low Cost Transaction Deposits





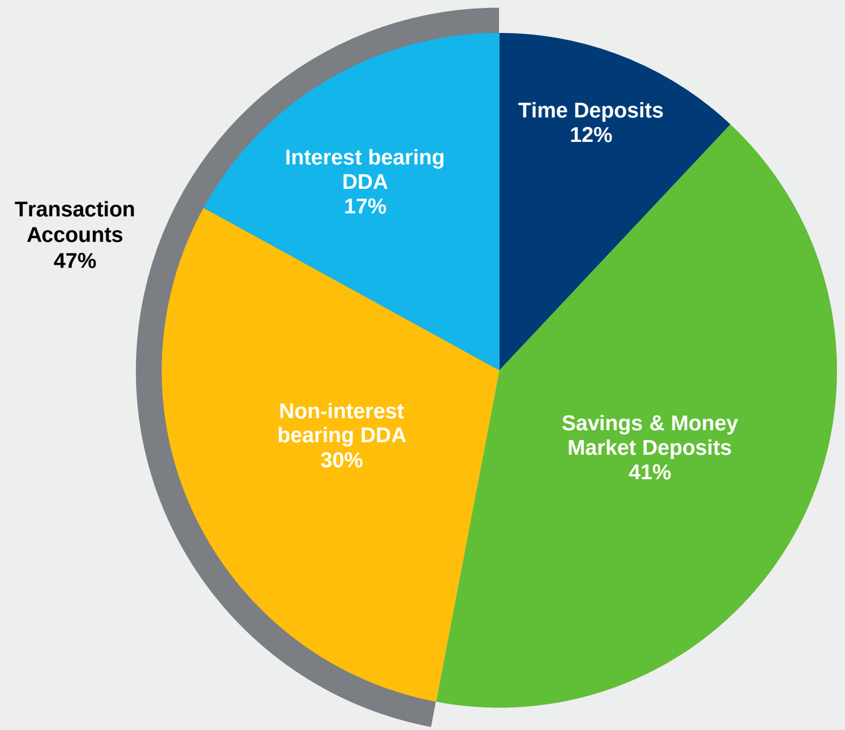


Granular Deposit Base

- No exposure to venture capital or crypto deposits
- Average total deposits increased $116.1 million, or 5.8% annualized, to $8.1 billion over 2Q23
- The mix of transaction deposits to total deposits remained consistent at 87.8%
- Improved balance sheet funding mix during 3Q23 and utilized the funding provided by the quarter's deposit growth to pay down $68.2 million of Federal Home Loan Bank advances
- Total deposit beta to date in the current rate cycle is 28%

Relationship Focused Deposit Base: $8.1 Billion

Deposit Composition



- Approximately 70% FDIC insured
- Granular deposit base:
  - Average deposit balance on full relationship basis just $50 thousand
  - Average deposit per account $26 thousand
- Approximately $0.8 billion of deposits collateralized
- No concentrations to any industry, sector or geography
- No venture capital or crypto deposits

Management Team

Experienced Management Team

Tim Laney
Chairman, President & CEO
(42 years in banking)

- Head of Business Services at Regions Financial, where he also led the transformation of wholesale lines of business
- Senior management roles in small business, commercial banking, private banking, corporate marketing and change management and Management Operating Committee member at Bank of America; also served as President, Bank of America, Florida

Aldis Birkans
Chief Financial Officer
(25 years in financial industry)

- Senior Vice President, Treasurer at NBHC
- Vice President, Assistant Treasurer at M&I Bank
- Senior Vice President, Corporate and Investment Bank Treasury at Citigroup

Richard Newfield
Chief Risk Management Officer
(39 years in banking)

- Head of Business Services Credit at Regions Financial
- Senior roles in risk management, credit, commercial banking, global bank debt and corporate marketing at Bank of America

Angela Petrucci
Chief Administrative Officer & General Counsel
(22 years in legal and banking)

- Senior Vice President, General Counsel at NBH Bank
- In House Counsel at Accenture and an associate at Chapman and Cutler LLP
- Started career as a commercial banker at First Chicago Bank (now JP Morgan Chase)

Valerie Kramer
EVP, Chief Digital Officer

- 20+ years of financial services experience
- Served in multiple Treasury Management and Client Solution roles with NBH Bank, including Treasury Management Director, over a 13 year period

Christopher Randall
EVP, Commercial, Specialty and Business Banking

- 25+ years of banking experience
- Previously Senior Managing Director, Specialty Banking since 2013
- Director and Founder of CoBiz Structured Finance
- Executive of Marquette Financial Companies

Ruth Stevenson
EVP, Chief Client Executive, Deposit Operations Executive and Regional President

- 45+ years of financial services experience
- Served in a number of roles with Peoples Bank over an 18-year period
- Worked in a variety of roles, including President of a community bank, Director of Retail, Director of a mortgage division and Operations Manager for a mortgage division

Nicole Van Denabeele
EVP, Chief Accounting Officer and President, Bank Midwest

- 20 years of financial services experience
- Controller at Polsinelli, PC
- Senior Vice President, Assistant Controller at UMB Financial Corporation
- Started career in public accounting at Deloitte, LLP

Brendan Zahl
EVP, Personal, Private and Residential Banking

- 20+ years of banking experience
- Retail, Commercial Deposit and Lending Management at Peoples National Bank; served as Peoples National Bank CEO from 2012-2017
- Progressive leadership growth during 10-year tenure at FirstBank

Management & Directors

Beneficial Ownership (as of 9/30/23)

NBHC MANAGEMENT & DIRECTORS	BENEFICIAL OWNERSHIP[1]	PERCENT OF CLASS[2]
G. Timothy Laney	545,790	1.44%
Aldis Birkans	83,513	0.22%
Richard U. Newfield, Jr.	188,216	0.50%
Angela Petrucci	24,735	0.07%
Ralph W. Clermont	89,162	0.24%
Robert E. Dean	32,815	0.09%
Alka Gupta	7,831	0.02%
Fred J. Joseph	22,219	0.06%
Patrick Sobers	37,377	0.10%
Micho F. Spring	39,159	0.10%
Art Zeile	18,268	0.05%
All current NBHC management and directors as a group (14 persons)	1,223,282	3.21%

(1) Includes unvested restricted shares for which the director or officer has voting power and shares issuable upon the exercise of options as well as indirect ownership. Does not include unvested performance stock units.
(2) Calculated in accordance with Item 403 of Regulation S-K,and based on 37,739,776 shares of Class A common stock outstanding and entitled to vote and 263,075 shares of unvested restricted stock entitled to vote.

National Bank Holdings CORPORATION

Corporate Governance

Best Practices In Governance and Compensation

NBHC's corporate governance policies and executive compensation practices support our business and align with best practices

Corporate Governance
✓ Lead Independent Director with robust role and responsibilities
✓ Majority independent Board
✓ No short-selling, hedging, or pledging of NBHC shares (applies to all NBHC and NBH Bank insiders)
✓ Annual election of Board members and say-on-pay vote
✓ Fully independent Audit & Risk, Compensation, and Nominating & Governance Committees
✓ Annual Director and Committee evaluation process
✓ Board-adopted Code of Conduct that applies to all directors, officers, and employees
✓ Published Corporate Governance Guidelines

Executive Compensation
✓ Provide the majority of compensation in the form of variable, performance-based elements
✓ Ensure a strong link between financial and operational goals, shareholder value creation, and executive compensation
✓ Conduct shareholder engagement on compensation- and governance-related issues, and respond to shareholder feedback as appropriate
✓ Enforce stock ownership guidelines for executives (5x base salary for CEO and 4/2x base salary for other NEOs) and non-employee directors (5x annual Board cash retainer)
✓ Provide for a clawback of incentive compensation in the event of a material restatement of financial or operating results
✓ Impose a double-trigger change-in-control requirement before vesting of outstanding, unvested equity awards is accelerated
✓ Use an independent compensation consultant
✓ Conduct annual risk assessment of compensation program
✓ Annual say-on-pay vote

NBHC Board of Directors

Ralph W. Clermont
A* C N I

- Lead Independent Director
- Former Managing Partner of KPMG, St. Louis office
- 39+ years of banking and audit experience

Robert E. Dean
A C N* I

- Former Senior Managing Director of Ernst & Young Corporate Finance
- Practiced corporate, banking and securities law with Gibson, Dunn & Crutcher

Alka Gupta
A C I

- Fortune 500 executive and tech entrepreneur with deep experience in digital transformation
- Currently a Venture Partner at Fin Venture Capital
- Co-Founder of and former President at GlobaliD, Inc.

Fred J. Joseph
A N I

- Financial services regulator for 30 years as the Banking and Securities Commissioner for the State of Colorado
- Member of the Investor Issues Committee for FINRA

G. Timothy Laney

- President, CEO and Chairman
- Former Sr Executive VP & Head of Business Services at Regions Financial
- 24-year tenure at Bank of America, and a member of Bank of America's Management Operating Committee

Patrick Sobers

- 30+ years of financial services experience
- 10 years with NBH Bank (Former EVP, Head of Business and Consumer Banking)
- Member of NBH Bank's board of directors since 2017
- Several leadership positions at Bank of America, including Southeast Region's Consumer Banking Executive

Micho F. Spring
A N I

- Former chair of Global Corporate Practice at Weber Shandwick
- Formerly CEO of Boston Telecommunications Company
- Served four years as Deputy Mayor of Boston

Art Zeile
A C* I

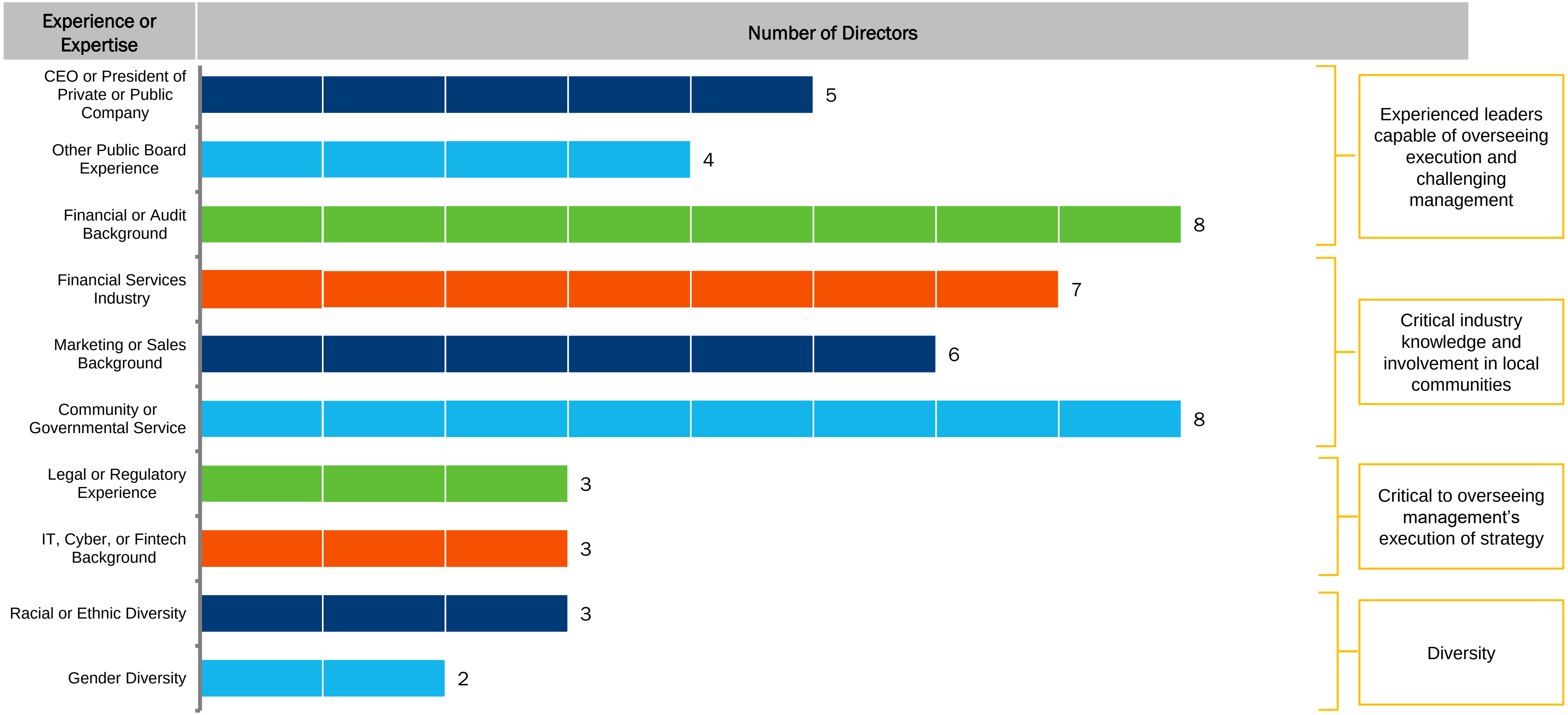
- Current CEO of DHI Group
- Extensive experience in software, telecommunications, internet, datacenter and security technologies, with a particular focus on cybersecurity
- Began career as an Officer in the U.S. Air Force

C Compensation | I Independent | N Governance & Nominating | * Committee Chair | A Audit & Risk | Appointed within the last five years

Robust Lead Director Responsibilities

- Mr. Clermont presides at all Board meetings where the Chairman is not present and at all executive sessions of independent Directors
- Acts as liaison between Chairman and independent Directors
- Reviews and approves Board meeting agendas and information presented to Board
- Engages with major shareholders as needed
- As the independent Lead Director, Mr. Clermont is an ex officio member of all Board committees with full voting rights

NBHC Board Represents a Diverse Range of Qualifications and Skills



Board's Role in Oversight of Risk

The Board is actively engaged in NBHC's risk management.

Robust Risk Oversight at Board Level		
Risk	**Board Oversight**	**Actions**
Cybersecurity *Evolving nature and complexity of the threats from organized cybercriminals and hackers*	NBHC Audit and Risk Committee is responsible for oversight of the Company's operational (including cybersecurity) and reputational risks	Employs detection and response mechanisms designed to contain and mitigate security incidents
Human Capital/Diversity *Stagnant, poorly diversified boards are not only concerning to shareholders, but are also viewed unfavorably by proxy advisers such as ISS and Glass Lewis*	NBHC Nominating and Governance Committee considers diversity in its assessment of potential nominees to the Board	In 2021, the NBHC Board appointed two new diverse candidates to the Board. In addition, the Bank Board is also diverse in terms of experience, race and gender
Market/Credit Risk *NBH's business is highly susceptible to credit risk and market fluctuations in the value of real estate and other collateral*	NBHC Audit and Risk Committee is responsible for the oversight of the Company's market, credit and liquidity risk	Implements strict credit concentration limits by industry and real estate type, requires credit decisions to be made independent of bankers and line management, regularly reviews detailed credit reporting, including risk mitigation trends, and oversees credit stress testing twice a year. Adopts and oversees comprehensive liquidity and market risk policies
Compensation *Misalignment between the compensation program and business strategy can result in substantial risk for the Company and its shareholders*	NBHC Compensation Committee oversees compensation risk to identify any practices that present unacceptable risk to NBH	Conducts annual risk assessment of compensation program

Executive Compensation Program

NBH's executive compensation practices align management incentives with long-term shareholder interests

Components of Executive Compensation (2022)

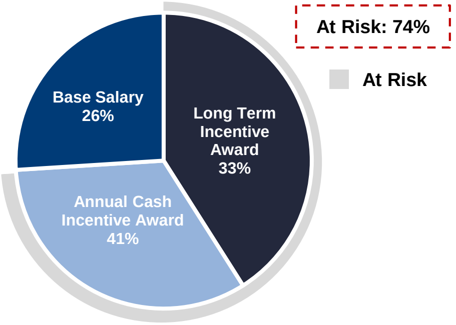
Component	Metrics
Base Salary *(Cash)*	• Reviewed annually
Annual Cash Incentive Award *(At-Risk Cash)*	• 2022 Corporate Measures[1]: – Core Net Income (40%) – Asset Quality (30%) – Enterprise Risk Management (15%) – Qualitative (15%)
Long-Term Incentive Award *(PSUs, Options & Restricted Stock)*	• 3-year Cumulative Adjusted EPS • 3-year Relative TSR

Compensation Metrics Tied to Long-Term Strategy

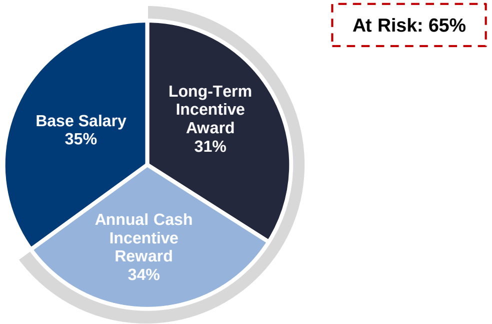
Link to Strategy
• Among other things, attract and retain executives capable of driving achievement of the Company's strategic objectives
• Ensure the goals and interests of management are aligned with those of our shareholders, clients, and communities we serve • Balance compensation to reward both short-term results and the strategic decisions and actions necessary to run a sustainable business and create long-term value • Motivate executives to deliver a high level of performance and achieve strategic goals within clear and acceptable risk parameters • Attract and retain highly qualified executives through a balance of cash and equity compensation
• Financial metrics and relative targets established are a reflection of what Compensation Committee deems important to align the NEO's performance with the achievement of the Company's strategic goals and key long-term financial targets

2022 Compensation Breakdown

CEO



Other NEOs



Additional Compensation Features

- Evaluate executive compensation and Company performance relative to peers
- Stock Ownership Guidelines:
  - CEO: 5x base salary
  - NEOs: CFO (4x base salary), CRMO and CAO (2x base salary)
- Clawback provisions in place to recover performance-based compensation from NEOs under certain circumstances
- Usage of an independent compensation consultant (F.W. Cook)
- Frequent outreach to shareholders
- Greater emphasis on "at risk" pay since 2014

[1] Corporate measures apply to compensation of CEO, CFO, CRMO, and CAO; as a bank business line EVP, NEO Randall's Annual Cash Incentive Award is based on the following measures: Core Net Income (5.0%), Asset Quality (5.0%), ERM & ESG (5.0%), Line of Business Specific Metrics (70%) and Qualitative (15%).

Environmental, Social and Governance (ESG) Matters

NBH's long-standing commitment to ESG in all of its business activities

Environmental	▪ Committed to using environmentally friendly office products and materials and optimizing our office and banking center space. ▪ Continued investment in our mobile and digital platforms, resulting in a reduction in paper and fuel emissions. ▪ Providing financing for green and sustainable businesses and actively exploring opportunities to invest in these industries.
Community Engagement & Support	▪ Support a number of causes with a focus on helping people find work, affordable housing, and become financially empowered. ▪ Grant associates eight paid hours each year to donate their time to non-profit organizations. ▪ Completed our 7th annual Do More Charity Challenge®, bringing our total contribution to over $1.6 million to nonprofits in the communities we serve. ▪ Purchased loans from Habitat for Humanity in Fort Collins, Colorado to enable them to continue building much needed affordable housing.
Human Capital	▪ We believe that our Company's long-term success is deeply tied to having a dedicated and engaged workforce and a commitment to the communities we serve. ▪ We strive for all of our associates to feel safe and empowered at work. To that end, we maintain a whistleblower hotline that allows associates and others to anonymously voice concerns. ▪ We invest in the professional development and long-term financial stability of our workforce by offering tuition reimbursement and the opportunity to participate in our 401(k) plan, which includes contribution matches from the Company. Additionally, we offer a stock purchase plan (ESPP) to our associates to purchase shares in our Company at a 10% discount.
Equity, Diversity and Inclusion	▪ Our Equity, Diversity and Inclusion efforts are driven by an Equity, Diversity and Inclusion Committee comprised of a multi-disciplinary group of associates throughout NBH Bank with the support of the executive management team. ▪ As of December 31, 2022, 64% of the Company's workforce is female and 54% of the Company's managerial roles are held by women. ▪ In 2022, we hired 426 associates, and 66% of those new associates were female and 34% were minorities.

National Bank Holdings CORPORATION®

Appendix

Reconciliation of Non-GAAP Measures

($ in millions, except per share)

Return on Average Tangible Assets and Return on Average Tangible Equity	As of and for the nine months ended 30-Sep-23	As of and for the years ended 31-Dec-22	31-Dec-21	31-Dec-20	31-Dec-19	31-Dec-18	31-Dec-17
Net income	$ 108.9	$ 71.3	$ 93.6	$ 88.6	$ 80.4	$ 61.5	$ 14.6
Add: impact of other intangible asset amortization, after tax	4.1	1.8	0.9	0.9	0.9	1.6	3.3
Net income excluding other intangible asset amortization, after tax (non-GAAP)	$ 113.1	$ 73.1	$ 94.5	$ 89.5	$ 81.3	$ 63.1	$ 17.8
Net income excluding the impact other intangible asset amortization, after tax (non-GAAP)	$ 113.1	$ 73.1	$ 94.5	$ 89.5	$ 81.3	$ 63.1	$ 17.8
Add: acquisition-related adjustments, after tax (non-GAAP)(1)	-	28.3	-	-	-	6.3	20.4
Net income adjusted for the impact of other intangible asset amortization and acquisition-related expenses, after tax (non-GAAP)(1)	$ 113.1	$ 101.4	$ 94.5	$ 89.5	$ 81.3	$ 69.4	$ 38.2
Average assets	$ 9,725.1	$ 7,829.8	$ 7,020.1	$ 6,326.3	$ 5,837.1	$ 5,607.5	$ 4,705.2
Less: average goodwill, other intangible assets, net of deferred tax liability related to goodwill	(342.8)	(166.9)	(111.9)	(114.0)	(116.1)	(188.5)	(53.0)
Average tangible assets (non-GAAP)	$ 9,382.3	$ 7,662.9	$ 6,908.2	$ 6,212.2	$ 5,721.0	$ 5,489.0	$ 4,652.3
Average shareholders' equity	$ 1,146.2	$ 904.4	$ 846.5	$ 788.3	$ 737.9	$ 662.4	$ 546.7
Less: average goodwill, other intangible assets, net of deferred tax liability related to goodwill	(342.8)	(166.9)	(111.9)	(114.0)	(116.1)	(118.5)	(53.0)
Average tangible common equity (non-GAAP)	$ 803.4	$ 737.5	$ 734.6	$ 674.3	$ 621.8	$ 543.9	$ 493.8
Return on average assets	1.50%	0.91%	1.33%	1.40%	1.38%	1.10%	0.31%
Return on average tangible assets (non-GAAP)	1.61%	0.95%	1.37%	1.44%	1.42%	1.15%	0.38%
Adjusted return on average tangible assets (non-GAAP)	1.61%	1.32%				1.26%	0.82%
Return on average equity	12.71%	7.88%	11.06%	11.24%	10.89%	9.28%	2.67%
Return on average tangible common equity (non-GAAP)	18.81%	9.91%	12.87%	13.27%	13.07%	11.60%	3.61%
Adjusted return on average tangible common equity (non-GAAP)	18.81%	13.75%				12.76%	7.75%
(1)Acquisition-related adjustments:							
Provision expense adjustments:							
CECL Day 1 provision expense (non-GAAP)		$ 21.7					
Non-interest expense adjustments:							
Acquisition-related (non-GAAP)(2)		15.1				$ 8.0	$ 2.7
Tax reform bonuses(3)							0.5
Total pre-tax adjustments (non-GAAP)		36.8				8.0	3.2
Tax expense impact		(8.5)				(1.6)	(1.2)
Deferred tax asset re-measurement							18.5
Adjustments (non-GAAP)		$ 28.3				$ 6.3	$ 20.4

(2) Represents non-recurring acquisition expense related to the Bank of Jackson Hole and Rock Canyon Bank acquisitions in the current year, and the Peoples acquisition in 2018 and 2017
(3) Represents a special $1,000 bonus payment to 491 associates made in connection with the Tax Cuts and Jobs Act enacted in 2017

Reconciliation of Non-GAAP Measures (cont'd)

($ in millions, except per share)

Efficiency Ratio and Pre-Provision Net Revenue	As of and for the three months ended 30-Sep-23	As of and for the nine months ended 30-Sep-23	As of and for the years ended 31-Dec-22	31-Dec-21	31-Dec-20	31-Dec-19	31-Dec-18	31-Dec-17
Net interest income	$ 87.8	$ 272.5	$ 266.8	$ 187.1	$ 192.9	$ 205.8	$ 197.4	$ 146.3
Add: impact of taxable equivalent adjustment	1.6	4.4	5.5	5.2	5.1	5.1	4.5	5.9
Net interest income, FTE (non-GAAP)	$ 89.4	$ 276.9	$ 272.3	$ 192.3	$ 198.0	$ 210.9	$ 201.9	$ 152.2
Non-interest income	$ 19.4	$ 47.9	$ 67.3	$ 110.4	$ 140.3	$ 82.8	$ 70.8	$ 39.2
Non-interest expense	$ 60.6	$ 179.9	$ 211.2	$ 191.8	$ 206.2	$ 180.7	$ 189.3	$ 136.7
Less: other intangible asset amortization	(2.0)	(5.4)	(2.3)	(1.2)	(1.2)	(1.2)	(2.2)	(5.3)
Less: acquisition-related expenses (non-GAAP)	-	-	(15.1)				(8.0)	(2.7)
Non-interest expense adjusted for other intangible asset amortization and acquisition-related expenses (non-GAAP)	$ 58.6	$ 174.5	$ 193.8	$ 190.6	$ 205.0	$ 179.6	$ 179.2	$ 128.6
Non-interest expense	$ 60.6	$ 179.9	$ 211.2	$ 191.8	$ 206.2	$ 180.7	$ 189.3	$ 136.7
Less: acquisition-related expenses (non-GAAP)	-	-	(15.1)	-	-	-	(8.0)	(2.7)
Non-interest expense, adjusted for acquisition-related expenses (non-GAAP)	$ 60.6	$ 179.9	$ 196.1	$ 191.8	$ 206.2	$ 180.7	$ 181.3	$ 134.0
Efficiency ratio	56.56%	56.16%	63.22%	64.48%	61.88%	62.63%	70.59%	73.68%
Efficiency ratio FTE (non-GAAP)	55.74%	55.39%	62.19%	63.38%	60.94%	61.55%	69.43%	71.42%
Efficiency ratio adjusted for other intangible asset amortization and acquisition-related expenses FTE (non-GAAP)	53.90%	53.74%	57.07%	62.99%	60.59%	61.15%	68.64%	67.23%
Pre-provision net revenue (non-GAAP)	46.5	140.4	122.9	105.7	127.0	107.8	78.9	48.8
Pre-provision net revenue, FTE (non-GAAP)	48.1	144.9	128.4	110.8	132.1	112.9	83.4	54.7
Pre-provision net revenue FTE, adjusted for acquisition-related expenses (non-GAAP)			143.5					

Reconciliation of Non-GAAP Measures (cont'd)

($ in millions, except per share)

Tangible Common Book Value Ratios	As of and for the nine months ended 30-Sep-23	As of and for the years ended 31-Dec-22	31-Dec-21	31-Dec-20	31-Dec-19	31-Dec-18	31-Dec-17
Total shareholders' equity	$ 1,163.6	$ 1,092.2	$ 840.1	$ 820.7	$ 766.9	$ 695.0	$ 532.4
Less: goodwill, other intangible assets, net	(366.7)	(327.2)	(121.4)	(122.6)	(123.8)	(124.9)	(61.2)
Add: deferred tax liability related to goodwill	11.9	11.0	10.1	9.2	8.2	7.3	10.9
Tangible common equity (non-GAAP)	$ 808.7	$ 776.0	$ 728.8	$ 707.3	$ 651.4	$ 577.4	$ 482.0
Total assets	$ 9,866.3	$ 9,573.2	$ 7,214.0	$ 6,660.0	$ 5,895.5	$ 5,676.7	$ 4,843.5
Less: goodwill, other intangible assets, net	(366.7)	(327.2)	(121.4)	(122.6)	(123.8)	(124.9)	(61.2)
Add: deferred tax liability related to goodwill	11.9	11.0	10.1	9.2	8.2	7.3	10.9
Tangible assets (non-GAAP)	$ 9,511.4	$ 9,257.0	$ 7,102.7	$ 6,546.5	$ 5,780.0	$ 5,559.1	$ 4,793.1
Total shareholders' equity to total assets	11.79%	11.41%	11.65%	12.32%	13.01%	12.24%	10.99%
Tangible common equity to tangible assets (non-GAAP)	8.50%	8.38%	10.26%	10.80%	11.27%	10.39%	10.06%
Adjusted Net Income and Earnings Per Share							
Adjustments to net income:							
Net Income		$ 71.3				$ 61.5	$ 14.6
Add: acquisition-related adjustments, after tax (non-GAAP)		28.3				6.3	20.4
Adjusted net income (non-GAAP)		$ 99.6				$ 67.8	$ 35.0
Adjustments to earnings per share:							
Earnings per share diluted		$ 2.18				$ 1.95	$ 0.53
Add: acquisition-related adjustments, after tax (non-GAAP)		0.87				0.21	0.73
Adjusted earnings per share - diluted (non-GAAP)		$ 3.05				$ 2.16	$ 1.26

Fully Taxable Equivalent Net Interest Margin	As of and for the three months ended 30-Sep-23	As of and for the nine months ended 30-Sep-23
Net interest income	$ 87.8	$ 272.5
Add: impact of taxable equivalent adjustment	1.6	4.4
Net interest income, fully taxable equivalent (non-GAAP)	$ 89.4	$ 276.9
Average earning assets	$ 9,039.9	$ 8,981.0
Net interest margin	3.85%	4.06%
Net interest margin, fully taxable equivalent (non-GAAP)	3.92%	4.12%

Thank you.