

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

FORM 10-K

☒ **ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

For the fiscal year ended December 31, 2021

☐ **TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934**

Commission File Number: 1-13661

STOCK YARDS BANCORP, INC.

STOCK YARDS BANCORP, INC.

(Exact name of registrant as specified in its charter)

Kentucky

(State or other jurisdiction of incorporation or organization)

61-1137529

(I.R.S. Employer Identification No.)

1040 East Main Street, Louisville, Kentucky

(Address of principal executive offices)

40206

(Zip Code)

Registrant's telephone number, including area code: (502) 582-2571

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading symbol(s)	Name of each exchange on which registered
Common stock, no par value	SYBT	The NASDAQ Stock Market LLC

Securities registered pursuant to Section 12(g) of the Act:

None

(Title of class)

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. ☒ Yes ☐ No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or 15(d) of the Act. ☐ Yes ☒ No

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports) and (2) has been subject to such filing requirements for the past 90 days. ☒ Yes ☐ No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). ☒ Yes ☐ No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer ☒

Accelerated filer ☐

Non-accelerated filer ☐

Smaller reporting company ☐

Emerging growth company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262 (b)) by the registered public accounting firm that prepared or issued its audit report. ☒

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Act). ☐ Yes ☒ No

The aggregate market value of the voting and non-voting common equity held by non-affiliates computed by reference to the price at which the common equity was last sold as of June 30, 2021 (the last business day of the registrant's most recently completed second fiscal quarter) was \$1,287,864,172.

The number of shares of the registrant's Common Stock, no par value, outstanding as of January 31, 2022, was 26,601,723.

DOCUMENTS INCORPORATED BY REFERENCE

Portions of Registrant's definitive Proxy Statement for the Annual Meeting of Shareholders to be held on April 28, 2022 are incorporated by reference into Part III of this Form 10-K.

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GLOSSARY OF ABBREVIATIONS AND ACRONYMS

The acronyms and abbreviations identified in alphabetical order below are used throughout this Annual Report on Form 10-K:

Acronym or Term	Definition	Acronym or Term	Definition	Acronym or Term	Definition
ACH	Automatic Clearing House	EPS	Earnings Per Share	NPV	Net Present Value
AFS	Available for Sale	ETR	Effective Tax Rate	Net Interest Spread	Net Interest Spread (FTE)
APIC	Additional paid-in capital	EVP	Executive Vice President	NM	Not Meaningful
ACL	Allowance for Credit Losses	FASB	Financial Accounting Standards Board	OAEM	Other Assets Especially Mentioned
AOCI	Accumulated Other Comprehensive Income	FDIC	Federal Deposit Insurance Corporation	OCI	Other Comprehensive Income
ASC	Accounting Standards Codification	FFP	Federal Funds Purchased	OREO	Other Real Estate Owned
ASU	Accounting Standards Update	FFS	Federal Funds Sold	PPP	SBA Paycheck Protection Program
ATM	Automated Teller Machine	FFTR	Federal Funds Target Rate	PV	Present Value
AUM	Assets Under Management	FHA	Federal Housing Authority	PCD	Purchased Credit Deteriorated
Bancorp / the Company	Stock Yards Bancorp, Inc.	FHC	Financial Holding Company	PCI	Purchased Credit Impaired
Bank / SYB	Stock Yards Bank & Trust Company	FHLB	Federal Home Loan Bank of Cincinnati	Prime	The Wall Street Journal Prime Interest Rate
BOLI	Bank Owned Life Insurance	FHLMC	Federal Home Loan Mortgage Corporation	Provision	Provision for Credit Losses
BP	Basis Point - 1/100th of one percent	FICA	Federal Insurance Contributions Act	PSU	Performance Stock Unit
C&D	Construction and Development	FNMA	Federal National Mortgage Association	ROA	Return on Average Assets
Captive	SYB Insurance Company, Inc.	FRB	Federal Reserve Bank	ROE	Return on Average Equity
CARES Act	Coronavirus Aid, Relief and Economic Security Act	FTE	Fully Tax Equivalent	RSA	Restricted Stock Award
C&I	Commercial and Industrial	GAAP	United States Generally Accepted Accounting Principles	RSU	Restricted Stock Unit
CD	Certificate of Deposit	GLB Act	Gramm-Leach-Bliley Act	SAB	Staff Accounting Bulletin
CDI	Core Deposit Intangible	GNMA	Government National Mortgage Association	SAR	Stock Appreciation Right
CECL	Current Expected Credit Loss (ASC-326)	HELOC	Home Equity Line of Credit	SBA	Small Business Administration
CEO	Chief Executive Officer	ITM	Interactive Teller Machine	SEC	Securities and Exchange Commission
CFO	Chief Financial Officer	KB	Kentucky Bancshares, Inc. and Kentucky Bank	SOFR	Secured Overnight Financing Right
Commonwealth	Commonwealth Bancshares, Inc. and Commonwealth Bank & Trust Company	KSB	King Bancorp, Inc. and King Southern Bank	SSUAR	Securities Sold Under Agreements to Repurchase
COVID-19	Coronavirus Disease - 2019	LIBOR	London Interbank Offered Rate	SVP	Senior Vice President
CRA	Community Reinvestment Act	Loans	Loans and Leases	TBOC	The Bank Oldham County
CRE	Commercial Real Estate	MBS	Mortgage Backed Securities	TCE	Tangible Common Equity
Dodd-Frank Act	The Dodd-Frank Wall Street Reform and Consumer Protection Act	MSA	Metropolitan Statistical Area	TDR	Troubled Debt Restructuring
DTA	Deferred Tax Asset	MSRs	Mortgage Servicing Rights	TPS	Trust Preferred Securities
DTL	Deferred Tax Liability	NASDAQ	The NASDAQ Stock Market, LLC	VA	U.S. Department of Veterans Affairs
DCF	Discounted Cash Flow	NIM	Net Interest Margin (FTE)	WM&T	Wealth Management and Trust

PART I

Item 1. Business.

Stock Yards Bancorp, Inc. (“Bancorp” or “the Company”), is a FHC headquartered in Louisville, Kentucky and is engaged in the business of banking through its wholly owned subsidiaries, Stock Yards Bank & Trust Company (“SYB” or “the Bank”) and SYB Insurance Company, Inc. (“the Captive”). Bancorp, which was incorporated in 1988 in Kentucky, is registered with, and subject to supervision, regulation and examination by, the Board of Governors of the Federal Reserve System. As Bancorp has no significant operations of its own, its business is essentially that of SYB and the Captive. The operations of SYB and the Captive are fully reflected in the consolidated financial statements of Bancorp. Accordingly, references to “Bancorp” in this document may encompass both the holding company and its subsidiaries, but it should be noted that the business of the Captive is immaterial to the overall results of operations and financial condition of Bancorp.

SYB, chartered in 1904, is a state-chartered non-member financial institution that provides services in Louisville, central, eastern and northern Kentucky, as well as the Indianapolis, Indiana and Cincinnati, Ohio MSAs through 63 full service banking center locations. The Bank is registered with, and subject to supervision, regulation and examination by the FDIC and the Kentucky Department of Financial Institutions.

The Captive, a wholly owned subsidiary of the Company, is a Nevada-based captive insurance company that provides insurance against certain risks unique to operations of the Company and its subsidiaries for which insurance may not be currently available or economically feasible in today’s insurance marketplace. The Captive pools resources with several other similar insurance company subsidiaries of financial institutions to spread a limited amount of risk among themselves. The Captive is subject to regulations of the State of Nevada and undergoes periodic examinations by the Nevada Division of Insurance. It has elected to be taxed under Section 831(b) of the Internal Revenue Code. Pursuant to Section 831(b), if gross premiums do not exceed \$2,400,000, then the Captive is taxable solely on its investment income. The Captive is included in the Company’s consolidated financial statements and its federal income tax return.

On May 31, 2021, Bancorp completed its acquisition of Kentucky Bancshares, Inc. and its wholly owned subsidiary, Kentucky Bank, collectively defined as “KB,” a commercial bank and trust company operating 19 branches throughout central and eastern Kentucky with \$1.27 billion in assets, \$755 million in loans (including PPP), \$396 million in AFS debt securities and \$1.04 billion in deposits at the time of acquisition. Kentucky Bancshares, Inc. was also the holding company for the insurance captive described above, which Bancorp acquired and retained. Bancorp acquired all outstanding common stock of Kentucky Bancshares, Inc. in a combined stock and cash transaction that resulted in total consideration paid to Kentucky Bancshares, Inc. shareholders of \$233 million.

Effective August 3, 2021, Bancorp executed a definitive Agreement and Plan of Merger (“Agreement”), pursuant to which Bancorp will acquire all of the outstanding common stock of privately-owned Commonwealth Bancshares, Inc. Commonwealth Bancshares, Inc., headquartered in Louisville, Kentucky, is the holding company for Commonwealth Bank & Trust Company (collectively referred to as “Commonwealth”), which operates 15 retail branches, including nine in Jefferson County, four in Shelby county and two in Northern Kentucky.

Under the terms of the Agreement, the Company will acquire all outstanding common stock in a combined stock and cash transaction, resulting in total consideration to Commonwealth’s shareholders of approximately \$171 million based on estimates as of February 17, 2022. Bancorp will fund the cash payment portion of the acquisition through existing resources on-hand.

Bancorp has received all required regulatory approvals to complete the acquisition and the acquisition is expected to close on or around March 7, 2022, subject to satisfaction or waiver of remaining closing conditions. As of December 31, 2021, Commonwealth reported approximately \$1.31 billion in assets, \$680 million in loans, \$1.16 billion in deposits and \$88 million in tangible common equity. Commonwealth also maintains a Wealth Management and Trust Department with total assets under management of \$2.73 billion at December 31, 2021. The combined franchise will have 78 branches at acquisition date and anticipates serving customers through a branch network of 73 locations, as Bancorp has notified regulators of its intent to close five locations as part of the merger. The combined franchise will have total assets of approximately \$8.0 billion, \$4.85 billion in gross loans, \$6.95 billion in deposits and \$7.53 billion in trust assets under management. The acquisition would make SYB the largest bank chartered in the state of Kentucky and would also create the largest bank-owned Trust company in the state.

General Business Overview

As is the case with most banks, our primary revenue sources are net interest income and fee income from various financial services provided to customers. Net interest income is the difference between interest income earned on loans, investment securities and other interest earning assets less interest expense on deposit accounts and other interest bearing liabilities. Loan volume and interest rates earned on those loans are critical to overall profitability. Similarly, deposit volume is crucial to funding loans and rates paid on deposits directly impact profitability. New business volume is influenced by economic factors including market interest rates, business spending, consumer confidence and competitive conditions within the marketplace, as well as Bancorp's strong sales focus. Net interest income accounted for 72% of our total revenues, defined as net interest income plus non-interest income, for the years ended December 31, 2021, 2020 and 2019, respectively.

Fee income, or non-interest income, is a significant component of our business. Non-interest income represented 28% of total revenues for the years ended December 31, 2021, 2020 and 2019, demonstrating the value of the diversified revenue streams created by our broad product offerings in addition to income provided by the principal banking activities described above. Our non-interest income is driven by WM&T activities, deposit service charges, debit and credit card services, treasury management services, mortgage banking services, brokerage services and other ancillary activities of the Bank. WM&T revenue, which is our largest source of non-interest income, constituted 42%, 45% and 46% of total non-interest income for the years ended December 31, 2021, 2020 and 2019, respectively. Despite continued growth in WM&T income, the decline in the percentage of non-interest income attributed to WM&T is due to the significant growth of other non-interest revenue streams through both organic business development and acquisition, as Bancorp continues to prioritize the pursuit and growth of diversified revenue streams.

Bancorp is divided into two reportable segments: Commercial Banking and WM&T:

Commercial Banking provides a full range of loan and deposit products to individual consumers and businesses in all its markets through retail lending, mortgage banking, deposit services, online banking, mobile banking, private banking, commercial lending, commercial real estate lending, leasing, treasury management services, merchant services, international banking, correspondent banking and other banking services. The Bank also offers securities brokerage services via its banking center network through an arrangement with a third party broker-dealer in the Commercial Banking segment.

WM&T provides investment management, financial & retirement planning and trust & estate services, as well as retirement plan management for businesses and corporations in all markets in which Bancorp operates. The magnitude of WM&T revenue distinguishes Bancorp from other community banks of similar asset size.

For further discussion regarding our business, see “*Item 7. Management’s Discussion and Analysis of Financial Condition and Results of Operations.*”

Our Business Strategy

Our strategy focuses on building strong relationships with our customers, employees and communities, while maintaining disciplined underwriting standards and a commitment to operational efficiency. By leveraging our comprehensive suite of products and services, we strive to continue expanding our footprint in our home market of Louisville, Kentucky while also cultivating attractive growth opportunities in our other markets of central, eastern and northern Kentucky, Indianapolis, Indiana and Cincinnati, Ohio, and opportunistically pursuing acquisitions.

Key components of our strategy include the following:

Continue to focus on customer relationships and our community banking model – We believe that our reputation, expertise and relationship-based approach to banking enables us to establish long-lasting, full-service customer relationships. We look to leverage our relationships with existing customers by offering a wide range of products and services that are tailored to their needs and financial goals. Attracting and retaining high-quality relationship managers and providing them with the tools necessary for success is crucial to maintaining and strengthening the relationships we have with both existing and prospective customers.

Our commitment to our customers and the communities we serve has been exhibited throughout the COVID-19 pandemic. Our participation in the SBA's PPP, our payment deferral and loan modification efforts, and other proactive assistance we have provided during the pandemic has not only deepened existing relationships, but created new relationships that have provided meaningful opportunities for growth. This relationship-based, community-focused approach has been the cornerstone of our success and remains the central tenant of our overall strategy.

Continue to grow and pursue diversified revenue streams – WM&T revenue distinguishes us from other community banks of similar asset size and continues to provide us with a strong competitive advantage. We have also seen significant growth in other non-interest revenue sources in recent years, particularly treasury management services and debit/credit card services. We believe these services, along with our other non-interest revenue sources, such as mortgage banking, brokerage services and other ancillary activities, provide the diversity necessary to weather the ups and downs of business cycles and the financial solutions our customers and communities desire.

Maintain focus on organic growth while capitalizing on strategic acquisitions – Our strategy has been to pursue attractive, organic growth opportunities within our existing markets and enter new markets that align with our business model and strategic plans. We believe we can increase our presence in our existing markets and broaden our footprint in attractive markets adjacent and complementary to our current markets by expansion of our branch network and opportunistically pursuing acquisitions.

The completion of our acquisition of Kentucky Bancshares during the second quarter of 2021 expanded our footprint into central and eastern Kentucky, providing broader product offerings, increased lending capabilities and a larger branch delivery system to our new customers in these markets. Further, the larger organization provides solid growth opportunities and a platform for future expansion.

Our pending acquisition of Commonwealth Bancshares will build upon our market share in our home market of Louisville, Kentucky, while also expanding our presence in neighboring Shelby County, Kentucky as well as northern Kentucky, providing a natural geographic connection between Louisville and the newly entered central and eastern Kentucky markets noted above. Additionally, the acquisition significantly bolsters our wealth management capabilities and will create the largest bank-owned trust company in the state of Kentucky.

Continue to manage costs and improve efficiency – We believe that conservative cost management and a focus on operational efficiency is critical to our success. We continuously manage our cost structure and refine our internal processes and technology to create further efficiencies with the goal of enhancing our earnings. Our efficiency ratio (FTE) for the years ended December 31, 2021, 2020 and 2019 was 59.94%, 54.06% and 56.07%, respectively, the spike for the most recent year being attributed to merger-related expenses. Excluding one-time merger-related expenses and the amortization of investments in tax credit partnerships, our non-GAAP efficiency ratio (FTE) for the years ended December 31, 2021, 2020 and 2019 was 51.77%, 52.42% and 54.70%. See the section titled "Non-GAAP Financial Measures" for reconciliation of non-GAAP to GAAP measures.

Human Capital Resources

Attracting and retaining talented employees is key to our ability to execute our strategy and compete effectively. Bancorp values the unique combination of talents and experiences each employee contributes towards our success and strives to provide an environment that promotes the personal well-being and career development of our employees. We are proud to be an Equal Opportunity Employer and enforce those values throughout the organization. We prohibit discrimination in hiring or advancement against any individual on the basis of race, color, religion, gender, sex, national origin, age, marital status, pregnancy, mental disability, genetics, veteran status, sexual orientation, or any other characteristic protected by applicable law.

At December 31, 2021, the Bank had 820 full-time equivalent employees. Approximately 66% of Bancorp's employees are located in the Louisville, Kentucky market, while 22%, 6% and 6% are located the Central Kentucky, Cincinnati, Ohio and Indianapolis, Indiana markets, respectively. None of Bancorp's employees are subject to a collective bargaining agreement and Bancorp has never experienced a work stoppage. Management of Bancorp strives to be an employer of choice and considers the relationship with employees to be good. Employees of the Bank are entitled to participate in a variety of employee benefit programs, including a defined contribution and stock ownership plan.

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The safety, health and wellness of our employees is a top priority. The COVID-19 pandemic has presented a unique challenge with regard to maintaining employee safety while continuing successful operations. In tandem with the declaration of the global pandemic, Bancorp invoked its Board of Director-approved pandemic plan, which included timely communication to employees, implementing remote work arrangements as necessary, separating individual departments, operating select branch lobbies by appointment only, fully staffing all branch drive-thru lanes and actively promoting social distancing in all aspects of business. Bancorp has not made, and at this time does not expect to make, any material staffing or compensation changes as a result of the pandemic.

Executive Officers

Name and Age of Executive Officer	Position and Offices with Bancorp and/or the Bank
James A. Hillebrand Age 53	Chairman and CEO of Bancorp and SYB
Philip S. Poindexter Age 55	President of Bancorp and SYB
Kathy C. Thompson Age 60	Senior EVP and Director of WM&T Division of SYB; Director of Bancorp and SYB
T. Clay Stinnett Age 48	EVP, Treasurer and CFO of Bancorp and SYB
William M. Dishman III Age 58	EVP and Chief Risk Officer of SYB
Michael J. Croce Age 52	EVP and Director of Retail Banking of SYB
Michael V. Rehm Age 57	EVP and Chief Lending Officer of SYB

See Part III, Item 10. “Directors, Executive Officers and Corporate Governance” for information regarding Bancorp’s executive officers.

Competition

The Bank encounters intense competition in its markets in originating loans, attracting deposits, and selling other banking related financial services. The deregulation of the banking industry, the ability to create financial services holding companies to engage in a wide range of financial services other than banking and the widespread enactment of state laws that permit multi-bank holding companies, as well as the availability of nationwide interstate banking, has created a highly competitive environment for financial institutions. In one or more aspects of the Bank’s business, the Bank competes with local and regional retail and commercial banks, other savings banks, credit unions, finance companies and mortgage companies operating in Kentucky, Indiana and Ohio. Some of the Bank’s competitors are not subject to the same degree of regulatory review and restrictions that apply to Bancorp and the Bank. Many of the Bank’s primary competitors, some of which are affiliated with large bank holding companies or other larger financial based institutions, have substantially greater resources, larger established client bases, higher lending limits, more extensive banking center networks, numerous ATMs or ITMs, and greater advertising and marketing budgets. They may also offer services that the Bank does not currently provide. Legislative developments related to interstate branching and banking in general, by providing large banking institutions easier access to a broader marketplace, can act to create more pressure on smaller financial institutions to consolidate. It is anticipated that competition from both bank and non-bank entities will continue to remain strong in the foreseeable future.

The Bank believes that an emphasis on highly personalized service tailored to individual client needs, together with the local character of the Bank’s business and its “community bank” management philosophy will continue to enhance the Bank’s ability to compete successfully in its markets.

Supervision and Regulation

Bank holding companies and commercial banks are extensively regulated under both federal and state laws. Changes in applicable laws or regulations may have a material effect on the business and prospects of Bancorp.

Bancorp, as a registered bank holding company, is subject to the supervision of and regulation by the Federal Reserve Board under the Bank Holding Company Act of 1956. In addition, Bancorp is subject to the provisions of Kentucky's banking laws regulating bank acquisitions and certain activities of controlling bank shareholders.

Kentucky and federal banking statutes delineate permissible activities for Kentucky state-chartered banks. Kentucky's statutes, however, contain a super parity provision for Kentucky chartered banks having one of the top two ratings in its most recent regulatory examination. This provision allows these state banks to engage in any banking activity in which a national bank, a state bank operating in any other state, or a federally chartered thrift could engage. The bank must first obtain a legal opinion specifying the statutory or regulatory provisions that permit the activity.

The Bank is subject to the supervision of the Kentucky Department of Financial Institutions and the FDIC. The FDIC insures the deposits of the Bank to the current maximum of \$250,000 per depositor.

The GLB Act allows for affiliations among banks, securities firms and insurance companies by means of FHC. The GLB Act requires that, at the time of establishment of an FHC, all depository institutions within that corporate group must be "well-managed" and "well-capitalized" and must have received a rating of "satisfactory" or better under its most recent CRA examination. Further, non-banking financial firms (for example an insurance company or securities firm) may establish a FHC and acquire a depository institution. While the distinction between banks and non-banking financial firms is blurred, the GLB Act makes it less cumbersome for banks to offer services "financial in nature" but beyond traditional commercial banking activities. Likewise, non-banking financial firms may find it easier to offer services that had, heretofore, been provided primarily by depository institutions. In 2012, management of Bancorp elected to become and became a FHC.

The Dodd-Frank Act was signed into law in 2010 and generally was effective the day after it was signed into law, but different effective dates apply to specific sections of the law. The extensive and complex legislation contained many provisions affecting the banking industry, including but not limited to:

- Creation of a Bureau of Consumer Financial Protection overseeing banks with assets totaling \$10 billion or greater while writing and maintaining several regulations that apply to all banks,
- Determination of debit card interchange rates by the Federal Reserve Board,
- New regulation over derivative instruments,
- Phase outs of certain forms of trust preferred debt and hybrid instruments previously included as bank capital, and
- Increases to FDIC deposit coverage, revised calculations for assessing bank premiums, and numerous other provisions affecting financial institution regulation, oversight of certain non-banking organizations, and improved depositor protection.

The CRA requires depository institutions to assist in meeting the credit needs of their market areas consistent with safe and sound banking practice. Under the CRA, each depository institution is required to help meet the credit needs of its market areas by, among other things, providing credit to low- and moderate-income individuals and communities. Depository institutions are periodically examined for compliance with the CRA, and banking regulators take into account CRA ratings when considering approval of certain applications. An unsatisfactory CRA rating could, among other things, result in the denial or delay of corporate applications filed by Bancorp or the Bank for proposed activities such as branch openings or relocations and applications to acquire, merge or consolidate with another banking institution or holding company.

The federal banking regulators have adopted rules limiting the ability of banks and other financial institutions to disclose non-public information about consumers to unaffiliated third parties. These limitations require disclosure of privacy policies to consumers and, in some circumstances, allow consumers to prevent disclosure of certain personal information to an unaffiliated third party. These regulations affect how consumer information is conveyed to outside vendors. The Bank is also subject to regulatory guidelines establishing standards for safeguarding customer information. These guidelines describe the federal banking agencies' expectations for the creation, implementation and maintenance of an information security program, which would include administrative, technical and physical safeguards appropriate to the size and complexity of the institution and the nature and scope of its activities.

The Bank is subject to the Bank Secrecy Act and the USA Patriot Act. These statutes and related rules and regulations impose requirements and limitations on specified financial transactions and accounts and other relationships intended to guard against money laundering and terrorism financing. Financial institutions must take certain steps to assist government agencies in detecting and preventing money laundering and report certain types of suspicious transactions. Regulatory authorities routinely examine financial institutions for compliance with these obligations, and failure of a financial institution to maintain and implement adequate programs to combat money laundering and terrorist financing, or to comply with relevant laws or regulations, could have serious legal and reputational consequences for the institution, including causing applicable bank regulatory authorities not to approve merger or acquisition transactions when regulatory approval is required or to prohibit such transactions even if approval is not required.

Bancorp and the Bank are subject to capital regulations in accordance with Basel III, as administered by banking regulators. The FRB and FDIC have substantially similar risk-based and leverage ratio guidelines for banking organizations, which are intended to ensure that banking organizations have adequate capital related to the risk levels of assets and off-balance sheet instruments. Under the risk-based guidelines, specific categories of assets are assigned different risk weights based generally on the perceived credit risk of the asset. These risk weights are multiplied by corresponding asset balances to determine a risk-weighted asset base. In addition to the risk-based capital guidelines, the FRB uses a leverage ratio as a tool to evaluate the capital adequacy of bank holding companies. The leverage ratio is a company's Tier 1 Capital divided by its average total consolidated assets (less goodwill and certain other intangible assets).

The federal banking agencies' risk-based and leverage ratios represent minimum supervisory ratios generally applicable to banking organizations that meet certain specified criteria, assuming that they have the highest regulatory capital rating. Banking organizations not meeting these criteria are required to operate with capital positions above the minimum ratios. FRB guidelines also provide that banking organizations experiencing internal growth or making acquisitions may be expected to maintain strong capital positions above the minimum supervisory levels, without significant reliance on intangible assets. The FDIC may establish higher minimum capital adequacy requirements if, for example, a bank proposes to make an acquisition requiring regulatory approval, has previously warranted special regulatory attention, rapid growth presents supervisory concerns, or, among other factors, has a high susceptibility to interest rate and other types of risk. The Bank is not subject to any such individual minimum regulatory capital requirements.

Banking regulators have categorized the Bank as well-capitalized. To meet the definition of well-capitalized for prompt corrective action requirements, a bank must have a minimum 6.5% Common Equity Tier 1 Risk-Based Capital ratio, 8.0% Tier 1 Risk-Based Capital ratio, 10.0% Total Risk-Based Capital ratio and 5.0% Tier 1 Leverage ratio.

Additionally, in order to avoid limitations on capital distributions, including dividend payments and certain discretionary bonus payments to executive officers, Bancorp and the Bank must hold a 2.5% capital conservation buffer composed of Common Equity Tier 1 Risk-Based Capital above the minimum risk-based capital requirements for the Common Equity Tier 1 Risk-Based Capital ratio, Tier 1 Risk-Based Capital ratio and Total Risk-Based Capital ratio necessary to be considered adequately-capitalized. December 31, 2021, the adequately-capitalized minimums, including the capital conservation buffer, were a 6.0% Common Equity Tier 1 Risk-Based Capital ratio, 8.5% Tier 1 Risk-Based Capital ratio and 10.5% Total Risk-Based Capital ratio.

As of December 31, 2021, Bancorp exceeded the requirements to be considered well-capitalized and those required to avoid limitations associated with the capital conservation buffer.

Under regulatory guidance applicable to all banking organizations, incentive compensation policies must be consistent with safety and soundness principles. Under this guidance, financial institutions must review their compensation programs to ensure that they: (i) provide employees with incentives that appropriately balance risk and reward and that do not encourage imprudent risk, (ii) are compatible with effective controls and risk management, and (iii) are supported by strong corporate governance, including active and effective oversight by the banking organization's board of directors. Monitoring methods and processes used by a banking organization should be commensurate with the size and complexity of the organization and its use of incentive compensation.

During 2016, as required by the Dodd-Frank Act, the federal bank regulatory agencies and the SEC proposed revised rules on incentive-based payment arrangements at specified regulated entities having at least \$1 billion of total assets. These proposed rules have not been finalized.

The federal banking agencies and state regulators have been increasingly active in implementing privacy and cybersecurity standards and regulations. In February 2018, the SEC published interpretive guidance to assist public companies in preparing disclosures about cybersecurity risks and incidents. These SEC guidelines, and any other regulatory guidance, are in addition to notification and disclosure requirements under state and federal banking laws and regulations.

In November 2021, the federal banking agencies adopted a rule regarding notification requirements for banking organizations related to significant computer security incidents. Under the final rule, a bank holding company and state member bank are required to notify the Federal Reserve within 36 hours of incidents that have materially disrupted or degraded, or are reasonably likely to materially disrupt or degrade, the banking organization's ability to deliver services to a material portion of its customer base, jeopardize the viability of key operations of the banking organization, or impact the stability of the financial sector. The rule is effective April 1, 2022, with compliance required by May 1, 2022.

We expect federal banking agencies and state regulators to continue focusing on information technology and cybersecurity as we are continually monitoring regulatory developments and the impact they may have on Bancorp.

Website Access to Reports

Bancorp files reports with the SEC including the Annual Report on Form 10-K, quarterly reports on Form 10-Q, current event reports on Form 8-K, and proxy statements, as well as any amendments to those reports. The SEC maintains an internet site that contains reports, proxy and information statements and other information regarding issuers that file electronically with the SEC at <http://www.sec.gov>. Bancorp's Annual Report on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K, and amendments to those reports filed or furnished pursuant to section 13(a) or 15(d) of the Exchange Act are also accessible at no cost on Bancorp's web site at <http://www.syb.com> after they are electronically filed with, or furnished to, the SEC.

Item 1A. Risk Factors.

FACTORS THAT MAY AFFECT FUTURE RESULTS

An investment in Bancorp's common stock is subject to risks inherent in its business. Before making an investment decision, you should carefully consider the risks and uncertainties described below together with all of the other information included in this filing. In addition to the risks and uncertainties described below, other risks and uncertainties not currently known to Bancorp or that Bancorp currently deems to be immaterial also may materially and adversely affect its business, financial condition and results of operations in the future. The value or market price of Bancorp's common stock could decline due to any of these identified or other risks, and an investor could lose all or part of their investment.

There are factors, many beyond Bancorp's control, which may significantly change the results or expectations of Bancorp. Some of these factors are described below, however, many are described in the other sections of this Annual Report on Form 10-K.

Economic, Market and Credit Risks

The ongoing COVID-19 pandemic and measures intended to prevent its spread have adversely impacted our business and financial results, and the ultimate impact will depend on future developments, which are highly uncertain and cannot be predicted, including the scope and duration of the pandemic and actions taken by governmental authorities in response to the pandemic.

The COVID-19 pandemic has created and continues to create extensive disruptions to the global economy and to the lives of individuals throughout the world. Governments, businesses, and the public are taking unprecedented actions to contain the spread of COVID-19 and to mitigate its effects, including self-quarantines, travel bans, shelter-in-place orders, closures of businesses and schools, fiscal stimulus, and legislation designed to deliver monetary aid and other relief. While the scope, duration, and full effects of COVID-19 continue to evolve and are not fully known, the pandemic and related efforts to contain it have disrupted global economic activity, adversely affected the functioning of financial markets, impacted interest rates, increased economic and market uncertainty, and disrupted trade and supply chains. If these effects continue for a prolonged period, or result in sustained economic stress or recession, many of the risk factors identified in this Annual Report on Form-10-K could be exacerbated and such effects could have a material adverse impact on us in a number of ways related to credit, collateral, asset valuations, customer demand, funding, operations, interest rate risk, and human capital.

There are no comparable recent events that provide guidance as to the effect the spread of COVID-19 as a global pandemic may have, and, as a result, the ultimate impact of the outbreak is highly uncertain and subject to change. We do not yet know the full extent of the impact on our business, operations or the economy as a whole. However, the effects could have a material extended impact on our business and heighten many of its known risks described below.

Fluctuations in interest rates could reduce profitability.

Our primary source of income is from net interest spread, the difference between interest earned on loans and investments and interest paid on deposits and borrowings. We expect to periodically experience gaps in interest rate sensitivities of assets and liabilities, meaning that either interest-bearing liabilities may be more sensitive to changes in market interest rates than interest-earning assets, or vice versa. In either event, if market interest rates should move contrary to our position, this gap will work against us and earnings will be negatively affected.

Many factors affect fluctuation of market interest rates, including, but not limited to the following:

- the FRB's actions to control interest rates
- inflation or deflation
- recession
- changes in unemployment
- changes in the money supply
- local, regional, national or international disorder and instability in financial markets

Market expectations are for the FRB to raise rates multiple times in 2022, as the economy attempts to exit a pandemic-era interest rate environment that saw the FFTR fall to a range of 0% - 0.25% and Prime fall to 3.25%, where each have respectively remained since March of 2020. Given the current low level of rates and market expectations for FRB increases, the potential of a flattening yield curve presents asset-liability management challenges. Deposit rates tend to be tied to the short end of the rate curve, while fixed-rate loans are largely priced based upon longer term rates, typically five-year offerings. A flattening yield curve may increase our funding costs while limiting rates that can be earned on loans and investments, thereby decreasing our net interest income and earnings. Migration of deposits out of Bancorp, as customers pursue higher rates, could impact liquidity and earnings, as we compete for deposits. Changes in the mix of deposits could result in increased average rates paid on deposits, and lower earnings. Our asset-liability management strategy, which is designed to mitigate risk from changes in market interest rates, may not be able to prevent changes in interest rates from having a material adverse effect on our results of operations and financial condition.

The CECL accounting standard resulted in a significant change in how we recognize credit losses.

In June 2016, the FASB issued ASC, “*Financial Instruments-Credit Losses (Topic 326), Measurement of Credit Losses on Financial Instruments*,” which replaced the “incurred loss” model for recognizing credit losses with an “expected loss” model and was adopted by Bancorp effective January 1, 2020. Whereas the incurred loss model delayed recognition of loss on financial instruments until it was probable a loss had occurred, the expected loss model recognizes a loss at the time the loan is first added to the balance sheet. Adoption of the CECL model has materially affected the determination of the ACL on loans and has resulted in a significant increase to the ACL. Assumptions made by management and material changes in economic factors could significantly influence the ACL. Any material increase to the required level of loan loss allowance could adversely affect our business, financial condition, and results of operations.

If actual loan losses are greater than our assumption for loan losses, earnings could decrease.

Our loan customers may not repay their loans according to the terms of these loans, collateral securing payment of these loans may be insufficient to ensure repayment and the wealth of guarantors providing guarantees to support these loans may be inadequate to aid in the repayment of these loans. Accordingly, we might experience significant credit losses which could have a material adverse effect on operating results. We make various assumptions and judgments about the collectability of our loan portfolio, including creditworthiness of borrowers and value of collateral for repayment. In determining the adequacy of the ACL on loans, we consider, among other factors, an evaluation of economic conditions, future national unemployment projections and our historical loan loss experience. If our assumptions prove to be incorrect or economic problems are worse than projected, the current allowance may be insufficient to cover loan losses and adjustments may be necessary to allow for different economic conditions or adverse developments in the loan portfolio. Such additions to the allowance, if necessary, could have a material adverse impact on our financial results.

Federal and state regulators annually review our allowance and may require an adjustment in the ACL on loans. If regulatory agencies require any increase in the allowance for which we had not allocated, it would have a negative effect on our financial results.

Our credit metrics are currently at historically strong levels and this trend could normalize over time.

Over the past several years, our asset quality metrics have trended within a narrow range, exceeding benchmarks and reaching historically strong levels. We realize that present asset quality metrics are positive and, recognizing the cyclical nature of the lending business, we anticipate this trend will likely normalize over time.

Financial condition and profitability depend significantly on local and national economic conditions.

Our success depends on general economic conditions both locally, regionally and nationally. A portion of our customers’ ability to repay their obligations is directly tied to local, regional, national or global business dealings. Deterioration in the quality of the credit portfolio could have a material adverse effect on our financial condition, results of operations, and ultimately capital.

Financial condition and profitability depend on real estate values in our market areas.

We offer a variety of secured loans, including C&I lines of credit, C&I term loans, real estate, C&D, HELOCs, consumer and other loans. Many of our loans are often secured by real estate primarily in our market areas. In instances where borrowers are unable to repay their loans and there has been deterioration in the value of loan collateral, we could experience higher loan losses which could have a material adverse effect on financial condition, and results of operations.

Significant stock market volatility could negatively affect our financial results.

Income from WM&T constitutes approximately 42% of non-interest income. Trust AUM are expressed in terms of market value, and a significant portion of fee income is based upon those values, which generally fluctuate consistent with overall capital markets.

Capital and credit markets experience volatility and disruption from time to time. These conditions may place downward pressure on credit availability, credit worthiness and customers' inclinations to borrow. Prolonged volatility or a significant disruption could negatively impact customers' ability to seek new loans or to repay existing loans. Personal wealth of many borrowers and guarantors has historically added a source of financial strength to certain loans and would be negatively impacted by severe market declines. Sustained reliance on personal assets to make loan payments would result in deterioration of their liquidity, and could result in loan defaults.

The value of our investment securities may be negatively affected by factors outside of our control and impairment of these securities could have an adverse impact on our financial condition and results of operations.

Factors beyond our control can significantly influence the fair value of our investment securities. These factors include, but are not limited to, rating agency actions, defaults by issuers or with respect to underlying securities, changes in market interest rates, volatility and liquidity within capital markets and changes in local, regional, national or international economic conditions. Impairment to the fair value of these securities can result in realized and/or unrealized losses in future periods and declines in other comprehensive income, which could have an adverse effect on our business, financial condition and results of operations.

Impairment of goodwill, other intangible assets or deferred tax assets could have an adverse impact on our financial condition and results of operations.

In accordance with GAAP, goodwill is not amortized but, instead, is subject to impairment on at least an annual basis or more frequently if an event occurs or circumstances change that reduce the fair value of a reporting unit below its carrying amount. In the event that we conclude that all or a portion of our goodwill may be impaired, a non-cash charge for the amount of such impairment would be recorded to earnings. Such a charge would have no impact on tangible capital. At December 31, 2021, Bancorp had goodwill of \$136 million.

Bancorp's intangible assets primarily relate to core deposits and customer relationships. Intangible assets with definite lives are amortized on an accelerated basis over their estimated life. Intangible assets, premises and equipment and other long-lived assets are tested for impairment whenever events or changes in circumstances indicated the carrying amount of the assets may not be recoverable from future undiscounted cash flows. In the event that we conclude that all or a portion of our intangible assets may be impaired, a non-cash charge for the amount of such impairment would be recorded to earnings. Such a charge would have no impact on tangible capital. At December 31, 2021, Bancorp had intangible assets of \$6 million.

In assessing the potential for realization of deferred tax assets, management considers whether it is more likely than not that some portion or all of the deferred tax assets will not be realized. Assessing the need for, or the sufficiency of, a valuation allowance requires management to evaluate all available evidence, both negative and positive, including whether future taxable income in sufficient amounts and character within the carryback and carryforward periods is available under tax law, including the use of tax planning strategies. We have concluded that, based on the level of positive evidence, it is more likely than not that at December 31, 2021 all deferred tax assets will be realized. At December 31, 2021, Bancorp had deferred tax assets totaling \$24 million.

The impact of each of these impairment matters could have a material adverse effect on our business, results of operations and financial condition.

The soundness of other financial institutions could adversely affect us.

Our ability to engage in routine funding transactions could be adversely affected by the actions and commercial soundness of other financial institutions. Financial services companies are interrelated as a result of trading, clearing, counterparty, or other relationships. We have exposure to different industries and counterparties and through transactions with counterparties in the bank and non-bank financial services industries, including broker-dealers, commercial banks, investment banks and other institutional customers. As a result, defaults by, or even rumors or questions about, one or more bank or non-bank financial services companies, or bank or non-bank financial services industries in general, could lead to market-wide liquidity problems and could result in losses or defaults by us or other institutions. These losses or defaults could have an adverse effect on our business, financial condition and results of operations.

The planned phasing out of LIBOR as a financial benchmark presents risks to the financial instruments we originate or hold.

LIBOR is the reference rate used for many of our transactions, including our lending and borrowing, as well as the derivatives that we use to manage risk related to such transactions. LIBOR will cease to exist as a published rate after 2021. The discontinuation of LIBOR could have a significant impact on the financial markets and market participants. As of December 31, 2021, we had approximately \$425 million in variable rate loans with interest rates tied to LIBOR. Our derivative activities based upon LIBOR include interest rate swap transactions with notional amounts totaling approximately \$123 million.

The FRB, through the Alternative Reference Rate Committee, has recommended a replacement benchmark rate, the Secured Overnight Financing Rate. All loan and swap contracts will need to be managed effectively to ensure appropriate benchmark rate replacements are provided for and adopted.

Failure to identify a replacement benchmark rate and/or update data processing systems could result in future interest rate changes not being correctly captured, which could result in interest rate risk not being mitigated as intended, or interest earned being miscalculated, which could adversely impact our business, financial condition, and results of operations. Uncertainty regarding LIBOR and discretionary actions or negotiations of fallback provisions could result in pricing volatility, adverse tax or accounting impacts, or additional compliance, legal and operational costs.

Our mortgage banking line of business is highly dependent upon programs administered by the FNMA and FHLMC. Changes in existing U.S. government-sponsored mortgage programs or servicing eligibility standards could materially and adversely affect our business, financial position, results of operations and cash flows.

Our ability to generate revenue through mortgage loan sales to institutional investors depends to a significant degree on programs administered by the FNMA and FHLMC. These entities play powerful roles in the residential mortgage industry and as a result, we have significant business relationships with them. Our status as an approved seller and servicer with both entities is subject to compliance with their selling and servicing guidelines.

Any discontinuation of, or significant reduction or material change in, the operation of the FNMA and FHLMC, or any significant adverse change in the level of activity in the secondary mortgage market or the underwriting criteria of the FNMA or FHLMC would likely prevent us from originating and selling most, if not all, of our mortgage loan originations.

Changing industry trends related to consumer deposit relationships could have an adverse impact on our financial condition and results of operations.

Competitive factors surrounding the developing trend of financial institutions reducing or eliminating certain deposit account fees, particularly overdraft-related fees, presents a significant challenge to maintaining deposit-related non-interest income in the future and potentially threatens a revenue stream that has been in an industry-wide, regulation-driven decline for several years. Strategic decisions surrounding this trend may impact not only deposit-related income, but also deposit relationships in general, particularly for retail customers.

Any elimination of, or reduction or material change to, the fees we charge for certain deposit-related services could result in a significant decline of non-interest income. Failure to closely monitor, and appropriately adapt to, changes in industry practices and consumer behavior could have an adverse impact on our performance.

Strategic Risks

Acquisitions could adversely affect our business, financial condition and results of operations.

An institution that we acquire may have asset quality issues or contingent liabilities that we did not discover or fully recognize in the due diligence process, thereby resulting in unanticipated losses. Acquisitions of other institutions also typically require integration of different corporate cultures, loan and deposit products, pricing strategies, data processing systems and other technologies, accounting, compliance, internal audit and financial reporting systems, operating systems and internal controls, marketing programs and personnel of the acquired institution. The integration process is complicated and time consuming and could divert our attention from other business concerns and may be disruptive to our customers and customers of the acquired institution. Our failure to successfully integrate an acquired institution could result in loss of key customers and employees, and prevent us from achieving expected synergies and cost savings. We may finance acquisitions with borrowed funds, thereby increasing our leverage and reducing liquidity, or with potentially dilutive issuances of equity securities.

Competition with other financial institutions could adversely affect profitability.

We operate in a highly competitive industry that could become even more so as a result of earnings pressure from peer organizations, legislative, regulatory and technological changes and continued consolidation. We face vigorous competition in price and structure of financial products from banks and other financial institutions. In recent years, credit unions have expanded their lending mix and now compete heavily with banks in the CRE lending market. Non-traditional providers' high risk tolerance for fixed rate, long-term loans has adversely affected our net loan growth and results of operations. We also compete with other non-traditional providers of financial services, such as brokerage firms and insurance companies. As internet-based financial services continue to grow in acceptance, we must remain relevant as an institution where consumers and businesses value personal service while other institutions offer these services without human interaction. The variety of sources of competition may reduce or limit our margins on banking services, increase operational costs through expanded product offerings, reduce market share and adversely affect our financial condition and results of operations.

We may not be able to attract and retain skilled people.

Our success depends, in large part, on our ability to attract and retain key people. Competition for the best people in the industry and markets in which we engage can be intense, and we may not be able to retain or hire the people wanted or needed. To attract and retain qualified employees, we must compensate them at or above market levels. If we are unable to continue to attract and retain qualified employees, or do so at rates necessary to maintain the Company's competitive position, our performance, including the Company's competitive position, could suffer, and, in turn, adversely affect our business, financial condition or results of operations.

We are subject to liquidity risks.

Liquidity is essential to our business. We rely on our ability to generate deposits and effectively manage the repayment and maturity schedules of our loans and investment securities, respectively, to ensure we have adequate liquidity to fund our operations. An inability to raise funds through deposits, borrowings, sales of investment securities, FHLB advances, sales of loans and other sources could have a significant negative effect on our liquidity.

We are dependent on large commercial deposit relationships as a primary funding source. Approximately 51% of our total deposits are centralized in accounts with balances \$500,000 or greater. We categorize these deposits as core funds, as they represent long-standing, full-service relationships and are a testament to our commitment to partner with business customers by providing exemplary service and competitive products. A sudden shift in customer behavior within these deposits resulting in balances being reduced or exiting Bancorp altogether could impact our ability to capitalize on growth opportunities and meet current obligations. We have secondary funding sources to draw upon as needed, but the cost of those funds would be higher than typical deposit accounts, which would negatively impact our financial condition and results of operations.

We have experienced record levels of liquidity over the past year, which is expected to continue in 2022 and possibly beyond. Should loan demand not meet desired levels, excess liquidity must be invested in an effort to maximize return. The risks associated with such investment include the inability to find alternative options suitable to our risk profile, investing in alternatives that adversely impact our financial condition and results of operations, and liquidity risk associated with any specific investment. Further, holding elevated levels of liquidity can have a significant impact on our NIM and result in additional margin compression.

Operational Risks

Our accounting policies and methods are critical to how we report our financial condition and results of operations. They require management to make estimates about matters that are uncertain.

Accounting policies and methods are fundamental to how we record and report our financial condition and results of operations. Management must exercise judgment in selecting and applying these accounting policies and methods so they comply with GAAP.

We have identified certain accounting policies as being critical because they require management's judgment to ascertain the valuations of assets, liabilities, commitments and contingencies. A variety of factors could affect the ultimate value that is obtained either when earning income, recognizing an expense, recovering an asset, or reducing a liability. We have established detailed policies and control procedures intended to ensure these critical accounting estimates and judgments are well-controlled and applied consistently.

Policies and procedures are intended to ensure that the process for changing methodologies occurs in an appropriate manner. Because of the uncertainty surrounding judgments and estimates pertaining to these matters, there can be no assurances that actual our results will not differ from those estimates. See the section titled "*Critical Accounting Policies and Estimates*" in "*Management's Discussion and Analysis of Financial Condition and Results of Operations*" for more information.

An extended disruption of vital infrastructure could negatively impact our business, results of operations, and financial condition.

Our operations depend upon, among other things, infrastructure, including equipment and facilities. Extended disruption of vital infrastructure by fire, power loss, natural disaster, telecommunications failure, information systems breaches, corporate account take-over, terrorist activity or the domestic and foreign response to such activity, or other events outside of our control could have a material adverse impact on the financial services industry, the economy as a whole or on our financial condition and results of operations. Our business continuity plan may not work as intended or may not prevent significant interruption of operations. Occurrence of any failures or interruptions of information systems could damage our reputation, result in loss of customer business, subject us to additional regulatory scrutiny, or expose us to civil litigation and possible financial liability, any of which could have an adverse effect on our financial condition and results of operations.

Security breaches or incidences of fraud could negatively impact our business, results of operations, and financial condition.

Our assets, which are at risk for cyber-attacks, include financial assets and non-public information belonging to customers. Cyber security risks include cyber espionage, blackmail, ransom, theft, and corporate account takeovers. We employ many preventive and detective controls to protect our assets, and provide mandatory recurring information security training for all employees. We have invested in multiple preventative tools in an attempt to protect customers from cyber threats and corporate account takeover and regularly provide educational information regarding cyber threats to customers. We utilize multiple third-party vendors who have access to our assets via electronic media. While we require third parties, many of whom are small companies, to have similar or superior controls in place, there is no guarantee that a breach of information could not occur. Activities of the Bank that subject Bancorp to risk of fraud by customers, employees, vendors, or members of the general public include ACH transactions, wire transactions, ATM/ITM transactions, checking transactions, credit card transactions and loan originations. Repeated incidences of fraud or a single large occurrence could adversely impact our reputation, financial condition and results of operations.

We are dependent upon outside third parties for processing and handling of the Company's records and data.

We rely on software developed by third-party vendors to process various transactions. In some cases, we have contracted with third parties to run their proprietary software on our behalf. While we perform a review of controls instituted by applicable vendors over these programs in accordance with industry standards and performs testing of user controls, we rely on continued maintenance of controls by these third-party vendors, including safeguards over security of client data. We may incur a temporary disruption in our ability to conduct business or process transactions, or incur reputational damage, if a third-party vendor fails to adequately maintain internal controls or institute necessary changes to systems. Such a disruption or breach of security could have a material adverse effect on our business. Further, if these third-party service providers experience difficulties, or should terminate their services, and we are unable to replace them on a timely basis, our business operations could be interrupted. If an interruption were to continue for a significant period of time, or if we incurred excessive costs involved with replacing third-party service provider, our business, financial condition and results of operations could be adversely affected.

Our ability to stay current on technological changes in order to compete and meet customer demands is constantly being challenged.

The financial services industry is constantly undergoing rapid technological changes, with frequent introductions of new technology-driven products and services. Future success of Bancorp will depend, in part, upon our ability to address the needs of our customers by utilizing technology to provide products and services that will satisfy customer demands for convenience, as well as to create additional operational efficiencies and greater privacy and security protection for customers and their personal information. Many of our competitors have substantially greater resources to invest in technological improvements. We may not be able to effectively implement new technology-driven products and services as quickly as competitors or be successful in marketing these products and services to our customers. We rely on third party providers for many of our technology-driven banking products and services. Some of these companies may be slow to respond with upgrades or enhancements to their products to keep pace with improvements in technology or the introduction of competing products. Failure to successfully keep pace with technological change affecting the financial services industry could impair our ability to effectively compete to retain or acquire new business and could have an adverse impact on our business, financial position and results of operations.

Changes in customer use of banks could adversely affect our financial condition and results of operations.

The rapid evolution of non-bank alternatives for initiation and completion of financial transactions puts us at risk of losing sources of revenue and funding. The ability of customers to pay bills, deposit and transfer funds, and purchase assets without utilizing the banking system could result in loss of fee income, deposits, and loans. If we are unable to continue timely development of competitive new products and services, our financial condition and results of operations could be adversely affected.

Regulatory and Legal Risks

We operate in a highly regulated environment and may be adversely affected by changes to or lack of compliance with federal, state and local laws and regulations.

We are subject to extensive regulation, supervision and examination by federal and state banking authorities. Any change to, or addition of, applicable regulations or federal or state legislation could have a substantial impact on our financial condition and results of operations. If our policies, procedures and systems are deemed deficient, we would be subject to liability, including fines and regulatory actions, which may include restrictions on the ability to pay dividends and the requirement to obtain regulatory approvals to proceed with certain aspects of our business plan, including branching and acquisitions.

Changes in tax laws and regulations may have an adverse impact on our financial condition and results of operations.

The Tax Cuts and Jobs Act, which was enacted in December 2017, reduced the federal tax rate for corporations from 35% to 21%. While this legislation resulted in a one-time charge to earnings associated with the revaluation of Bancorp's DTAs at the date of enactment, it has since had a positive impact on earnings as federal income tax expense has been reduced. With the Biden Administration taking office in 2021, it is increasingly likely that the federal tax rate for corporations could be increased in the future. The potential enactment of such legislation, or changes in the interpretation of existing tax law, including provisions impacting tax rates, apportionment, consolidation or combination, income, expense, credits and exemptions may have a material adverse effect on our business, financial condition and results of operations.

Changes to state tax laws and regulations that go into effect in the future may have a negative impact on our financial condition and results of operations. In March 2019, the Kentucky Legislature passed HB354 requiring financial institutions to transition from a capital based franchise tax to the Kentucky corporate income tax beginning in 2021. The Kentucky corporate income tax is now assessed at 5% of Kentucky taxable income and is included as a component of current and deferred state income tax expense.

Transactions between Bancorp and its insurance subsidiary, the Captive, may be subject to certain IRS responsibilities and penalties.

The Captive, a wholly owned subsidiary of the Company, is a Nevada-based captive insurance company that provides insurance against certain risks unique to operations of the Company and its subsidiaries for which insurance may not be currently available or economically feasible in today's insurance marketplace. The Treasury Department of the United States and the IRS by way of Notice 2016-66 have stated that transactions believed to be similar in nature to transactions between Bancorp and the Captive may be deemed "transactions of interest" because such transactions may have potential for tax avoidance or evasion. If the IRS ultimately concludes such transactions do create tax avoidance or evasion issues, the Company could be subject to the payment of penalties and interest.

We are subject to litigation risk and reputational risk pertaining to fiduciary responsibility.

From time to time, customers may make claims and take legal action pertaining to our fiduciary responsibilities. Whether customer claims and legal action related to our fiduciary responsibilities are founded or unfounded, if such claims and legal actions are not resolved in a manner favorable to us they may result in significant financial liability and/or adversely affect the market perception of us and our products and services, as well as impact customer demand for those products and services. Any financial liability or reputational damage could have a material adverse effect on our financial condition and results of operations.

Increasing scrutiny and evolving expectations from regulators, investors and other stakeholders with respect to our environmental, social and governance practices may impose additional costs on us or expose us to new or additional risks.

Companies are facing increasing scrutiny from regulators, investors and other stakeholders related to their environmental, social and governance (ESG) practices and disclosure. Investor advocacy groups, investment funds and influential investors are also increasingly focused on these practices, especially as they relate to the environment, health and safety, diversity, labor conditions and human rights. Increased ESG-related compliance costs could result in increases to our overall operational costs. New government regulations could also result in new or more stringent forms of ESG oversight and expanding mandatory and voluntary reporting, diligence and disclosure. Additionally, concerns over the long-term impacts of climate change have led and will continue to lead to governmental efforts to mitigate those impacts. Failure to adapt or comply with related legislation, regulatory requirements or investor or stakeholder expectations and standards could negatively impact our reputation, financial condition and results of operations.

Item 1B. Unresolved Staff Comments.

None.

Item 2. Properties.

The principal offices of Bancorp are located at 1040 East Main Street, Louisville, Kentucky, a complex that also serves as the Bank's main branch. Bancorp's operations center is at a separate location in Louisville. At December 31, 2021, in addition to the main office complex and the operations center, Bancorp owned 44 branches, seven of which are located on leased land. At that date, Bancorp also leased 18 branches, including its WM&T facility. Of the 63 banking locations, 33 are located in our home market of Louisville, while 19, six and five are located in our Central Kentucky, Cincinnati and Indianapolis markets, respectively.

Item 3. Legal Proceedings.

In the ordinary course of operations, Bancorp and the Bank are defendants in various legal proceedings. There is no proceeding pending or, to the knowledge of management, threatened in which an adverse decision could result in a material adverse change in the business or consolidated financial position of Bancorp or the Bank.

Item 4. Mine Safety Disclosures.

NA

PART II

Item 5. Market for Registrant’s Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities.

Bancorp’s common stock is traded on the NASDAQ under the ticker symbol SYBT. On December 31, 2021, Bancorp had approximately 2,000 shareholders of record, and approximately 11,900 beneficial owners holding shares in nominee or “street” name.

The following table shows information relating to the repurchase of shares of common stock by Bancorp during the three months ended December 31, 2021.

	<u>Total number of shares purchased (1)</u>	<u>Average price paid per share</u>	<u>Total number of shares purchased as part of publicly announced plans or programs</u>	<u>Average price paid per share</u>	<u>Maximum number of shares that may yet be purchased under the plans or programs</u>
October 1 - October 31	460	\$ 62.47	460	\$ 62.47	
November 1 - November 30	9,508	64.24	9,508	64.24	
December 1 - December 31	620	62.27	620	62.27	
Total	<u>10,588</u>	<u>\$ 64.04</u>	<u>10,588</u>	<u>\$ 64.04</u>	<u>741,196</u>

(1) Shares repurchased during the three-month period ended December 31, 2021 represent shares withheld to pay taxes due.

Effective May 22, 2019, Bancorp’s Board of Directors approved a share repurchase program authorizing the repurchase of 1 million shares, or approximately 4% of Bancorp’s total common shares outstanding at the time. Stock repurchases are expected to be made from time to time on the open market or in privately negotiated transactions, subject to applicable securities laws. The plan, which was extended in May 2021 and will expire in May 2023 unless otherwise extended or completed at an earlier date, does not obligate the Company to repurchase any specific dollar amount or number of shares prior to the plan’s expiration. No shares were repurchased in 2020, nor in 2021. Management does not intend to resume repurchasing in the near-term. Approximately 741,000 shares remain eligible for repurchase.

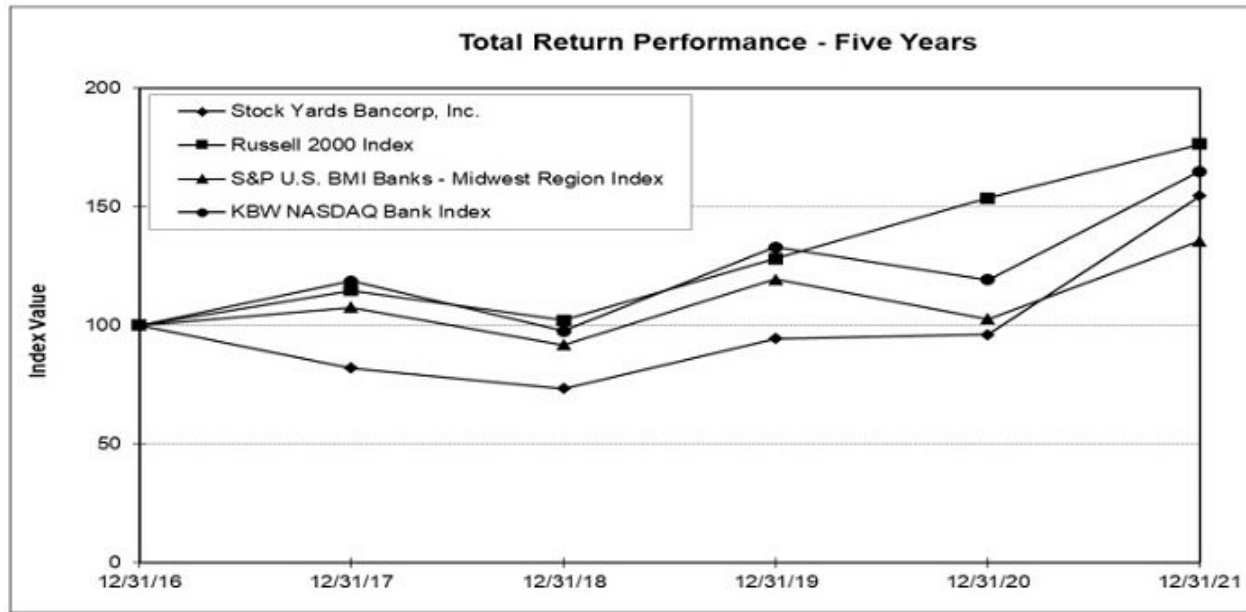
There were no equity securities of the registrant sold without registration during the quarter covered by this report.

On February 15, 2022, the Board of Directors declared a quarterly cash dividend of \$0.28 per common share.

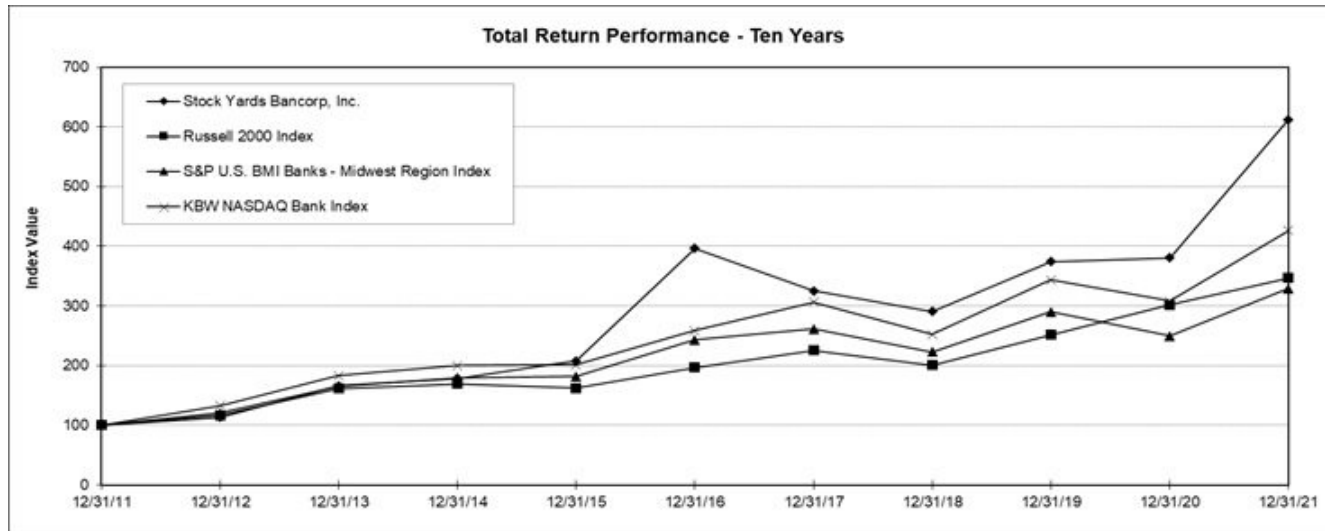
The following performance graphs and data shall not be deemed filed for purposes of Section 18 of the Securities Exchange Act of 1934 or otherwise subject to the liabilities of that section, nor shall it be deemed soliciting material or subject to Regulation 14A of the Exchange Act or incorporated by reference in any filing under the Exchange Act or the Securities Act of 1933, except as shall be expressly set forth by specific reference in such filing.

The first graph compares performance of Bancorp’s Common Stock to the Russell 2000 Index, the SNL Midwest Bank Index, and the SNL Bank NASDAQ Index for the last five fiscal years. The graph assumes the value of the investment in Bancorp’s Common Stock and in each index was \$100 at December 31, 2016 and that all dividends were reinvested.

In addition to the five-year period presented, the ten-year period is presented because it provides additional perspective, and Bancorp management believes that longer-term performance is of interest. The ten-year graph assumes the value of the investment in Bancorp’s Common Stock and in each index was \$100 at December 31, 2011 and that all dividends were reinvested.



Index	Period Ending					
	12/31/16	12/31/17	12/31/18	12/31/19	12/31/20	12/31/21
Stock Yards Bancorp, Inc.	\$ 100.00	\$ 82.04	\$ 73.37	\$ 94.44	\$ 96.01	\$ 154.54
Russell 2000 Index	100.00	114.65	102.02	128.06	153.62	176.39
S&P U.S. BMI Banks - Midwest Region Index	100.00	107.46	91.76	119.38	102.64	135.60
KBW NASDAQ Bank Index	100.00	118.59	97.58	132.84	119.14	164.80



Index	Period Ending										
	12/31/11	12/31/12	12/31/13	12/31/14	12/31/15	12/31/16	12/31/17	12/31/18	12/31/19	12/31/20	12/31/21
Stock Yards Bancorp, Inc.	\$ 100.00	\$ 113.00	\$ 166.01	\$ 178.52	\$ 207.87	\$ 396.34	\$ 325.15	\$ 290.79	\$ 374.31	\$ 380.54	\$ 612.51
Russell 2000 Index	100.00	116.35	161.52	169.43	161.95	196.45	225.23	200.42	251.58	301.80	346.52
S&P U.S. BMI Banks - Midwest Region Index	100.00	120.36	164.78	179.14	181.86	242.99	261.11	222.97	290.09	249.40	329.50
KBW NASDAQ Bank Index	100.00	132.91	183.08	200.24	201.22	258.59	306.67	252.34	343.51	308.08	426.17

Item 6. [RESERVED]

Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations.

The consolidated financial statements include the accounts of Stock Yards Bancorp, Inc. and its wholly owned subsidiaries, SYB and the Captive, collectively referred to as "Bancorp" or the "Company." All significant inter-company transactions and accounts have been eliminated in consolidation.

Bancorp is a FHC headquartered in Louisville, Kentucky. Established in 1904, SYB is a state-chartered non-member financial institution that provides services in Louisville, central, eastern and northern Kentucky, as well as the Indianapolis, Indiana and Cincinnati, Ohio metropolitan markets through 63 full-service banking center locations. The Captive is a Nevada-based, wholly-owned insurance subsidiary of the Company, which was retained in conjunction with the KB acquisition and provides insurance coverage not currently provided by Bancorp's commercial policies to Bancorp and SYB, as well as a group of third-party insurance captives.

Management's Discussion and Analysis of Financial Condition and Results of Operations should be read in conjunction with the consolidated financial statements and accompanying Footnotes presented in Part II Item 8 "*Financial Statements and Supplementary Data*."

Cautionary Statement Regarding Forward-Looking Statements
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This document contains statements relating to future results of Bancorp that are considered "forward-looking" as defined by Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. The forward-looking statements are principally, but not exclusively, contained in Part II Item 7 "*Management's Discussion and Analysis of Financial Condition and Results of Operations*" and Part I Item 1A "*Risk Factors*."

Forward-looking statements involve known and unknown risks, uncertainties, and other factors that may cause actual results, performance, or achievements to be materially different from future results, performance, or achievements expressed or implied by the statement. These statements are often, but not always, made through the use of words or phrases such as "aim," "anticipate," "believe," "can," "conclude," "continue," "could," "estimate," "expect," "foresee," "goal," "intend," "likely," "may," "might," "outlook," "possible," "plan," "predict," "project," "potential," "seek," "should," "target," "will," "would," or other similar expressions. These forward-looking statements are not historical facts and are based on current expectations, estimates and projections about our industry, management's beliefs and certain assumptions made by management, many of which, by their nature, are inherently uncertain and beyond our control. Forward-looking statements detail management's expectations regarding the future and are based on information known to management only as of the date the statements are made and management undertakes no obligation to update forward-looking statements to reflect events or circumstances that occur after the date forward-looking statements are made, except as required by applicable law.

There is no assurance that any list of risks and uncertainties or risk factors is complete. Factors that could cause actual results to differ materially from those expressed or implied in forward-looking statements include, among other things:

- impact of the COVID-19 pandemic on Bancorp's business, including the impact of the actions taken by governmental authorities to try and contain the pandemic or address the impact of the pandemic on the U.S. economy (including, without limitation, various relief efforts), and the resulting effect of all such items on our operations, liquidity and capital position, and on the financial condition of Bancorp's borrowers and other customers;
- changes in, or forecasts of, future political and economic conditions, inflation and efforts to control it;
- accuracy of assumptions and estimates used in establishing the ACL on loans, ACL for off-balance sheet credit exposures and other estimates;
- impairment of investment securities, goodwill, MSRs, other intangible assets or DTAs;
- ability to effectively navigate an economic slowdown or other economic or market disruptions;
- changes in laws and regulations or the interpretation thereof;
- changes in fiscal, monetary, and/or regulatory policies;
- changes in tax policies including but not limited to changes in federal and state statutory rates;
- behavior of securities and capital markets, including changes in interest rates, market volatility and liquidity;
- ability to effectively manage capital and liquidity;
- long-term and short-term interest rate fluctuations, as well as the shape of the U.S. Treasury yield curve;

- the magnitude and frequency of changes to the FFTR implemented by the Federal Open Market Committee of the FRB;
- competitive product and pricing pressures;
- projections of revenue, expenses, capital expenditures, losses, EPS, dividends, capital structure, etc.;
- descriptions of plans or objectives for future operations, products, or services;
- integration of acquired financial institutions, businesses or future acquisitions;
- changes in the credit quality of Bancorp's customers and counterparties, deteriorating asset quality and charge-off levels;
- changes in technology instituted by Bancorp, its counterparties or competitors;
- changes to or the effectiveness of Bancorp's overall internal control environment;
- adequacy of Bancorp's risk management framework, disclosure controls and procedures and internal control over financial reporting;
- changes in applicable accounting standards, including the introduction of new accounting standards;
- changes in investor sentiment or behavior;
- changes in consumer/business spending or savings behavior;
- ability to appropriately address social, environmental and sustainability concerns that may arise from business activities;
- occurrence of natural or man-made disasters or calamities, including health emergencies, the spread of infectious diseases, pandemics or outbreaks of hostilities, and Bancorp's ability to deal effectively with disruptions caused by the foregoing;
- ability to maintain the security of its financial, accounting, technology, data processing and other operational systems and facilities;
- ability to withstand disruptions that may be caused by any failure of its operational systems or those of third parties;
- ability to effectively defend itself against cyberattacks or other attempts by unauthorized parties to access information of Bancorp, its vendors or its customers or to disrupt systems; and
- other risks and uncertainties reported from time-to-time in Bancorp's filings with the SEC, including Part I Item 1A "*Risk Factors*."

Bancorp executed a definitive Agreement and Plan of Merger ("agreement"), dated as of August 3, 2021, to acquire Commonwealth Bancshares, Inc. and its subsidiary Commonwealth Bank & Trust Company (collectively referred to as "Commonwealth"). This document contains statements regarding the proposed acquisition transaction that are not statements of historical fact and are considered forward-looking statements within the criteria described above. These statements are likewise subject to various risks and uncertainties that may cause actual results and outcomes of the proposed transaction to differ, possibly materially, from the anticipated results or outcomes expressed or implied in these forward-looking statements. In addition to factors disclosed in reports filed by Bancorp with the SEC, risks and uncertainties for Bancorp, Commonwealth and the combined company include, but are not limited to: the possibility that some or all of the anticipated benefits of the proposed merger will not be realized or will not be realized within the expected time period; the risk that integration of Commonwealth's operations with those of Bancorp will be materially delayed or will be more costly or difficult than expected; the parties' inability to meet expectations regarding the timing, completion and accounting and tax treatments of the merger; the failure to satisfy the conditions to completion of the merger; the failure of the proposed transaction to close for any other reason, including, without limitation, the occurrence of any event, change or other circumstance that could give rise to the right of either party or both parties to the definitive agreement to terminate the agreement; diversion of management's attention from ongoing business operations and opportunities due to the merger; the challenges of integrating and retaining key employees; the effect of the announcement of the merger on Bancorp's, Commonwealth's or the combined company's respective customer and employee relationships and operating results; the possibility that the merger may be more expensive to complete than anticipated, including as a result of unexpected factors or events; dilution caused by Bancorp's issuance of additional shares of common stock in connection with the merger; the magnitude and duration of the COVID-19 pandemic and its impact on the global economy and financial market conditions and the business, results of operations and financial condition of Bancorp, Commonwealth and the combined company; and general competitive, economic, political and market conditions and fluctuations.

Pending Acquisition of Commonwealth Bancshares, Inc. and its Subsidiary Commonwealth Bank & Trust Company

Effective August 3, 2021, Bancorp executed a definitive agreement, pursuant to which Bancorp will acquire all of the outstanding common stock of privately-owned Commonwealth Bancshares, Inc., which operates 15 retail branches, including nine in Jefferson County, four in Shelby county and two in Northern Kentucky.

Under the terms of the Agreement, the Company will acquire all outstanding common stock in a combined stock and cash transaction, resulting in total consideration to Commonwealth's shareholders of approximately \$171 million based on estimates as of February 17, 2022. Bancorp will fund the cash payment portion of the acquisition through existing resources on-hand.

Bancorp has received all required regulatory approvals to complete the acquisition and the acquisition is expected to close on or around March 7, 2022, subject to satisfaction or waiver of remaining closing conditions. As of December 31, 2021, Commonwealth reported approximately \$1.31 billion in assets, \$680 million in loans, \$1.16 billion in deposits and \$88 million in tangible common equity. Commonwealth also maintains a Wealth Management and Trust Department with total assets under management of \$2.73 billion at December 31, 2021. The combined franchise will have 78 branches at acquisition date and anticipates serving customers through a branch network of 73 locations, as Bancorp has notified regulators of its intent to close five locations as part of the merger. The combined franchise will have total assets of approximately \$8.0 billion, \$4.85 billion in gross loans, \$6.95 billion in deposits and \$7.53 billion in trust assets under management.

Completed Acquisition of Kentucky Bancshares, Inc.

On May 31, 2021, Bancorp completed its acquisition of Kentucky Bancshares, Inc. and its wholly owned subsidiary, Kentucky Bank, collectively defined as "KB," a commercial bank and trust company operating 19 branches throughout central and eastern Kentucky with \$1.27 billion in assets, \$755 million in loans (including PPP), \$396 million in AFS debt securities and \$1.04 billion in deposits at the time of acquisition. Kentucky Bancshares, Inc. was also the holding company for an insurance captive, which Bancorp acquired and retained. Bancorp acquired all outstanding common stock of Kentucky Bancshares, Inc. in a combined stock and cash transaction that resulted in total consideration paid to Kentucky Bancshares, Inc. shareholders of \$233 million.

Bancorp recorded goodwill of \$123 million and incurred pre-tax merger related expenses totaling \$18.1 million for the year ended December 31, 2021 as a result of the KB acquisition.

The acquisition of KB had a significant impact on the ACL and credit loss provisioning for the year ended December 31, 2021. In total, acquisition-related activity served to increase the ACL by \$14.2 million for the year ended December 31, 2021. This increase consisted of \$6.8 million attributed to the acquired PCD loan portfolio, with the corresponding offset recorded to goodwill (as opposed to provision for credit loss expense), and \$7.4 million attributed to the acquired non-PCD portfolio, which represented the acquisition-related provision expense for the year ended December 31, 2021.

Issued but Not Yet Effective Accounting Standards Updates

For disclosure regarding the impact to Bancorp's financial statements of issued-but-not-yet-effective ASUs, see the Footnote titled "*Summary of Significant Accounting Policies*" of Part II Item 8 "*Financial Statements and Supplementary Data*."

Critical Accounting Policies and Estimates

Bancorp's consolidated financial statements and accompanying footnotes have been prepared in accordance with GAAP. The preparation of these financial statements requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, the disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenue and expenses during the reported periods.

Management continually evaluates its accounting policies and estimates that it uses to prepare the consolidated financial statements. In general, management's estimates and assumptions are based on historical experience, accounting and regulatory guidance, and information obtained from independent third-party professionals. Actual results may differ from those estimates made by management.

Critical accounting policies are those that management believes are the most important to the portrayal of Bancorp's financial condition and operating results and require management to make estimates that are difficult, subjective and complex. Most accounting policies are not considered by management to be critical accounting policies. Several factors are considered in determining whether or not a policy is critical in the preparation of the financial statements. These factors include, among other things, whether the estimates have a significant impact on the financial statements, the nature of the estimates, the ability to readily validate the estimates with other information including independent third parties or available pricing, sensitivity of the estimates to changes in economic conditions and whether alternative methods of accounting may be utilized under GAAP. Management has discussed each critical accounting policy and the methodology for the identification and determination of critical accounting policies with Bancorp's Audit Committee. Effective January 1, 2021 through December 31, 2021, the significant accounting policies considered the most critical in preparing Bancorp's consolidated financial statements are the determination of the ACL on loans and Goodwill.

Allowance for Credit Losses on Loans and Provision for Credit Losses

On January 1, 2020, Bancorp adopted ASC 326 "*Financial Instruments – Credit Losses*," which created material changes to Bancorp's critical accounting policy that existed at December 31, 2019.

For purposes of establishing the general reserve, Bancorp stratifies the loan portfolio into homogeneous groups of loans that possess similar loss potential characteristics and calculates the net amount expected to be collected over the life of the loans to estimate the credit losses in the loan portfolio. Bancorp's methodologies for estimating the ACL on loans consider available relevant information about the collectability of cash flows, including information about past events, current conditions, and reasonable and supportable forecasts.

The ACL on loans is established through credit loss expense charged to current earnings. The amount maintained in the ACL reflects management's estimate of the net amount not expected to be collected on the loan portfolio at the balance sheet date over the life of the loan. The ACL is comprised of specific reserves assigned to certain loans that do not share general risk characteristics and general reserves on pools of loans that do share general risk characteristics. Factors contributing to the determination of specific reserves include the creditworthiness of the borrower and more specifically, changes in the expected future receipt of principal and interest payments and/or in the value of pledged collateral. A reserve is recorded when the carrying amount of the loan exceeds the discounted estimated cash flows using the loan's initial effective interest rate, an expected loss ratio based on historical losses adjusted as appropriate for qualitative factors, or the fair value of the collateral for certain collateral-dependent loans.

With the adoption of CECL, provision expense may be more volatile due to changes in the CECL model assumptions of credit quality, macroeconomic factors and conditions, and loan composition. The pandemic has had a material impact on Bancorp's quarterly ACL calculations. While Bancorp has not yet experienced credit quality issues resulting in charge-offs related to the pandemic, ACL calculations and resulting credit loss expense is significantly impacted by changes in forecasted economic conditions, which were generally volatile for the years ended December 31, 2020 and 2021, respectively. Should the forecast for economic conditions worsen, Bancorp could experience further increases in its required ACL and record additional credit loss expense.

Goodwill

Goodwill resulting from business combinations represents the excess of the purchase price over the fair value of the net assets of businesses acquired. Goodwill resulting from business combinations is generally determined as the excess of the fair value of the consideration transferred, plus the fair value of any non-controlling interests in the acquire, over the fair value of the net assets acquired and liabilities assumed as of the acquisition date. Goodwill and intangible assets acquired in a purchase business combination and determined to have an indefinite useful life are not amortized, but tested for impairment at least annually. Events that may trigger goodwill impairment include deterioration in economic conditions, a decline in market-dependent multiples or metrics (i.e. stock price falling below tangible book value), negative trends in overall financial performance and regulatory action.

Bancorp has selected September 30 as the date to perform the annual impairment test. Goodwill is the only intangible asset with an indefinite life on Bancorp's consolidated balance sheets. No impairment to Goodwill was indicated based on Bancorp's annual testing for 2021.

At December 31, 2021, Bancorp had \$136 million in goodwill recorded on its balance sheet, consisting primarily of \$123 million recorded in association with the acquisition of KB. As permitted under GAAP, management has up to 12 months following the date of acquisition to finalize the fair values of the acquired assets and assumed liabilities related to the KB acquisition. During this measurement period, Bancorp may record subsequent adjustments to goodwill for provisional amounts recorded at the acquisition date. Further, additional goodwill is expected to be recorded in association with the pending Commonwealth acquisition in 2022, which will increase the amount of goodwill on Bancorp's balance sheet significantly.

Business Segment Overview

Bancorp is divided into two reportable segments: Commercial Banking and WM&T:

Commercial Banking provides a full range of loan and deposit products to individual consumers and businesses in all its markets through retail lending, mortgage banking, deposit services, online banking, mobile banking, private banking, commercial lending, commercial real estate lending, leasing, treasury management services, merchant services, international banking, correspondent banking and other banking services. The Bank also offers securities brokerage services via its banking center network through an arrangement with a third party broker-dealer in the Commercial Banking segment.

WM&T provides investment management, financial & retirement planning and trust & estate services, as well as retirement plan management for businesses and corporations in all markets in which Bancorp operates. The magnitude of WM&T revenue distinguishes Bancorp from other community banks of similar asset size.

Overview – Impact of the COVID-19 Pandemic on Financial Condition and Results of Operations

The COVID-19 pandemic in the U.S. and efforts to contain both the virus and the related economic fallout have had a complex and significant impact on the economy, the banking industry and Bancorp. While the distribution of vaccinations, easing of restrictions on public commerce and business activities, and stabilizing unemployment levels have been positive developments over the past several months, the pandemic's effects on local, national and global economic activity may continue to weigh on Bancorp's financial condition and results of operations in 2022.

Bancorp's financial condition and results of operations for the year ended December 31, 2021 were significantly impacted by the following pandemic-related factors, among others:

- Overall excess balance sheet liquidity
- The sustained low interest rate environment and related NIM compression
- Significant participation in the SBA's PPP, which concluded on May 31, 2021
- The FRB's Seasonally Adjusted National Civilian Unemployment Rate forecast and the resulting impact to the ACL on loans and off balance sheet credit exposures

The FRB's decision to lower the FFTR 150 bps in March of 2020 in response to the then-developing pandemic decreased the FFTR to a range of 0%-0.25% and Prime to 3.25%, where both remained as of December 31, 2020 and 2021. Consistent with the rate drops, key benchmark rates, such as the five-year treasury rate and one-month LIBOR, declined dramatically. While the interest rate environment has improved in recent quarters, key rates remain well below pre-pandemic levels.

Bancorp's participation in the PPP resulted in approximately 5,500 PPP loan originations totaling \$918 million (\$887 million net of unearned deferred fees and costs) since the program's inception as part of the CARES Act, which was signed into law in March 2020. While the first round of PPP expired in August 2020, legislative action created a second round of funding for the program and subsequently extended the program to May 31, 2021.

As part of the first round of the PPP, Bancorp originated over 3,400 PPP loans totaling \$657 million (\$637 million net of unearned deferred fees and costs). As of December, 2021, 98% of the dollars originated in the first round have been forgiven. Further, approximately 99% of the \$19.6 million in net fees received for this round have been recognized life to date. As these borrowers were required to begin making payments in July, accelerated forgiveness activity was experienced during the third and fourth quarters of 2021. Remaining round one originations are expected to be forgiven in the coming months.

As part of the second round of the PPP, Bancorp originated over 2,100 PPP loans totaling \$261 million (\$250 million net of unearned deferred fees and costs). As of December 31, 2021, 49% of the dollars originated in the second round have been forgiven and 61% of the \$11.4 million in net fees received for this round were recognized in 2021. As these borrowers are not required to make payments for 16 months, Bancorp expects a significant portion of these borrowers will seek forgiveness in early to mid-2022 in connection with their tax return preparation.

As of December 31, 2021, outstanding PPP loans originated by KB and acquired by Bancorp totaled \$6 million.

Interest and fee income earned on the PPP portfolio totaled \$22.0 million and \$13.6 million for the years ended December 31, 2021 and 2020, respectively. As of December 31, 2021, Bancorp had \$4.6 million of net unearned deferred fees related to the PPP that have yet to be recognized and as a result, PPP loan forgiveness will continue to have an impact on operating results for the first part of 2022.

As a result of the PPP originations, forgiveness activity, record deposit levels and historically low interest rates, excess liquidity has created NIM compression, as well as challenges associated with deploying idle cash. Bancorp made substantial investments in the AFS debt securities portfolio during the year in an effort to deploy excess liquidity, purchasing \$505 million in AFS debt securities (excluding those added through the KB acquisition) in 2021.

The ACL on loans (excluding acquisition related activity) decreased \$5 million between December 31, 2020 and December 31, 2021, a stark contrast from the large reserve build recorded between December 31, 2019 and December 31, 2020, which included a \$15 million increase that was separate and subsequent to the increases recorded effective January 1, 2020 in relation to the initial adoption of CECL. The pandemic had a material impact on ACL calculations in 2020 and 2021, as provisioning surged amidst changes in forecasted economic conditions, especially the FRB's Seasonally Adjusted National Civilian Unemployment Rate. After peaking towards the middle of 2020, unemployment forecasts have steadily improved, as have other underlying CECL model factors, resulting in a reduction of the provision for credit losses recorded in each quarter of 2021.

While separate from the ACL on loans and recorded in other liabilities on the consolidated balance sheets, the ACL for off balance sheet credit exposures also experienced a decrease between December 31, 2020 and December 31, 2021. A net benefit of \$2.2 million was recorded to provision for credit losses for off balance sheet exposures in 2021, as loss factors associated within the calculation improved and line of credit utilization continued to increase, while remaining below pre-pandemic levels. Partially offsetting this decrease was a \$250,000 increase to the ACL for off balance sheet credit exposures recorded during the second quarter, in relation to the KB acquisition, which had no impact on earnings. The ACL for off balance sheet credit exposures stood at \$3.5 million as of December 31, 2021 compared to \$5.4 million as of December 31, 2020.

Bancorp has not incurred any significant challenges to its ability to maintain its systems and controls in light of the measures taken to prevent the spread of COVID-19 and has not incurred significant resource constraints through the implementation of its business continuity plans and does not anticipate incurring such issues in the future. Bancorp has not made, and at this time does not expect to make, any material staffing or compensation changes as a result of the pandemic.

Overview – Operating Results (FTE)

The following table presents an overview Bancorp's financial performance for the years ended December 31, 2021, 2020 and 2019:

Years Ended December 31, (dollars in thousands, except per share data)	Variance				
	2021	2020	2019	2021 / 2020	2020 / 2019
Net income	\$ 74,645	\$ 58,869	\$ 66,067	27%	(11)%
Diluted earnings per share	\$ 2.97	\$ 2.59	\$ 2.89	15%	(10)%
ROA	1.33%	1.40%	1.90%	(7)bps	(50)bps
ROE	13.02%	14.01%	17.09%	(99)bps	(308)bps

Additional discussion follows under the section titled "Results of Operations."

General highlights for the year ended December 31, 2021 compared to December 31, 2020:

- Bancorp completed its acquisition of KB during the second quarter of 2021. At the time of acquisition, KB had \$1.27 billion in assets, \$755 million in loans (including PPP), \$396 million in AFS debt securities and \$1.04 billion in deposits.
 - The year ended December 31, 2021 included seven months of activity associated with the KB acquisition, which contributed approximately \$20.0 million in net interest income, \$7.0 million in non-interest income and \$15.3 million in non-interest expense (excluding one-time merger related expenses). In addition, one-time merger related expenses totaling \$18.1 million and credit loss expense on the acquired loan portfolio of \$7.4 million were recorded for the year ended December 31, 2021.
- In 2021, Bancorp set the following financial records:
 - Total revenue, comprising net interest income FTE and non-interest income, of \$237.4 million, shattering the previous record of \$188.0 million in 2020
 - Record loan production (excluding PPP), which drove \$291 million of legacy portfolio growth and, combined with expansion into the Central Kentucky market, led to record total loans of \$4.12 billion at December 31, 2021
 - Total deposit growth of \$1.80 billion, surpassing the previous record of \$855 million in 2020, \$1.08 billion of which was added through expansion into the Central Kentucky market (entered into as a result of the KB acquisition)
 - WM&T AUM totaled \$4.80 billion at December 31, 2021, with \$949 million of growth during the year, approximately \$250 million of which was added through the KB acquisition
 - WM&T services income of \$27.6 million boosted by record net new business generation and strong market performance at December 31, 2021
 - Debit and credit card income of \$13.5 million, supported by organic and acquisition-related growth in transaction volume and customer base
 - Higher transaction volume, new product sales and customer base expansion boosted Treasury Management fees to a record \$6.9 million
- Net income totaled \$74.6 million for the year ended December 31, 2021, resulting in diluted EPS of \$2.97, compared to net income of \$58.9 million and diluted EPS of \$2.59 for the year ended December 31, 2020.
 - Operating results from the year ended December 31, 2021 were significantly impacted by the acquisition of KB, PPP forgiveness activity, reduction in both the ACL on loans and ACL for off-balance sheet exposures, substantial organic loan and deposit growth (excluding acquisition and PPP) and historic levels of excess liquidity.
 - Operating results for the year ended December 31, 2020 were lower compared to 2021, primarily due to increased credit loss provisioning and reserves for off-balance sheet credit exposures associated with the developing pandemic and unprecedented government stimulus actions had a significant impact on Bancorp's operating results in 2020.
- NIM decreased 17 bps to 3.22% for the year ended December 31, 2021 compared to 3.39% for the prior year consistent with the sustained low interest rate environment and record levels of excess liquidity, which created significant NIM compression. Despite the decrease in NIM, organic loan growth, the KB acquisition, fee income associated with PPP loans and deposit rate cuts resulted in a \$35.2 million, or 26%, increase in net interest income compared to the prior year.

- Total loans (excluding PPP loans) increased \$1.05 billion, or 35%, for the year ended December 31, 2021 as compared to December 31, 2020. While approximately \$756 million of this growth was attributed to the central Kentucky market (entered into as a result of the KB acquisition), the remaining \$291 million was attributed to strong organic growth highlighted by each of the Louisville, Indianapolis and Cincinnati markets ending the year at historic highs.
- Total provision for credit losses was a net benefit of \$753,000 for the year ended December 31, 2021 compared to \$18.4 million of provision expense recorded for the year ended December 31, 2020.
 - While provision of \$7.4 million was recorded in relation to the loan portfolio added through the KB acquisition, a cumulative net benefit of \$8.2 million was recorded for credit losses on loans and credit losses on off balance sheet exposures in 2021, as a result of stabilized unemployment forecasts, generally improving CECL model factors and stronger line of credit utilization.
 - The adoption of CECL effective January 1, 2020 and subsequent pandemic-related developments, such as elevated unemployment and historic declines in line of credit utilization amidst the evolving pandemic drove elevated provisioning in 2020.
- C&I line of credit utilization improved to 31.8% at December 31, 2021, up from 26.1% at December 31, 2020. The onset of the pandemic in 2020 resulted in gradually declining levels of utilization that bottomed out in March of 2021, improving thereafter in each of the final three quarters of 2021. While this was a positive development for loan growth during the year, utilization still remains well below pre-pandemic levels.
- Bancorp's ACL on loans to total loans was 1.29% at December 31, 2021, compared to 1.47% at December 31, 2020.
- Total deposits increased \$1.80 billion, or 45%, at December 31, 2021 compared to December 31, 2020. Approximately \$1.08 billion of this growth was attributed to the central Kentucky market (entered into as a result of the KB acquisition) while significant organic growth was also experienced during the year, as customers generally maintained elevated levels of liquidity stemming from economic uncertainty, PPP funding and continued federal stimulus. Deposits have remained elevated for several quarters and finished at record levels (including and excluding acquisition-related activity) as of December 31, 2021.
- Non-interest income increased \$14.0 million, or 27%, for the year ended December 31, 2021 compared to the prior year. While the acquisition of KB resulted in a substantial contribution to non-interest income, significant organic growth was also experienced across all non-interest revenue streams, with the exception of mortgage banking, led by WM&T, card income and Treasury management fees.
- Non-interest expenses increased \$40.6 million, or 40%, for the year ended December 31, 2021 compared to the same period of 2020, \$19.0 million of which related to one-time merger related expenses (including expenses relating to the pending Commonwealth acquisition). While recurring expenses attributed to the KB acquisition comprise the majority of the remaining increase, non-interest expenses in general remained well-controlled and consistent with expansion, strong performance and continued investment in technology.
- Bancorp's efficiency ratio (FTE) for the year ended December 31, 2021 increased to 59.94% from 54.06% for the prior year, consistent with recording one-time merger related costs of \$19.0 million for the year ended December 31, 2021. Excluding one-time merger related costs and expenses related to the amortization of tax credit partnerships, Bancorp's non-GAAP efficiency ratio at December 31, 2021 improved to 51.77% from 52.42% for the year prior. See the section titled "*Non-GAAP Financial Measures*" for reconciliation of non-GAAP to GAAP measures.
- The ETR increased to 21.75% for the year ended December 31, 2021 from 13.10% for the same period in 2020. The increase was significantly impacted by the prior year benefit of a large historic tax credit project coupled with Bancorp's transition from a capital-based franchise tax to the Kentucky corporate income tax, which began January 1, 2021.

Total stockholder's equity to total assets was 10.17% as of December 31, 2021 compared to 9.56% at December 31, 2020. Total equity increased \$235 million in 2021, as \$205 million of stock issued for the acquisition of KB and net income of \$74.6 million were offset by \$28.2 million of dividends declared, changes in AOCI and stock based compensation activity.

TCE is a measure of a company's capital, which is useful in evaluating the quality and adequacy of capital. Bancorp's ratio of TCE to total tangible assets was 8.22% as of December 31, 2021, compared with 9.28% at December 31, 2020, the decline driven by goodwill of \$123 million recorded in relation to the KB acquisition. See the section titled "*Non-GAAP Financial Measures*" for reconciliation of non-GAAP to GAAP measures.

General highlights for the year ended December 31, 2020 compared to December 31, 2019:

- Net income totaled \$58.9 million for the year ended December 31, 2020, resulting in diluted EPS of \$2.59, a 10% decline from the prior year. The year ended December 31, 2019 included \$3.9 million in non-recurring tax adjustments related to two Kentucky tax law changes that equated to \$0.18 per diluted share in addition to one-time merger related expenses, which equated to \$0.05 per diluted share for 2019. Operating results for the year ended December 31, 2020 were lower compared to the prior year, primarily due to increased credit loss provisioning and reserves for off-balance sheet credit exposures associated with the uncertain pandemic-related economic conditions, a substantially lower interest rate environment and unprecedented government stimulus actions.
- NIM decreased 43 bps to 3.39% for the year ended December 31, 2020 compared to 3.82% for the prior year, consistent with the decline in the interest rate environment, the addition of the low-yielding PPP portfolio and excess balance sheet liquidity; offset by strong average year over prior year loan growth (excluding PPP loans) and the strategic lowering of stated deposit interest rates and CD offering rates in tandem with FRB interest rate actions. Despite the decrease in NIM, Bancorp's deposit rate cuts and fee income associated with PPP loans resulted in a \$10.6 million, or 8%, increase in net interest income compared to the prior year.
- Effective January 1, 2020, Bancorp began accounting for credit losses under ASC 326, or CECL. The adoption of this standard increased the opening balance of the ACL on loans and the reserve for off-balance sheet credit exposures as of January 1. Initial adoption reduced Bancorp's retained earnings with no corresponding income statement impact.
- Total loans (excluding PPP loans) increased \$136 million, or 5%, for the year ended December 31, 2020, as record first and fourth quarter loan production book-ended the largest quarterly loan balance contraction in the Company's history during the second quarter and flat net loan activity in the third quarter.
- Line of credit utilization declined significantly in 2020, falling to 38.0% at December 31, 2020 compared to 47.1% at December 31, 2019. The decline was led by C&I line usage, which dropped from 40.9% at December 31, 2019 to 26.1% at December 31, 2020, with a low point of 23.3% reached at September 30, 2020.
- Deposit balances ended at record levels at December 31, 2020, primarily as a result of PPP funding and higher levels of liquidity held by customers attributable to current economic uncertainty.
- Despite overall strong credit metrics, significant credit loss provisioning occurred based on the on-going economic crisis, its corresponding impact on unemployment forecast adjustments within the CECL model, the addition of a large specific reserve, qualitative factor adjustments and loan growth. Significant provisioning related to off-balance sheet credit exposures was also recorded for the year ended December 31, 2020 consistent with declines in line utilization (mainly C&I).
- Bancorp's ACL on loans to total loans was 1.47% at December 31, 2020, compared to 0.94% at December 31, 2019. Bancorp's ACL on loans to total loans (excluding PPP loans) rose to 1.74% at December 31, 2020.
- Non-interest income increased 5% for the year ended December 31, 2020 compared to the prior year on the heels of record mortgage banking income despite substantially lower deposit service charge income and the prior year period benefitting from \$1.4 million of non-recurring income. Strong WM&T results, which included a large estate fee in the first quarter of 2020 and continued growth in treasury management fees and card income also contributed to the increase.
- Non-interest expenses increased 4% for the year ended December 31, 2020 compared to the same period of 2019. Elevated tax credit amortization stemming from a large tax credit investment and continued investment in technology drove the increase despite declines associated with one-time acquisition-related charges and non-recurring activity in the prior year and pandemic-driven decreases in marketing and business development activity.
- Bancorp's efficiency ratio (FTE) for the year ended December 31, 2020 improved to 54.06% from 56.07% for the prior year, the latter of which included \$1.3 million in one-time merger-related expenses associated with the 2019 KSB acquisition.
- The ETR increased to 13.1% for the year ended December 31, 2020 from 12.7% for the same period in 2019, the latter of which benefitted from \$3.9 million in non-recurring tax adjustments related to two Kentucky tax law changes.

Total stockholder's equity to total assets was 9.56% as of December 31, 2020 compared to 10.91% at December 31, 2019, the decline driven by the outsized balance sheet growth attributed to PPP participation. Total equity increased \$34.4 million in 2020, as net income of \$58.9 million and changes in AOCI were offset by dividends declared of \$24.5 million and various stock based compensation.

Bancorp's ratio of TCE to total tangible assets was 9.28% as of December 31, 2020, compared with 10.55% at December 31, 2019, the decline driven by the significant balance sheet growth associated with PPP participation as noted above. See the section titled "*Non-GAAP Financial Measures*" for reconciliation of non-GAAP to GAAP measures.

Challenges for 2022:

Bancorp has identified the following challenges for fiscal year 2022:

- Bancorp expects to complete the merger of Commonwealth Bancshares, Inc. in the first quarter of 2022. Bancorp has received all required regulatory approvals to complete the acquisition and the acquisition is expected to close on or around March 7, 2022. Acquisitions require integration of different corporate cultures, loan and deposit products, pricing strategies, data processing systems and other technologies, accounting, internal audit and financial reporting systems, operating systems and internal controls, and marketing programs and personnel. Bancorp will need to manage the transition effectively to maximize retention of Commonwealth's customers and employees, integrate personnel and systems efficiently, and maximize anticipated economic benefits.
- The prospects of a rising interest rate environment for 2022 and beyond present interest rate risk management challenges. Bancorp has benefitted significantly from the low cost of funds provided by its deposit base over the past year, as stated deposit rates have remained at very low levels since early 2020. Bancorp has also made significant investment in its AFS debt securities portfolio at low fixed rates, the market values of which will be impacted by rising rates. Given the record levels of liquidity held by Bancorp and in the banking system generally, the interest rate risk profile of Bancorp is expected to be slightly asset sensitive with interest rates expected to rise.
- NIM compression remains a challenge for 2022. While the FRB is projecting multiple rate hikes in 2022 based on its December 2021 policy meeting, on-going record levels of liquidity, existing and anticipated pricing pressure/competition and other economic factors, such as inflation, provide reasons for caution. Further, the timing of forgiveness associated with the remaining outstanding PPP portfolio will continue to affect loan yields and NIM, particularly in the first part of 2022.
- Net loan growth, excluding the PPP portfolio, is a major focus for Bancorp in 2022. This will be impacted by developments surrounding the on-going pandemic, competition, prevailing interest rates, economic conditions, line of credit utilization and loan prepayments. Bancorp believes there is continued opportunity for loan growth in all of its markets, including the recently entered Central Kentucky market. The pending acquisition of Commonwealth Bancshares, Inc. only serves to bolster these prospects. Bancorp's ability to deliver attractive loan growth over the long-term is linked to Bancorp's overall success.
- The continued integration and development of the central Kentucky market remains a top priority for 2022 as well. The acquisition of KB in 2021 expanded Bancorp's presence in central and eastern Kentucky and will allow Bancorp to provide broader product offerings, increased lending capabilities and an expanded branch delivery system to existing and prospective customers alike, creating solid growth opportunities and a larger platform for future expansion. Prioritizing the development of the central Kentucky market, including growth of the WM&T business in this market, will play a major role in delivering strong operating results in the coming year.
- Bancorp derives significant non-interest income from WM&T services. Most of these fees are based upon the market value of AUM at respective period ends. To continue growth of this income source, Bancorp must attract new customers and retain existing customers. Bancorp believes there is opportunity for growth in all of its markets, particularly through the newly entered Central Kentucky market and the pending acquisition of Commonwealth Bancshares, Inc., the latter of which will serve to grow our WM&T customer base significantly. Growth in market values of AUM and fees is dependent upon positive returns in the overall capital markets, which ended 2021 near record highs. Bancorp has no control over market volatility.
- Competitive factors surrounding the developing trend of financial institutions reducing or eliminating certain deposit account fees, particularly overdraft-related fees, presents a significant challenge to growing deposit-related non-interest income in the future and potentially threatens a revenue stream that has been in an industry-wide, regulation-driven decline for several years. Strategic decisions surrounding this trend may impact not only deposit-related income, but also deposit relationships in general, particularly for retail customers, as consumer use of these bank deposit services continues to evolve. Continuous monitoring of these trends and evaluation of any potential changes to our deposit service fee structure will play a key role in the growth of Bancorp's non-interest income.
- Technological advances are consistently providing opportunities for Bancorp to consider potential new products and delivery channels. Bancorp's customers' demand for innovative and relevant products and services is expected to trend along with changing technology. Bancorp will need to continue to make prudent investments in technology while managing associated risks so as to remain competitive with other financial service providers, especially as Bancorp's continued expansion raises the level of expectation from customers.
- Over the past several years, Bancorp's asset quality metrics have trended within a narrow range, exceeding benchmarks and reaching historically strong levels. Bancorp realizes that present asset quality metrics are positive and, recognizing the cyclical nature of the lending business, Bancorp anticipates this trend will likely normalize over time.
- Operating results for 2020 and 2021 were significantly impacted by the pandemic and efforts to contain both the virus and its economic impact will continue to weigh on the economy, the banking industry and Bancorp. As such, any future regulatory and legislative actions taken in response to related developments could have a significant impact on future operating results.

Results of Operations

Net Interest Income - Overview

As is the case with most banks, Bancorp's primary revenue sources are net interest income and fee income from various financial services provided to customers. Net interest income is the difference between interest income earned on loans, investment securities and other interest earning assets less interest expense on deposit accounts and other interest bearing liabilities. Loan volume and interest rates earned on those loans are critical to overall profitability. Similarly, deposit volume is crucial to funding loans and rates paid on deposits directly impact profitability. New business volume is influenced by numerous economic factors including market interest rates, business spending, liquidity, consumer confidence and various competitive conditions within the marketplace. The discussion that follows is based on fully tax-equivalent interest data.

Comparative information regarding net interest income follows:

As of and for the Years Ended December 31, (dollars in thousands)	2021	2020	2019	Variance	
				2021 / 2020	2020 / 2019
Net interest income	\$ 171,074	\$ 135,921	\$ 125,348	26%	8%
Net interest income (FTE)*	171,508	136,133	125,571	26%	8%
Net interest spread	3.16%	3.22%	3.50%	(6)bps	(28)bps
Net interest margin	3.22%	3.39%	3.82%	(17)bps	(43)bps
Average earning assets	\$ 5,318,968	\$ 4,019,336	\$ 3,290,345	32%	22%
Five year Treasury note rate at year end	1.26%	0.36%	1.69%	90bps	(133)bps
Average five year Treasury note rate	0.86%	0.53%	1.95%	33bps	(142)bps
Prime rate at year end	3.25%	3.25%	4.75%	-bps	(150)bps
Average Prime	3.25%	3.53%	5.29%	(28)bps	(176)bps
One month LIBOR at year end	0.10%	0.14%	1.76%	(4)bps	(162)bps
Average one month LIBOR	0.10%	0.52%	2.22%	(42)bps	(170)bps

*See table titled, "Average Balance Sheets and Interest Rates (FTE)" for detail of Net interest income (FTE).

NIM and net interest spread calculations above exclude the sold portion of certain participation loans, which totaled \$5 million, \$10 million and \$8 million for the years ended December 31, 2021, 2020 and 2019, respectively. These sold loans are on Bancorp's balance sheet as required by GAAP because Bancorp retains some form of effective control; however, Bancorp receives no interest income on the sold portion. These participation loans sold are excluded from NIM and spread analysis, because Bancorp believes it provides a more accurate depiction of loan portfolio performance.

Prime rate, the five year Treasury note rate and the one month LIBOR are included in the table above to provide a general indication of the interest rate environment in which Bancorp has operated during the past three years. Approximately \$1.2 billion, or 30%, of Bancorp's loans are variable rate and are indexed to either Prime or LIBOR, generally repricing as those rates change. At inception, most of Bancorp's fixed rate loans are priced in relation to the five year Treasury rate.

The interest rate environment has experienced a significant decline over the three year period referenced above. The FFTR began 2019 at a range of 2.25-2.50%, and in turn, Prime began that same year at 5.50%, representing the highest interest rates experienced post-Great Recession. Subsequent to hitting those peak marks, the FRB lowered the FFTR five times for a total of 225 bps, the most recent of which came in March of 2020 and took the FFTR to a range of 0-0.25% and Prime to 3.25%, where both remained as of December 31, 2020 and December 31, 2021.

Discussion of 2021 vs 2020:

Net interest spread and NIM were 3.16% and 3.22% for the year ended December 31, 2021 compared to 3.22% and 3.39% for the year ended December 31, 2020. NIM was significantly impacted in 2021 by the following:

- A sustained low interest rate environment, driven by the lowering of the FFTR in March 2020 to a range of 0% - 0.25%, which resulted in Prime dropping to 3.25%, where it has remained since the first quarter of 2020.
- PPP originations, which began in the second quarter of 2020 and continued through expiration of the program on May 31, 2021, as well as the related forgiveness activity, which accelerates the recognition of fee income on these loans and continues to have a significant effect on NIM. The PPP portfolio contributed an 18 bps benefit to NIM for the year ended December 31, 2021 as a result of forgiveness activity, which drove the recognition of \$18.1 million in PPP-related fee income. In comparison, the PPP portfolio had a negative impact of 3 bps on NIM for the year end December 31, 2020 due to the large amount of originations that occurred in 2020 and the affect that the low-yielding, 1% stated rate of these notes had on NIM for the period.
- Overall, excess balance sheet liquidity contributed approximately 25 bps of NIM compression for the year ended December 31, 2021. By comparison, excess balance sheet liquidity contributed approximately 13 bps of NIM compression for the same period of 2020. In general, excess liquidity within the banking system has led to a highly competitive loan rate environment over the past two years.
- Substantial balance sheet growth, both organic and acquisition-related, which resulted in total average earning asset growth of \$1.3 billion, or 32%, and average interest-bearing liability growth of \$773 million, or 30%, for the year ended December 31, 2021 compared to the same period of 2020.
- The lowering of deposit rates in tandem with FRB interest rate actions and the benefit of paying off all FHLB advances during 2021.

Net interest income (FTE) increased \$35.4 million, or 26%, for the year ended December 31, 2021 compared to the same period of 2020, due to interest and fee income associated with the PPP portfolio, substantial growth in the non-PPP loan portfolio and AFS debt securities portfolio, and the aforementioned lowering of deposit rates.

Total average interest earning assets increased \$1.30 billion, or 32%, to \$5.32 billion for the year ended December 31, 2021, as compared to the same period of 2020, with the average rate earned on total interest earning assets contracting 34 bps to 3.34%.

- Average total loans increased \$646 million, or 20%, for the year ended December 31, 2021 compared to the same period of 2020. Average non-PPP loan balances grew \$692 million, or 24%, for the year ended December 31, 2021 compared to the same period of 2020, attributed to both the acquisition and strong organic growth. Average PPP loan balances decreased \$45 million, or 10%, for the year ended December 31, 2021 compared to the same period of 2020, consistent with forgiveness activity throughout 2021.
- Average AFS debt securities grew \$446 million, or 98%, for the year ended December 31, 2021 compared to the same period of 2020, which was attributed to a combination of strategically deploying excess liquidity through further investment and the KB acquisition.
- Average FFS and interest bearing due from balances increased \$217 million, or 94%, for the year ended December 31, 2021, consistent with the elevated level of deposits.

Total interest income (FTE) increased \$29.4 million, or 20%, to \$177.5 million for the year ended December 31, 2021 as compared to the same period of 2020.

- Interest and fee income on loans (FTE) increased \$26.6 million, or 19%, to \$164.4 million for the year ended December 31, 2021 compared to the same period of 2020, driven by accelerated recognition of PPP fee income consistent with forgiveness activity, organic loan growth and the contribution attributed to the KB acquisition.
- Significant growth in average AFS debt securities drove an increase of \$3.2 million, or 37%, for interest income (FTE) on the portfolio for the year ended December 31, 2021 compared to the same period of 2020. However, the lower interest rate environment experienced over the past twelve months weighed heavily on fixed income security yields, which decreased 59 bps, or 31%.
- Despite the substantial increase experienced for average FFS and interest bearing due from balances, corresponding interest income decreased \$93,000, or 13%, for the year ended December 31, 2021 compared to the same period of 2020 as a result of the FRB lowering the FFTR 150 bps in March 2020 to a range of 0-0.25%, where it remained for the final three quarters of 2020 and the entirety of 2021.

Total average interest bearing liabilities increased \$773 million, or 30%, to \$3.39 billion for the year ended December 31, 2021 compared with the same period in 2020, with the total average cost declining 28 bps to 0.18%.

- Average interest bearing deposits increased \$795 million, or 32%, for the year ended December 31, 2021 compared to the same period in 2020, with interest-bearing demand deposits accounting for \$500 million of the increase. Interest bearing deposits added as a result of the KB acquisition along with significant federal stimulus action, such as PPP funding, propelled deposit balances to record levels at December 31, 2021. Further, general economic uncertainty surrounding the on-going pandemic has resulted in the customer base maintaining higher levels of liquidity, similar to customer behavior seen during the Great Recession.
- Consistent with the higher interest bearing deposit balances noted above, as well as the KB acquisition, average SSUAR balances increased \$22 million, or 55%, for the year ended December 31, 2021 compared to the same period of 2020.
- Average FHLB advances decreased \$45 million, or 73%, for the year ended December 31, 2021 compared to the same period of 2020, as advances continued to mature without renewal or replacement over the past year, including \$30 million of three month advances relating to cash flow hedge interest rate swaps. In addition, Bancorp elected to pay down certain advances prior to their maturity during the first and second quarters of 2021, the latter of which resulted in an early-termination fee of \$474,000, recorded as a component non-interest expense during the second quarter of 2021. Bancorp made this decision due to its excess liquidity driven by the substantial deposit growth it achieved over the past year, combined with the near-term outlook for low interest rates at the time of pay off. As of December 31, 2021, Bancorp had no outstanding FHLB advances.

Total interest expense decreased \$5.9 million, or 50%, for the year ended December 31, 2021 compared to the same period of 2020, a direct result of deposit rate reductions implemented in response to the falling interest rate environment and to a lesser extent, the reduction in interest expense on FHLB advances.

- Total interest bearing deposit expense decreased \$4.9 million, or 46%, driving a 25 bps decline in the cost of average total interest bearing deposits.
- Interest expense on FHLB advances declined \$1.1 million, or 76%, as a result of the substantial reduction in average FHLB advances outstanding. As noted above, Bancorp had no outstanding FHLB advances as of December 31, 2021.

Discussion of 2020 vs 2019:

Net interest spread and NIM were 3.22% and 3.39% for the year ended December 31, 2020 compared to 3.50% and 3.82% for the year ended December 31, 2019. NIM was significantly impacted in 2020 by the following:

- The FFTR was lowered 225 bps between July 2019 and mid-March 2020, resulting in Prime dropping to 3.25%. Average Prime declined significantly to 3.53% for 2020 compared to 5.29% for 2019.
- Treasury yields were near historic lows for several months in 2020, eroding NIM and loan yields.
- PPP loan originations, which boosted net interest income, had a negative impact on NIM and loan yields.
- The strategic lowering of stated deposit interest rates and CD offering rates over the past twelve months in tandem with FRB interest rate actions.
- Strong average non-PPP loan growth.
- Excess balance sheet liquidity and elevated deposit balances.

Bancorp originated approximately 3,400 PPP loans, equating to \$637 million (net of origination fees and costs) during 2020. Bancorp recognized \$9.1 million in net origination fee income associated with the PPP portfolio in 2020. While this had a positive impact on interest and fee income, as well as net interest income, the 1% stated yield on the PPP portfolio negatively impacted the overall loan portfolio yield by 17 bps and NIM by 3 bps for the year ended December 31, 2020.

Average FFS and interest bearing due from bank balances increased significantly for the year ended December 31, 2020 compared with the same period in 2019. Excess liquidity contributed to approximately 15 bps of NIM compression for the year ended December 31, 2020 compared to 9 bps for the year ended December 31, 2019.

Net interest income (FTE) increased \$10.6 million, or 8%, for the year ended December 31, 2020 compared to the same period of 2019, primarily attributed to the lowering of stated deposit rates in response to the changing interest rate environment and the additional fee income associated with the PPP portfolio in 2020.

Total average interest earning assets increased \$729 million, or 22%, to \$4.02 billion for the year ended December 31, 2020, with the average rate earned on total interest earning assets contracting 82 bps to 3.68%.

- Average loans increased \$602 million, or 22%, for the year ended December 31, 2020 compared to the same period of 2019 with \$443 million of the average growth attributed to the PPP portfolio. In addition to the 2019 KSB acquisition, Bancorp experienced strong organic growth across all three markets in 2020, which led to a \$160 million increase in average non-PPP loan portfolio balances.
- Average FFS and interest bearing due from bank balances increased \$93 million for the year ended December 31, 2020 as compared with the same period of 2019, consistent with the elevated level of deposits.

Total interest income (FTE) was flat, down \$32,000 to \$148.1 million for the year ended December 31, 2020, as compared with the same period of 2019 despite the drastic decline in the interest rate environment.

- Interest and fee income on loans (FTE) increased approximately \$3.3 million, or 2%, to \$137.9 million, attributed to the PPP portfolio. Significant interest rate contraction in 2020 led to a \$10.4 million decline in interest income on the non-PPP loan portfolio.
- With the exception of mortgage loans held for sale, interest income on the remaining interest earning asset portfolio was negatively impacted by the changes in the interest rate environment in addition to substantial average balance growth.

Total average interest bearing liabilities increased \$353 million, or 16%, to \$2.62 billion for the year ended December 31, 2020, as compared with the same period of 2019, with the average cost decreasing 54 bps to 0.46%.

- Average interest bearing deposits increased \$364 million, or 17%, for the year ended December 31, 2020 compared to the same period of 2019, with interest-bearing demand deposits representing \$257 million of the increase.
- Average FHLB advances declined \$9 million, or 13%, for the year ended December 31, 2020 compared to the same period of 2019, as matured advances were not replaced or renewed in 2020.

Total interest expense decreased \$10.6 million, or 47%, for the year ended December 31, 2020, compared to the same period of 2019, a direct result of stated deposit rate reductions implemented in response to the changing interest rate environment.

- Total interest bearing deposit expense decreased \$10.1 million, or 49%, driving a 54 bps decrease in the cost of average total interest bearing liabilities to 0.42% as deposit rates were cut in tandem with FRB interest rate actions.
- FHLB advance expense decreased \$240,000 or 15%, as matured advances were not replaced or renewed in 2020, resulting in lower interest expense.

Average Balance Sheets and Interest Rates (FTE)

Years ended December 31, (dollars in thousands)	2021			2020			2019		
	Average Balance	Interest	Average Rate	Average Balance	Interest	Average Rate	Average Balance	Interest	Average Rate
Interest earning assets:									
Federal funds sold and interest bearing due from banks	\$ 446,783	\$ 645	0.14%	\$ 229,905	\$ 738	0.32%	\$ 136,514	\$ 2,933	2.15%
Mortgage loans held for sale	11,170	249	2.23	20,156	533	2.64	3,836	182	4.74
Available for sale debt securities:									
Taxable	879,298	11,575	1.32	443,035	8,432	1.90	413,801	9,291	2.25
Tax-exempt	19,636	340	1.73	10,047	265	2.64	22,710	570	2.51
Total securities	898,934	11,915	1.33	453,082	8,697	1.92	436,511	9,861	2.26
Federal Home Loan Bank stock	10,824	262	2.42	11,284	253	2.24	10,858	548	5.05
SBA Paycheck Protection Program (PPP) loans	397,282	22,044	5.55	442,510	13,636	3.08	—	—	—
Non-PPP loans	3,553,975	142,395	4.01	2,862,399	124,226	4.34	2,702,626	134,591	4.98
Total loans	3,951,257	164,439	4.16	3,304,909	137,862	4.17	2,702,626	134,591	4.98
Total interest earning assets	5,318,968	177,510	3.34	4,019,336	148,083	3.68	3,290,345	148,115	4.50
Less allowance for credit losses on loans	57,696			45,008			27,057		
Non-interest earning assets:									
Cash and due from banks	63,477			46,277			44,884		
Premises and equipment, net	69,483			57,474			63,197		
Bank owned life insurance	44,720			32,899			32,631		
Accrued interest receivable and other	187,934			106,615			76,998		
Total assets	\$ 5,626,886			\$ 4,217,593			\$ 3,480,998		
Interest bearing liabilities:									
Deposits:									
Interest bearing demand	\$ 1,633,606	\$ 1,771	0.11%	\$ 1,133,308	\$ 1,776	0.16%	\$ 875,897	\$ 4,951	0.57%
Savings	328,570	93	0.03	190,368	36	0.02	166,509	291	0.17
Money market	919,778	589	0.06	771,363	1,482	0.19	695,411	7,105	1.02
Time	420,308	3,174	0.76	412,506	7,184	1.74	406,176	8,213	2.02
Total interest bearing deposits	3,302,262	5,627	0.17	2,507,545	10,478	0.42	2,143,993	20,560	0.96
Securities sold under agreements to repurchase	62,534	24	0.04	40,363	37	0.09	38,555	101	0.26
Federal funds purchased	10,596	14	0.13	9,457	35	0.37	11,182	217	1.94
Federal Home Loan Bank advances	16,317	337	2.07	61,483	1,400	2.28	70,755	1,640	2.32
Subordinated debt	—	—	—	—	—	—	922	26	2.82
Total interest bearing liabilities	3,391,709	6,002	0.18	2,618,848	11,950	0.46	2,265,407	22,544	1.00
Non-interest bearing liabilities:									
Non-interest bearing demand deposits	1,578,795			1,100,942			765,103		
Accrued interest payable and other	83,121			77,684			63,925		
Total liabilities	5,053,625			3,797,474			3,094,435		
Stockholders' equity	573,261			420,119			386,563		
Total liabilities and stockholder's equity	\$ 5,626,886			\$ 4,217,593			\$ 3,480,998		
Net interest income		\$ 171,508			\$ 136,133			\$ 125,571	
Net interest spread			3.16%			3.22%			3.50%
Net interest margin			3.22%			3.39%			3.82%

Supplemental Information - Total Company Average Balance Sheets and Interest Rates (FTE)

- *Average loan balances include the principal balance of non-accrual loans, as well as unearned income such as loan premiums, discounts, fees/costs and exclude participation loans accounted for as secured borrowings. Participation loans averaged \$5 million, \$8 million and \$9 million for the years ended December 31, 2021, 2020 and 2019, respectively.*
- *Interest income on a FTE basis includes additional amounts of interest income that would have been earned if investments in certain tax-exempt interest earning assets had been made in assets subject to federal taxes yielding the same after-tax income. Interest income on municipal securities and tax-exempt loans has been calculated on a FTE basis using a federal income tax rate of 21%. Approximate tax equivalent adjustments to interest income were \$434,000, \$212,000 and \$224,000 for the years ended December 31, 2021, 2020 and 2019, respectively.*
- *Interest income includes loan fees of \$20.5 million (\$18.1 million associated with the PPP), \$10.6 million (\$9.1 million associated with the PPP) and \$2.2 million for the years ended December 31, 2021, 2020 and 2019, respectively. Interest income on loans may be impacted by the level of prepayment fees collected and accretion related to loans purchased.*
- *Net interest income, the most significant component of Bancorp's earnings, represents total interest income less total interest expense. The level of net interest income is determined by mix and volume of interest earning assets, interest bearing deposits and borrowed funds, and changes in interest rates.*
- *NIM represents net interest income on a FTE basis as a percentage of average interest earning assets.*
- *Net interest spread (FTE) is the difference between taxable equivalent rates earned on interest earning assets less the cost of interest bearing liabilities.*
- *The fair market value adjustment on investment securities resulting from ASC 320, Investments – Debt and Equity Securities is included as a component of other assets.*

The following table illustrates the extent to which changes in interest rates and changes in the volume of interest-earning assets and interest-bearing liabilities impacted Bancorp's interest income and interest expense during the periods indicated. Information is provided in each category with respect to (i) changes attributable to changes in volume (changes in volume multiplied by prior rate), (ii) changes attributable to changes in rate (changes in rate multiplied by prior volume) and (iii) net change. The changes attributable to the combined impact of volume and rate have been allocated proportionately to the changes due to volume and the changes due to rate. Tax-equivalent adjustments are based on a federal income tax rate of 21%. The change in interest due to both rate and volume has been allocated to the change due to rate and the change due to volume in proportion to the relationship of the absolute dollar amounts of the change in each.

Rate/Volume Analysis (FTE)

	Year ended December 31, 2021			Year ended December 31, 2020		
	Compared to			Compared to		
	Year ended December 31, 2020			Year ended December 31, 2019		
	Total Net	Increase (Decrease) Due to		Total Net	Increase (Decrease) Due to	
(in thousands)	Change	Rate	Volume	Change	Rate	Volume
Interest income:						
Federal funds sold and interest bearing due from banks	\$ (93)	\$ (547)	\$ 454	\$ (2,195)	\$ (3,441)	\$ 1,246
Mortgage loans held for sale	(284)	(74)	(210)	351	(113)	464
Securities available for sale:						
Taxable	3,143	(3,210)	6,353	(859)	(1,484)	625
Tax-exempt	75	(114)	189	(305)	28	(333)
Federal Home Loan Bank stock	9	20	(11)	(295)	(316)	21
SBA Paycheck Protection Program (PPP) loans	8,408	9,928	(1,520)	13,636	—	13,636
Non-PPP Loans	18,169	(10,096)	28,265	(10,365)	(18,000)	7,635
Total interest income	29,427	(4,093)	33,520	(32)	(23,326)	23,294
Interest expense:						
Deposits:						
Interest bearing demand	(5)	(647)	642	(3,175)	(4,326)	1,151
Savings	57	23	34	(255)	(292)	37
Money market	(893)	(1,136)	243	(5,623)	(6,324)	701
Time	(4,010)	(4,143)	133	(1,029)	(1,155)	126
Total interest bearing deposits	(4,851)	(5,903)	1,052	(10,082)	(12,097)	2,015
Securities sold under agreements to repurchase	(13)	(28)	15	(64)	(69)	5
Federal funds purchased	(21)	(25)	4	(182)	(153)	(29)
Federal Home Loan Bank advances	(1,063)	(119)	(944)	(240)	(28)	(212)
Subordinated debt	—	—	—	(26)	—	(26)
Total interest expense	(5,948)	(6,075)	127	(10,594)	(12,347)	1,753
Net interest income	\$ 35,375	\$ 1,982	\$ 33,393	\$ 10,562	\$ (10,979)	\$ 21,541

Asset/Liability Management and Interest Rate Risk

Managing interest rate risk is fundamental for the financial services industry. The primary objective of interest rate risk management is to neutralize effects of interest rate changes on net income. By considering both on and off-balance sheet financial instruments, management evaluates interest rate sensitivity with the goal of optimizing net interest income within the constraints of prudent capital adequacy, liquidity needs, market opportunities and customer requirements.

Interest Rate Simulation Sensitivity Analysis

Bancorp uses an earnings simulation model to estimate and evaluate the impact of an immediate change in interest rates on earnings in a one-year forecast. The simulation model is designed to reflect dynamics of interest earning assets and interest bearing liabilities. By estimating effects of interest rate fluctuations, the model can approximate interest rate risk exposure. This simulation model is used by management to gauge approximate results given a specific change in interest rates at a given point in time. The model is therefore a tool to indicate earnings trends in given interest rate scenarios and may not indicate actual or expected results.

Bancorp's interest rate simulation sensitivity analysis details that increases in interest rates of 100 and 200 bps would have a negative effect on net interest income, respectively. These results are attributed to over half of the variable rate loan portfolio being currently at or near floor rates, as these yields will not increase until short-term rates exceed these floor rates. For example, a significant portion of the variable rate loan portfolio is tied to Prime, with floor rates of 4.00%. Given Prime is at 3.25% as of December 31, 2021, short-term rates would have to increase over 75 bps for these loans to move above their floor rates.

The decrease in net interest income in the rising rate scenarios is primarily due to variable rate loans and short-term investments repricing slower than deposits and short-term borrowings. Asset balances subject to immediate repricing cause an estimated decline in net interest income in the down 100 bps scenario, as rates on non-maturity deposits cannot be lowered sufficiently to offset declining interest income. These estimates of the summarized below.

	Change in Rates			
	-200 Basis Points	-100 Basis Points	+100 Basis Points	+200 Basis Points
% Change from base net interest income at December 31, 2021	NA	-2.18%	-2.84%	4.50%

Bancorp's interest rate risk profile is generally neutral. The results of the interest rate sensitivity analysis performed as of December 31, 2021 suggest a slightly liability sensitive profile as a result of the long-term, conservative assumptions Bancorp uses in the model, particularly in relation to deposit betas, which measure how responsive management's deposit repricing may be to changes in market rates. However, given the historic levels of liquidity currently held by Bancorp and in the banking system generally, the Company anticipates actual deposit betas will remain well below long-term averages through 2022 despite forecasted interest rate hikes from the FRB. In a scenario where deposit betas are well below long-term averages, Bancorp's interest rate risk profile shifts to a slightly asset sensitive position, but remains generally neutral.

Bancorp's loan portfolio is currently composed of approximately 70% fixed and 30% variable rate loans, with the fixed rate portion pricing (excluding PPP loans) generally based on a spread to the five-year treasury curve at the time of origination and the variable portion pricing based on an on-going spread to Prime (approximately 66%) or one month LIBOR (approximately 34%). Bancorp's loan portfolio (excluding PPP loans) at December 31, 2020 was composed of approximately 69% fixed and 31% variable rate loans.

In July 2017, the Financial Conduct Authority (the "FCA"), the authority regulating LIBOR, along with various other regulatory bodies, announced that LIBOR would likely be discontinued at the end of 2021. Subsequent to that announcement, in November 2020, the FCA announced that many tenors of LIBOR would continue to be published through June 2023. Subsequent to this, Bank regulators instructed banks to discontinue new originations referencing LIBOR as soon as possible, but no later than December 2021. Effective December 31, 2021, Libor will no longer be used to issue new loans in the U.S. It is expected to be replaced primarily by the Secured Overnight Financing Rate (SOFR), which many experts consider a more accurate and more secure pricing benchmark. To facilitate the transition process, management has instituted an enterprise-wide program to identify, assess, and monitor risks associated with the expected discontinuance or unavailability of LIBOR.

Management has focused on operational readiness, as well as instituting processes and systems to validate that contract risk is clearly identified and understood. New originations and any modifications or renewals of LIBOR-based contracts contained fallback language to assist in an orderly transition to an alternative reference rate. For Bank contracts that have a duration beyond December 31, 2021, and that reference LIBOR, all fallback provisions and variations are currently being identified and sorted into classifications based upon those provisions. Upon classification, the contracts are monitored and possibly remediated if fallback provisions are not deemed sufficiently robust. The Bank realizes that remediating certain contracts indexed to LIBOR may require consent from the counterparties, which could be difficult and costly to obtain in certain limited circumstances.

As of December 31, 2021, the Company had approximately \$425 million in loans and interest rate derivative contracts of \$123 million (notional amount) that reference LIBOR. Each of the LIBOR-referenced amounts discussed above will vary in future periods as current contracts expire with potential replacement contracts using either LIBOR or an alternative reference rate. The Company, and other industry participants, continue to review alternative reference rates that could be utilized as a replacement for LIBOR. The Company had 7 loans totaling \$24 million that were indexed to SOFR at December 31, 2021.

Periodically, Bancorp enters into interest rate swap transactions with borrowers who desire to hedge exposure to rising interest rates, while at the same time entering into an offsetting interest rate swap, with substantially matching terms, with another approved independent counterparty. These are undesignated derivative instruments and are recognized on the balance sheet at fair value, with changes in fair value recorded in other non-interest income as interest rates fluctuate. Because of matching terms of offsetting contracts, in addition to collateral provisions which mitigate the impact of non-performance risk, changes in fair value subsequent to initial recognition have a minimal effect on earnings, and are therefore not included in the simulation analysis results above. For additional information see the Footnote titled “*Assets and Liabilities Measured and Reported at Fair Value*.”

In addition, Bancorp periodically uses derivative financial instruments as part of its interest rate risk management, including interest rate swaps. These interest rate swaps are designated as cash flow hedges as described in the Footnote titled “*Derivative Financial Instruments*.” For these derivatives, the effective portion of gains or losses is reported as a component of OCI, and is subsequently reclassified into earnings as an adjustment to interest expense in periods in which the hedged forecasted transaction affects earnings. As of December 31, 2021, Bancorp had no outstanding interest rate swaps designated as cash flow hedges.

Provision for Credit Losses

Provision for credit losses for the years ended December 31, 2021 and 2020 represents the amount of expense that, based on Management's judgment, is required to maintain the ACL on loans at an appropriate level under the CECL model. Years prior to 2020 were historically calculated under the incurred loss model. The determination of the amount of the ACL on loans is complex and involves a high degree of judgment and subjectivity. See the footnote titled "Summary of Significant Accounting Policies" for detailed discussion regarding Bancorp's ACL on loans methodology by loan portfolio segment.

An analysis of the changes in the ACL on loans, including provision, and selected ratios follow:

Years ended December 31, (dollars in thousands)	2021	2020	2019
Beginning balance	\$ 51,920	\$ 26,791	\$ 25,534
KB acquisition - PCD loans (goodwill adjustment)	6,757	—	—
CECL - cumulative adjustment	—	9,856	—
Adjusted beginning balance	58,677	36,647	25,534
Provision for credit losses on loans	(6,000)	16,918	1,000
Provision for credit losses on loans - KB acquisition	7,397	—	—
Total provision for credit losses on loans	1,397	16,918	1,000
Total charge-offs	(7,681)	(2,101)	(684)
Total recoveries	1,505	456	941
Net loan (charge-offs) recoveries	(6,176)	(1,645)	257
Ending balance	\$ 53,898	\$ 51,920	\$ 26,791
Average total loans	\$ 3,951,257	\$ 3,304,909	\$ 2,702,626
Provision for credit losses on loans to average loans	0.04%	0.51%	0.04%
Net loan (charge-offs) recoveries to average loans	-0.16%	-0.05%	0.01%
ACL on loans to total loans	1.29%	1.47%	0.94%
ACL on loans to total loans (excluding PPP) (1)	1.34%	1.74%	—
ACL on loans to average loans	1.36%	1.57%	0.99%

(1) See the section titled "Non-GAAP Financial Measures" for reconciliation of non-GAAP to GAAP measures.

Discussion of 2021 vs 2020:

The ACL on loans totaled \$54 million as of December 31, 2021 compared to \$52 million at December 31, 2020, representing an ACL to total loans ratio of 1.29% and 1.47% for those periods, respectively. The ACL to total loans (excluding PPP loans) was 1.34% at December 31, 2021 compared to 1.74% at December 31, 2020, the decrease stemming from loan growth that was offset by forgiveness activity within the PPP portfolio and a lower ACL. Based on the 100% SBA guarantee of the PPP loan portfolio, which totaled \$141 million (net of unamortized deferred fees) at December 31, 2021 and \$550 million at December 31, 2020, Bancorp did not record a general reserve for potential losses for these loans within the ACL. See the section titled "Non-GAAP Financial Measures" for reconciliation of non-GAAP to GAAP measures.

Upon adoption of ASC 326 effective January 1, 2020, Bancorp recorded an increase of \$8.2 million to the ACL on loans and a corresponding decrease to retained earnings, net of the DTA impact. In addition, non-accretable yield marks of \$1.6 million related to formerly classified PCI loans were reclassified between the amortized cost basis of loans and corresponding ACL on loans, which were subsequently charged-off in the third quarter of 2020 with no resulting impact to provision expense. The adjustment upon adoption of ASC 326 raised the beginning balance of the ACL on loans to \$37 million on January 1, 2020. Additionally, with the adoption of CECL, provision expense may be more volatile due to changes in the CECL model assumptions of credit quality, macroeconomic factors and conditions, and loan composition.

Due to continued improvement in the unemployment forecast, updates to Bancorp's CECL modeling and strong historic credit metrics, a net benefit (excluding acquisition-related activity) of \$6.0 million was recorded for the year ended December 31, 2021. Offsetting this benefit was credit loss expense on loans associated with the non-PCD loan portfolio added as a result of the KB acquisition, which was recorded during the second quarter of 2021 and totaled \$7.4 million.

In total, provision for credit losses on loans decreased \$15.5 million for the year ended December 31, 2021 compared to the same period of 2020. The significantly higher expense recorded for the year ended December 31, 2020 was the result of adopting of CECL effective January 1, 2020 and the subsequent pandemic-related developments experienced shortly thereafter, particularly elevated unemployment forecasts.

In addition to the non-PCD provision activity previously discussed for the year ended December 31, 2021, the ACL on loans was also increased \$6.8 million as a result of the PCD loan portfolio added through the KB acquisition during the second quarter, with the corresponding offset recorded to goodwill. Partially offsetting this increase was net charge off activity of \$6.2 million for the year ended December 31, 2021, respectively, serving to reduce the ACL on loans. Net charge off activity for 2021 was driven by the charge off of two CRE relationships totaling \$4.4 million. These charged off amounts were fully reserved and had no income statement impact for the year ended December 31, 2021. In addition, there was a \$555,000 recovery of a note that was fully charged off in 2020.

While separate from the ACL on loans and recorded in other liabilities on the consolidated balance sheets, the ACL for off balance sheet credit exposures also experienced a decrease between December 31, 2020 and December 31, 2021. A net benefit of \$2.2 million was recorded for the year ended December 31, 2021, as nearly all applicable loan segments experienced declines in their reserve loss percentages consistent with generally improving model factors and improvement in line of credit utilization, most notably within the C&I portfolio. In addition, the ACL for off balance sheet credit exposures was increased \$250,000 as a result of available credit added through the KB acquisition during the second quarter, with the corresponding offset recorded to goodwill. The ACL for off balance sheet credit exposures stood at \$3.5 million as of December 31, 2021 compared to \$5.4 million as of December 31, 2020.

Bancorp's loan portfolio is diversified with no significant concentrations of credit. Geographically, most loans are extended to borrowers in Louisville, central, eastern and northern Kentucky, as well as the Indianapolis, Indiana and Cincinnati, Ohio metropolitan markets. The adequacy of the allowance is monitored on an ongoing basis and it is the opinion of management that the balance of the allowance at December 31, 2021 is adequate to absorb probable losses inherent in the loan portfolio as of the financial statement date.

Discussion of 2020 vs 2019:

Upon adoption of ASC 326 effective January 1, 2020, Bancorp recorded an increase of \$8.2 million to the ACL on loans and a corresponding decrease to retained earnings, net of the DTA impact. In addition, non-accretable yield marks of \$1.6 million related to formerly classified PCI loans were reclassified between the amortized cost basis of loans and corresponding ACL. The adjustment upon adoption of ASC 326 increased the ACL on loans balance to \$37 million effective of January 1, 2020.

The ACL on loans totaled \$52 million at December 31, 2020 compared to \$27 million at December 31, 2019, representing an ACL to total loans ratio of 1.47% and 0.94% for those periods, respectively. The ACL to total loans (excluding PPP loans) was 1.74% at December 31, 2020. Based on the 100% SBA guarantee of the PPP loan portfolio, which totaled \$550 million (net of unamortized deferred fees) at December 31, 2020, Bancorp did not record a general reserve for potential losses for this portfolio. See the section titled "*Non-GAAP Financial Measures*" for reconciliation of non-GAAP to GAAP measures.

Despite overall strong credit metrics, Bancorp recorded provision for credit losses \$16.9 million for the year ended December 31, 2020, as compared with \$1.0 million for the same period of 2019, the latter of which was determined under the incurred loan loss model. Credit loss provisioning for 2020 was significantly impacted by the economic crisis due to the pandemic, its corresponding impact on unemployment forecast adjustments within the CECL model, loan growth, specific reserve additions and qualitative factor adjustments. The forecasted change in the unemployment rate coupled with the qualitative factor adjustments resulted in approximately \$12.4 million of the total provision for credit loss expense recorded for the year ended December 31, 2020. In addition, Bancorp recorded \$2.8 million in provision for credit losses in 2020 related to net loan growth which was heavily concentrated in the fourth quarter. During the second quarter of 2020, a large CRE relationship was placed on non-accrual status and allocated a \$2 million specific reserve within the ACL on loans. An additional \$1 million specific reserve was added to this relationship during the fourth quarter.

During the third quarter of 2020, the Company recorded charge-offs totaling \$1.6 million related to loans that were acquired in the prior year acquisition and fully allocated for through purchase accounting adjustments at the time of acquisition. While these are reflected as charge-offs, there was no impact to the provision for credit losses, nor to the income statement, associated with these loans and charge-off activity for the year ended December 31, 2020 was otherwise minimal.

Non-Interest Income

(dollars in thousands) Years Ended December 31,	2021	2020	2019	Variance			
				2021 / 2020		2020 / 2019	
				\$	%	\$	%
Wealth management and trust services	\$ 27,613	\$ 23,406	\$ 22,643	\$ 4,207	18%	\$ 763	3%
Deposit service charges	5,852	4,161	5,193	1,691	41	(1,032)	(20)
Debit and credit card income	13,456	8,480	8,123	4,976	59	357	4
Treasury management fees	6,912	5,407	4,992	1,505	28	415	8
Mortgage banking income	4,724	6,155	2,934	(1,431)	(23)	3,221	110
Net investment products sales commissions and fees	2,553	1,775	1,498	778	44	277	18
Bank owned life insurance	914	693	1,031	221	32	(338)	(33)
Other	3,826	1,822	3,014	2,004	110	(1,192)	(40)
Total non-interest income	<u>\$ 65,850</u>	<u>\$ 51,899</u>	<u>\$ 49,428</u>	<u>\$ 13,951</u>	<u>27%</u>	<u>\$ 2,471</u>	<u>5%</u>

Discussion of 2021 vs 2020:

Total non-interest income increased \$14.0 million, or 27%, for the year ended December 31, 2021 compared to the same period of 2020. Non-interest income comprised 27.8% of total revenue, defined as net interest income and non-interest income, for the year ended December 31, 2021 compared to 27.6% for the same period of 2020, respectively. WM&T services comprised 41.9% of total non-interest income for the year ended December 31, 2021 compared to 45.1% for the same period of 2020, respectively. The KB acquisition accounted for a meaningful increase in total non-interest income for the year ended December 31, 2021, concentrated most notably in deposit service charges, debit and credit card income, and mortgage banking income.

WM&T Services:

The magnitude of WM&T revenue distinguishes Bancorp from other community banks of similar asset size. WM&T revenue increased \$4.2 million, or 18%, for the year ended December 31, 2021 as compared with the same period of 2020. Stock market appreciation, coupled with record net new business development and to a lesser extent, the KB acquisition, drove the substantial revenue increase for 2021.

Recurring fees earned for managing accounts are based on a percentage of market value of AUM and are typically assessed on a monthly basis. Recurring fees, which generally comprise the vast majority of WM&T revenue, increased \$4.4 million, or 20%, for the year ended December 31, 2021, as compared with the same period of 2020, as a result of significant stock market appreciation experienced in addition to both organic and acquisition-related growth in net new business.

A portion of WM&T revenue, most notably executor and certain employee benefit plan-related fees, are non-recurring in nature and the timing of these revenues typically correspond with the related administrative activities. For this reason, such fees are subject to greater period over period fluctuation. Total non-recurring fees decreased \$211,000, or 26%, for the year ended December 31, 2021, as compared with the same period of 2020. The decrease from prior year was driven mainly by a large estate fee recorded in the first quarter of 2020.

AUM, stated at market value, totaled \$4.80 billion at December 31, 2021 compared to \$3.85 billion at December 31, 2020. The large increase in AUM is attributed to significant stock market appreciation experienced in addition to record net new business growth and AUM of approximately \$250 million added through the KB acquisition.

Contracts between WM&T and their customers do not permit performance-based fees and accordingly, none of the WM&T revenue is performance based. Management believes the WM&T department will continue to factor significantly in Bancorp's financial results and provide strategic diversity to revenue streams.

Detail of WM&T Service Income by Account Type:

(in thousands)

Years Ended December 31,	2021	2020	2019
Investment advisory	\$ 12,003	\$ 9,747	\$ 9,072
Personal trust	7,569	7,027	7,164
Personal investment retirement	5,168	4,319	3,821
Company retirement	1,798	1,457	1,503
Foundation and endowment	797	589	559
Custody and safekeeping	146	129	130
Brokerage and insurance services	78	45	52
Other	54	93	342
Total WM&T services income	\$ 27,613	\$ 23,406	\$ 22,643

The preceding table demonstrates that WM&T fee revenue is concentrated within investment advisory and personal trust accounts. WM&T fees are predominantly based on AUM and tailored for individual/company accounts and/or relationships with fee structures customized based on account type and other factors with larger relationships paying a lower percentage of AUM in fees. For example, recurring AUM fee structures are in place for investment management, irrevocable and revocable trusts, revocable trusts, personal investment retirement accounts and accounts holding only fixed income securities. Company retirement plan services can consist of a one-time conversion fee with recurring AUM fees to follow. While there are also fee structures for estate settlements, income received is often non-recurring in nature. Fee structures are agreed upon at the time of account opening and any subsequent revisions are communicated in writing to the customer. WM&T fees earned are not performance-based nor are they based on investment strategy or transactions.

Assets Under Management by Account Type:

Total AUM (not included on balance sheet) increased from \$3.85 billion at December 31, 2020 to \$4.80 billion at December 31, 2021 as follows:

<i>(in thousands)</i>	December 31, 2021			December 31, 2020		
	Managed	Non-managed (1)	Total	Managed	Non-managed (1)	Total
Investment advisory	\$ 1,919,593	\$ 34,879	\$ 1,954,472	\$ 1,547,742	\$ 72,696	\$ 1,620,438
Personal trust	939,703	150,221	1,089,924	721,150	112,053	833,203
Personal investment retirement	620,312	3,478	623,790	506,005	3,241	509,246
Company retirement	35,234	599,129	634,363	40,006	481,222	521,228
Foundation and endowment	368,572	1,532	370,104	281,986	2,532	284,518
Subtotal	\$ 3,883,414	\$ 789,239	\$ 4,672,653	\$ 3,096,889	\$ 671,744	\$ 3,768,633
Custody and safekeeping	—	128,178	128,178	—	83,004	83,004
Total	\$ 3,883,414	\$ 917,417	\$ 4,800,831	\$ 3,096,889	\$ 754,748	\$ 3,851,637

(1) Non-managed assets represent those for which the WM&T department does not hold investment discretion.

As of December 31, 2021 and 2020, approximately 81% and 80%, respectively, of total AUM were actively managed. Company retirement plan accounts primarily consist of participant-directed assets. The amount of custody and safekeeping accounts are insignificant.

Managed Trust AUM by Class of Investment:

<i>(in thousands)</i>	December 31, 2021	December 31, 2020
Interest bearing deposits	\$ 173,603	\$ 168,344
Treasury and government agency obligations	39,736	31,719
State, county and municipal obligations	110,795	119,344
Money market mutual funds	7,299	58,493
Equity mutual funds	944,500	752,476
Other mutual funds - fixed, balanced and municipal	612,913	441,275
Other notes and bonds	171,087	165,828
Common and preferred stocks	1,681,006	1,238,973
Real estate mortgages	—	190
Real estate	58,344	51,682
Other miscellaneous assets (1)	84,131	68,565
Total managed assets	\$ 3,883,414	\$ 3,096,889

(1) Includes client directed instruments including rights, warrants, annuities, insurance policies, unit investment trusts, and oil and gas rights.

Managed assets are invested in instruments for which market values can be readily determined, the majority of which are sensitive to market fluctuations and consist of approximately 68% in equities and 32% in fixed income securities as of December 31, 2021 compared to 64% and 36% as of December 31, 2020. This composition has been relatively consistent from period to period and the WM&T Department holds no proprietary mutual funds.

Additional Sources of Non-interest income:

Deposit service charges, which consist of non-sufficient funds charges and to a lesser extent, other activity based charges, increased \$1.7 million, or 41%, for the year ended December 31, 2021, as compared with the prior year, as a result of a meaningful contribution from the KB acquisition and a recovery from the subdued pandemic-induced activity experienced in the prior year. Consistent with the industry, customer behavior and transaction volume in 2020 was significantly impacted by the pandemic and continued government efforts to minimize its impact on the economy, such as stimulus payments, PPP funding and more lucrative unemployment compensation, which led to greatly reduced overdraft activity. Bancorp anticipates that future growth of this revenue stream will be significantly impacted by changing industry practices, as many larger financial institutions have opted to greatly reduce, or completely eliminate, certain deposit service charges, particularly overdraft-related fees. Bancorp will be faced with strategic decisions surrounding deposit-related charges in the future, which may negatively impact the contributions made by this revenue stream to total non-interest income.

Debit and credit card income consists of interchange revenue, ancillary fees and incentives received from card processors. Debit and credit card revenue increased \$5.0 million, or 59%, for the year ended December 31, 2021, as compared with the same period of 2020, as a result of increased transaction volume and continued expansion of the customer bases, both organically and through acquisition-related activity. Total debit card income increased \$3.6 million, or 61%, and total credit card income increased \$1.4 million, or 54%, for the year ended December 31, 2021 compared the year ended December 31, 2020. Bancorp expects this revenue stream will continue to increase with expansion of the customer base and further development of the debit and credit card businesses.

Treasury management fees primarily consist of fees earned for cash management services provided to commercial customers. This category continues to stand out as a consistent, growing source of revenue for Bancorp and increased \$1.5 million, or 28%, for the year ended December 31, 2021 compared to the prior year, complemented by strong new product sales and customer base expansion. Demand for Bancorp's treasury products increased throughout the pandemic, as these products allow customers to operate more efficiently in a decentralized environment. In addition, sales efforts involving existing customers has led to increases in online services, reporting, ACH origination, remote deposit and fraud mitigation services during 2021. Bancorp anticipates this income category will continue to increase based on continued customer base growth and the expanding suite of services offered within Bancorp's treasury management platform.

Mortgage banking income primarily includes gains on sales of mortgage loans and loan servicing income offset by MSR amortization. Bancorp's mortgage banking department predominantly originates residential mortgage loans to be sold in the secondary market, primarily to FNMA and FHLMC. Interest rates on the mortgage loans sold are locked with the borrower and investor prior to loan closing, thus Bancorp bears no interest rate risk related to loans held for sale. Bancorp offers conventional, VA and FHA financing for purchases and refinances, as well as programs for first-time homebuyers. Interest rates on mortgage loans directly influence the volume of business transacted by the mortgage-banking department. Mortgage banking revenue decreased \$1.4 million, or 23%, for the year ended December 31, 2021, as compared with the prior year.

The sustained low long-term rate environment that began in 2020 incentivized refinancing and purchasing activity, which resulted in elevated mortgage banking income over the course of 2020 and the first part of 2021. However, as expected, volume started normalizing during 2021 as the pool of potential customers who have yet to refinance shrank, general housing inventory remained limited and interest rates began to rise above the absolute low levels experienced during 2020. Mortgage rates are generally correlated with the 10 year treasury rate, which has fluctuated widely in recent years, averaging 2.14% in 2019, plummeting to 0.89% in 2020 and sparking the increase in activity described above and subsequently rising to an average of 1.45% during 2021.

Beginning in the fourth quarter of 2020, the Bank elected to retain a select portion of qualified secondary market single family residential real estate loan production from the mortgage banking department on balance sheet in an effort to deploy a portion of excess liquidity in lieu of buying mortgage-backed securities within the AFS debt securities portfolio. Approximately \$72 million and \$31 million in 15/30 year fixed rate loans were retained for the years ended December 31, 2021 and 2020, respectively, as part of this strategy, forgoing gain on sale that would typically have been recognized in mortgage banking income for those years.

Net investment product sales commissions and fees are generated primarily on stock, bond and mutual fund sales, as well as wrap fees on brokerage accounts. Wrap fees represent charges for investment programs that bundle together a suite of services, such as brokerage, advisory, research and management and are based on a percentage of assets. Bancorp deploys its financial advisors primarily through its branch network via an arrangement with a third party broker-dealer, while larger managed accounts are serviced by Bancorp's WM&T Department. Net investment product sales commissions and fees increased \$778,000, or 44%, for the year ended December 31, 2021, as compared with the prior year due to the KB acquisition and increased trading activity.

BOLI assets represent the cash surrender value of life insurance policies on certain active and non-active employees who have provided consent for Bancorp to be the beneficiary for a portion of such policies. The related change in cash surrender value of policies and any death benefits received under the policies are recorded as non-interest income. This income serves to offset the cost of various employee benefits. BOLI income increased \$221,000, or 32%, for the year ended December 31, 2021 compared to the prior year attributed almost entirely to the contribution of the KB acquisition.

Other non-interest income increased \$2.0 million for the year ended December 31, 2021 as compared with the prior year. The increase was driven by a plethora of activity, most notably a death benefit of \$523,000 on an insurance policy outside of traditional BOLI, stronger market returns on such insurance policies, the addition of the Captive and gains on OREO sold.

Discussion of 2020 vs 2019:

Total non-interest income increased \$2.5 million, or 5%, for the year ended December 31, 2020 compared to the same period in 2019. Non-interest income comprised 28% of total revenue for both the year ended December 31, 2020 and 2019. WM&T services comprised 45% of Bancorp's total non-interest income for the year ended December 31, 2020 compared to 46% for the same period in 2019.

WM&T revenue increased \$763,000, or 3%, to \$23.4 million for the year ended December 31, 2020, as compared with the same period of 2019. While stock market volatility associated with the COVID-19 pandemic had a significant impact on the WM&T department, particularly in the second quarter of 2020, strong market performance in the latter half of the year, record new business growth and a large non-recurring estate fee from the first quarter of 2020 led to WM&T income of \$23.4 million.

Deposit service charges decreased \$1.0 million, or 20%, for the year ended December 31, 2020, as compared with the same period in 2019. The steady decline in the volume of fees earned on overdrawn checking accounts experienced over the years prior to 2019 was significantly exacerbated by the pandemic with declines in transaction volume and paper check presentments beginning in April 2020. Stimulus checks, extensions of tax payment due dates, more lucrative unemployment compensation, diminished pandemic spend and PPP funding all impacted consumer behavior in 2020.

Debit and credit card revenue increased \$357,000 or 4%, for the year ended December 31, 2020, as compared with the same period in 2019 despite pandemic-related hurdles, as a result of growth in the customer bases. Total debit card income increased \$85,000, or 1%, while total credit card income increased \$272,000, or 11%. Similar to deposit service charges above, Bancorp saw significant improvement in transaction volume in the latter half of 2020 as statewide activity restrictions due to the pandemic in Bancorp's markets implemented earlier in year were eased and/or lifted.

Treasury management fees increased \$415,000, or 8%, for the year ended December 31, 2020 compared to 2019, as Bancorp's was able to overcome the significant decline in pandemic related transaction volume with new product sales and expansion of its customer base (partially attributable to the PPP). The demand for Bancorp's treasury products increased during the pandemic, as these products allowed customers to operate more efficiently in a decentralized environment.

Mortgage banking revenue increased \$3.2 million, or 110%, for the year ended December 31, 2020 as compared with the same period of 2019, as sustained low long-term rates incentivized refinancing activity and resulted in record mortgage banking income. In September 2020, the Bank elected to start retaining a portion of qualified secondary market single family residential real estate loan production from the mortgage banking department on balance sheet in an effort to deploy excess liquidity. Approximately \$31 million in 15/30 year fixed rate loans were retained through December 31, 2020, forgoing approximately \$845,000 in gain on sales of loans that would typically have been recognized in mortgage banking income.

Net investment product sales commissions and fees increased \$277,000, or 18%, for the year December 31, 2020, as compared with the same period of 2019, as market volatility during 2020 led to increased customer trading activity.

Primarily as a result of a \$296,000 death benefit received in the third quarter of 2019, BOLI income decreased \$338,000, for the year ended December 31, 2020 compared to the prior year.

Other non-interest income decreased \$1.2 million, or 40%, for the year ended December 31, 2020 as compared with the same period of 2019. This decrease was driven by a plethora of non-recurring activity that occurred in 2019 including swap fee income of \$374,000, a \$212,000 gain on the sale of VISA Class B stock originally acquired in a 2013 acquisition, proceeds of \$142,000 associated with life insurance policies outside of the traditional BOLI program and a \$126,000 banking center relocation incentive.

Non-interest expenses

Years Ended December 31, (dollars in thousands)	Variance						
				2021 / 2020		2020 / 2019	
	2021	2020	2019	\$	%	\$	%
Compensation	\$ 63,034	\$ 51,368	\$ 49,882	\$ 11,666	23%	\$ 1,486	3%
Employee benefits	13,479	11,064	10,691	2,415	22	373	3
Net occupancy and equipment	9,688	8,182	8,159	1,506	18	23	—
Technology and communication	11,145	8,732	7,318	2,413	28	1,414	19
Debit and credit card processing	4,494	2,606	2,493	1,888	72	113	5
Marketing and business development	4,150	2,383	3,627	1,767	74	(1,244)	(34)
Postage, printing and supplies	2,213	1,778	1,652	435	24	126	8
Legal and professional	2,583	2,392	2,138	191	8	254	12
FDIC insurance	1,847	1,217	245	630	52	972	397
Amortization of investments in tax credit partnerships	367	3,096	1,078	(2,729)	(88)	2,018	187
Capital and deposit based taxes	2,090	4,386	3,870	(2,296)	(52)	516	13
Merger expenses	19,025	—	1,313	19,025	100	(1,313)	(100)
Federal Home Loan Bank early termination penalty	474	—	—	474	100	—	—
Other	7,691	4,455	5,650	3,236	73	(1,195)	(21)
Total non-interest expenses	\$ 142,280	\$ 101,659	\$ 98,116	\$ 40,621	40%	\$ 3,543	4%

Discussion of 2021 vs 2020:

Total non-interest expenses increased \$40.6 million, or 40%, for the year ended December 31, 2021 compared to the prior year. Compensation and employee benefits comprised 54% of total non-interest expenses for the year ended December 31, 2021, compared to 61% for the year ended December 31, 2020. Excluding merger expenses, compensation and employee benefits comprised 62% of total non-interest expenses for the year ended December 31, 2021.

Compensation, which includes salaries, incentives, bonuses and stock based compensation, increased \$11.7 million, or 23%, for the year ended December 31, 2021 compared to the prior year. The increases were attributed to growth in full time equivalent employees, annual merit-based salary increases and higher incentive compensation expense. Net full time equivalent employees totaled 820 at December 31, 2021 compared to 641 at December 31, 2020. The large increase compared to prior periods was attributed to the addition of 184 FTEs as a result of expansion into the Central Kentucky market (through the acquisition of KB).

Employee benefits consists of all personnel-related expense not included in compensation, with the most significant items being health insurance, payroll taxes and employee retirement plan contributions. Employee benefits increased \$2.4 million, or 22%, for the year ended December 31, 2021 compared to the prior year, consistent with the overall increase in full time equivalent employees noted above.

Net occupancy and equipment expenses primarily include depreciation, rent, property taxes, utilities and maintenance. Costs of capital asset additions flow through the statement of income over the lives of the assets in the form of depreciation expense. Net occupancy increased \$1.5 million, or 18%, for the year ended December 31, 2021 compared to the prior year. The KB acquisition resulted in the addition of 19 locations and was the primary driver of the increase over the prior year.

Technology and communication expenses include computer software amortization, equipment depreciation and expenditures related to investments in technology needed to maintain and improve the quality of customer delivery channels, information security and internal resources. Technology expense increased \$2.4 million, or 28%, for the year ended December 31, 2021 compared to the prior year, attributed mainly to the acquisition, as the core system conversion did not occur until late August.

Bancorp outsources processing for debit and commercial credit card operations, which generate significant revenue for the Company. These expenses fluctuate consistent with transaction volumes. Debit and credit card processing expense increased \$1.9 million, or 72%, for the year ended December 31, 2021, correlating in part with the increase in transaction volume and customer base expansion resulting from both organic and acquisition-related growth that served to increase debit and credit card non-interest income.

Marketing and business development expenses include all costs associated with promoting Bancorp including community support, retaining customers and acquiring new business. Marketing and business development expenses increased \$1.8 million, or 74%, for the year ended December 31, 2021 compared to the prior year. Consistent with the Company's strategic plan, a significant investment was made to advertise and promote the Bank in the Central Kentucky market post-acquisition close. The Company also increased its contribution to the Bank's foundation established to support various community initiatives, due to strong 2021 operational results. Further, pandemic-related restrictions during 2020 significantly muted travel and entertainment spending, resulting in lower expense last year.

Postage, printing and supplies expense increased \$435,000, or 24%, for the year ended December 31, 2021 compared to the prior year, the increase being attributed almost entirely to the KB acquisition and increased customer communication.

Legal and professional fees increased \$191,000, or 8%, for the year ended December 31, 2021 compared to the prior year. The increase over prior year was driven largely by increased collection activity in 2021.

FDIC insurance increased \$630,000, or 52%, for the year ended December 31, 2021 compared to the prior year. The increase was related to the acquisition and PPP-driven larger balance sheet in addition to the first quarter of 2020 benefitting from the last portion of small institution credits first issued by the FDIC in 2019.

Tax credit partnerships generate federal income tax credits, and for each of Bancorp's investments in tax credit partnerships, the tax benefit, net of related expenses, results in a positive effect upon net income. Amounts of credits and corresponding expenses can vary widely depending upon the timing and magnitude of the underlying investments. Amortization expense associated with these investments decreased \$2.7 million for the year ended December 31, 2021 compared to the prior year due to a large tax credit deal completed in the fourth quarter of 2020.

Capital and deposit based taxes decreased \$2.3 million, or 52%, for the year ended December 31, 2021, consistent with the state of Kentucky transitioning financial institutions from a capital-based franchise tax to the Kentucky corporate income tax effective January 1, 2021.

Merger expenses represent non-recurring expenses associated with completion of the KB acquisition and consist primarily of investment banker fees, legal fees, various compensation-related expenses, early termination fees relating to various contracts and system conversion expenses. Merger expenses totaling \$525,000 were recorded for the year ended December 31, 2021 related to the pending Commonwealth acquisition.

An early termination fee of \$474,000 was incurred during the second quarter of 2021 in relation to the pre-payment of FHLB advances totaling \$14 million prior to their respective contractual maturities. Bancorp chose to payoff these term advances, with a weighted average cost of 2.03%, due to its excess liquidity driven by the substantial deposit growth it achieved over the past year, combined with the near-term outlook for low interest rates at the time of pay off. Bancorp had no FHLB advances outstanding as of December 31, 2021.

Other non-interest expenses increased \$3.2 million, or 73%, for the year ended December 31, 2021. These increases were driven by a number of factors, including \$1.1 million of expense attributed to the KB acquisition, including amortization of the CDI related to KB's deposit portfolio, expenses associated with the addition of the Captive and other miscellaneous expenses, such as debit and credit card rewards and card losses. Further, large credits to expense were recorded in the prior year associated with a gain on a bank-owned property sold and the reversal of an accrual related to a potential IRS penalty that was dismissed.

Bancorp's efficiency ratio (FTE) for 2021 of 59.94% increased from 54.06% in 2020 due to the one-time merger-related expenses. Excluding these non-recurring expenses and amortization of investments in tax credit partnerships, the adjusted efficiency ratio, a non-GAAP measure, would have been 51.77% and 52.42% for 2021 and 2020. See the section titled "*Non-GAAP Financial Measures*" for reconciliation of non-GAAP to GAAP measures.

Discussion of 2020 vs 2019:

Total non-interest expenses increased \$3.5 million, or 4%, in 2020 compared to 2019. Compensation and employee benefits comprised 61% and 62% of Bancorp's total non-interest expenses for 2020 and 2019, respectively.

Compensation increased \$1.5 million, or 3%, for 2020 compared to 2019. The increase was attributed to annual merit-based salary increases, higher incentive-related compensation and an increase in full time equivalent employees, which grew from 591 at the beginning of 2019 to 641 at December 31, 2020 boosted by the 2019 KSB acquisition and the addition of sales professionals.

Employee benefits increased \$373,000, or 3%, in 2020 compared with 2019 attributed to growth in FTEs.

Net occupancy increased \$23,000 for 2020 compared with 2019. Three new locations were added in the second quarter of 2019 as part of the KSB acquisition and an additional branch location was added in the Louisville market during the third quarter of 2019. In 2020, Bancorp opened an additional branch in the Cincinnati MSA, as well as another location in Louisville. As of December 31, 2020, Bancorp had 44 full service banking center locations.

Technology expense increased \$1.4 million, or 19%, in 2020 compared to 2019 consistent with expanding customer-facing software and system functionality, as well as increased licensing/maintenance expense, higher mortgage loan processing expenses, treasury management customer expansion and the migration to a hosted core environment during the third quarter of 2020.

Debit and credit card processing expense increased \$113,000, or 5%, for 2020 as compared with 2019, consistent with the correlated increase experienced for debit and credit card income.

Marketing and business development expenses decreased \$1.2 million, or 34%, for the year ended December 31, 2020, as compared to the same period of 2019. The onset of the pandemic resulted in less physical customer interaction in addition to lower advertising expense. Bancorp committed to pay \$116,000 to the Bank's foundation, established to support various community initiatives, as of December 31, 2020 compared to \$600,000 as of December 31, 2019.

Postage, printing and supply expenses increased \$126,000, or 8%, in 2020 compared to 2019, as a result of banking center/customer expansion coupled with replacing transaction-based forms throughout the Bank in relation to the migration to a hosted core environment, which occurred in the third quarter of 2020.

Legal and professional fees increased \$254,000, or 12%, for 2020 compared to 2019, as a result of various consulting engagements and litigation costs arising through the normal course of business.

FDIC insurance increased \$972,000 for the year ended December 31, 2020, as compared to the same period of 2019. As a result of the national FDIC Reserve Ratio reaching 1.38% in 2019, the FDIC released credits to small institutions in the prior year. For this reason, Bancorp recorded no FDIC insurance expense for the third and fourth quarters of 2019, and incurred only a portion of the assessed expense in the first quarter of 2020, as these credits were depleted. FDIC insurance expense normalized in the second quarter of 2020 and ultimately increased in the third and fourth quarters as a result of a higher leverage ratio attributed to a PPP-driven larger balance sheet.

Amortization of investments in tax credit partnership increased \$2.0 million from 2020 to 2019 as a result of a large tax credit deal completed in the fourth quarter of 2020.

Capital and deposit based taxes increased \$516,000, or 13%, in 2020 compared to 2019 consistent with overall balance sheet growth.

Merger expenses recorded for the year ended December 31, 2019 represent non-recurring expenses associated with completion of the KSB acquisition and consisted primarily of consulting fees, legal fees, various compensation-related expenses and system conversion expenses. No such expense was recorded for the year ended December 31, 2020.

Other non-interest expenses decreased \$1.2 million, or 21%, for 2020 compared to 2019 driven by the sale of a bank-owned property recorded as an off-set to non-interest expense in the second quarter of 2020 along with elevated 2019 expense that included the write off of assets totaling \$347,000 in connection with signing the contract to migrate to the hosted core processing solution and elevated fraud and robbery-related losses.

Bancorp's efficiency ratio (FTE) of 54.06% for 2020 improved from 56.07% in 2019. Excluding amortization of investments in tax credit partnerships and non-recurring merger related expenses, the adjusted efficiency ratio, a non-GAAP measure, would have been 52.42% and 54.70% for 2020 and 2019. See the section titled "Non-GAAP Financial Measures" for reconciliation of non-GAAP to GAAP measures.

Income Taxes

A comparison of income tax expense and ETR follows:

Years Ended December 31, (dollars in thousands)	2021	2020	2019
Income before income tax expense	\$ 95,397	\$ 67,743	\$ 75,660
Income tax expense	20,752	8,874	9,593
Effective tax rate	21.75%	13.10%	12.68%

Discussion of 2021 vs 2020:

Fluctuations in the ETR are primarily attributed to the following:

- Bancorp invests in certain partnerships that yield federal income tax credits. Taken as a whole, the tax benefit of these investments exceeds amortization expense, resulting in a positive impact on net income. The timing and magnitude of these transactions may vary widely from period to period. The ETR for 2020 included the full year benefit of a large historic tax credit project that was completed in the fourth quarter of last year, serving to reduce the ETR by 5.5% for the year.
- The state of Kentucky passed legislation in 2019 that required financial institutions to transition from a capital based franchise tax to the Kentucky corporate income tax effective January 1, 2021 and allows entities filing a combined Kentucky income tax return to share certain tax attributes, including net operating loss carryforwards. These changes served to increase the ETR 3.5% for the year ended December 31, 2021.
- An insurance captive was acquired as a result of the KB acquisition. The Captive provides insurance against certain risks for which insurance may not currently be available or economically feasible to Bancorp and SYB, as well as a group of third-party insurance captives. The tax advantages of the Captive, including the tax-deductible nature of premiums paid to the Captive as well as the tax-exemption for premiums received by the Captive, serve to reduce income tax expense. For the year ended December 31, 2021, the addition of the Captive reduced the ETR 0.2%.
- The stock-based compensation component of the ETR fluctuates consistent with the level of SAR exercise activity. The ETR was reduced by 1.1% and 0.7% for the years ended December 31, 2021 and 2020, respectively.

The CARES Act includes several significant provisions for corporations including increasing the amount of deductible interest under section 163(j), allowing companies to carryback certain net operating losses, and increasing the amount of net operating loss that corporations can use to offset income. These changes did not have a significant impact on Bancorp's income taxes for the years ended December 31, 2021 and 2020.

Discussion of 2020 vs 2019:

Fluctuations in the ETR are primarily attributed to the following:

- The ETR for 2020 benefitted from the impact of a large historic tax credit project that was completed during the fourth quarter of 2020.
- In March 2019, the Kentucky Legislature passed HB354 requiring financial institutions to transition from a capital based franchise tax to the Kentucky corporate income tax beginning in 2021. Historically, the franchise tax, a component of non-interest expenses, was assessed at 1.1% of net capital and has averaged \$2.5 million annually over the prior two year-end periods. The Kentucky corporate income tax will be assessed at 5% of Kentucky taxable income and will be included as a component of current and deferred state income tax expense. Associated with this change, predominantly during the first quarter of 2019, Bancorp established a Kentucky state DTA related to existing temporary differences estimated to reverse after the effective date of the law change. Bancorp recorded a corresponding state tax benefit, net of federal tax impact of \$1.2 million, or approximately \$0.06 per diluted share for 2019.
- In April 2019, the Kentucky Legislature passed HB458 allowing entities filing a combined Kentucky income return to share certain tax attributed, including net operating loss carryforwards. The combined filing, beginning in 2021, will allow Bancorp's Holding Company net operating loss carryforwards to offset against net revenue generated by the Bank up to 50% of the Bank's Kentucky taxable income and reduce Bancorp's tax liability. Bancorp recorded a state tax benefit, net of federal tax impact of \$2.7 million, predominantly in the second quarter of 2019, or approximately \$0.12 per diluted share for 2019.

Financial Condition – December 31, 2021 Compared to December 31, 2020
Overview

Total assets increased \$2.04 billion, or 44%, to \$6.65 billion at December 31, 2021 from \$4.61 billion at December 31, 2020. Total assets of \$1.27 billion were added on May 31, 2021 as a result of the KB acquisition, including loans of \$755 million (including PPP) and total AFS debt securities of \$396 million. In addition, goodwill of \$123 million was recorded in relation to the transaction. Total loans (excluding loans added through the acquisition and the PPP portfolio) grew \$291 million, or 10%, between December 31, 2020 and December 31, 2021.

Total liabilities increased \$1.80 billion, or 43%, to \$5.97 billion at December 31, 2021 from \$4.17 billion at December 31, 2020. Total liabilities of \$1.16 billion were assumed on May 31, 2021 as a result of the KB acquisition, including total deposits of \$1.04 billion. Excluding deposits assumed through the acquisition, deposit balances ended at record levels as of December 31, 2021, growing \$760 million, or 19%, since December 31, 2020, as federal stimulus efforts have bolstered deposits and uncertainty surrounding the pandemic has resulted in Bancorp's customer base maintaining higher balances in general over the past year.

Cash and Cash Equivalents

Cash and cash equivalents increased \$643 million to \$961 million as of December 31, 2021. Bancorp maintained higher levels of liquidity in 2021 attributable to the PPP, record levels of deposits and acquisition-related growth.

AFS Debt Securities

AFS debt securities include securities that may be sold in response to changes in interest rates, resultant prepayment risk and other factors related to interest rate and prepayment risk changes and are carried at fair value with unrealized gains or losses, net of tax effect, included in stockholders' equity.

The primary purpose of the AFS debt securities portfolio is to provide another source of interest income, as well as a tool for liquidity management. In managing the composition of the balance sheet, Bancorp seeks a balance between earnings sources and credit and liquidity considerations.

All of Bancorp's debt securities are classified as AFS. Carrying value is summarized as follows:

December 31, (in thousands)	2021	2020	Variance	
			\$ Change	% Change
U.S. Treasury and other U.S. Government obligations	\$ 122,501	\$ —	\$ 122,501	100%
Government sponsored enterprise obligations	135,021	138,078	(3,057)	-2%
Mortgage-backed securities – government agencies	846,624	437,585	409,039	93%
Obligations of states and political subdivisions	75,075	11,315	63,760	563%
Other	1,077	—	1,077	100%
Total available for sale debt securities	<u>\$ 1,180,298</u>	<u>\$ 586,978</u>	<u>\$ 593,320</u>	101%

AFS debt securities increased \$593 million to \$1.18 billion at December 31, 2021 compared to \$587 million at December 31, 2020. AFS debt securities totaling \$396 million were added as a result of the KB acquisition, approximately \$91 million of which were sold shortly after acquisition. In addition, Bancorp continued to actively invest in the securities portfolio during 2021 in an effort to deploy a portion of excess liquidity, a strategy enacted in the latter half of 2020, by purchasing \$505 million of AFS debt securities for the year ended December 31, 2021. Partially offsetting growth associated with purchasing activity was scheduled amortization and elevated prepayment activity, largely within the MBS portfolio, as well as market depreciation stemming from an upward move in the interest rate environment experienced through most of 2021. As a result of the activity above, average AFS debt securities grew \$446 million, or 98%, over the past twelve months.

Maturity distribution and weighted average yields of the AFS debt securities portfolio follows:

December 31, 2021 (dollars in thousands)	Due within one year		Due after one but within five years		Due after five but within ten years		Due after ten years	
	Amount	Yield	Amount	Yield	Amount	Yield	Amount	Yield
U.S. Treasury and other U.S. Government obligations	4,011	0.06%	118,490	0.50%	\$ —	—%	\$ —	—%
Government sponsored enterprise obligations	972	1.68	12,007	0.52	13,817	1.47	108,225	2.04
MBS - government agencies	916	-0.17	20,995	1.07	67,263	1.59	757,450	1.29
Obligations of states and political subdivisions	415	3.88	9,044	1.38	13,866	1.46	51,750	1.80
Other	120	—	—	—	957	2.19	—	—
	<u>\$ 6,434</u>	<u>0.52%</u>	<u>\$ 160,536</u>	<u>0.63%</u>	<u>\$ 95,903</u>	<u>1.56%</u>	<u>\$ 917,425</u>	<u>1.41%</u>

Actual maturities for mortgage-backed securities may differ from contractual maturities due to prepayments on underlying collateral.

Loans

Composition of loans by primary loan portfolio class follows:

December 31, (dollars in thousands)	2021	2020	Variance	
			\$ Change	% Change
Commercial real estate - non-owner occupied	\$ 1,128,244	\$ 833,470	\$ 294,774	35%
Commercial real estate - owner occupied	678,405	508,672	169,733	33%
Total commercial real estate	1,806,649	1,342,142	464,507	35%
Commercial and industrial - term	596,710	525,776	70,934	13%
Commercial and industrial - term - PPP	140,734	550,186	(409,452)	-74%
Commercial and industrial - lines of credit	370,312	249,378	120,934	48%
Total commercial and industrial	1,107,756	1,325,340	(217,584)	-16%
Residential real estate - owner occupied	400,695	239,191	161,504	68%
Residential real estate - non-owner occupied	281,018	140,930	140,088	99%
Total residential real estate	681,713	380,121	301,592	79%
Construction and land development	299,206	291,764	7,442	3%
Home equity lines of credit	138,976	95,366	43,610	46%
Consumer	104,294	71,874	32,420	45%
Leases	13,622	14,786	(1,164)	-8%
Credit cards	17,087	10,203	6,884	67%
Total Loans (1)	<u>\$ 4,169,303</u>	<u>\$ 3,531,596</u>	<u>\$ 637,707</u>	<u>18%</u>

(1) Total loans are presented inclusive of premiums, discounts and net loan origination fees and costs.

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The composition of loans is presented below by primary loan portfolio class and bifurcated between Bancorp's legacy loan portfolio and the loan portfolio attributed to the Central Kentucky market entered as a result of the KB acquisition. This composition is presented to provide detail of the Central Kentucky market's loan portfolio and its contribution to the total loan composition of Bancorp at December 31, 2021.

<i>(dollars in thousands)</i>	As of December 31, 2021		
	Legacy	Central Kentucky	Total
Commercial real estate - non-owner occupied	\$ 910,065	\$ 218,179	\$ 1,128,244
Commercial real estate - owner occupied	579,599	98,806	678,405
Total commercial real estate	1,489,664	316,985	1,806,649
Commercial and industrial - term	535,923	60,787	596,710
Commercial and industrial - term - PPP	135,004	5,730	140,734
Commercial and industrial - lines of credit	327,269	43,043	370,312
Total commercial and industrial	998,196	109,560	1,107,756
Residential real estate - owner occupied	312,817	87,878	400,695
Residential real estate - non-owner occupied	120,981	160,037	281,018
Total residential real estate	433,798	247,915	681,713
Construction and land development	281,054	18,152	299,206
Home equity lines of credit	91,882	47,094	138,976
Consumer	89,352	14,942	104,294
Leases	13,622	—	13,622
Credits cards	15,475	1,612	17,087
Total loans (1)	\$ 3,413,043	\$ 756,260	\$ 4,169,303

(1) Total loans are presented inclusive of premiums, discounts, and net loan origination fees and costs.

Total loans increased \$638 million, or 18%, from December 31, 2020 to December 31, 2021, driven by the addition of \$756 million in loans associated with expansion into the Central Kentucky market. While organic growth was substantial, significant forgiveness-related contraction was experienced within the PPP portfolio between December 31, 2020 and December 31, 2021.

Excluding the loan portfolio attributed to the Central Kentucky market, loan contraction of \$119 million, or 3%, was experienced between December 31, 2020 and December 31, 2021, as the aforementioned forgiveness activity resulted in PPP portfolio balances declining \$409 million during 2021. Partially offsetting the large decline in PPP balances was organic growth of \$291 million, or 10%, nearly half of which, or \$146 million, was attributed to strong loan production within the CRE portfolio. Further, gradually improving line of credit utilization and the strategic retention of a portion of qualified secondary market single family residential real estate loan production from the mortgage banking department helped drive growth of \$78 million and \$54 million in the C&I line of credit and residential real estate portfolios, respectively.

After hitting a pandemic-era low at March 31, 2021, total line of credit utilization improved in each subsequent quarter of 2021, led by C&I line utilization improving to 31.8% at December 31, 2021 from 26.1% at December 31, 2020. However, line of credit usage remained well below pre-pandemic levels throughout the year, as the availability of the more favorable PPP lending facility generally disparaged utilization until the program expired on May 31, 2021.

Bancorp originated \$637 million PPP loans (\$657 million gross of unamortized fees and costs) as part of round one of the program, which expired in August of 2020. As of December 31, 2021, 98% of the dollars originated in round one had been forgiven. All but \$52,000 of the \$19.6 million in fee income received for round one originations has been recognized life to date.

Bancorp originated \$250 million (\$261 million gross of unamortized deferred fees and costs) as part of round two of the PPP program, which expired May 31, 2021. As of December 31, 2021, 49% of the dollars originated had been forgiven and 61% of the fees received for the second round of the program had been recognized life to date. As second round borrowers are not required to make payments for 16 months, it is probable that a significant portion of the borrowing base will seek forgiveness in early to mid-2022 in connection with their tax return preparation.

PPP loans of \$141 million (\$146 million gross of unamortized deferred fees and costs) were outstanding at December 31, 2021, including \$6 million outstanding related to the KB acquisition, compared to \$550 million at December 31, 2020. Bancorp has \$4.6 million in net unrecognized fees related to the PPP as of December 31, 2021, which are recognized over the life of the respective loans and accelerated when the loans are paid off or forgiven.

In accordance with Section 4013 of the CARES Act and in response to requests from borrowers who experienced business interruptions related to the pandemic, Bancorp extended payment deferrals for those affected borrowers. Depending on the demonstrated need of the customer, Bancorp deferred either the full loan payment or the principal-only portion of respective loan payments for 90 or 180 days for some borrowers directly impacted by the pandemic. As of December 31, 2021 outstanding full payment loan deferrals totaled just \$169,000, down from \$37 million, or 1.24% of total loans (excluding PPP loans), at December 31, 2020.

Bancorp's credit exposure is diversified with secured and unsecured loans to individuals and businesses. No specific industry concentration exceeds 10% of loans outstanding. While Bancorp has a diversified loan portfolio, a customer's ability to honor contracts is somewhat dependent upon the economic stability and/or industry in which that customer does business. Loans outstanding and related unfunded commitments are primarily concentrated within Bancorp's current market areas, which encompass Louisville, Kentucky, central and eastern Kentucky, Indianapolis, Indiana and Cincinnati, Ohio.

Bancorp occasionally enters into loan participation agreements with other banks to diversify credit risk. For certain participation loans sold, Bancorp has retained effective control of the loans, typically by restricting the participating institutions from pledging or selling their ownership share of the loan without permission from Bancorp. GAAP requires the participated portion of these loans to be recorded as secured borrowings. These participated loans are included in the C&I and CRE loan portfolio segments with a corresponding liability recorded in other liabilities. At December 31, 2021 and December 31, 2020, the total participated portion of loans of this nature totaled \$5 million and \$10 million, respectively.

The following table presents the maturity distribution and rate sensitivity of the loan portfolio at December 31, 2021:

December 31, 2021 (in thousands)	Maturity				Total	% of Total
	Within one year	After one but within five years	After five but within fifteen years	Ater fifteen years		
Commercial real estate - non-owner occupied						
Fixed rate	\$ 40,076	\$ 453,597	\$ 232,958	\$ 147,088	\$ 873,719	77%
Variable rate	44,499	116,374	92,146	1,506	254,525	23%
Total	<u>\$ 84,575</u>	<u>\$ 569,971</u>	<u>\$ 325,104</u>	<u>\$ 148,594</u>	<u>\$ 1,128,244</u>	<u>100%</u>
Commercial real estate - owner-occupied						
Fixed rate	\$ 29,328	\$ 281,473	\$ 239,829	\$ 56,115	\$ 606,745	89%
Variable rate	12,017	23,278	34,715	1,650	71,660	11%
Total	<u>\$ 41,345</u>	<u>\$ 304,751</u>	<u>\$ 274,544</u>	<u>\$ 57,765</u>	<u>\$ 678,405</u>	<u>100%</u>
Commercial and industrial - term						
Fixed rate	\$ 11,414	\$ 247,254	\$ 133,499	\$ 16,356	\$ 408,523	68%
Variable rate	31,081	120,111	36,995	-	188,187	32%
Total	<u>\$ 42,495</u>	<u>\$ 367,365</u>	<u>\$ 170,494</u>	<u>\$ 16,356</u>	<u>\$ 596,710</u>	<u>100%</u>
Commercial and industrial - term - PPP						
Fixed rate	\$ 8,018	\$ 132,716	\$ -	\$ -	\$ 140,734	100%
Variable rate	-	-	-	-	-	0%
Total	<u>\$ 8,018</u>	<u>\$ 132,716</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 140,734</u>	<u>100%</u>
Commercial and industrial - lines of credit						
Fixed rate	\$ 6,514	\$ 16,262	\$ 25,377	\$ -	\$ 48,153	13%
Variable rate	242,891	76,931	2,337	-	322,159	87%
Total	<u>\$ 249,405</u>	<u>\$ 93,193</u>	<u>\$ 27,714</u>	<u>\$ -</u>	<u>\$ 370,312</u>	<u>100%</u>
Residential real estate - owner occupied						
Fixed rate	\$ 5,062	\$ 13,255	\$ 72,247	\$ 303,978	\$ 394,542	98%
Variable rate	1,836	2,272	1,181	864	6,153	2%
Total	<u>\$ 6,898</u>	<u>\$ 15,527</u>	<u>\$ 73,428</u>	<u>\$ 304,842</u>	<u>\$ 400,695</u>	<u>100%</u>
Residential real estate - non-owner occupied						
Fixed rate	\$ 9,684	\$ 70,844	\$ 70,852	\$ 120,262	\$ 271,642	97%
Variable rate	4,522	2,037	2,817	-	9,376	3%
Total	<u>\$ 14,206</u>	<u>\$ 72,881</u>	<u>\$ 73,669</u>	<u>\$ 120,262</u>	<u>\$ 281,018</u>	<u>100%</u>
Construction and land development						
Fixed rate	\$ 20,107	\$ 31,636	\$ 54,827	\$ 9,392	\$ 115,962	39%
Variable rate	65,523	76,028	40,890	803	183,244	61%
Total	<u>\$ 85,630</u>	<u>\$ 107,664</u>	<u>\$ 95,717</u>	<u>\$ 10,195</u>	<u>\$ 299,206</u>	<u>100%</u>
Home equity lines of credit						
Fixed rate	\$ -	\$ -	\$ -	\$ -	\$ -	0%
Variable rate	6,276	33,645	69,939	29,116	138,976	100%
Total	<u>\$ 6,276</u>	<u>\$ 33,645</u>	<u>\$ 69,939</u>	<u>\$ 29,116</u>	<u>\$ 138,976</u>	<u>100%</u>

(continued)

(continued)

(continued)

	Maturity					
	Within one year	After one but within five years	After five but within fifteen years	Ater fifteen years	Total	% of Total
December 31, 2021 (in thousands)						
Consumer						
Fixed rate	\$ 5,437	\$ 25,582	\$ 8,847	\$ 934	\$ 40,800	39%
Variable rate	51,855	11,259	380	-	63,494	61%
Total	<u>\$ 57,292</u>	<u>\$ 36,841</u>	<u>\$ 9,227</u>	<u>\$ 934</u>	<u>\$ 104,294</u>	<u>100%</u>
Leases						
Fixed rate	\$ 605	\$ 9,701	\$ 3,316	\$ -	\$ 13,622	100%
Variable rate	-	-	-	-	-	0%
Total	<u>\$ 605</u>	<u>\$ 9,701</u>	<u>\$ 3,316</u>	<u>\$ -</u>	<u>\$ 13,622</u>	<u>100%</u>
Credit Cards						
Fixed rate	\$ -	\$ -	\$ -	\$ -	\$ -	0%
Variable rate	17,087	-	-	-	17,087	100%
Total	<u>\$ 17,087</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 17,087</u>	<u>100%</u>
Total Loans						
Fixed rate	\$ 136,245	\$ 1,282,320	\$ 841,752	\$ 654,125	\$ 2,914,442	70%
Variable rate	477,587	461,935	281,400	33,939	1,254,861	30%
Total	<u>\$ 613,832</u>	<u>\$ 1,744,255</u>	<u>\$ 1,123,152</u>	<u>\$ 688,064</u>	<u>\$ 4,169,303</u>	<u>100%</u>

In the event where Bancorp structures a loan with a maturity exceeding five years (typically CRE loans), an automatic rate adjustment will typically be set in place at five years from origination date to limit interest rate sensitivity.

Non-performing Loans and Assets

Information summarizing non-performing loans and assets follows:

December 31, (dollars in thousands)	2021	2020	2019	2018	2017
Non-accrual loans	\$ 6,712	\$ 12,514	\$ 11,494	\$ 2,611	\$ 6,511
Troubled debt restructurings	12	16	34	42	869
Loans past due 90 days or more and still accruing	684	649	535	745	2
Total non-performing loans	7,408	13,179	12,063	3,398	7,382
Other real estate owned	7,212	281	493	1,018	2,640
Total non-performing assets	\$ 14,620	\$ 13,460	\$ 12,556	\$ 4,416	\$ 10,022
Non-performing loans to total loans	0.18%	0.37%	0.42%	0.13%	0.31%
Non-performing loans to total loans (excluding PPP) (1)	0.18%	0.44%	—	—	—
Non-performing assets as to total assets	0.22%	0.29%	0.34%	0.13%	0.31%
Allowance to non-performing loans	728%	394%	222%	751%	337%

(1) See the section titled “Non-GAAP Financial Measures” for reconciliation of non-GAAP to GAAP measures.

Non-performing loans to total loans were 0.18% at December 31, 2021 compared to 0.37% at December 31, 2020. Non-performing loans to total loans (excluding PPP loans) were 0.18% at December 31, 2021 compared to 0.44% at December 31, 2020.

Non-performing assets increased \$1 million to \$15 million at December 31, 2021 compared to December 31, 2020, mainly due to foreclosure on a large CRE relationship that was in non-accrual status at December 31, 2020 and shifted to OREO at December 31, 2021.

In total, non-performing assets as of December 31, 2021 were comprised of 103 loans ranging in individual amounts up to \$950,000, one nominal accruing TDR loan and foreclosed real estate held for sale. Foreclosed real estate held at December 31, 2021 included two CRE properties and two residential real estate properties.

The following table presents the major classifications of non-accrual loans by portfolio:

December 31, (in thousands)	2021	2020
Commercial real estate - non-owner occupied	\$ 720	\$ 10,278
Commercial real estate - owner occupied	1,748	1,403
Total commercial real estate	2,468	11,681
Commercial and industrial - term	670	6
Commercial and industrial - lines of credit	228	88
Total commercial and industrial	898	94
Residential real estate - owner occupied	1,997	413
Residential real estate - non-owner occupied	293	101
Total residential real estate	2,290	514
Construction and land development	—	—
Home equity lines of credit	646	221
Consumer	410	4
Leases	—	—
Credit cards	—	—
Total non-accrual loans	<u>\$ 6,712</u>	<u>\$ 12,514</u>

Loans are placed in a non-accrual income status when prospects for recovering both principal and accrued interest are considered doubtful or when a default of principal or interest has existed for 90 days or more, unless such a loan is well-secured and in the process of collection or renewal. Interest income recorded on non-accrual loans as principal payments was \$312,000, \$350,000, and \$552,000 for 2021, 2020, and 2019. Interest income that would have been recorded if non-accrual loans were on a current basis in accordance with their original terms was \$359,000, \$457,000, and \$491,000 for 2021, 2020, and 2019.

In addition to non-performing loans discussed above, there were loans, which are accruing interest, for which payments were current or less than 90 days past due where borrowers are experiencing elevated financial difficulties. These potential problem loans totaled approximately \$40 million and \$26 million at December 31, 2021 and 2020. These relationships are monitored closely for possible future inclusion in non-performing loans. Management believes it has adequately reflected credit exposure in these loans in its determination of the allowance.

Loans accounted for as TDRs include modifications from original terms such as those due to bankruptcy proceedings, certain changes to amortization periods or extended suspension of principal payments due to customer financial difficulties. To the extent that Bancorp chooses to work with borrowers by providing reasonable concessions rather than initiating collection, this would result in an increase in loans accounted for as TDRs. TDRs that are in non-accrual status are reported as non-accrual loans. Loans accounted for as TDRs are individually evaluated for impairment and are reported as non-performing loans.

On March 2020, the CARES Act was signed into law. Section 4013 of the CARES Act, “Temporary Relief from Troubled Debt Restructurings,” provides banks the option to temporarily suspend certain requirements under GAAP related to TDRs for a limited period of time to account for the effects of COVID-19. To qualify for Section 4013 of the CARES Act, borrowers must have been current at December 31, 2019. All modifications are eligible as long as they are executed between March 1, 2020 and the earlier of (i) December 31, 2020, or (ii) the 60th day after the end of the COVID-19 national emergency declared by the President of the United States. Multiple modifications of the same credits are allowed and there is no cap on the duration of the modification. On December 21, 2020, certain provisions of the CARES Act, including the temporary suspension of certain requirements related to TDRs, were extended through December 31, 2021.

Also in March 2020, various regulatory agencies, including the Board of Governors of the Federal Reserve System and the Federal Deposit Insurance Corporation, issued an interagency statement on loan modifications and reporting for financial institutions working with customers affected by the pandemic. The interagency statement was effective immediately and impacted accounting for loan modifications. Under Accounting Standards Codification 310-40, “Receivables – Troubled Debt Restructurings by Creditors,” (“ASC 310-40”), a restructuring of debt constitutes a TDR if the creditor, for economic or legal reasons related to the debtor’s financial difficulties, grants a concession to the debtor that it would not otherwise consider. The agencies confirmed with the staff of the FASB that short-term modifications made on a good faith basis in response to COVID-19 to borrowers who were current prior to any relief, are not to be considered TDRs. This includes short-term modifications such as payment deferrals, fee waivers, extensions of repayment terms, or other delays in payment that are insignificant. Borrowers considered current are those that are less than 30 days past due on their contractual payments at the time a modification program is implemented.

At both December 31, 2021 and December 31, 2020, Bancorp had one loan classified as a TDR, the balance of which was \$12,000 and \$16,000, respectively, as of those dates.

Delinquent Loans

Delinquent loans (consisting of all loans 30 days or more past due) totaled \$11 million at December 31, 2021 compared to \$17 million at December 31, 2020. Delinquent loans total loans were 0.26% and 0.48% at December 31, 2021 and December 31, 2020. Delinquent loans to total loans (excluding PPP loans) were 0.27% and 0.57% at December 31, 2021 and December 31, 2020. See the section titled “Non-GAAP Financial Measures” for reconciliation of non-GAAP to GAAP measures.

Allowance for Credit Losses on Loans

The ACL is a valuation allowance for loans estimated at each balance sheet date in accordance with GAAP. When Bancorp deems all or a portion of a loan to be uncollectible, the appropriate amount is written off and the ACL is reduced by the same amount. Subsequent recoveries, if any, are credited to the ACL when received. See the footnote titled “Summary of Significant Accounting Policies” for discussion of Bancorp’s ACL methodology on loans. Allocations of the ACL may be made for specific loans, but the entire ACL on loans is available for any loan that, in Bancorp’s judgment, should be charged-off.

The following table sets forth the ACL by category of loan:

(dollars in thousands)	December 31, 2021			December 31, 2020		
	Allocated Allowance	% of Total ACL on loans	ACL on loans to Total Loans (1)	Allocated Allowance	% of Total ACL on loans	ACL on loans to Total Loans
Commercial real estate - non-owner occupied	\$ 15,960	30%	1.41%	\$ 19,396	37%	2.33%
Commercial real estate - owner occupied	9,595	18%	1.41%	6,983	13%	1.37%
Total commercial real estate	25,555	48%	1.41%	26,379	50%	1.97%
Commercial and industrial - term (1)	8,577	16%	1.44%	8,970	17%	1.71%
Commercial and industrial - lines of credit	4,802	9%	1.30%	3,614	7%	1.45%
Total commercial and industrial	13,379	25%	1.38%	12,584	24%	1.62%
Residential real estate - owner occupied	4,316	8%	1.08%	3,389	7%	1.42%
Residential real estate - non-owner occupied	3,677	7%	1.31%	1,818	3%	1.29%
Total residential real estate	7,993	15%	1.17%	5,207	10%	1.37%
Construction and land development	4,789	9%	1.60%	6,119	12%	2.10%
Home equity lines of credit	1,044	2%	0.75%	895	2%	0.94%
Consumer	772	1%	0.74%	340	1%	0.47%
Leases	204	0%	1.50%	261	1%	1.77%
Credit cards	162	0%	0.95%	135	0%	1.32%
Total	\$ 53,898	100%	1.34%	\$ 51,920	100%	1.74%

(1) Excludes the PPP loan portfolio at December 31, 2021 and December 31, 2020, which was not reserved for based on the 100% SBA guarantee.

The adoption of CECL and the subsequent beginning of the pandemic had a material impact on Bancorp's quarterly ACL on loans calculations for 2020. Upon adoption of ASC 326 on January 1, 2020, Bancorp recorded an increase of \$8.2 million to the ACL on loans and a corresponding decrease to retained earnings, net of the DTA impact. The adjustment upon adoption of ASC 326 raised the ACL on loans balance to \$37 million effective January 1, 2020.

Bancorp's ACL on loans was \$54 million as of December 31, 2021 compared to \$52 million as of December 31, 2020. The change in the ACL on loans was driven by a number of competing factors, which resulted in the \$2.0 million, or 4%, increase experienced for the year ended December 31, 2021. Acquisition-related activity was responsible for a total increase to the ACL on loans of \$14.2 million, comprised of a \$6.8 million day one adjustment for specific reserves placed on acquired PCD loans (offset to goodwill) and \$7.4 million of provision expense related to the remaining acquired non-PCD loan portfolio. Partially offsetting the acquisition-related increases was a net reduction of the ACL on loans of \$6.0 million for the year ended December 31, 2021 stemming from an improved unemployment forecast, general improvement in other underlying CECL model factors compared to recent periods and updates to Bancorp's CECL model. Further reducing the ACL on loans were net charge offs of \$6.2 million for the year, which were driven by the charge off of two large CRE relationships totaling \$4.4 million. Both relationships were fully reserved and the charge off had no income statement impact for the year ended December 31, 2021. Partially offsetting these charge offs was a \$555,000 recovery of a note that was fully charged off in 2020.

Outstanding loan balances (excluding PPP) grew \$1.05 billion, or 35%, between December 31, 2020 and December 31, 2021, as a result of the loan portfolio added through the KB acquisition and strong organic loan growth. This growth and related changes in the overall loan mix contributed \$16.8 million of provision expense for the year ended December 31, 2021. However, a net benefit of \$15.4 million stemming from the improvement in the unemployment forecast and underlying CECL model factors mentioned above significantly offset the growth-related expense.

The FRB's forecast of the Seasonally Adjusted National Civilian Unemployment Rate is the primary loss driver within Bancorp's CECL model. The actual rate steadily improved over the past year after spiking to 14.8% in April of 2020, standing at 3.9% as of December 31, 2021, which caused the forecast to improve substantially throughout the year. Changes in the unemployment forecast contributed a net benefit to provision for credit losses on loans of approximately \$6 million for the year ended December 31, 2021 compared to a net reserve build of approximately \$11 million for the year ended December 31, 2020.

The pandemic has had a material impact on Bancorp's quarterly ACL on loans calculations. While Bancorp has not yet experienced credit quality issues resulting in charge-offs related to the pandemic, the ACL on loans calculation and resulting credit loss expense is significantly impacted by changes in forecasted economic conditions. Should the forecast for economic conditions worsen, Bancorp could experience further increases in its required ACL on loans and record additional credit loss expense. While the execution of payment deferrals under the CARES ACT has assisted credit quality ratios, it is possible that asset quality could worsen at future measurement periods if the effects of the pandemic are prolonged.

While separate from the ACL on loans and recorded in Other Liabilities on Bancorp's consolidated balance sheets, the ACL for off balance sheet credit exposures decreased \$1.9 million, or 35%, to \$3.5 million at December 31, 2021. Reductions of the ACL for off balance sheet credit exposures totaling \$2.2 million were recorded for the year ended December 31, 2021, as a result of continued improvement in line of credit utilization, attributed largely to the C&I portfolio, and improved CECL model factors. C&I line of credit utilization improved to 31.8% at December 31, 2021 compared to 26.1% at December 31, 2020. While utilization improved significantly during 2021, it still remains well below pre-pandemic levels. Partially offsetting these reductions was the loan portfolio added through the KB acquisition, which resulted in a \$250,000 increase in the ACL for off balance sheet credit exposures at acquisition date with no corresponding impact on earnings.

Summary of Activity in the ACL on Loans

The table below reflects activity in the ACL related to loans for the years ended December 31, 2021 and 2020:

<i>(in thousands)</i> Year ended December 31, 2021	Beginning Balance	Initial Allowance on PCD Loans	Provision for Credit Losses on Loans	Charge-offs	Recoveries	Ending Balance
Commercial real estate - non-owner occupied	\$ 19,396	\$ 1,491	\$ (2,031)	\$ (3,065)	\$ 169	\$ 15,960
Commercial real estate - owner occupied	6,983	2,112	1,826	(1,909)	583	9,595
Total commercial real estate	26,379	3,603	(205)	(4,974)	752	25,555
Commercial and industrial - term	8,970	1,022	(112)	(1,337)	34	8,577
Commercial and industrial - lines of credit	3,614	1,755	(567)	-	-	4,802
Total commercial and industrial	12,584	2,777	(679)	(1,337)	34	13,379
Residential real estate - owner occupied	3,389	142	1,134	(383)	34	4,316
Residential real estate - non-owner occupied	1,818	88	1,766	-	5	3,677
Total residential real estate	5,207	230	2,900	(383)	39	7,993
Construction and land development	6,119	-	(1,333)	-	3	4,789
Home equity lines of credit	895	147	1	-	1	1,044
Consumer	340	-	743	(987)	676	772
Leases	261	-	(57)	-	-	204
Credit cards	135	-	27	-	-	162
Total	\$ 51,920	\$ 6,757	\$ 1,397	\$ (7,681)	\$ 1,505	\$ 53,898

<i>(in thousands)</i> Year ended December 31, 2020	Beginning Balance	Impact of Adopting ASC 326	Initial ACL on Loans Purchased with Credit Deterioration	Provision for Credit Losses	Charge-offs	Recoveries	Ending Balance
Commercial real estate - non-owner occupied	\$ 5,235	\$ 2,946	\$ 152	\$ 11,194	\$ (143)	\$ 12	\$ 19,396
Commercial real estate - owner occupied	3,327	1,542	1,350	2,115	(1,351)	-	6,983
Total commercial real estate	8,562	4,488	1,502	13,309	(1,494)	12	26,379
Commercial and industrial - term	6,782	365	-	1,832	(18)	9	8,970
Commercial and industrial - lines of credit	5,657	(1,528)	-	(515)	-	-	3,614
Total commercial and industrial	12,439	(1,163)	-	1,317	(18)	9	12,584
Residential real estate - owner occupied	1,527	1,087	99	737	(79)	18	3,389
Residential real estate - non-owner occupied	947	429	-	442	(2)	2	1,818
Total residential real estate	2,474	1,516	99	1,179	(81)	20	5,207
Construction and land development	2,105	3,056	-	902	-	56	6,119
Home equity lines of credit	728	114	-	53	-	-	895
Consumer	100	264	34	91	(508)	359	340
Leases	237	(4)	-	28	-	-	261
Credit cards - commercial	146	(50)	-	39	-	-	135
Total net loan (charge-offs) recoveries	\$ 26,791	\$ 8,221	\$ 1,635	\$ 16,918	\$ (2,101)	\$ 456	\$ 51,920

The table below reflects activity in the ACL related to loans for the year ended December 31, 2019, presented in accordance with ASC 310 prior to the adoption of ASC 326:

Year ended December 31, 2019 <i>(in thousands)</i>	Beginning Balance	Provision for Credit Losses	Charge-offs	Recoveries	Ending Balance
Real estate mortgage	\$ 10,681	\$ 1,021	\$ (38)	\$ 100	\$ 11,764
Commercial and industrial	11,965	684	(94)	267	12,822
Construction and development	1,760	(644)	-	203	1,319
Undeveloped land	752	34	-	-	786
Consumer	376	(95)	(552)	371	100
Total	\$ 25,534	\$ 1,000	\$ (684)	\$ 941	\$ 26,791

The table below details net charge-offs to average loans outstanding by category of loan for the years ended December 31, 2021 and 2020:

Year ended December 31, <i>(dollars in thousands)</i>	2021			2020		
	Net (charge offs)/ recoveries	Average Loans	Net (charge offs)/ recoveries to average loans	Net (charge offs)/ recoveries	Average Loans	Net (charge offs)/ recoveries to average loans
Commercial real estate - non-owner occupied	\$ (2,896)	\$ 1,027,405	-0.28%	\$ (131)	\$ 798,085	-0.02%
Commercial real estate - owner occupied	(1,326)	592,577	-0.22%	(1,351)	481,057	-0.28%
Total commercial real estate	(4,222)	1,619,982	-0.26%	(1,482)	1,279,142	-0.12%
Commercial and industrial - term	(1,303)	550,101	-0.24%	(9)	500,571	0.00%
Commercial and industrial - term - PPP	-	397,282	0.00%	-	442,510	0.00%
Commercial and industrial - lines of credit	-	290,231	0.00%	-	264,777	0.00%
Total commercial and industrial	(1,303)	1,237,614	-0.11%	(9)	1,207,858	0.00%
Residential real estate - owner occupied	(349)	334,718	-0.10%	(61)	218,998	-0.03%
Residential real estate - non-owner occupied	5	221,214	0.00%	-	137,470	0.00%
Total residential real estate	(344)	555,932	-0.06%	(61)	356,468	-0.02%
Construction and land development	3	290,705	0.00%	56	259,283	0.02%
Home equity lines of credit	1	121,276	0.00%	-	100,616	0.00%
Consumer	(311)	98,093	-0.32%	(149)	77,082	-0.19%
Leases	-	13,770	0.00%	-	14,897	0.00%
Credit cards	-	13,885	0.00%	-	9,563	0.00%
Total	\$ (6,176)	\$ 3,951,257	-0.16%	\$ (1,645)	\$ 3,304,909	-0.05%

Selected ratios relating to the allowance follow:

Years Ended December 31,	2021	2020	2019
Provision for credit losses to average loans	0.04%	0.51%	0.04%
Net (charge-offs)/recoveries to average loans	-0.16%	-0.05%	0.01%
Allowance for credit losses to average loans	1.36%	1.57%	0.99%
Allowance for credit losses to total loans	1.29%	1.47%	0.94%
Allowance for credit losses to total loans (excluding PPP) (1)	1.34%	1.74%	—

(1) See the section titled “Non-GAAP Financial Measures” for reconciliation of non-GAAP to GAAP measures.

Premises and Equipment

Premises and equipment are presented on the consolidated balance sheets net of related depreciation on the respective assets as well as fair value adjustments associated with purchase accounting. Premises and equipment increased \$19 million, or 33%, between December 31, 2020 and December 31, 2021 as a result of the KB acquisition, which added 19 locations. As of December 31, 2021, Bancorp has 63 full service banking center locations; 33 in the Louisville MSA, 19 in central and eastern Kentucky, 6 in the Cincinnati MSA and 5 in the Indianapolis MSA.

BOLI

Bank-owned life insurance assets increased \$20 million, or 60%, to \$53 million at December 31, 2021, compared to \$33 million at December 31, 2020, the increase stemming directly from life insurance assets added as a result of the KB acquisition.

Goodwill

At December 31, 2021, Bancorp had \$136 million in goodwill recorded on its balance sheet, including \$123 million recorded in association with the acquisition of KB. As permitted under GAAP, management has up to 12 months following the date of acquisition to finalize the fair values of the acquired assets and assumed liabilities related to the KB acquisition. During this measurement period, Bancorp may record subsequent adjustments to goodwill for provisional amounts recorded at the acquisition date.

Events that may trigger goodwill impairment include deterioration in economic conditions, a decline in market-dependent multiples or metrics (i.e. stock price falling below tangible book value), negative trends in overall financial performance and regulatory action. At September 30, 2021, Bancorp elected to perform a qualitative assessment to determine if it was more-likely-than-not that the fair value of the Commercial Banking reporting unit exceeded its carrying value, including goodwill. The qualitative assessment indicated that it was not more-likely-than-not that the carrying value of the reporting unit exceeded its fair value.

Core Deposit Intangibles (CDI)

CDI assets arising from business acquisitions are initially measured at fair value and are then amortized on an accelerated method of their useful lives. CDI assets increased \$4 million as of December 31, 2021 compared to December 31, 2020, entirely as a result of assets added through the KB acquisition.

Other Assets and Other Liabilities

Other assets increased \$15 million, or 21%, as of December 31, 2021 compared to December 31, 2020 while other liabilities increased \$9 million, or 10%, for the same respective periods.

The increase in Other Assets between December 31, 2020 and December 31, 2021 was attributed mainly to the addition of a large CRE OREO property, growth in MSR assets stemming from the KB acquisition, increased values of insurance policies outside of traditional BOLI, additional investment in tax credit partnerships and general increases in other assets related to the KB acquisition. Partially offsetting the overall increase was a reduction in interest rate swap assets.

The increase for Other Liabilities between December 31, 2020 and December 31, 2021 was driven by the accrual of an AFS debt security purchase that will settle in early 2022 and higher accrued employee incentive compensation associated with record operating results. These increases were offset by the reduction of various accrued liabilities, including tax credit partnership obligations, the ACL for off balance sheet credit exposures and interest rate swap liabilities.

Market value changes on interest rate swap transactions maintained for certain loan customers played a role in the fluctuations of both Other Asset and Other Liabilities, as noted above. Bancorp enters into these interest rate swap transactions with borrowers who desire to hedge exposure to rising interest rates, while at the same time entering into an offsetting interest rate swap, with substantially matching terms, with another approved independent counterparty. These are undesignated derivative instruments and are recognized on the balance sheet at fair value via both an asset and a related liability as Bancorp has an agreement with the borrower (the asset) and the counterparty (the liability). Because of matching terms of offsetting contracts and collateral provisions mitigating any non-performance risk, changes in fair value have an offsetting effect on the related asset and liability. For this reason, the market value changes over the past 12 months stemming from the declining interest rate environment have resulted in increases to both the asset and liability associated with these transactions. For additional information, see the footnote titled “*Derivative Financial Instruments*.”

Deposits

Total deposits increased \$1.80 billion, or 45%, from December 31, 2020 to December 31, 2021. Deposits totaling \$1.04 billion were assumed as a result of the KB acquisition. Deposit balances attributed to the acquired portfolio and related market increased slightly to \$1.08 billion as of December 31, 2021. Excluding the deposits attributed to the Central Kentucky market, deposits grew \$718 million, or 18%. Average deposit balances have increased \$1.27 billion, or 35%, over the past 12 months, as federal programs such as the PPP, stimulus checks and enhanced unemployment benefits drove both ending and average deposit balances to record levels as of December 31, 2021 in addition to deposits added as a result of the acquisition.

(dollars in thousands)

December 31,	2021	2020	Variance	
			\$ Change	% Change
Non-interest bearing demand deposits	\$ 1,755,754	\$ 1,187,057	\$ 568,697	48%
Interest bearing deposits:				
Interest bearing demand	2,131,928	1,355,985	775,943	57%
Savings	415,258	208,774	206,484	99%
Money market	1,050,352	844,414	205,938	24%
Time deposit accounts of \$250,000 or more	89,745	73,065	16,680	23%
Other time deposits	344,477	319,339	25,138	8%
Total time deposits	434,222	392,404	41,818	11%
Total interest bearing deposits	4,031,760	2,801,577	1,230,183	44%
Total deposits (1)	\$ 5,787,514	\$ 3,988,634	\$ 1,798,880	45%

(1) Includes \$5 million and \$25 million in brokered deposits as of December 31, 2021 and December 31, 2020, respectively.

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The composition of deposits, bifurcated between Bancorp's legacy deposit portfolio and the deposit portfolio acquired through expansion into the Central Kentucky market through the KB acquisition, is presented below. This composition is presented to provide detail of the Central Kentucky market's deposit portfolio and its contribution to the total deposit composition of Bancorp at December 31, 2021.

<i>(dollars in thousands)</i>	As of December 31, 2021		
	Legacy	Central Kentucky	Total
Non-interest bearing demand deposits	\$ 1,533,188	\$ 222,566	\$ 1,755,754
Interest bearing deposits:			
Interest bearing demand	1,628,598	503,330	2,131,928
Savings	258,032	157,226	415,258
Money market	961,579	88,773	1,050,352
Time deposit accounts of \$250,000 or more	66,045	23,700	89,745
Other time deposits(1)	259,636	84,841	344,477
Total time deposits	325,681	108,541	434,222
Total interest bearing deposits	3,173,890	857,870	4,031,760
Total deposits	<u>\$ 4,707,078</u>	<u>\$ 1,080,436</u>	<u>\$ 5,787,514</u>

Despite the sharp average balance increase experienced over the past twelve months, Bancorp has experienced significant benefit from lower deposit rates. The average cost of interest bearing deposits declined 25 bps to 0.17% between December 31, 2020 and December 31, 2021, while the overall cost of deposits (including non-interest bearing deposits) declined 14 bps to 0.15% over the same period.

Average deposit balances and average rates paid on such deposits for the years indicated are summarized as follows:

Years Ended December 31, <i>(dollars in thousands)</i>	2021		2020		2019	
	Average balance	Average rate	Average balance	Average rate	Average balance	Average rate
Non-interest bearing demand deposits	\$ 1,578,795	—%	\$ 1,100,942	—%	\$ 765,103	—%
Interest bearing demand deposits	1,633,606	0.11	1,133,308	0.16	875,897	0.57
Savings deposits	328,570	0.03	190,368	0.02	166,509	0.17
Money market deposits	919,778	0.06	771,363	0.19	695,411	1.02
Time deposits	<u>420,308</u>	<u>0.76</u>	<u>412,506</u>	<u>1.74</u>	<u>406,176</u>	<u>2.02</u>
Total Average Deposits	<u>\$ 4,881,057</u>		<u>\$ 3,608,487</u>		<u>\$ 2,909,096</u>	

Maturities of time deposits of \$250,000 or more at December 31, 2021 are summarized as follows:

<i>(in thousands)</i>	
3 months or less	\$ 16,561
Over 3 through 6 months	13,215
Over 6 through 12 months	35,753
Over 12 months	24,216
Total	<u>\$ 89,745</u>

Securities Sold Under Agreement to Repurchase

Information regarding SSUAR follows:

December 31, (dollars in thousands)

	2021	2020
Outstanding balance at end of period	\$ 75,466	\$ 47,979
Weighted average interest rate at end of period	0.04%	0.05%

Years Ended December 31, (dollars in thousands)

	2021	2020	2019
Average outstanding balance during the period	\$ 62,534	\$ 40,363	\$ 38,555
Average interest rate during the period	0.04%	0.09%	0.26%
Maximum outstanding at any month end during the period	\$ 81,964	\$ 47,979	\$ 52,599

SSUARs are collateralized by securities and are treated as financings; accordingly, the securities involved with the agreements are recorded as assets and are held by a safekeeping agent and the obligations to repurchase the securities are reflected as liabilities. All securities underlying the agreements are under the Bank's control. The majority of SSUARs are indexed to immediately repricing indices such as the FFTR.

SSUARs totaled \$75 million and \$48 million at December 31, 2021 and December 31, 2020, respectively, as SSUARs totaling \$11 million were assumed as part of the KB acquisition. The remaining increase in SSUAR is consistent with the general trend of customers maintaining elevated deposit balances.

Federal Funds Purchased and Other Short-Term Borrowing

FFP and other short-term borrowing balances decreased \$1 million, or 10%, between December 31, 2020 and December 31, 2021. At December 31, 2021, FFP relate entirely to excess liquidity held by downstream correspondent bank customers of Bancorp.

FHLB Advances

FHLB advances decreased \$32 million between December 31, 2020 and December 31, 2021 due to maturing advances not being renewed or replaced in addition to elective pay offs, resulting in Bancorp having no outstanding FHLB advances at December 31, 2021. During the first quarter of 2021, Bancorp elected to pay down certain advances prior to maturity without incurring pre-payment penalties. During the second quarter of 2021, Bancorp paid off \$14 million of term advances, with a weighted average cost of 2.03%, prior to their maturity incurring an early-termination fee of \$474,000. Bancorp based this decision on its excess liquidity position driven by the substantial deposit growth it achieved over the past year, combined with consideration for the cost of the advances and a break-even analysis.

As a result of the KB acquisition, FHLB advances totaling \$91 million were assumed and paid off immediately upon acquisition based on current levels of excess liquidity. Early termination penalties totaling \$2.5 million were incurred as a result of the payoffs, but had no income statement impact for the year ended December 31, 2021 due to the fair value adjustment recorded through goodwill at acquisition.

Liquidity

The role of liquidity management is to ensure funds are available to meet depositors' withdrawal and borrowers' credit demands while at the same time maximizing profitability. This is accomplished by balancing changes in demand for funds with changes in supply of those funds. Liquidity is provided by short-term assets that can be converted to cash, AFS debt securities, various lines of credit available to Bancorp, and the ability to attract funds from external sources, principally deposits. Management believes it has the ability to increase deposits at any time by offering rates slightly higher than market rate.

Bancorp's Asset/Liability Committee is comprised of senior management and has direct oversight responsibility for Bancorp's liquidity position and profile. A combination of reports provided to management details internal liquidity metrics, composition and level of the liquid asset portfolio, timing differences in short-term cash flow obligations, and exposure to contingent draws on Bancorp's liquidity.

For the years ended December 31, 2020 and 2021, Bancorp did not experience any significant funding issues related to the PPP or the pandemic in general. A significant portion of the PPP borrowings have remained in the form of commercial deposits and have generally been slow to outflow, as customers have utilized the funds to strengthen their balance sheets. In addition, federal stimulus checks and more lucrative unemployment benefits have also contributed to higher than normal deposit balances, resulting in record levels of liquidity. If a liquidity issue arose, Bancorp would utilize overnight funds from the FHLB (the lowest costing source), in which -----Bancorp has available credit of \$1.00 billion as of December 31, 2021.

Bancorp's most liquid assets are comprised of cash and due from banks, FFS and AFS debt securities. FFS and interest bearing deposits totaled \$899 million and \$275 million at December 31, 2021 and December 31, 2020, respectively. FFS normally have overnight maturities while interest-bearing deposits in banks are accessible on demand. These investments are used for general daily liquidity purposes. The fair value of the AFS debt security portfolio was \$1.18 billion and \$587 million at December 31, 2021 and December 31, 2020, respectively. The investment portfolio includes scheduled maturities of \$6 million and expected cash flows on amortizing AFS debt securities of approximately \$185 million (based on scheduled payments and assumed pre-payment speeds as of December 31, 2021) over the next 12 months. Combined with FFS and interest bearing deposits from banks, AFS debt securities offer substantial resources to meet either loan growth or reductions in Bancorp's deposit funding base. Bancorp pledges portions of its investment securities portfolio to secure public funds, cash balances of certain WM&T accounts and SSUAR. At December 31, 2021, total investment securities pledged for these purposes comprised 75% of the AFS debt securities portfolio, leaving approximately \$301 million of unpledged AFS debt securities.

Bancorp's deposit base consists mainly of core deposits, defined as time deposits less than or equal to \$250,000, demand, savings, money market deposit accounts and excludes public funds and brokered deposits. At December 31, 2021, such deposits totaled \$5.05 billion and represented 87% of Bancorp's total deposits, as compared with \$3.54 billion, or 89% of total deposits at December 31, 2020. Because these core deposits are less volatile and are often tied to other products of Bancorp through long lasting relationships, they do not place undue pressure on liquidity. However, many of Bancorp's individual depositors are currently maintaining historically high balances. These excess balances may be more sensitive to market rates, with potential decreases possibly straining Bancorp's liquidity position.

As of December 31, 2021 and December 31, 2020, Bancorp held brokered deposits totaling \$5 million and \$25 million, respectively. The \$5 million of brokered deposits outstanding at December 31, 2021 was entirely attributed to deposits added through the KB acquisition.

Included in total deposit balances at December 31, 2021 and 2020 were \$645 million and \$355 million, respectively, of public funds generally comprised of accounts from local government agencies and public school districts in the markets in which Bancorp operates. The large increase stems from deposit relationships added through expansion into the Central Kentucky market.

Bancorp is a member of the FHLB of Cincinnati. As a member of the FHLB, Bancorp has access to credit products of the FHLB. Bancorp views these borrowings as a potential low cost alternative to brokered deposits. At December 31, 2021 and December 31, 2020, available credit from the FHLB totaled \$1.00 billion and \$804 million, respectively. The increase in available credit during 2021 resulted from an increase in eligible loans (those pledged for collateral-based borrowing capacity) and the maturity or elective payoff of all FHLB borrowings. See the footnote titled "*FHLB Advances*" for additional detail. Additionally, Bancorp had unsecured available FFP lines with correspondent banks totaling \$80 million at both December 31, 2021 and December 31, 2020.

During the normal course of business, Bancorp enters into certain forms of off-balance sheet transactions, including unfunded loan commitments and letters of credit. These transactions are managed through Bancorp's various risk management processes. Management considers both on-balance sheet and off-balance sheet transactions in its evaluation of Bancorp's liquidity.

Bancorp's principal source of cash revenue is dividends paid to it as the sole shareholder of the Bank. As discussed in the footnote titled "*Commitments and Contingent Liabilities*," as of January 1st of any year, the Bank may pay dividends in an amount equal to the Bank's net income of the prior two years less any dividends paid for the same two years. At December 31, 2021, the Bank may pay an amount equal to \$53 million in dividends to Bancorp without regulatory approval subject to ongoing capital requirements of the Bank.

Sources and Uses of Cash

Cash flow is provided primarily through financing activities of Bancorp, which include raising deposits and borrowing funds from institutional sources such as advances from the FHLB and FFP, as well as scheduled loan repayments and cash flows from AFS debt securities. These funds are primarily used to facilitate investment activities of Bancorp, which include making loans and purchasing securities for the investment portfolio. Another important source of cash is net income of the Bank from operating activities. For further detail regarding the sources and uses of cash, see the "Consolidated Statements of Cash Flows" in Bancorp's consolidated financial statements.

Commitments

In the normal course of business, Bancorp is party to activities that contain credit, market and operational risk that are not reflected in whole or in part in Bancorp's consolidated financial statements. Such activities include traditional off-balance sheet credit-related financial instruments, commitments under operating leases and long-term debt.

Bancorp provides customers with off-balance sheet credit support through loan commitments and standby letters of credit. Unused loan commitments increased \$300 million as of December 31, 2021 compared to December 31, 2020 consistent with the KB acquisition.

Commitments to extend credit are an agreement to lend to a customer as long as collateral is available as agreed upon and there is no violation of any condition established in the contract. Commitments generally have fixed expiration dates or other termination clauses. Since some of the commitments are expected to expire without being drawn upon, the total commitment amounts do not necessarily represent future cash requirements. Bancorp uses the same credit and collateral policies in making commitments and conditional guarantees as for on-balance sheet instruments. Bancorp evaluates each customer's creditworthiness on a case-by-case basis. The amount of collateral obtained is based on management's credit evaluation of the customer. Collateral held varies, but may include accounts receivable, inventory, securities, equipment and real estate. However, should the commitments be drawn upon and should our customers default on their resulting obligation to us, our maximum exposure to credit loss, without consideration of collateral, is represented by the contractual amount of those instruments.

Additional detail regarding credit-related financial instruments, including both commitments to extend credit and letters of credit at December 31, 2021 are as follows:

(in thousands)	Amount of commitment expiration per period				Total
	Less than 1 year	1-3 years	3-5 years	Over 5 years	
Unused loan commitments	\$ 929,296	\$ 365,662	\$ 113,717	\$ 251,698	\$ 1,660,373
Standby letters of credit	30,265	480	34	—	30,779

See the footnote titled "*Commitments and Contingent Liabilities*" for additional detail.

At December 31, 2021 and December 31, 2020, Bancorp had accrued \$3.5 million and \$5.4 million, respectively, in other liabilities for its estimate of inherent risks related to unfunded credit commitments. The decrease is consistent with improvement in both line of credit utilization and the underlying CECL model factors.

Standby letters of credit are conditional commitments issued by Bancorp to guarantee the performance of a customer to a third party beneficiary. Those guarantees are primarily issued to support commercial transactions. Standby letters of credit generally have maturities of one to two years.

In addition to owned banking facilities, Bancorp has entered into long-term leasing arrangements for certain branch facilities. Bancorp also has required future payments for a non-qualified defined benefit retirement plan, time deposit maturities and other obligations.

Required payments under such commitments at December 31, 2021 are as follows:

(in thousands)	Payments due by period				
	Less than 1 year	1-3 years	3-5 years	Over 5 years	Total
Time deposit maturities	\$ 320,741	\$ 96,422	\$ 16,977	\$ 82	\$ 434,222
Operating leases (1)	2,634	5,081	3,532	7,699	18,946
Defined benefit retirement plan	—	137	356	2,785	3,278
Other (2)	1,616	1,865	1,588	2,673	7,742

(1) Includes assumed renewals.

(2) Consists primarily of contractual requirements relating to tax credit investments and community sponsorships.

Capital

Information pertaining to Bancorp's capital balances and ratios follows:

Years ended December 31, (dollars in thousands, except per share data)	2021	2020	2019
Stockholders' equity	\$ 675,869	\$ 440,701	\$ 406,297
Dividends per share	\$ 1.10	\$ 1.08	\$ 1.04
Dividend payout ratio, based on basic EPS	36.67%	41.38%	35.62%

Bancorp increased its cash dividends declared to stockholders during 2021 to an annual dividend of \$1.10, from \$1.08 per share in 2020 and \$1.04 in 2019. This represents a payout ratio of 36.67% based on basic EPS and an annual dividend yield of 1.72% based upon the year-end closing stock price.

At December 31, 2021, stockholders' equity totaled \$676 million, representing an increase of \$235 million, or 53%, compared to December 31, 2020. The large increase during 2021 was attributed mainly to stock issued in relation to the KB acquisition, which totaled \$205 million. Further, net income of \$74.6 million was partially offset by a larger negative change in AOCI and dividends declared for the year ended December 31, 2021. AOCI consists of net unrealized gains or losses on AFS debt securities and a minimum pension liability, each net of income taxes. AOCI declined \$17 million from December 31, 2020 to December 31, 2021, with the fluctuation stemming from the changing interest rate environment and corresponding valuation of the AFS debt securities portfolio. See the "Consolidated Statement of Changes in Stockholders' Equity" for further detail of changes in equity.

In May 2021, Bancorp's Board of Directors extended its share repurchase program authorizing the repurchase of up to 1 million shares, or approximately 4% of Bancorp's total common shares outstanding at inception. The plan, which will expire in May 2023 unless otherwise extended or completed at an earlier date, does not obligate Bancorp to repurchase any specific dollar amount or number of shares prior to the plan's expiration. Based on economic developments over the past year, the increased importance of capital preservation and the announcement of two acquisitions, no shares were repurchased in 2020 nor 2021. Approximately 741,000 shares remain eligible for repurchase under the current repurchase plan.

Bank holding companies and their subsidiary banks are required by regulators to meet risk-based capital standards. These standards, or ratios, measure the relationship of capital to a combination of balance sheet and off-balance sheet risks. The value of both balance sheet and off-balance sheet items are adjusted to reflect credit risks. See the footnote titled “Regulatory Matters” for additional detail regarding regulatory capital requirements, as well as capital ratios of Bancorp and the Bank. The Bank exceeds regulatory capital ratios required to be well-capitalized. Regulatory framework does not define well capitalized for holding companies. Management considers the effects of growth on capital ratios as it contemplates plans for expansion.

The following table sets forth consolidated Bancorp’s and the Bank’s risk based capital ratios:

December 31,	2021	2020
Total risk-based capital (1)		
Consolidated	12.79%	13.36%
Bank	12.42	12.99
Common equity tier 1 risk-based capital (1)		
Consolidated	11.94	12.23
Bank	11.56	11.85
Tier 1 risk-based capital (1)		
Consolidated	11.94	12.23
Bank	11.56	11.85
Leverage (2)		
Consolidated	8.86	9.57
Bank	8.57	9.26

(1) Under banking agencies’ risk-based capital guidelines, assets and credit-equivalent amounts of derivatives and off-balance sheet credit exposures are assigned to broad risk categories. The aggregate dollar amount in each risk category is multiplied by the associated risk weight of the category. Weighted values are added together, resulting in Bancorp’s total risk-weighted assets. These ratios are computed in relation to average assets.

(2) Ratio is computed in relation to average assets.

Capital ratios for the year ended December 31, 2021 decreased compared to the prior year as a result of substantial average asset and risk-weighted asset growth, driven by both organic and acquisition-related activity. While pressure was placed on risk-based capital and leverage ratios due to this growth, Bancorp continues to exceed the regulatory requirements for all calculations. Bancorp and the Bank intend to maintain a capital position that meets or exceeds the “well-capitalized” requirements as defined by the FRB and the FDIC, in addition to the capital conservation buffer.

Banking regulators have categorized the Bank as well-capitalized. To meet the definition of well-capitalized for prompt corrective action requirements, a bank must have a minimum 6.5% Common Equity Tier 1 Risk-Based Capital ratio, 8.0% Tier 1 Risk-Based Capital ratio, 10.0% Total Risk-Based Capital ratio and 5.0% Tier 1 Leverage ratio.

Additionally, in order to avoid limitations on capital distributions, including dividend payments and certain discretionary bonus payments to executive officers, Bancorp and the Bank must hold a 2.5% capital conservation buffer composed of Common Equity Tier 1 Risk-Based Capital above the minimum risk-based capital requirements for the Common Equity Tier 1 Risk-Based Capital ratio, Tier 1 Risk-Based Capital ratio and Total Risk-Based Capital ratio necessary to be considered adequately-capitalized. At December 31, 2021, the adequately-capitalized minimums, including the capital conservation buffer, were a 6.0% Common Equity Tier 1 Risk-Based Capital ratio, 8.5% Tier 1 Risk-Based Capital ratio and 10.5% Total Risk-Based Capital ratio.

As permitted by the interim final rule issued on March 27, 2020 by the federal banking regulatory agencies, Bancorp elected the option to delay the estimated impact on regulatory capital related to the adoption of ASC 326 “*Financial Instruments – Credit Losses*,” or CECL, which was effective January 1, 2020. The initial impact of adoption of ASC 326, as well as 25% of the quarterly increases in the ACL subsequent to adoption of ASC 326 (collectively the “transition adjustments”) were declared to be delayed for two years. After two years, the cumulative amount of the transition adjustments will become fixed and will be phased out of the regulatory capital calculations evenly over a three-year period, with 75% recognized in year three, 50% recognized in year four and 25% recognized in year five. After five years, the temporary regulatory capital benefits will be fully reversed. Had Bancorp not elected to defer the regulatory capital impact of CECL, the post ASC 326 adoption capital ratios of Bancorp and the Bank would have exceeded the well-capitalized level.

Fair Value Measurements

Bancorp follows the provisions of authoritative guidance for fair value measurements. This guidance is definitional and disclosure oriented and addresses how companies should approach measuring fair value when required by GAAP. It prescribes various disclosures about financial statement categories and amounts which are measured at fair value, if such disclosures are not already specified elsewhere in GAAP.

Authoritative guidance defines fair value as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between participants at the measurement date. The guidance requires fair value measurements to be classified as Level 1 (quoted prices), Level 2 (based on observable inputs) or Level 3 (based on significant unobservable, internally-derived inputs).

Bancorp’s AFS debt securities and interest rate swaps are recorded at fair value on a recurring basis. Other accounts including mortgage loans held for sale, MSRs, impaired loans and OREO may be recorded at fair value on a non-recurring basis, generally in the application of lower of cost or market adjustments or write-downs of specific assets.

The AFS debt securities portfolio is comprised of U.S. Treasury and other U.S. government obligations, debt securities of U.S. government-sponsored corporations (including mortgage-backed securities), and obligations of state and political subdivisions. U.S. Treasury securities are priced using quoted prices of identical securities in an active market. These measurements are classified as Level 1 in the hierarchy above. All other securities are priced using standard industry models or matrices with various assumptions such as yield curves, volatility, prepayment speeds, default rates, time value, credit rating and market prices for similar instruments. These assumptions are generally observable in the market place and can be derived from or supported by observable data. These measurements are classified as Level 2 in the hierarchy above.

Interest rate swaps are valued using primarily Level 2 inputs. Fair value measurements generally based on benchmark forward yield curves and other relevant observable market data. For purposes of potential valuation adjustments to derivative positions, Bancorp evaluates the credit risk of its counterparties as well as its own credit risk. To date, Bancorp has not realized any losses due to a counterparty’s inability to perform and the change in value of derivative assets and liabilities attributable to credit risk was not significant during 2019, 2020 and 2021.

MSRs, carried in other assets and recorded at fair value upon capitalization, are amortized to correspond with estimated servicing income and are periodically assessed for impairment based on fair value at the reporting date. Fair value is based on a valuation model that calculates the present value of estimated net servicing income. The model incorporates assumptions that market participants would use in estimating future net servicing income. These measurements are classified as Level 3. At December 31, 2021 and 2020, there was no valuation allowance for MSRs, as fair value exceeded carrying value.

Loans considered to be collateral dependent are measured for impairment and, if indicated, a specific allocation is established based on the value of underlying collateral. Collateral dependent loans include non-accrual loans and loans accounted for as TDRs. For collateral dependent loans, fair value amounts represent only those loans with specific valuation allowances and loans charged down to their carrying value. At December 31, 2021 and December 31, 2020, the carrying value of collateral dependent loans measured at fair value on a non-recurring basis was \$7 million and \$8 million. These measurements are classified as Level 3.

OREO, which is carried in other assets at the lower of cost or fair value, is periodically assessed for impairment based on fair value at the reporting date. Fair value is commonly based on recent real estate appraisals or valuations performed by internal or external parties which use judgments and assumptions that are property-specific and sensitive to changes in the overall economic environment. Appraisals may be further discounted based on management's historical knowledge and/or changes in market conditions from the date of the most recent appraisal. Many of these inputs are not observable and, accordingly, these measurements are classified as Level 3. OREO is equal to the carrying value of only parcels of OREO for which carrying value equals appraised value. If a parcel of OREO has a carrying value below its appraised value, it is not considered to be carried at fair value. The losses represent write-downs which occurred during the period indicated. At December 31, 2021 and 2020, the carrying value of OREO was \$7 million and \$281,000.

See the Footnote titled "Assets and Liabilities Measured and Reported at Fair Value," for additional detail regarding fair value measurements.

Non-GAAP Financial Measures

The following table provides a reconciliation of total stockholders' equity in accordance with GAAP to tangible stockholders' equity (TCE), a non-GAAP disclosure. Bancorp provides the TCE per share, a non-GAAP measure, in addition to those defined by banking regulators, based on its widespread use by investors as a means to evaluate capital adequacy:

December 31, (dollars in thousands, except per share data)	2021	2020
Total stockholders' equity - GAAP (a)	\$ 675,869	\$ 440,701
Less: Goodwill	(135,830)	(12,513)
Less: Core deposit intangible	(5,596)	(1,962)
Tangible common equity - Non-GAAP (c)	<u>\$ 534,443</u>	<u>\$ 426,226</u>
Total assets - GAAP (b)	\$ 6,646,025	\$ 4,608,629
Less: Goodwill	(135,830)	(12,513)
Less: Core deposit intangible	(5,596)	(1,962)
Tangible assets - Non-GAAP (d)	<u>\$ 6,504,599</u>	<u>\$ 4,594,154</u>
Total stockholders' equity to total assets - GAAP (a/b)	10.17%	9.56%
Tangible common equity to tangible assets - Non-GAAP (c/d)	8.22%	9.28%
Total shares outstanding (e)	<u>26,596</u>	<u>22,692</u>
Book value per share - GAAP (a/e)	\$ 25.41	\$ 19.42
Tangible common equity per share - Non-GAAP (c/e)	20.09	18.78

ACL on loans to total non-PPP loans represents the ACL on loans, divided by total loans less PPP loans. Non-performing loans to total non-PPP loans represents non-performing loans, divided by total loans less PPP loans. Delinquent loans to total non-PPP loans represents delinquent loans (consisting of all loans 30 days or more past due), divided by total loans less PPP loans. Bancorp believes these non-GAAP disclosures are important because they provide comparable ratios after eliminating PPP loans, which are fully guaranteed by the SBA and have not been allocated for within the ACL and are not at risk of non-performance.

December 31, (dollars in thousands)

	2021	2020
Total loans - GAAP (a)	\$ 4,169,303	\$ 3,531,596
Less: PPP loans	(140,734)	(550,186)
Total non-PPP loans - Non-GAAP (b)	<u>\$ 4,028,569</u>	<u>\$ 2,981,410</u>
Allowance for credit losses on loans (c)	\$ 53,898	\$ 51,920
Non-performing loans (d)	7,408	13,179
Delinquent loans (e)	11,036	16,939
Allowance for credit losses on loans to total loans - GAAP (c/a)	1.29%	1.47%
Allowance for credit losses on loans to total loans - Non-GAAP (c/b)	1.34%	1.74%
Non-performing loans to total loans - GAAP (d/a)	0.18%	0.37%
Non-performing loans to total loans - Non-GAAP (d/b)	0.18%	0.44%
Delinquent loans to total loans - GAAP (e/a)	0.26%	0.48%
Delinquent loans to total loans - Non-GAAP (e/b)	0.27%	0.57%

The efficiency ratio, a non-GAAP measure, equals total non-interest expenses divided by the sum of net interest income FTE and non-interest income. The ratio excludes net gains (losses) on sales, calls, and impairment of investment securities, if applicable. In addition to the efficiency ratio, Bancorp considers an adjusted efficiency ratio. Bancorp believes it is important because it provides a comparable ratio after eliminating the fluctuation in non-interest expenses related to amortization of investments in tax credit partnerships.

Net interest income on a FTE basis includes the additional amount of interest income that would have been earned if investments in certain tax-exempt interest earning assets had been made in assets subject to federal, state and local taxes yielding the same after-tax income.

Years ended December 31, (dollars in thousands)

	2021	2020	2019
Total non-interest expenses - GAAP (a)	\$ 142,280	\$ 101,659	\$ 98,116
Less: Non-recurring merger expenses	(19,025)	—	(1,313)
Less: Amortization of investments in tax credit partnerships	(367)	(3,096)	(1,078)
Total non-interest expenses - Non-GAAP (c)	<u>\$ 122,888</u>	<u>\$ 98,563</u>	<u>\$ 95,725</u>
Total net interest income, FTE	\$ 171,508	\$ 136,133	\$ 125,571
Total non-interest income	65,850	51,899	49,428
Less: Gain/loss on sale of securities	—	—	—
Total revenue - GAAP (b)	<u>\$ 237,358</u>	<u>\$ 188,032</u>	<u>\$ 174,999</u>
Efficiency ratio - GAAP (a/b)	59.94%	54.06%	56.07%
Efficiency ratio - Non-GAAP (c/b)	51.77%	52.42%	54.70%

Item 7A. Quantitative and Qualitative Disclosures About Market Risk.

Information required by this item is included in Item 7, “*Management’s Discussion and Analysis of Financial Condition and Results of Operations*” of this Form 10-K.

Item 8. Financial Statements and Supplementary Data.

The following consolidated financial statements of Bancorp, and reports of independent registered public accounting firms and management are included below:

[Consolidated Balance Sheets - December 31, 2021 and 2020](#)

[Consolidated Statements of Income - years ended December 31, 2021, 2020 and 2019](#)

[Consolidated Statements of Comprehensive Income - years ended December 31, 2021, 2020 and 2019](#)

[Consolidated Statements of Changes in Stockholders’ Equity - years ended December 31, 2021, 2020 and 2019](#)

[Consolidated Statements of Cash Flows - years ended December 31, 2021, 2020 and 2019](#)

[Footnotes to Consolidated Financial Statements](#)

[Reports of Independent Registered Public Accounting Firm \(BKD, LLP, Indianapolis, Indiana, PCAOB ID 686\)](#)

[Management’s Report on Consolidated Financial Statements](#)

CONSOLIDATED BALANCE SHEETS

December 31, (in thousands, except share and per share data)

	December 31, 2021	December 31, 2020
Assets		
Cash and due from banks	\$ 62,304	\$ 43,179
Federal funds sold and interest bearing due from banks	898,888	274,766
Total cash and cash equivalents	961,192	317,945
Mortgage loans held for sale	8,614	22,547
Available for sale debt securities (amortized cost of \$1,190,379 in 2021 and \$574,722 in 2020, respectively)	1,180,298	586,978
Federal Home Loan Bank stock, at cost	9,376	11,284
Loans	4,169,303	3,531,596
Allowance for credit losses on loans	53,898	51,920
Net loans	4,115,405	3,479,676
Premises and equipment, net	76,894	58,015
Bank owned life insurance	53,073	33,250
Accrued interest receivable	13,745	13,094
Goodwill	135,830	12,513
Core deposit intangible	5,596	1,962
Other assets	86,002	71,365
Total assets	\$ 6,646,025	\$ 4,608,629
Liabilities		
Deposits:		
Non-interest bearing	\$ 1,755,754	\$ 1,187,057
Interest bearing	4,031,760	2,801,577
Total deposits	5,787,514	3,988,634
Securities sold under agreements to repurchase	75,466	47,979
Federal funds purchased	10,374	11,464
Federal Home Loan Bank advances	—	31,639
Accrued interest payable	300	391
Other liabilities	96,502	87,821
Total liabilities	5,970,156	4,167,928
Commitments and contingent liabilities (Footnote 19)		
Stockholders' equity		
Preferred stock, no par value. Authorized 1,000,000 shares; no shares issued or outstanding	—	—
Common stock, no par value. Authorized 40,000,000 shares; issued and outstanding 26,596,000 and 22,692,000 shares in 2021 and 2020, respectively	49,501	36,500
Additional paid-in capital	243,107	41,886
Retained earnings	391,201	353,574
Accumulated other comprehensive income (loss)	(7,940)	8,741
Total stockholders' equity	675,869	440,701
Total liabilities and stockholders' equity	\$ 6,646,025	\$ 4,608,629

See accompanying notes to consolidated financial statements.

CONSOLIDATED STATEMENTS OF INCOME

Years Ended December 31, (in thousands, except per share data)

	2021	2020	2019
Interest income:			
Loans, including fees	\$ 164,073	\$ 137,699	\$ 134,469
Federal funds sold and interest bearing due from banks	645	738	2,933
Mortgage loans held for sale	249	533	182
Federal Home Loan Bank stock	262	253	548
Securities available for sale:			
Taxable	11,575	8,432	9,291
Tax-exempt	272	216	469
Total interest income	177,076	147,871	147,892
Interest expense:			
Deposits	5,627	10,478	20,560
Securities sold under agreements to repurchase	24	37	101
Federal funds purchased and other short-term borrowing	14	35	217
Federal Home Loan Bank advances	337	1,400	1,640
Subordinated debentures	—	—	26
Total interest expense	6,002	11,950	22,544
Net interest income	171,074	135,921	125,348
Provision for credit losses	(753)	18,418	1,000
Net interest income after provision for credit losses	171,827	117,503	124,348
Non-interest income:			
Wealth management and trust services	27,613	23,406	22,643
Deposit service charges	5,852	4,161	5,193
Debit and credit card income	13,456	8,480	8,123
Treasury management fees	6,912	5,407	4,992
Mortgage banking income	4,724	6,155	2,934
Net investment product sales commissions and fees	2,553	1,775	1,498
Bank owned life insurance	914	693	1,031
Other	3,826	1,822	3,014
Total non-interest income	65,850	51,899	49,428
Non-interest expenses:			
Compensation	63,034	51,368	49,882
Employee benefits	13,479	11,064	10,691
Net occupancy and equipment	9,688	8,182	8,159
Technology and communication	11,145	8,732	7,318
Debit and credit card processing	4,494	2,606	2,493
Marketing and business development	4,150	2,383	3,627
Postage, printing and supplies	2,213	1,778	1,652
Legal and professional	2,583	2,392	2,138
FDIC insurance	1,847	1,217	245
Amortization of investments in tax credit partnerships	367	3,096	1,078
Capital and deposit based taxes	2,090	4,386	3,870
Merger expenses	19,025	—	1,313
Federal Home Loans Bank early termination penalty	474	—	—
Other	7,691	4,455	5,650
Total non-interest expenses	142,280	101,659	98,116
Income before income tax expense	95,397	67,743	75,660
Income tax expense	20,752	8,874	9,593
Net income	\$ 74,645	\$ 58,869	\$ 66,067
Net income per share - basic	\$ 3.00	\$ 2.61	\$ 2.92
Net income per share - diluted	\$ 2.97	\$ 2.59	\$ 2.89
Weighted average outstanding shares:			
Basic	24,898	22,563	22,598
Diluted	25,156	22,768	22,865

See accompanying notes to consolidated financial statements.

CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME**Years Ended December 31, (in thousands)**

	2021	2020	2019
Net income	\$ 74,645	\$ 58,869	\$ 66,067
Other comprehensive income (loss):			
Change in unrealized gain (loss) on AFS debt securities	(22,337)	10,831	8,172
Change in fair value of derivatives used in cash flow hedge	159	(109)	(567)
Minimum pension liability adjustment	216	(103)	(207)
Total other comprehensive income (loss) before income tax effect	(21,962)	10,619	7,398
Tax effect	(5,281)	2,555	1,579
Total other comprehensive income (loss), net of tax	(16,681)	8,064	5,819
Comprehensive income	\$ 57,964	\$ 66,933	\$ 71,886

See accompanying notes to consolidated financial statements.

CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY

Years Ended December 31, 2021, 2020 and 2019

(in thousands, except per share data)	Common stock		Additional paid-in capital	Retained earnings	Accumulated other comprehensive income (loss)	Total stockholders' equity
	Number of shares	Amount				
Balance, January 1, 2019	22,749	\$ 36,689	\$ 36,797	\$ 298,156	\$ (5,142)	\$ 366,500
2019 Activity:						
Net income	—	—	—	66,067	—	66,067
Other comprehensive income	—	—	—	—	5,819	5,819
Stock compensation expense	—	—	3,578	—	—	3,578
Repurchase of common stock	(259)	(861)	(8,303)	—	—	(9,164)
Stock issued for share-based awards, net of withholdings to satisfy employee tax obligations	116	385	3,701	(7,010)	—	(2,924)
Cash dividends declared, \$1.04 per share	—	—	—	(23,579)	—	(23,579)
Shares cancelled	(2)	(6)	(59)	65	—	—
Balance, December 31, 2019	<u>22,604</u>	<u>\$ 36,207</u>	<u>\$ 35,714</u>	<u>\$ 333,699</u>	<u>\$ 677</u>	<u>\$ 406,297</u>
Balance, January 1, 2020	22,604	\$ 36,207	\$ 35,714	\$ 333,699	\$ 677	\$ 406,297
2020 Activity:						
Impact of adoption of ASC 326	—	—	—	(8,823)	—	(8,823)
Net income	—	—	—	58,869	—	58,869
Other comprehensive income	—	—	—	—	8,064	8,064
Stock compensation expense	—	—	3,262	—	—	3,262
Stock issued for share-based awards, net of withholdings to satisfy employee tax obligations	93	306	3,035	(5,831)	—	(2,490)
Cash dividends declared, \$1.08 per share	—	—	—	(24,478)	—	(24,478)
Shares cancelled	(5)	(13)	(125)	138	—	—
Balance, December 31, 2020	<u>22,692</u>	<u>\$ 36,500</u>	<u>\$ 41,886</u>	<u>\$ 353,574</u>	<u>\$ 8,741</u>	<u>\$ 440,701</u>
Balance, January 1, 2021	22,692	\$ 36,500	\$ 41,886	\$ 353,574	\$ 8,741	\$ 440,701
2021 Activity:						
Net income	—	—	—	74,645	—	74,645
Other comprehensive loss	—	—	—	—	(16,681)	(16,681)
Stock compensation expense	—	—	4,565	—	—	4,565
Stock issued for share-based awards, net of withholdings to satisfy employee tax obligations	101	334	4,841	(9,001)	—	(3,826)
Stock issued for KB acquisition	3,808	12,682	191,988	—	—	204,670
Cash dividends declared, \$1.10 per share	—	—	—	(28,205)	—	(28,205)
Shares cancelled	(5)	(15)	(173)	188	—	—
Balance, December 31, 2021	<u>26,596</u>	<u>\$ 49,501</u>	<u>\$ 243,107</u>	<u>\$ 391,201</u>	<u>\$ (7,940)</u>	<u>\$ 675,869</u>

See accompanying notes to consolidated financial statements.

CONSOLIDATED STATEMENTS OF CASH FLOWS
Years Ended December 31, (in thousands)

	2021	2020	2019
Cash flows from operating activities:			
Net income	74,645	58,869	66,067
Adjustments to reconcile net income to net cash provided by operating activities:			
Provision for credit losses	(753)	18,418	1,000
Depreciation, amortization and accretion, net	11,329	9,743	4,880
Deferred income tax expense (benefit)	5,401	(7,508)	(5,852)
Gain on sale of mortgage loans held for sale	(3,602)	(4,713)	(1,907)
Origination of mortgage loans held for sale	(157,304)	(258,525)	(108,020)
Proceeds from sale of mortgage loans held for sale	177,910	249,439	102,854
Bank owned life insurance income	(914)	(693)	(1,031)
(Gain)/loss on the disposal of premises and equipment	78	(150)	372
(Gain)/loss on the sale of other real estate owned	(163)	73	7
Stock compensation expense	4,565	3,262	3,578
Excess tax benefit from share-based compensation arrangements	(1,482)	(452)	(812)
Net change in accrued interest receivable and other assets	4,007	(20,880)	(2,786)
Net change in accrued interest payable and other liabilities	(11,617)	30,242	86
Net cash provided by operating activities	102,100	77,125	58,436
Cash flows from investing activities:			
Purchases of available for sale debt securities	(504,777)	(455,368)	(702,441)
Proceeds from sales of acquired available for sale debt securities	91,214	—	12,427
Proceeds from maturities and paydowns of available for sale debt securities	210,052	348,736	678,039
Proceeds from redemption of Federal Home Loan Bank stock	8,980	—	591
Proceeds from redemption of acquired Federal Reserve Bank stock	—	—	490
Proceeds from redemption of interest bearing due from banks	—	—	1,761
Proceeds from the sale of held for investment loans	—	2,794	—
Net change in non-PPP loans	(342,468)	(144,353)	(131,734)
Net change in PPP loans	441,987	(550,186)	—
Purchases of premises and equipment	(4,581)	(5,458)	(5,098)
Proceeds from sale or disposal of premises and equipment	—	1,240	2,907
Proceeds from surrender of acquired bank owned life insurance	—	—	3,431
Proceeds from bank owned life insurance mortality benefit	—	—	1,878
Other investment activities	(5,181)	(2,381)	(2,766)
Proceeds from sales of other real estate owned	919	258	2,028
Cash for acquisition, net of cash acquired	24,981	—	(24,686)
Net cash used in investing activities	(78,874)	(804,718)	(163,173)
Cash flows from financing activities:			
Net change in deposits	759,752	854,618	213,913
Net change in securities sold under agreements to repurchase and federal funds purchased	15,037	16,661	(5,125)
Proceeds from Federal Home Loan Bank advances	30,000	100,000	120,000
Repayments of Federal Home Loan Bank advances	(152,744)	(148,495)	(131,726)
Repayment of acquired bank holding company line of credit	—	—	(2,300)
Redemption of acquired bank subordinated debentures	—	—	(3,609)
Repurchase of common stock	(3,618)	(2,265)	(11,817)
Share repurchases related to compensation plans	(208)	(224)	(272)
Cash dividends paid	(28,198)	(24,481)	(23,542)
Net cash provided by financing activities	620,021	795,814	155,522
Net change in cash and cash equivalents	643,247	68,221	50,785
Beginning cash and cash equivalents	317,945	249,724	198,939
Ending cash and cash equivalents	\$ 961,192	\$ 317,945	\$ 249,724

(continued)

CONSOLIDATED STATEMENTS OF CASH FLOWS *(continued)*
Years Ended December 31, (in thousands)

	2021	2020	2019
Supplemental cash flow information:			
Interest paid	6,093	12,199	22,199
Income tax paid, net of refunds	14,259	12,468	13,938
Cash paid for operating lease liabilities	2,568	2,218	2,170
Supplemental non-cash activity:			
Unfunded commitments in tax credit investments	\$ 5,217	\$ 8,958	\$ 4,012
Initial recognition of right-of-use lease assets	—	—	16,747
Initial recognition operating lease liabilities	—	—	18,067
Loans purchased and not settled	—	5,000	—
Securities purchased and not settled	20,998	—	—
Dividends payable	220	213	215
Loans transferred to OREO	7,136	119	1,160
Liabilities assumed in conjunction with acquisitions:			
Fair value of assets acquired	\$ 1,389,327	\$ —	\$ 204,613
Cash paid in acquisition	28,276	—	—
Common stock issued in acquisition	204,670	—	28,000
Total consideration paid	232,946	—	28,000
Liabilities assumed	<u>\$ 1,156,381</u>	<u>\$ —</u>	<u>\$ 176,613</u>

See accompanying notes to consolidated financial statements.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

(1) Summary of Significant Accounting Policies

Nature of Operations – Stock Yards Bancorp, Inc. (“Bancorp” or “the Company”) is a FHC headquartered in Louisville, Kentucky. The accompanying condensed consolidated financial statements include the accounts of its wholly owned subsidiaries, SYB (“the Bank”) and SYB Insurance Company, Inc. (“the Captive”). Intercompany transactions and balances are eliminated in consolidation. The consolidated financial statements of Bancorp and its subsidiaries have been prepared in conformity with GAAP and adhere to predominant practices within the banking industry.

Established in 1904, SYB is a state-chartered non-member financial institution that provides services in Louisville, central, eastern and northern Kentucky, as well as the Indianapolis, Indiana and Cincinnati, Ohio metropolitan markets through 63 full service banking center locations.

Bancorp is divided into two reportable segments: Commercial Banking and WM&T:

Commercial Banking provides a full range of loan and deposit products to individual consumers and businesses in all its markets through retail lending, mortgage banking, deposit services, online banking, mobile banking, private banking, commercial lending, commercial real estate lending, leasing, treasury management services, merchant services, international banking, correspondent banking and other banking services. The Bank also offers securities brokerage services via its banking center network through an arrangement with a third party broker-dealer in the Commercial Banking segment.

WM&T provides investment management, financial & retirement planning and trust & estate services, as well as retirement plan management for businesses and corporations in all markets in which Bancorp operates. The magnitude of WM&T revenue distinguishes Bancorp from other community banks of similar asset size.

The Captive, a wholly owned subsidiary of the Company, is a Nevada-based captive insurance company that provides insurance against certain risks unique to operations of the Company and its subsidiaries for which insurance may not be currently available or economically feasible in today’s insurance marketplace. The Captive pools resources with several other similar insurance company subsidiaries of financial institutions to spread a limited amount of risk among themselves. The Captive is subject to regulations of the State of Nevada and undergoes periodic examinations by the Nevada Division of Insurance. It has elected to be taxed under Section 831(b) of the Internal Revenue Code. Pursuant to Section 831(b), if gross premiums do not exceed \$2,400,000, then the Captive is taxable solely on its investment income. The Captive is included in the Company’s consolidated financial statements and its federal income tax return.

Critical Accounting Policies and Estimates – To prepare financial statements in conformity with GAAP, management must make estimates and assumptions that require difficult, complex or subjective judgments, some of which may relate to matters that are inherently uncertain. Estimates are susceptible to material changes as a result of changes in facts and circumstances. Facts and circumstances which could affect these judgments include, but are not limited to, changes in interest rates, changes in the performance of the economy, including pandemic-related changes, and changes in the financial condition of borrowers.

Bancorp’s accounting policies are fundamental to understanding management’s discussion and analysis of our results of operations and financial condition. At December 31, 2021, the accounting policies considered the most critical in preparing Bancorp’s consolidated financial statements is the determination of the ACL on loans and Goodwill. The determination of the ACL on loans was the policy considered most critical in preparing Bancorp’s consolidated financial statements at December 31, 2020. Goodwill was included as a critical accounting policy for 2021 due to the amount of Goodwill recorded in relation to the KB acquisition.

Effective January 1, 2020, Bancorp adopted ASC 326 “*Financial Instruments – Credit Losses*,” which created material changes to Bancorp’s existing critical accounting policy that existed at December 31, 2019. Accounting policies relating to credit losses for investment securities, loans and off-balance sheet credit exposures reflect the current accounting policies required by this ASC. Disclosures relating to accounting policies prior to 2020 can be found in the 2019 Annual Report on Form 10-K.

The ACL on loans is established through credit loss expense charged to current earnings. The amount maintained in the ACL reflects management's estimate of the net amount not expected to be collected on the loan portfolio at the balance sheet date over the life of the loan. The ACL is comprised of specific reserves assigned to certain loans that do not share general risk characteristics and general reserves on pools of loans that do share general risk characteristics. Factors contributing to the determination of specific reserves include the creditworthiness of the borrower and more specifically, changes in the expected future receipt of principal and interest payments and/or in the value of pledged collateral. A specific reserve is recorded when the carrying amount of the loan exceeds the discounted estimated cash flows using the loan's initial effective interest rate or the fair value of the collateral for certain collateral-dependent loans.

For purposes of establishing the general reserve, Bancorp stratifies the loan portfolio into homogeneous groups of loans that possess similar loss potential characteristics and calculates the net amount expected to be collected over the life of the loans to estimate the credit losses in the loan portfolio. Bancorp's methodologies for estimating the ACL on loans consider available relevant information about the collectability of cash flows, including information about past events, current conditions, and reasonable and supportable forecasts.

Accounting for Business Acquisitions – Bancorp accounts for acquisitions in accordance with the acquisition method as outlined in ASC Topic 805, "*Business Combinations*." The acquisition method requires: a) identification of the entity that obtains control of the acquiree; b) determination of the acquisition date; c) recognition and measurement of the identifiable assets acquired and liabilities assumed, and any non-controlling interest in the acquiree; and d) recognition and measurement of goodwill or bargain purchase gain.

Identifiable assets acquired, liabilities assumed, and any non-controlling interest in acquirees are generally recognized at their acquisition-date ("day-one") fair values based on the requirements of ASC Topic 820, "*Fair Value Measurements and Disclosures*." The measurement period for day-one fair values begins on the acquisition date and ends at the earlier of: (a) the day management believes it has all the information necessary to determine day-one fair values; or (b) one year following the acquisition date. In many cases, the determination of day-one fair values requires management to make estimates about discount rates, future expected cash flows, market conditions and other future events that are highly complex and subjective in nature and subject to provisional period adjustments, which are retrospective adjustments to reflect new information existing at the acquisition date affecting day-one fair values. More specifically, these provisional period adjustments may be made, as market value data, such as valuations, are received by the Bank. Increases or decreases to day-one fair values are reflected with a corresponding increase or decrease to bargain purchase gain or goodwill.

Acquisition related costs are expensed as incurred unless those costs are related to issuing debt or equity securities used to finance the acquisition.

Cash Equivalents – Cash and cash equivalents include cash and due from banks, FFS and interest bearing due from banks as segregated in the accompanying consolidated balance sheets.

Debt Securities – Bancorp determines the classification of debt securities at the time of purchase. Debt securities that management has the positive intent and ability to hold to maturity are classified as held to maturity and recorded at amortized cost. Debt securities not classified as held to maturity are classified as AFS and recorded at fair value, with unrealized gains and losses excluded from earnings and reported in AOCI, net of tax. All debt securities were classified as AFS at December 31, 2021 and December 31, 2020.

Gains and losses on the sale of securities are recorded on the trade date and are determined using the specific-identification method. Amortization of premiums and discounts are recognized in interest income over the period to maturity using the interest method, except for premiums on callable debt securities, which are amortized to their earliest call date.

Bancorp has made a policy election to exclude accrued interest from the amortized cost basis of debt securities and reports accrued interest separately in the consolidated balance sheets. A debt security is placed on non-accrual status at the time any principal or interest payments become more than 90 days delinquent or if full collection of interest or principal becomes uncertain. Accrued interest for a security placed on non-accrual is reversed against interest income. There was no accrued interest related to AFS debt securities reversed against interest income for the years ended December 31, 2021 and 2020.

ACL – AFS Debt Securities – For AFS debt securities in an unrealized loss position, Bancorp evaluates the securities to determine whether the decline in the fair value below the amortized cost basis (impairment) is due to credit-related factors or non-credit related factors. Any impairment that is not credit-related is recognized in AOCI, net of tax. Credit-related impairment is recognized as an ACL for AFS debt securities on the balance sheet, limited to the amount by which the amortized cost basis exceeds the fair value, with a corresponding adjustment to earnings. Accrued interest receivable is excluded from the estimate of credit losses. Both the ACL for AFS debt securities and the adjustment to net income may be reversed if conditions change. However, if Bancorp intends to sell an impaired AFS debt security or more likely than not will be required to sell such a security before recovering its amortized cost basis, the entire impairment amount would be recognized in earnings with a corresponding adjustment to the security's amortized cost basis. Because the security's amortized cost basis is adjusted to fair value, there is no ACL for AFS debt securities in this situation.

In evaluating AFS debt securities in unrealized loss positions for impairment and the criteria regarding its intent or requirement to sell such securities, Bancorp considers the extent to which fair value is less than amortized cost, whether the securities are issued by the federal government or its agencies, whether downgrades by bond rating agencies have occurred, and the results of reviews of the issuers' financial condition, among other factors. There were no credit related factors underlying unrealized losses on AFS debt securities at December 31, 2021 and December 31, 2020.

Changes in the ACL for AFS debt securities are recorded as expense. Losses are charged against the ACL for AFS debt securities when management believes the uncollectability of an AFS debt security is confirmed or when either of the criteria regarding intent or requirement to sell is met.

Mortgage Loans Held for Sale – Mortgages originated and intended for sale in the secondary market are recorded at the lower of cost or market value on an individual loan basis, as determined by outstanding commitments from investors.

Loans – Loans that management has the intent and ability to hold for the foreseeable future or until maturity or payoff are reported at amortized cost basis, which is the unpaid principal balance outstanding, net of unearned income, deferred loan fees and costs, premiums and discounts associated with acquisition date fair value adjustments on acquired loans and any direct partial charge-offs. Bancorp has made a policy election to exclude accrued interest from the amortized cost basis of loans and report accrued interest separately from the related loan balance in the consolidated balance sheets.

Interest income is accrued on the unpaid principal balance. Loan origination fees, net of certain direct origination costs, are deferred and recognized in interest income over the life of the loan without anticipating prepayments.

Loans are considered past due or delinquent when the contractual principal and/or interest due in accordance with the terms of the loan agreement or any portion thereof remains unpaid after the due date of the scheduled payment. The accrual of interest income on loans is typically discontinued at the time the loan is 90 days delinquent unless the loan is well-secured and in process of collection, or if full collection of interest or principal becomes doubtful. Consumer loans are typically charged off no later than 120 days past due. All interest accrued but not received for a loan placed on non-accrual is reversed against interest income. Interest received on such loans is accounted for on the cash-basis or cost-recovery method, until qualifying for return to accrual. Under the cost-recovery method, interest income is not recognized until the loan balance is reduced to zero. Under the cash-basis method, interest income is recorded when the payment is received in cash. Loans are returned to accrual status when all the principal and interest amounts contractually due are brought current and future payments are reasonably assured.

Acquired loans are recorded at fair value at the date of acquisition based on a DCF methodology that considers various factors including the type of loan and related collateral, classification status, fixed or variable interest rate, term of loan and whether or not the loan was amortizing, and a discount rate reflecting Bancorp's assessment of risk inherent in the cash flow estimates. Certain larger purchased loans are individually evaluated while certain purchased loans are grouped together according to similar risk characteristics and are treated in aggregate when applying various valuation techniques. These cash flow evaluations are inherently subjective, as they require material estimates, all of which may be susceptible to significant change.

Prior to January 1, 2020, loans acquired in a business combination that had evidence of deterioration of credit quality since origination and for which it was probable, at acquisition, that Bancorp would be unable to collect all contractually required payments receivable were considered PCI. PCI loans were individually evaluated and recorded at fair value at the date of acquisition with no initial ACL based on a DCF methodology that considered various factors including the type of loan and related collateral, classification status, fixed or variable interest rate, term of loan and whether or not the loan was amortizing, and a discount rate reflecting Bancorp's assessment of risk inherent in the cash flow estimates. The difference between the DCFs expected at acquisition and the investment in the loan, or the "accretable yield," was recognized as interest income on a level-yield method over the life of the loan. Contractually required payments for interest and principal that exceed the DCFs expected at acquisition, or the "non-accretable difference," were not recognized on the balance sheet and did not result in any yield adjustments, loss accruals or valuation allowances. Increases in expected cash flows, including prepayments, subsequent to the initial investment were recognized prospectively through adjustment of the yield on the loan over its remaining life. Decreases in expected cash flows were recognized as impairment. ACLs on PCI loans reflected only losses incurred post-acquisition (meaning the PV of all cash flows expected at acquisition that ultimately were not expected to be received).

Subsequent to January 1, 2020, loans acquired in a business combination that have experienced more-than-insignificant deterioration in credit quality since origination are considered PCD loans. At the acquisition date, an estimate of expected credit losses is made for groups of PCD loans with similar risk characteristics and individual PCD loans without similar risk characteristics. This initial ACL is allocated to individual PCD loans and added to the purchase price or acquisition date fair values to establish the initial amortized cost basis of the PCD loans. As the initial ACL is added to the purchase price, there is no credit loss expense recognized upon acquisition of a PCD loan. Any difference between the unpaid principal balance of PCD loans and the amortized cost basis is considered to relate to non-credit factors and results in a discount or premium. Discounts and premiums are recognized through interest income on a level-yield method over the life of the loans.

Acquired loans are determined by Bancorp to have more-than-insignificant deterioration in credit quality since origination if any of the following designations apply, listed in order of priority as follows: Loans individually analyzed by Bancorp and determined to have a collateral or cash flow deficiency resulting in a full or partial allocation for loss, loans placed on non-accrual status by the acquired institution, loans identified as TDRs by the acquired institution, loans that have received a partial charge off by the acquired institution, loans risk-rated below a "pass" grade by the acquired institution and any loans past due 59 days or more at the time of acquisition.

For acquired loans not deemed PCD at acquisition, the differences between the initial fair value and the unpaid principal balance are recognized as interest income over the lives of the related loans. For non-PCD loans, an initial ACL on loans is estimated and recorded as credit loss expense at the acquisition date.

The subsequent measurement of expected credit losses for all acquired loans is the same as the subsequent measurement of expected credit losses for originated loans.

Bancorp adopted ASC 326, "*Financial Instruments – Credit Losses*," effective January 1, 2020 using the modified retrospective approach. Results for the periods subsequent to January 1, 2020 are presented under ASC 326, while prior period amounts continue to be reported in accordance with previously applicable GAAP. Bancorp recorded a net reduction of retained earnings of \$8.8 million upon adoption. The transition adjustment included an increase in the ACL on loans of \$8.2 million and an increase in the ACL for off-balance sheet credit exposures of \$3.5 million, net of the total corresponding DTA increase of \$2.9 million.

Bancorp adopted ASC 326 using the prospective transition approach for loans purchased with PCD that were previously classified as PCI and accounted for under ASC 310-30. In accordance with the standard, management did not reassess whether PCI loans met the criteria of PCD loans as of the adoption date. On January 1, 2020, non-accretable yield marks of \$1.6 million related to formerly classified PCI loans were reclassified between the amortized cost basis of loans and corresponding ACL. The majority of these marks were subsequently charged off in the third quarter of 2020.

The following table summarizes the impact of the adoption of ASC 326 effective January 1, 2020:

(in thousands)	January 1, 2020		
	As reported under ASC 326	Pre-ASC 326 Adoption	Impact of Adoption (1)
Allowance for credit losses on loans:			
Commercial real estate - non-owner occupied	\$ 8,333	\$ 5,235	\$ 3,098
Commercial real estate - owner occupied	6,219	3,327	2,892
Total commercial real estate	14,552	8,562	5,990
Commercial and industrial - term	7,147	6,782	365
Commercial and industrial - line of credit	4,129	5,657	(1,528)
Total commercial and industrial	11,276	12,439	(1,163)
Residential real estate - owner occupied	2,713	1,527	1,186
Residential real estate - non-owner occupied	1,376	947	429
Total residential real estate	4,089	2,474	1,615
Construction and land development	5,161	2,105	3,056
Home equity lines of credit	842	728	114
Consumer	398	100	298
Leases	233	237	(4)
Credit cards	96	146	(50)
Total allowance for credit losses on loans	\$ 36,647	\$ 26,791	\$ 9,856
Total allowance for credit losses on off-balance sheet exposures	\$ 3,850	\$ 350	\$ 3,500

(1) – The impact of the ASC 326 adoption on the ACL on loans reflects \$8.2 million related to the transition from the incurred loss ACL model to the CECL ACL model and \$1.6 million related to the transition from PCI to PCD methodology as defined in the standard.

ACL – Loans – Under the CECL model, the ACL on loans represents a valuation allowance estimated at each balance sheet date in accordance with GAAP that is deducted from the loans' amortized cost basis to represent the net amount expected to be collected on the loan portfolio.

Bancorp estimates the ACL on loans based on the underlying assets' amortized cost basis, which is the amount at which the receivable is originated or acquired, adjusted for applicable accretion or amortization of premium, discount, and net deferred fees or costs, collection of payment, and partial charge-offs. In the event that collection of principal becomes uncertain, Bancorp has policies in place to reverse accrued interest in a timely manner. Therefore, Bancorp has made a policy election to exclude accrued interest from the measurement of the ACL on loans.

Expected credit losses are reflected in the ACL on loans through a charge to provision for credit losses on loans. When Bancorp deems all or a portion of a financial asset to be uncollectible, the appropriate amount is written-off and the ACL on loans is reduced by the same amount. Bancorp applies judgment to determine when a financial asset is deemed uncollectible; however, generally speaking, an asset will be considered uncollectible no later than when all efforts of collection have been exhausted and the collateral, if any, has been liquidated. Subsequent recoveries, if any, are credited to the ACL on loans when received.

Bancorp's methodologies for estimating the ACL on loans consider available relevant information about the collectability of cash flows, including information about past events, current conditions and reasonable and supportable forecasts. The methodologies apply historical loss information, adjusted for asset-specific characteristics, economic conditions at the measurement date, and forecasts about future economic conditions expected to exist through the contractual lives of the financial assets that are reasonable and supportable to the identified pools of financial assets with similar risk characteristics for which the historical loss experience was observed. Bancorp's methodologies may revert to historical loss information on a straight-line basis over a number of quarters when it can no longer develop reasonable and supportable forecasts.

Loans are predominantly segmented by FDIC Call Report Codes into loan pools that have similar risk characteristics, similar collateral type and are assumed to pose consistent risk of loss to Bancorp. Bancorp has identified the following pools of financial assets with similar risk characteristics for measuring expected credit losses:

Commercial Real Estate – Owner Occupied – Includes non-farm non-residential real estate loans for a variety of commercial property types and purposes, and is typically secured by commercial offices, industrial buildings, warehouses or retail buildings where the owner of the building occupies the property. The primary source of repayment is the cash flow from the ongoing operations and activities conducted by the party (or affiliate) who owns the property. Repayment terms vary considerably; interest rates are fixed or variable and structured for full or partial amortization of principal.

Commercial Real Estate – Non-Owner Occupied – Includes investment real estate loans secured by similar collateral as above. The primary source of income for this loan type is typically rental income associated with the property. This category also includes apartment or multifamily residential buildings (secured by five or more dwelling units).

Construction and Land Development – Consists of loans to finance the ground up construction or improvement of owner occupied and non-owner occupied residential and commercial properties and loans secured by raw or improved land. The repayment of C&D loans is generally dependent upon the successful completion of the improvements by the builder for the end user, the leasing of the property, or sale of the property to a third party. Repayment of land secured loans is dependent upon the successful development and sale of the property, the sale of the land as is, or the outside cash flow of the owners to support the retirement of the debt. Bancorp's construction loans may convert to real estate-secured loans once construction is completed or principal amortization payments begin, assuming the borrower retains financing with the Bank.

Commercial and Industrial – Represents loans for C&I purposes to sole proprietorships, partnerships, corporations and other business enterprises, whether secured (other than those that meet the definition of a "loan secured by real estate") or unsecured, single payment or installment. This category includes loans originated for financing capital expenditures, loans secured by accounts receivable, inventory and other business assets such as equipment, non-real estate related construction loans in addition to non-real estate loans guaranteed by the SBA. Bancorp originates these loans for a variety of purposes across various industries. This portfolio has been segregated between term loans and revolving lines of credits based on the varied characteristics of these individual loan structures.

Residential Real Estate – Includes non-revolving (closed-end) first and junior lien loans secured by residential real estate primarily in Bancorp's market areas. This portfolio is segregated between owner occupied and non-owner occupied status, as the investment nature of the latter poses additional credit risks to Bancorp.

Home Equity Lines of Credit – Similar to the above, however these are revolving (open-ended) lines of credit.

Consumer – Represents loans to individuals for personal expenditures that may be secured or unsecured. This includes pre-arranged overdraft plans, secured automobile loans and other consumer-purpose loans.

Leases – Represents a variety of leasing options to businesses to acquire equipment.

Credit Cards – Represents revolving loans to businesses and consumers.

Bancorp measures expected credit losses for its loan portfolio segments as follows:

Loan Portfolio Segment	ACL Methodology
Commercial real estate - non-owner occupied	Discounted cash flow
Commercial real estate - owner occupied	Discounted cash flow
Commercial and industrial - term	Static pool
Commercial and industrial - line of credit	Static pool
Residential real estate - owner occupied	Discounted cash flow
Residential real estate - non-owner occupied	Discounted cash flow
Construction and land development	Static pool
Home equity lines of credit	Static pool
Consumer	Static pool
Leases	Static pool
Credit cards	Static pool

Based on the 100% SBA guarantee of the PPP loan portfolio, Bancorp does not generally reserve for potential losses for these loans within the ACL.

Discounted Cash flow Method – The DCF methodology is used to develop cash flow projections at the instrument level wherein payment expectations are adjusted for estimated prepayment speeds, curtailments, time to recovery, probability of default and loss given default. The modeling of expected prepayment speeds, curtailment rates and time to recovery are based on historical internal data.

Bancorp uses regression analysis on historical internal and peer data to determine suitable loss drivers to utilize when modeling lifetime probability of default and loss given default. This analysis also determines how expected probability of default and loss given default will react to forecasted levels of the loss drivers. For all loan pools utilizing the DCF method, management utilizes the FRB's forecasted Seasonally Adjusted National Civilian Unemployment Rate as its primary loss driver, as this was determined to best correlate to historical losses.

With regard to the DCF model and the adoption of CECL effective January 1, 2020, management determined that four quarters represented a reasonable and supportable forecast period with reversion back to a historical loss rate over eight quarters on a straight-line basis. However, in response to uncertainty surrounding the magnitude and duration of the economic crisis created by the pandemic, management subsequently determined that a one-quarter forecast period with a reversion back to a historical loss rate in the following quarter was appropriate for the calculation performed at March 31, 2020. For the calculation performed at June 30, 2020, management elected to return to the four quarter forecast period with reversion back to a historical loss rate in the following quarter, which was the methodology used for all subsequent calculations through June 30, 2021. Beginning with the calculation performed as of September 30, 2021, management concluded that increasing the reversion period back to a historical loss rate over four quarters on a straight line basis was warranted, as both current and forecasted unemployment levels have normalized.

The combination of adjustments for credit expectations (default and loss) and timing expectations (prepayment, curtailment, and time to recovery) produces an expected cash flow stream at the instrument level. Instrument effective yield is calculated, net of the impacts of prepayment assumptions, and the instrument expected cash flows are then discounted at that effective yield to produce an instrument-level NPV of expected cash flows. An ACL is established for the difference between the instrument's NPV and amortized cost basis.

Static Pool Method – The static pool methodology is utilized for the loan portfolio segments that typically have shorter durations. For each of these loan segments, Bancorp applies an expected loss ratio based on historical losses adjusted as appropriate for qualitative loss factors. Qualitative loss factors are based on management's judgment of company, market, industry or business specific data, changes in underlying loan composition of specific portfolios, trends relating to credit quality, delinquency, non-performing and adversely rated loans and reasonable and supportable forecasts of economic conditions.

Collateral Dependent Loans – Loans that do not share risk characteristics are evaluated on an individual basis. For collateral dependent loans where Bancorp has determined that the liquidation or foreclosure of the collateral is probable, or where the borrower is experiencing financial difficulty and Bancorp expects repayment of the financial asset to be provided substantially through the operation of the business or sale of the collateral, the ACL is measured based on the difference between the estimated fair value of the collateral and the amortized cost basis of the asset as of the measurement date. When repayment is expected to be from the operation of the collateral, expected credit losses are calculated as the amount by which the amortized cost basis of the financial asset exceeds the NPV of expected cash flows from the operation of the collateral. When repayment is expected to be from the sale of the collateral, expected credit losses are calculated as the amount by which the amortized costs basis of the financial asset exceeds the fair value of the underlying collateral less estimated cost to sell. The ACL may be zero if the fair value of the collateral at the measurement date exceeds the amortized cost basis of loan. Bancorp's estimate of the ACL reflects losses expected over the remaining contractual life of the loan and the contractual term does not consider extensions, renewals or modifications.

A loan that has been modified or renewed is considered a TDR when two conditions are met: 1) the borrower is experiencing financial difficulty and 2) concessions are made for the borrower's benefit that would not otherwise be considered for a borrower or transaction with similar credit risk characteristics. TDRs are evaluated individually to determine the required ACL. TDRs performing in accordance with their modified contractual terms for a reasonable period may be included in Bancorp's existing pools based on the underlying risk characteristics of the loan to measure the ACL.

In March 2020, the CARES Act was signed into law. Section 4013 of the CARES Act, "*Temporary Relief from Troubled Debt Restructurings*," provides banks the option to temporarily suspend certain requirements under U.S. GAAP related to TDRs for a limited period of time to account for the effects of COVID-19. To qualify for Section 4013 of the CARES Act, borrowers must have been current at December 31, 2019. All modifications were originally eligible as long as they were executed between March 1, 2020 and the earlier of (i) December 31, 2020 or (ii) the 60th day after the end of the COVID-19 national emergency as declared by the President of the United States. The Consolidated Appropriations Act, which was signed into law on December 27, 2020, extended this provision to the earlier of (1) 60 days after the national emergency termination date or (2) January 1, 2022. Multiple modifications of the same credits are allowed and there is no cap on the duration of the modification. The impact of such activity is discussed in the section of this document titled, "*Management's Discussion and Analysis of Financial Condition and Results of Operations*."

Premises and Equipment – Premises and equipment are carried at cost, less accumulated depreciation and amortization. Depreciation of premises and equipment is computed using straight-line methods over the estimated useful lives of the assets ranging from three to 40 years. Leasehold improvements are amortized on the straight-line method over terms of the related leases, including expected renewals, or over the useful lives of the improvements, whichever is shorter. Maintenance and repairs are expensed as incurred while major additions and improvements are capitalized.

FHLB Stock – Bancorp is a member institution of the FHLB. Members are required to own a certain amount of stock based on the level of borrowings and other factors and may invest in additional amounts of stock. FHLB stock is carried at cost, classified as a restricted security and annually evaluated for impairment. Because this stock is viewed as a long-term investment, impairment is based on ultimate recovery of par value. Both cash and stock dividends are recorded as interest income.

Goodwill and Other Intangible Assets – Goodwill resulting from business acquisitions represents the excess of the fair value of the consideration transferred, plus the fair value of any non-controlling interests in the acquiree, over the fair value of the net assets assumed as of the acquisition date. Goodwill and intangible assets acquired in a purchase business combination and determined to have an indefinite useful life are not amortized, but tested annually for impairment or more frequently if events and circumstances exist that indicate a goodwill impairment test should be performed.

Bancorp has selected September 30 as the date to perform its annual goodwill impairment test. Intangible assets with definite useful lives are amortized over their estimated useful lives to their estimated residual values. Goodwill is the only intangible asset with an indefinite life on the Bank's balance sheet.

Currently, all goodwill is attributable to the Commercial Banking segment. Goodwill related to the KSB acquisition is deductible for tax purposes, as it was structured as an asset sale/338 election. Goodwill related to the KB acquisition is not deductible for tax purposes, as it was structured as stock sale. Based on its assessment, Bancorp believes its goodwill balances at December 31, 2021 and December 31, 2020 were not impaired and is properly recorded in the consolidated financial statements.

Other intangible assets consist of CDI assets arising from business acquisitions. CDI assets are initially measured at fair value and then amortized on an accelerated method over their estimated useful lives.

Other Assets – BOLI and other life insurance policies are carried at net realizable value, which considers applicable surrender charges. Also, Bancorp maintains life insurance policies in conjunction with its non-qualified defined benefit and non-qualified compensation plans.

OREO is carried at the lower of cost or estimated fair value minus estimated selling costs. In certain situations, improvements to prepare assets for sale are capitalized if those costs increase the estimated fair value of the asset. Expenses incurred in maintaining assets, write downs to reflect subsequent declines in value, and realized gains or losses are reflected in the results of operations and are included in non-interest income and/or expense.

MSRs are initially recorded at fair value and amortized in proportion to, and over the period of, estimated net servicing income, considering appropriate prepayment assumptions and are evaluated quarterly for impairment by comparing the carrying value to fair value.

Off-Balance Sheet Credit Exposures – Financial instruments include off-balance sheet credit instruments, such as commitments to originate loans, commitments to fund existing loans and commercial letters of credit issued to meet customer-financing needs. Off-balance sheet refers to assets or liabilities that do not appear on a company's balance sheet. Bancorp's exposure to credit loss in the event of non-performance by the other party to the financial instrument for off-balance sheet loan commitments is represented by the contractual amount of those instruments. Such financial instruments are recorded when they are funded.

Bancorp records an ACL for off-balance sheet credit exposures, unless the commitments to extend credit are unconditionally cancelable, through a charge to credit loss expense for off-balance sheet credit exposures included in provision for credit losses for off-balance sheet credit exposures on Bancorp's consolidated statements of income. The ACL for off-balance sheet credit exposures is estimated by loan portfolio segment at each balance sheet date under the current CECL model using the same methodologies as portfolio loans, taking into consideration the likelihood that funding will occur and is included in other liabilities on Bancorp's consolidated balance sheets.

Derivatives – Bancorp uses derivative financial instruments, including interest rate swaps, as part of its interest rate risk management. GAAP establishes accounting and reporting standards for derivative instruments and hedging activities. As required by GAAP, Bancorp's interest rate swaps are recognized as other assets and liabilities in the consolidated balance sheet at fair value. Accounting for changes in fair value of derivatives depends on the intended use of the derivative and the resulting designation. Derivatives used to hedge exposure to variability in expected future cash flows, or other types of forecasted transactions, are considered cash flow hedges. To qualify for hedge accounting, Bancorp must comply with detailed rules and documentation requirements at inception of the hedge, and hedge effectiveness is assessed at inception and periodically throughout the life of each hedging relationship. Hedge ineffectiveness, if any, is measured periodically throughout the life of the hedging relationship.

For derivatives designated as cash flow hedges, the effective portion of changes in fair value of the derivative is initially reported in OCI and subsequently reclassified to interest income or expense when the hedged transaction affects earnings, while the ineffective portion of changes in fair value of derivative, if any, is recognized immediately in other noninterest income. Bancorp assesses the effectiveness of each hedging relationship by comparing cumulative changes in cash flows of the derivative hedging instrument with cumulative changes in cash flows of the designated hedged item or transaction. No component of the change in the fair value of the hedging instrument is excluded from the assessment of hedge effectiveness.

Periodically, Bancorp enters into an interest rate swap transaction with a borrower, who desires to hedge exposure to rising interest rates, while at the same time entering into an offsetting interest rate swap, with substantially matching terms, with another approved independent counterparty. Because of matching terms of offsetting contracts and collateral provisions mitigating any non-performance risk, changes in fair value subsequent to initial recognition have an insignificant effect on earnings. Because these derivative instruments have not been designated as hedging instruments, the derivative instruments are recognized on the consolidated balance sheet at fair value, with changes in fair value, due to changes in prevailing interest rates, recorded in other noninterest income.

Bancorp had no fair value hedging relationships at December 31, 2021 and December 31, 2020. Bancorp does not use derivatives for trading or speculative purposes. See the Footnote titled “*Derivative Financial Instruments*” for additional discussion.

Transfers of Financial Assets – Transfers of financial assets are accounted for as sales when control over the assets has been relinquished. Control over transferred assets is deemed to be surrendered when the assets have been isolated from Bancorp, the transferee obtains the right (free of conditions that constrain it from taking advantage of that right) to pledge or exchange the transferred assets and Bancorp does not maintain effective control over the transferred assets through an agreement to repurchase them before their maturity.

Stock-Based Compensation – For all awards, stock-based compensation expense is recognized over the period in which it is earned based on the grant-date fair value of the portion of stock-based payment awards that are ultimately expected to vest, reduced for estimated forfeitures at the time of grant. GAAP requires forfeitures to be estimated at the time of grant and revised, if necessary, in subsequent periods if actual forfeitures differ from those estimates.

Income Taxes – Income tax expense is the total of the current year income tax due or refundable and the change in DTAs and DTLs. DTAs and DTLs are the expected future tax amounts for the temporary differences between carrying amounts and tax bases of assets and liabilities, computed using enacted statutory tax rates. A valuation allowance, if needed, reduces DTAs to the amount expected to be realized.

A tax position is recognized as a benefit only if it is “more-likely-than-not” that the tax position would be sustained in a tax examination, with a tax examination being presumed to occur. The amount recognized is the largest amount of tax benefit that is greater than 50% likely of being realized upon examination. For tax positions not meeting the “more-likely-than-not” test, no tax benefit is recorded.

Bancorp recognizes interest and/or penalties related to income tax matters in income tax expense, if any.

Bancorp periodically invests in certain partnerships with customers that yield historic tax credits, accounted for using the flow through method, which approximates the equity method. Also, low-income housing tax credits, as well as tax-deductible losses, are accounted for using the effective yield method for older transactions or proportional amortization method for more recent transactions. The tax benefit of these investments exceeds the amortization expense associated with them, resulting in a positive impact on net income.

Net Income Per Share – Basic net income per common share is determined by dividing net income by the weighted average number of shares of common stock outstanding. Diluted net income per share is determined by dividing net income by the weighted average number of shares of common stock outstanding plus the weighted average number of shares that would be issued upon exercise of dilutive options and SARs, assuming proceeds are used to repurchase shares under the treasury stock method.

Comprehensive Income – Comprehensive income is defined as the change in equity (net assets) of a business enterprise during a period from transactions and other events and circumstances from non-owner sources. For Bancorp, this includes net income, changes in unrealized gains and losses on AFS debt securities and cash flow hedging instruments, net of reclassification adjustments and taxes, and minimum pension liability adjustments, net of taxes.

Loss Contingencies – Loss contingencies, including claims and legal actions arising in the ordinary course of business, are recorded as liabilities when the likelihood of loss is probable, and an amount or range of loss can be reasonably estimated. Management does not believe there are any outstanding matters that would have a material effect on the financial statements.

Restrictions on Cash and Cash Equivalents – Bancorp has historically been required by the FRB to maintain average reserve balances. Effective March 26, 2020, the FRB reduced the reserve requirement ratio to 0% in response to the COVID-19 pandemic, eliminating reserve requirements for all depository institutions. The reserve requirement ratio remained at 0% as of December 31, 2021.

The Company's insurance captive maintains cash reserves to cover insurable claims. Reserves maintained a minimum reserve of \$200,000 as of December 31, 2021.

Dividend Restriction – Banking regulations require maintaining certain capital levels and may limit the dividends paid by the Bank to the Holding Company or by the Holding Company to shareholders.

Fair Value of Financial Instruments – Fair values of financial instruments are estimated using relevant market information and other assumptions, as disclosed in the Footnote titled “*Assets and Liabilities Measured and Reported at Fair Value*” in this section of the filing. Fair value estimates involve uncertainties and matters of significant judgment regarding interest rates, credit risk, prepayments, and other factors, especially in the absence of broad markets for particular items. Changes in assumptions or in market conditions could significantly affect such estimates.

Revenue from Contracts with Customers – The majority of Bancorp's revenue comes from interest income and other sources, including loans, leases, securities, and derivatives, which are not subject to ASC 606. Bancorp's services that fall within the scope of ASC 606 are presented within non-interest income and are recognized as revenue as Bancorp satisfies its obligation to its customer.

Segment Information – Bancorp provides a broad range of financial services to individuals, corporations and others through its full service banking locations. These services include loan and deposit services, cash management services, securities brokerage activities, mortgage origination and WM&T activities. Bancorp's operations are considered by management to be aggregated in two reportable operating segments: Commercial Banking and WM&T.

Reclassifications – Certain amounts presented in prior periods have been reclassified to conform to the current period presentation. These reclassifications had no impact on previously reported prior periods' net income or shareholders' equity.

Adoption of New Accounting Guidance – The FASB issued ASU No. 2020-04, Reference Rate Reform (Topic 848): “*Facilitation of the Effects of Reference Rate Reform on Financial Reporting*,” in March 2020. The amendments in this update provide optional guidance for a limited period to ease the potential burden in accounting for (or recognizing the effects of) reference rate reform on financial reporting. It provides optional expedients and exceptions for applying GAAP to contracts, hedging relationships, and other transactions affected by reference rate reform. The main provisions include:

- A change in a contract's reference interest rate would be accounted for as a continuation of that contract rather than as the creation of a new one for contracts, including loans, debt, leases and other arrangements, that meet specific criteria.
- When updating its hedging strategies in response to reference rate reform, an entity would be allowed to preserve its hedge accounting.

The guidance is applicable only to contracts or hedge accounting relationships that reference LIBOR or another reference rate expected to be discontinued. Because the guidance is meant to help entities through the transition period, it will be in effect for a limited time and will not apply to contract modifications made and hedging relationships entered into or evaluated after December 31, 2022, except for hedging relationships existing as of December 31, 2022, for which an entity has elected certain optional expedients that are retained through the end of the hedging relationship. The amendments in this ASU are effective March 12, 2020 through December 31, 2022.

In October 2020, the FASB issued ASU No. 2020-10, *Codification Improvements*. The amendments improve codification by having all disclosure-related guidance available in the disclosure sections of the codification. Prior to this ASU, various disclosure requirements or options to present information on the face of the financial statements or as a note to the financial statements were not included in the appropriate disclosure sections of the codification. The codification improvements also contain various other minor amendments to codification that are not expected to have a significant effect on current accounting practice. The amendments became effective for annual periods beginning after December 15, 2020.

In May 2020, the SEC issued a final rule related to acquisitions and dispositions of businesses and related pro forma information. The rule revised the circumstances that require financial statements and related pro forma information for acquisitions and dispositions of businesses. The intent of the rule is to allow for more meaningful conclusions on when an acquired or disposed business is significant as well as to improve the related disclosure requirements. The changes are intended to improve disclosure. The final rule was effective January 1, 2021.

Accounting Standards Updates – Generally, if an issued but not yet effective ASU with an expected immaterial impact to Bancorp has been disclosed in prior SEC filings, it will not be re-disclosed.

In April 2019, the FASB issued ASU No. 2019-04, “*Codification Improvements to Financial Instruments - Credit Losses (ASC 326), Derivatives and Hedging (ASC 815), and Financial Instruments (ASC 825)*.” The amendments in the ASU improve the Codification by eliminating inconsistencies and providing clarifications. The amended guidance in this ASU related to the credit losses will be effective for Bancorp’s for fiscal years and interim periods beginning after December 15, 2022. Bancorp is currently evaluating the impact of the ASU on the Company’s consolidated financial statements.

In August 2021, the FASB issued ASU 2021-06, *Presentation of Financial Statements (Topic 205), Financial Services – Depository and Lending (Topic 942), and Financial Services – Investment Companies (Topic 946): Amendments to SEC Paragraphs Pursuant to SEC Final Rule Releases No. 33-10786, Amendments to Financial Disclosures about Acquired and Disposed Businesses, and No. 33-10835, Update of Statistical Disclosures for Bank and Savings and Loan Registrants*. This ASU incorporates recent SEC rule changes into the FASB Codification, including SEC Final Rule Releases No. 33-10786, *Amendments to Financial Disclosures about Acquired and Disposed Businesses*, and No. 33-10835, *Update of Statistical Disclosures for Bank and Savings and Loan Registrants*. The amendments in this update are effective upon addition to the FASB Codification and will not have a material impact on the consolidated financial statements.

In October 2021, the FASB issued ASU 2021-08, *Business Combinations (Topic 805): Accounting for Contract Assets and Contract Liabilities From Contracts With Customers*, to address diversity in practice and inconsistency related to the accounting for revenue contracts with customers acquired in a business combination. The amendments require that the acquirer recognize and measure contract assets and contract liabilities acquired in a business combination in accordance with Topic 606. At the acquisition date, an acquirer should account for the related revenue contracts in accordance with Topic 606 as if it had originated the contracts. The ASU also provides certain practical expedients for acquirers when recognizing and measuring acquired contract assets and contract liabilities from revenue contracts in a business combination and applies to contract assets and contract liabilities from other contracts to which the provisions of Topic 606 apply. The amendments in this update are effective for fiscal years beginning after December 15, 2022, and interim periods within those fiscal years. Entities should apply the amendments prospectively to business combinations that occur after the effective date. Early adoption is permitted, including any interim period, for public business entities for periods which financial statements have not yet been issued, and for all other entities for periods for which financial statements have not yet been made available for issuance. The new guidance will not have a material impact on the consolidated financial statements.

(2) Cash and Due from Banks

At December 31, 2021 and 2020, Bancorp’s interest-bearing cash accounts and non-interest bearing deposits held at other financial institutions exceeded the \$250,000 federally insured limits by approximately \$92 million and \$86 million, respectively. Each correspondent bank’s financial performance and market rating are reviewed on a quarterly basis to ensure Bancorp maintains deposits only at highly rated institutions, providing minimal risk for those exceeding federally insured limits. Bancorp had approximately \$811 million and \$189 million held cumulatively at the FRB and FHLB as of December 31, 2021 and December 31, 2020, which are government-sponsored entities not insured by the FDIC. The vast majority of these balances were held at the FRB. Bancorp has historically been required to maintain an average reserve balance in cash or with the FRB relating to customer deposits. However, effective March 26, 2020, the FRB reduced the requirement ratio to 0% in response to the COVID-19 pandemic, eliminating the reserve requirements for all depository institutions. The reserve requirement remained at 0% as of December 31, 2021.

(3) Acquisition

On May 31, 2021, Bancorp completed its acquisition of Kentucky Bancshares, Inc. in a combined stock and cash transaction for total consideration of \$233 million. Bancorp acquired 19 branches in 11 communities throughout central and eastern Kentucky, including the Lexington, Kentucky MSA and contiguous counties and also acquired a captive insurance subsidiary.

The following table provides a summary of the fair value of the assets acquired and liabilities assumed by Bancorp as of the acquisition date. As provided for under GAAP, management has up to 12 months following the date of acquisition to finalize the fair values of the acquired assets and assumed liabilities. The preliminary fair value adjustments and the preliminary fair values shown in the following table continue to be evaluated by management and may be subjected to further adjustment through May 31, 2022.

	As Recorded	Fair Value	Provisional	As Recorded
(in thousands)	By KB	Adjustments	Period	by Bancorp
		(1)	Adjustments (1)	
Assets acquired:				
Cash and due from banks	\$ 53,257	\$ —	\$ —	\$ 53,257
Mortgage loans held for sale	3,071	—	—	3,071
Available for sale debt securities	396,157	(295) a	—	395,862
Federal Home Loan Bank stock, at cost	7,072	—	—	7,072
Loans	755,932	(757) b	—	755,175
Allowance for credit losses on loans	(9,491)	2,734 c	—	(6,757)
Net loans	746,441	1,977	—	748,418
Premises and equipment, net	27,401	(6,361) d	—	21,040
Bank owned life insurance	18,909	—	—	18,909
Accrued interest receivable	4,939	—	—	4,939
Goodwill	14,001	(14,001) e	—	—
Core deposit intangible	—	3,404 f	999 f	4,403
Other real estate owned	674	(123) g	—	551
Mortgage servicing rights	1,628	34 h	—	1,662
Deferred income taxes, net	1,856	715 i	(230) i	2,341
Other assets	6,421	(1,866) j	(70) j	4,485
Total assets acquired	\$ 1,281,827	\$ (16,516)	\$ 699	\$ 1,266,010
Liabilities assumed:				
Deposits:				
Non-interest bearing	\$ 359,544	\$ —	\$ —	\$ 359,544
Interest bearing	678,528	1,146 k	—	679,674
Total deposits	1,038,072	1,146	—	1,039,218
Securities sold under agreements to repurchase	11,360	—	—	11,360
Federal Home Loan Bank advances	88,581	2,490 l	—	91,071
Accrued interest payable	505	—	—	505
Other liabilities	16,231	(2,004) m	—	14,227
Total liabilities assumed	1,154,749	1,632	—	1,156,381
Net assets acquired	\$ 127,078	\$ (18,148)	\$ 699	\$ 109,629
Consideration for common stock				\$ 204,670
Cash consideration paid				28,276
Total consideration				\$ 232,946
Goodwill				\$ 123,317

(1) See the following page for explanations or individual fair value and provisional period adjustments.

Explanation of fair value adjustments

- a. Adjustment based on Bancorp's evaluation of the acquired investment portfolio. Bancorp sold approximately \$91 million in AFS debt securities shortly after acquisition.
- b. Adjustments to loans to reflect estimated fair value adjustments, including the following:

(in thousands)

Fair value adjustment - acquired non PCD loans	\$	228
Fair value adjustment - acquired PCD loans		(735)
Eliminate unrecognized loan fees on acquired loans and fair value hedge		(250)
Net loan fair value adjustments	\$	(757)

- c. The net adjustment to allowance for credit losses includes the following:

(in thousands)

Reversal of historical KB allowance for credit losses on loans	\$	9,491
Estimate of lifetime credit losses for PCD loans		(6,757)
Net change in allowance for credit losses	\$	2,734

- d. Adjustment to premises and equipment to reflect the estimated fair value of acquired premises and equipment and right of use assets.
- e. Elimination of the historical KB goodwill of \$14.0 million at the closing date.
- f. Calculation of CDI related to the acquisition. During the third quarter of 2021, a provisional period adjustment of \$999,000 was recorded based on revised inputs used in the CDI calculation of the CDI attributed to KB.
- g. Adjustment to reflect the estimated fair value of OREO.
- h. Adjustment to reflect the estimated fair value of MSR.
- i. Adjustment to net deferred tax assets associated with the effects of the purchase accounting adjustments.
- j. Adjustment to other assets to reflect the estimated fair value of prepaid and other assets. During the third quarter of 2021, a provisional period adjustment of \$70,000 was recorded for the write off of miscellaneous mortgage servicing fees.
- k. Adjustment to deposits to reflect the estimated fair value of time deposits in interest rates, which was based primarily on an analysis of current market interest rates and maturity dates.
- l. Adjustment to reflect the estimated fair value of FHLB advances for differences in interest rates, which was based primarily on an analysis of current market interest rates and maturity dates.
- m. Adjustment to other liabilities to establish the reserve for unfunded loan commitments under CECL and various accrual adjustments.

Goodwill of approximately \$123 million, which is the excess of the acquisition consideration over the fair value of net assets acquired, was recorded in the KB acquisition and is the result of expected operational synergies and other factors. This goodwill is all attributable to the Company's Commercial Banking segment. Goodwill related to the KB acquisition is not deductible for tax purposes, as it was structured as a stock sale. To the extent that management revises any of the fair value adjustments as a result of its continuing evaluation within the first twelve months post-acquisition, the amount of goodwill recorded in the KB acquisition may change.

Receivables acquired that were not subject to guidance relating to purchased credit deteriorated (PCD) loans include loans with a fair value and gross contractual amounts receivable of \$723.5 million and \$723.3 million at the date of acquisition.

Total revenue, defined as net interest income and non-interest income, attributed to KB totaled \$27.0 million for the year ended December 31, 2021.

The following unaudited pro forma condensed combined financial information presents the results of operations of Bancorp, including the effects of the purchase accounting adjustments and acquisition expenses, had the KB acquisition taken place at the beginning of the period:

(in thousands)

Years ended December 31,	2021	2020
Net interest income	\$ 185,708	\$ 172,119
Provision for credit losses (1)	(7,967)	20,193
Non-interest income	72,308	67,874
Non-interest expense (2)	140,508	139,890
Income before taxes	125,475	79,910
Income tax expense	26,406	9,752
Net income	<u>\$ 99,069</u>	<u>\$ 70,158</u>
Earnings per share		
Basic	\$ 3.74	\$ 2.66
Diluted	3.70	2.64
Basic weighted average shares outstanding	26,522	26,366
Diluted weighted average shares outstanding	26,780	26,571

(1) - Excludes \$7.4 million in merger related credit loss expense for the year ended December 31, 2021.

(2) - Excludes \$18.1 million in pre-tax merger expenses for the year ended December 31, 2021.

(4) Available for Sale Debt Securities

All of Bancorp's securities are classified as AFS. Amortized cost, unrealized gains and losses, and fair value of these securities follow:

<i>(in thousands)</i>				
December 31, 2021	Amortized cost	Unrealized		Fair value
		Gains	Losses	
U.S. Treasury and other U.S Government obligations	\$ 123,753	\$ —	\$ (1,252)	\$ 122,501
Government sponsored enterprise obligations	132,760	2,497	(236)	135,021
Mortgage backed securities - government agencies	857,283	2,495	(13,154)	846,624
Obligations of states and political subdivisions	75,488	289	(702)	75,075
Other	1,095	—	(18)	1,077
Total available for sale debt securities	<u>\$ 1,190,379</u>	<u>\$ 5,281</u>	<u>\$ (15,362)</u>	<u>\$ 1,180,298</u>
December 31, 2020				
Government sponsored enterprise obligations	\$ 133,436	\$ 5,003	\$ (361)	\$ 138,078
Mortgage backed securities - government agencies	430,198	7,555	(168)	437,585
Obligations of states and political subdivisions	11,088	227	—	11,315
Total available for sale debt securities	<u>\$ 574,722</u>	<u>\$ 12,785</u>	<u>\$ (529)</u>	<u>\$ 586,978</u>

At December 31, 2021 and 2020, there were no holdings of debt securities of any one issuer, other than the U.S. government and its agencies, in an amount greater than 10% of stockholders' equity.

Accrued interest on AFS debt securities totaled \$3 million and \$2 million at December 31, 2021 and December 31, 2020, respectively, and was included in the consolidated balance sheets.

AFS debt securities totaling \$396 million were acquired on May 31, 2021 as a result of the KB acquisition. Shortly after acquisition, 86 securities with a total fair value of \$91 million were sold, resulting in a loss on the sale \$295,000, which was recorded as a fair value adjustment through goodwill during the second quarter of 2021. There were no gains or losses on sales or calls of securities for the year ended December 31, 2020. For the year ended December 31, 2019, securities acquired from KSB, which totaled \$12 million, were sold immediately following the acquisition with no gain or loss realized on the income statement.

A summary of AFS debt securities by contractual maturity follows:

<i>(in thousands)</i>	Amortized cost	Fair value
Due within one year	\$ 5,515	\$ 5,518
Due after one year but within five years	140,777	139,541
Due after five years but within 10 years	28,762	28,640
Due after 10 years	158,042	159,975
Mortgage backed securities - government agencies	857,283	846,624
Total available for sale debt securities	<u>\$ 1,190,379</u>	<u>\$ 1,180,298</u>

Actual maturities may differ from contractual maturities because some issuers have the right to call or prepay obligations with or without prepayment penalties. The investment portfolio includes MBSs, which are guaranteed by agencies such as FHLMC, FNMA and GNMA. These securities differ from traditional debt securities primarily in that they may have uncertain principal payment dates and are priced based on estimated prepayment rates on the underlying collateral.

Securities with a carrying value of \$879 million and \$505 million were pledged at December 31, 2021 and 2020, respectively, to secure accounts of commercial depositors in cash management accounts, public deposits and uninsured cash balances for WM&T accounts. The large increase over prior year was attributed to deposit accounts added as a result of the expansion into the Central Kentucky market.

Securities with unrealized losses at December 31, 2021 and 2020, aggregated by investment category and length of time securities have been in a continuous unrealized loss position follows:

(in thousands)	Less than twelve months		Twelve months or more		Total	
	Fair value	Unrealized losses	Fair value	Unrealized losses	Fair value	Unrealized losses
December 31, 2021						
U.S. Treasury and other U.S. Government obligations	\$ 122,501	\$ (1,252)	\$ -	\$ -	\$ 122,501	\$ (1,252)
Government sponsored enterprise obligations	23,789	(223)	447	(13)	24,236	(236)
Mortgage-backed securities - government agencies	615,130	(10,027)	102,637	(3,127)	717,767	(13,154)
Obligations of states and political subdivisions	46,493	(686)	484	(16)	46,977	(702)
Other securities	957	(18)	-	-	957	(18)
Total	\$ 808,870	\$ (12,206)	\$ 103,568	\$ (3,156)	\$ 912,438	\$ (15,362)
December 31, 2020						
Government sponsored enterprise obligations	\$ 10,404	\$ (112)	\$ 24,398	\$ (249)	\$ 34,802	\$ (361)
Mortgage-backed securities - government agencies	68,033	(167)	921	(1)	68,954	(168)
Total	\$ 78,437	\$ (279)	\$ 25,319	\$ (250)	\$ 103,756	\$ (529)

Applicable dates for determining when securities are in an unrealized loss position are December 31, 2021 and 2020, respectively. As such, it is possible that a security had a market value lower than its amortized cost on other days during the past twelve months, but is not in the “Less than twelve months” category above.

For AFS debt securities in an unrealized loss position, Bancorp evaluates the securities to determine whether the decline in the fair value below the amortized cost basis (impairment) is due to credit-related factors or non-credit related factors. Any impairment that is not credit-related is recognized in AOCI, net of tax. Credit-related impairment is recognized as an ACL on AFS debt securities on the balance sheet, limited to the amount by which the amortized cost basis exceeds the fair value, with a corresponding adjustment to earnings. Accrued interest receivable is excluded from the estimate of credit losses. Both the ACL and the adjustment to net income may be reversed if conditions change. However, if Bancorp intends to sell an impaired AFS debt security or more likely than not will be required to sell such a security before recovering its amortized cost basis, the entire impairment amount would be recognized in earnings with a corresponding adjustment to the security’s amortized cost basis. Because the security’s amortized cost basis is adjusted to fair value, there is no ACL in this situation.

In evaluating AFS debt securities in unrealized loss positions for impairment and the criteria regarding its intent or requirement to sell such securities, Bancorp considers the extent to which fair value is less than amortized cost, whether the securities are issued by the federal government or its agencies, whether downgrades by bond rating agencies have occurred, and the results of reviews of the issuers’ financial condition, among other factors. Unrealized losses on Bancorp’s investment securities portfolio have not been recognized as an expense because the securities are of high credit quality, and the decline in fair values is attributable to changes in the prevailing interest rate environment since the purchase date. Fair value is expected to recover as securities reach maturity and/or the interest rate environment returns to conditions similar to when these securities were purchased. These investments consisted of 227 and 14 separate investment positions as of December 31, 2021 and December 31, 2020, respectively. There were no credit related factors underlying unrealized losses on AFS debt securities at December 31, 2021 and December 31, 2020.

(5) Loans

Composition of loans by class follows:

December 31, (in thousands)	2021	2020
Commercial real estate - non-owner occupied	\$ 1,128,244	\$ 833,470
Commercial real estate - owner occupied	678,405	508,672
Total commercial real estate	1,806,649	1,342,142
Commercial and industrial - term	596,710	525,776
Commercial and industrial - term - PPP	140,734	550,186
Commercial and industrial - lines of credit	370,312	249,378
Total commercial and industrial	1,107,756	1,325,340
Residential real estate - owner occupied	400,695	239,191
Residential real estate - non-owner occupied	281,018	140,930
Total residential real estate	681,713	380,121
Construction and land development	299,206	291,764
Home equity lines of credit	138,976	95,366
Consumer	104,294	71,874
Leases	13,622	14,786
Credit cards	17,087	10,203
Total loans (1)	\$ 4,169,303	\$ 3,531,596

(1) Total loans are presented inclusive of premiums, discounts and net loan origination fees and costs.

At acquisition date, loans totaling \$755 million were added to the portfolio as a result of the KB acquisition.

Fees and costs of originating loans are deferred at origination and amortized over the life of the loan. Loan balances reported herein include deferred loan origination fees, net of deferred loan costs. At December 31, 2021 and 2020, net deferred loan origination fees exceeded deferred loan origination costs, resulting in net negative balances of \$6 million and \$12 million. The large change from the prior year was attributed forgiveness activity within the PPP portfolio, which resulted in the acceleration of origination fee recognition.

Bancorp's credit exposure is diversified with secured and unsecured loans to individuals and businesses. No specific industry concentration exceeds 10% of loans outstanding. While Bancorp has a diversified loan portfolio, a customer's ability to honor contracts is somewhat dependent upon the economic stability and/or industry in which that customer does business. Loans outstanding and related unfunded commitments are primarily concentrated within Bancorp's current market areas, which encompass Louisville, central, eastern and northern Kentucky, as well as the Indianapolis, Indiana and Cincinnati, Ohio metropolitan markets.

Bancorp occasionally enters into loan participation agreements with other banks in the ordinary course of business to diversify credit risk. For certain sold participation loans, Bancorp has retained effective control of the loans, typically by restricting the participating institutions from pledging or selling their share of the loan without permission from Bancorp. GAAP requires the participated portion of these loans to be recorded as secured borrowings. The participated portions of these loans are included in the C&I totals above with a corresponding liability reflected in other liabilities. At December 31, 2021 and 2020, the total participated portions of loans of this nature totaled \$5 million and \$10 million, respectively.

Accrued interest on loans, which is excluded from the amortized cost of loans, totaled \$11 million and \$12 million at December 31, 2021 and 2020, respectively, and was included in the consolidated balance sheets.

Loans with carrying amounts of \$2.2 and \$2.0 billion were pledged to secure FHLB borrowing capacity at December 31, 2021 and December 31, 2020, respectively.

Loans to directors and their related interests, including loans to companies for which directors are principal owners and executive officers are presented in the following table.

Years ended December 31, (in thousands)	2021	2020
Balance at beginning of period	\$ 43,091	\$ 43,224
Effect of change in composition of directors and executive officers	240	—
New term loans	5,000	—
Repayment of term loans	(3,671)	(737)
Changes in balances of revolving lines of credit	8,914	604
Balance at end of period	<u>\$ 53,574</u>	<u>\$ 43,091</u>

PCD Loans

In connection with the acquisition of KB, Bancorp acquired loans both with and without evidence of credit quality deterioration since origination. Acquired loans are recorded at their fair value at the time of acquisition with no carryover from the acquired institution's previously recorded allowance for loan and lease losses. Acquired loans are accounted for under ASC 326, *Financial Instruments – Credit Losses*.

The fair value of acquired loans recorded at the time of acquisition is based upon several factors, including the timing and payment of expected cash flows, as adjusted for estimated credit losses and prepayments, and then discounting these cash flows using comparable market rates. The resulting fair value adjustment is recorded in the form of a premium or discount to the unpaid principal balance of the respective loans. As it relates to acquired loans that, as of the date of acquisition, have experienced a more-than-insignificant deterioration in credit quality since origination ("PCD"), the net premium or net discount is adjusted to reflect Bancorp's allowance for credit losses recorded for PCD loans at the time of acquisition, and the remaining fair value adjustment is accreted or amortized into interest income over the remaining life of the respective loans. As it relates to loans not classified as PCD ("non-PCD") loans, the credit loss and yield components of their fair value adjustment are aggregated, and the resulting net premium or net discount is accreted or amortized into interest income over the remaining life of the respective loans. Bancorp records an ACL for non-PCD loans at the time of acquisition through provision expense, and therefore, no further adjustments are made to the net premium or net discount for non-PCD loans.

Bancorp purchased loans through the acquisition of KB for which there was, at the time of acquisition, more-than-insignificant deterioration of credit quality since origination. The carrying amount of loans acquired and classified as PCD was as follows at acquisition:

<i>(in thousands)</i>	May 31, 2021
Purchase price of PCD loans at acquisition	\$ 32,765
Allowance for credit losses at acquisition	(6,757)
Non-credit discount (premium) at acquisition	(735)
Fair value of PCD loans at acquisition	<u>\$ 25,273</u>

Interest income recognized on PCD loans totaled \$647,000 for the year ended December 31, 2021.

Allowance for Credit Losses on Loans

The table below reflects activity in the ACL related to loans for the years ended December 31, 2021 and 2020, presented in accordance with ASC 326:

<i>(in thousands)</i> Year ended December 31, 2021	Beginning Balance	Initial Allowance on PCD Loans	Provision for Credit Losses on Loans	Charge-offs	Recoveries	Ending Balance
Commercial real estate - non-owner occupied	\$ 19,396	\$ 1,491	\$ (2,031)	\$ (3,065)	\$ 169	\$ 15,960
Commercial real estate - owner occupied	6,983	2,112	1,826	(1,909)	583	9,595
Total commercial real estate	26,379	3,603	(205)	(4,974)	752	25,555
Commercial and industrial - term	8,970	1,022	(112)	(1,337)	34	8,577
Commercial and industrial - lines of credit	3,614	1,755	(567)	-	-	4,802
Total commercial and industrial	12,584	2,777	(679)	(1,337)	34	13,379
Residential real estate - owner occupied	3,389	142	1,134	(383)	34	4,316
Residential real estate - non-owner occupied	1,818	88	1,766	-	5	3,677
Total residential real estate	5,207	230	2,900	(383)	39	7,993
Construction and land development	6,119	-	(1,333)	-	3	4,789
Home equity lines of credit	895	147	1	-	1	1,044
Consumer	340	-	743	(987)	676	772
Leases	261	-	(57)	-	-	204
Credit cards	135	-	27	-	-	162
Total	\$ 51,920	\$ 6,757	\$ 1,397	\$ (7,681)	\$ 1,505	\$ 53,898

<i>(in thousands)</i> Year ended December 31, 2020	Beginning Balance	Impact of Adopting ASC 326	Initial ACL on Loans Purchased with Credit Deterioration	Provision for Credit Losses on Loans	Charge-offs	Recoveries	Ending Balance
Commercial real estate - non-owner occupied	\$ 5,235	\$ 2,946	\$ 152	\$ 11,194	\$ (143)	\$ 12	\$ 19,396
Commercial real estate - owner occupied	3,327	1,542	1,350	2,115	(1,351)	-	6,983
Total commercial real estate	8,562	4,488	1,502	13,309	(1,494)	12	26,379
Commercial and industrial - term	6,782	365	-	1,832	(18)	9	8,970
Commercial and industrial - lines of credit	5,657	(1,528)	-	(515)	-	-	3,614
Total commercial and industrial	12,439	(1,163)	-	1,317	(18)	9	12,584
Residential real estate - owner occupied	1,527	1,087	99	737	(79)	18	3,389
Residential real estate - non-owner occupied	947	429	-	442	(2)	2	1,818
Total residential real estate	2,474	1,516	99	1,179	(81)	20	5,207
Construction and land development	2,105	3,056	-	902	-	56	6,119
Home equity lines of credit	728	114	-	53	-	-	895
Consumer	100	264	34	91	(508)	359	340
Leases	237	(4)	-	28	-	-	261
Credit cards	146	(50)	-	39	-	-	135
Total	\$ 26,791	\$ 8,221	\$ 1,635	\$ 16,918	\$ (2,101)	\$ 456	\$ 51,920

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The tables below reflect activity in the ACL related to loans for the year ended December 31, 2019, presented in accordance with ASC 310 prior to the adoption of ASC 326:

Year Ended December 31, 2019 <i>(in thousands)</i>	Beginning Balance	Provision for Credit Losses	Charge-offs	Recoveries	Ending Balance
Real estate mortgage	\$ 10,681	\$ 1,021	\$ (38)	\$ 100	\$ 11,764
Commercial and industrial	11,965	684	(94)	267	12,822
Construction and development	1,760	(644)	-	203	1,319
Undeveloped land	752	34	-	-	786
Consumer	376	(95)	(552)	371	100
	<u>\$ 25,534</u>	<u>\$ 1,000</u>	<u>\$ (684)</u>	<u>\$ 941</u>	<u>\$ 26,791</u>

The following tables present the amortized cost basis of non-performing loans and the amortized cost basis of loans on non-accrual status for which there was no related ACL losses as of December 31, 2021 and 2020:

<i>(in thousands)</i> December 31, 2021	Non-accrual Loans With No Recorded ACL	Total Non-accrual	Troubled Debt Restructurings (1)	Past Due 90-Days- or-More and Still Accruing Interest
Commercial real estate - non-owner occupied	\$ 486	\$ 720	\$ —	\$ —
Commercial real estate - owner occupied	665	1,748	—	—
Total commercial real estate	<u>1,151</u>	<u>2,468</u>	<u>—</u>	<u>—</u>
Commercial and industrial - term	419	670	12	—
Commercial and industrial - PPP	—	—	—	592
Commercial and industrial - lines of credit	—	228	—	56
Total commercial and industrial	<u>419</u>	<u>898</u>	<u>12</u>	<u>648</u>
Residential real estate - owner occupied	805	1,997	—	36
Residential real estate - non-owner occupied	—	293	—	—
Total residential real estate	<u>805</u>	<u>2,290</u>	<u>—</u>	<u>36</u>
Construction and land development	—	—	—	—
Home equity lines of credit	—	646	—	—
Consumer	—	410	—	—
Leases	—	—	—	—
Credit cards	—	—	—	—
Total	<u>\$ 2,375</u>	<u>\$ 6,712</u>	<u>\$ 12</u>	<u>\$ 684</u>

(1) Does not include TDRs captured in the Non-Accrual column.

<i>(in thousands)</i> December 31, 2020	Non-accrual Loans With No Recorded ACL	Total Non-accrual	Troubled Debt Restructurings	Past Due 90-Days- or-More and Still Accruing Interest
Commercial real estate - non-owner occupied	\$ 186	\$ 10,278	\$ —	\$ —
Commercial real estate - owner occupied	1,048	1,403	—	156
Total commercial real estate	1,234	11,681	—	156
Commercial and industrial - term	6	6	16	—
Commercial and industrial - lines of credit	88	88	—	—
Total commercial and industrial	94	94	16	—
Residential real estate - owner occupied	413	413	—	178
Residential real estate - non-owner occupied	101	101	—	301
Total residential real estate	514	514	—	479
Construction and land development	—	—	—	—
Home equity lines of credit	221	221	—	14
Consumer	4	4	—	—
Leases	—	—	—	—
Credit cards	—	—	—	—
Total	<u>\$ 2,067</u>	<u>\$ 12,514</u>	<u>\$ 16</u>	<u>\$ 649</u>

For the years ended December 31, 2021 and 2020, the amount of accrued interest income previously recorded as revenue and subsequently reversed due to the change in accrual status was immaterial.

For the years ended December 31, 2021 and 2020, no interest income was recognized on loans on non-accrual status.

The following table presents the amortized cost basis and ACL allocated for collateral dependent loans in accordance with ASC 326, which are individually evaluated to determine expected credit losses:

<i>(in thousands)</i> December 31, 2021	Real Estate	Accounts Receivable / Equipment	Other	Total	ACL Allocation
Commercial real estate - non-owner occupied	\$ 720	\$ -	\$ -	\$ 720	\$ -
Commercial real estate - owner occupied	7,652	-	-	7,652	1,652
Total commercial real estate	8,372	-	-	8,372	1,652
Commercial and industrial - term	-	598	-	598	-
Commercial and industrial - lines of credit	-	200	-	200	-
Total commercial and industrial	-	798	-	798	-
Residential real estate - owner occupied	1,997	-	-	1,997	-
Residential real estate - non-owner occupied	502	-	-	502	116
Total residential real estate	2,499	-	-	2,499	116
Construction and land development	-	-	-	-	-
Home equity lines of credit	646	-	-	646	-
Consumer	-	-	247	247	-
Leases	-	-	-	-	-
Credit cards	-	-	-	-	-
Total collateral dependent loans	<u>\$ 11,517</u>	<u>\$ 798</u>	<u>\$ 247</u>	<u>\$ 12,562</u>	<u>\$ 1,768</u>

(in thousands)

December 31, 2020

	Real Estate	Accounts Receivable / Equipment	Other	Total	ACL Allocation
Commercial real estate - non-owner occupied	\$ 10,278	\$ -	\$ -	\$ 10,278	\$ 3,037
Commercial real estate - owner occupied	1,403	-	-	1,403	13
Total commercial real estate	11,681	-	-	11,681	3,050
Commercial and industrial - term	16	7	-	23	16
Commercial and industrial - lines of credit	-	88	-	88	-
Total commercial and industrial	16	95	-	111	16
Residential real estate - owner occupied	413	-	-	413	-
Residential real estate - non-owner occupied	101	-	-	101	-
Total residential real estate	514	-	-	514	-
Construction and land development	-	-	-	-	-
Home equity lines of credit	221	-	-	221	-
Consumer	-	-	4	4	-
Leases	-	-	-	-	-
Credit cards	-	-	-	-	-
Total collateral dependent loans	<u>\$ 12,432</u>	<u>\$ 95</u>	<u>\$ 4</u>	<u>\$ 12,531</u>	<u>\$ 3,066</u>

There have been no significant changes to the types of collateral securing Bancorp's collateral dependent loans.

Information pertaining to impaired loans as of December 31, 2019 was determined in accordance with ASC 310. For the year ended December 31, 2019, the average recorded investment for impaired loans was \$4.7 million and no interest income was recorded on impaired loans.

The following tables present the aging of contractually past due loans by portfolio class:

(in thousands)

December 31, 2021*	Current	30-59 days Past Due	60-89 days Past Due	90 or more Days Past Due	Total Past Due	Total Loans
Commercial real estate - non-owner occupied	\$ 1,127,448	\$ -	\$ 81	\$ 715	\$ 796	\$ 1,128,244
Commercial real estate - owner occupied	677,231	360	327	487	1,174	678,405
Total commercial real estate	1,804,679	360	408	1,202	1,970	1,806,649
Commercial and industrial - term	595,070	1,032	44	564	1,640	596,710
Commercial and industrial - term - PPP	139,718	128	296	592	1,016	140,734
Commercial and industrial - lines of credit	369,963	271	22	56	349	370,312
Total commercial and industrial	1,104,751	1,431	362	1,212	3,005	1,107,756
Residential real estate - owner occupied	397,415	1,399	137	1,744	3,280	400,695
Residential real estate - non-owner occupied	280,257	403	258	100	761	281,018
Total residential real estate	677,672	1,802	395	1,844	4,041	681,713
Construction and land development	299,206	—	—	—	—	299,206
Home equity lines of credit	138,141	279	47	509	835	138,976
Consumer	103,109	724	102	359	1,185	104,294
Leases	13,622	—	—	—	—	13,622
Credit cards	17,087	—	—	—	-	17,087
Total	\$ 4,158,267	\$ 4,596	\$ 1,314	\$ 5,126	\$ 11,036	\$ 4,169,303

(in thousands)

December 31, 2020*	Current	30-59 days Past Due	60-89 days Past Due	90 or more Days Past Due	Total Past Due	Total Loans
Commercial real estate - non-owner occupied	\$ 822,199	\$ -	\$ 10,600	\$ 671	\$ 11,271	\$ 833,470
Commercial real estate - owner occupied	507,265	278	—	1,129	1,407	508,672
Total commercial real estate	1,329,464	278	10,600	1,800	12,678	1,342,142
Commercial and industrial - term	523,936	1,404	430	6	1,840	525,776
Commercial and industrial - term - PPP	550,186	—	—	—	—	550,186
Commercial and industrial - lines of credit	249,204	86	—	88	174	249,378
Total commercial and industrial	1,323,326	1,490	430	94	2,014	1,325,340
Residential real estate - owner occupied	237,902	585	247	457	1,289	239,191
Residential real estate - non-owner occupied	140,234	294	—	402	696	140,930
Total residential real estate	378,136	879	247	859	1,985	380,121
Construction and land development	291,764	—	—	—	—	291,764
Home equity lines of credit	95,206	7	139	14	160	95,366
Consumer	71,778	90	4	2	96	71,874
Leases	14,786	—	—	—	—	14,786
Credit cards	10,197	5	—	1	6	10,203
Total	\$ 3,514,657	\$ 2,749	\$ 11,420	\$ 2,770	\$ 16,939	\$ 3,531,596

* - Pursuant to the CARES Act, loan deferrals granted to borrowers experiencing business interruptions related to the pandemic were not classified as TDRs and not included in past due and/or non-performing loan statistics. As of December 31, 2021 and December 31, 2020, outstanding CARES Act loan deferrals of \$169,000 and \$37 million are reflected as current, respectively.

Loan Risk Ratings

Consistent with regulatory guidance, Bancorp categorizes loans into credit risk rating categories based on relevant information about the ability of borrowers to service their debt such as current financial information, historical payment experience, credit documentation, public information and current economic trends. Pass-rated loans include all risk-rated loans other than those classified as OAEM, substandard, and doubtful, which are defined below:

OAEM – Loans classified as OAEM have potential weaknesses requiring management's heightened attention. These potential weaknesses may result in deterioration of repayment prospects for the loan or of Bancorp's credit position at some future date.

Substandard – Loans classified as substandard are inadequately protected by the paying capacity of the obligor or of collateral pledged, if any. Loans so classified have well-defined weaknesses that jeopardize ultimate repayment of the debt. Default is a distinct possibility if the deficiencies are not corrected.

Substandard non-performing – Loans classified as substandard non-performing have all the characteristics of substandard loans and have been placed on non-accrual status or have been accounted for as TDRs. Loans are usually placed on non-accrual status when prospects for recovering both principal and accrued interest are considered doubtful or when a default of principal or interest has existed for 90 days or more.

Doubtful – Loans classified as doubtful have all the weaknesses inherent in those classified as substandard, with the added characteristic that the weaknesses make collection or repayment in full, on the basis of currently existing facts, conditions and values, highly questionable and improbable. A loan is typically charged off once it is classified as doubtful.

Management considers the guidance in ASC 310-20 when determining whether a modification, extension, or renewal of loan constitutes a current period origination. Current period renewals of credit are re-underwritten at the point of renewal and considered current period originations for purposes of the table below. Beginning in 2021, Bancorp elected to stop disclosing revolving loans that have converted to term loans, as activity relating to this disclosure, which is included in the tables presented below as of December 31, 2020, was immaterial to Bancorp's loan portfolio and is expected to remain so in the future. As of December 31, 2021, the risk rating of loans based on year of origination was as follows:

(in thousands)	Term Loans Amortized Cost Basis by Origination Year						Revolving loans amortized cost basis	Total
December 31, 2021	2021	2020	2019	2018	2017	Prior		
Commercial real estate -non-owner occupied:								
Risk rating								
Pass	\$ 381,014	\$ 298,177	\$ 134,286	\$ 86,638	\$ 85,110	\$ 81,635	\$ 19,465	\$ 1,086,325
OAEM	3,186	2,666	19,784	-	353	1,619	248	27,856
Substandard	4,174	1,440	-	-	-	7,629	100	13,343
Substandard non-performing	-	39	78	-	592	11	-	720
Doubtful	-	-	-	-	-	-	-	-
Total Commercial real estate non-owner occupied	\$ 388,374	\$ 302,322	\$ 154,148	\$ 86,638	\$ 86,055	\$ 90,894	\$ 19,813	\$ 1,128,244
Commercial real estate - owner occupied:								
Risk rating								
Pass	\$ 203,545	\$ 192,322	\$ 91,078	\$ 75,062	\$ 33,713	\$ 44,364	\$ 9,236	\$ 649,320
OAEM	1,681	1,480	3,568	469	1,506	124	570	9,398
Substandard	5,051	3,605	5,985	1,275	627	-	1,396	17,939
Substandard non-performing	1,259	-	-	-	32	457	-	1,748
Doubtful	-	-	-	-	-	-	-	-
Total Commercial real estate owner occupied	\$ 211,536	\$ 197,407	\$ 100,631	\$ 76,806	\$ 35,878	\$ 44,945	\$ 11,202	\$ 678,405
Commercial and industrial - term:								
Risk rating								
Pass	\$ 283,150	\$ 143,211	\$ 58,988	\$ 52,388	\$ 26,081	\$ 24,421	\$ -	\$ 588,239
OAEM	738	86	254	3,382	8	-	-	4,468
Substandard	170	42	2,667	176	111	167	-	3,333
Substandard non-performing	-	543	72	55	-	-	-	670
Doubtful	-	-	-	-	-	-	-	-
Total Commercial and industrial - term	\$ 284,058	\$ 143,882	\$ 61,981	\$ 56,001	\$ 26,200	\$ 24,588	\$ -	\$ 596,710
Commercial and industrial - PPP								
Risk rating								
Pass	\$ 128,409	\$ 12,325	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 140,734
OAEM	-	-	-	-	-	-	-	-
Substandard	-	-	-	-	-	-	-	-
Substandard non-performing	-	-	-	-	-	-	-	-
Doubtful	-	-	-	-	-	-	-	-
Total Commercial and industrial - PPP	\$ 128,409	\$ 12,325	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 140,734

(continued)

(continued)

(in thousands)	Term Loans Amortized Cost Basis by Origination Year						Revolving loans amortized basis	Total
December 31, 2021	2021	2020	2019	2018	2017	Prior		
Commercial and industrial - lines of credit								
Risk rating								
Pass	\$ 33,875	\$ 8,352	\$ 11,103	\$ 1,039	\$ 207	\$ 193	\$ 303,682	\$ 358,451
OAEM	-	-	-	-	-	-	6,355	6,355
Substandard	-	-	1,916	-	1,549	-	1,813	5,278
Substandard non-performing	-	-	-	-	-	-	228	228
Doubtful	-	-	-	-	-	-	-	-
Total Commercial and industrial - lines of credit	\$ 33,875	\$ 8,352	\$ 13,019	\$ 1,039	\$ 1,756	\$ 193	\$ 312,078	\$ 370,312
Residential real estate - owner occupied								
Risk rating								
Pass	\$ 176,487	\$ 99,936	\$ 31,327	\$ 17,259	\$ 16,599	\$ 56,639	\$ -	\$ 398,247
OAEM	101	-	174	-	-	-	-	275
Substandard	-	-	-	-	108	68	-	176
Substandard non-performing	164	103	136	230	714	650	-	1,997
Doubtful	-	-	-	-	-	-	-	-
Total Residential real estate - owner occupied	\$ 176,752	\$ 100,039	\$ 31,637	\$ 17,489	\$ 17,421	\$ 57,357	\$ -	\$ 400,695
Residential real estate - non-owner occupied								
Risk rating								
Pass	\$ 94,482	\$ 78,785	\$ 46,177	\$ 27,494	\$ 16,171	\$ 15,909	\$ -	\$ 279,018
OAEM	352	126	281	132	-	462	-	1,353
Substandard	-	-	-	-	-	354	-	354
Substandard non-performing	103	-	45	28	-	117	-	293
Doubtful	-	-	-	-	-	-	-	-
Total Residential real estate - non-owner occupied	\$ 94,937	\$ 78,911	\$ 46,503	\$ 27,654	\$ 16,171	\$ 16,842	\$ -	\$ 281,018
Construction and land development								
Risk rating								
Pass	\$ 160,696	\$ 99,699	\$ 16,665	\$ 6,262	\$ 1,890	\$ 1,156	\$ 12,736	\$ 299,104
OAEM	-	-	-	-	102	-	-	102
Substandard	-	-	-	-	-	-	-	-
Substandard non-performing	-	-	-	-	-	-	-	-
Doubtful	-	-	-	-	-	-	-	-
Total Construction and land development	\$ 160,696	\$ 99,699	\$ 16,665	\$ 6,262	\$ 1,992	\$ 1,156	\$ 12,736	\$ 299,206
Home equity lines of credit								
Risk rating								
Pass	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 138,239	\$ 138,239
OAEM	-	-	-	-	-	-	91	91
Substandard	-	-	-	-	-	-	-	-
Substandard non-performing	-	-	-	-	-	-	646	646
Doubtful	-	-	-	-	-	-	-	-
Total Home equity lines of credit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 138,976	\$ 138,976

(continued)

(continued)

(in thousands)	Term Loans Amortized Cost Basis by Origination Year						Revolving loans amortized cost basis	Total
December 31, 2021	2021	2020	2019	2018	2017	Prior		
Consumer								
Risk rating								
Pass	\$ 23,866	\$ 9,316	\$ 5,014	\$ 1,260	\$ 555	\$ 646	\$ 63,227	\$ 103,884
OAEM	-	-	-	-	-	-	-	-
Substandard	-	-	-	-	-	-	-	-
Substandard non-performing	55	304	30	11	-	4	6	410
Doubtful	-	-	-	-	-	-	-	-
Total Consumer	\$ 23,921	\$ 9,620	\$ 5,044	\$ 1,271	\$ 555	\$ 650	\$ 63,233	\$ 104,294
Leases								
Risk rating								
Pass	\$ 5,375	\$ 3,596	\$ 1,375	\$ 1,331	\$ 406	\$ 1,539	\$ -	\$ 13,622
OAEM	-	-	-	-	-	-	-	-
Substandard	-	-	-	-	-	-	-	-
Substandard non-performing	-	-	-	-	-	-	-	-
Doubtful	-	-	-	-	-	-	-	-
Total Leases	\$ 5,375	\$ 3,596	\$ 1,375	\$ 1,331	\$ 406	\$ 1,539	\$ -	\$ 13,622
Credit cards								
Risk rating								
Pass	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,087	\$ 17,087
OAEM	-	-	-	-	-	-	-	-
Substandard	-	-	-	-	-	-	-	-
Substandard non-performing	-	-	-	-	-	-	-	-
Doubtful	-	-	-	-	-	-	-	-
Total Credit cards	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,087	\$ 17,087
Total loans								
Risk rating								
Pass	\$ 1,490,899	\$ 945,719	\$ 396,013	\$ 268,733	\$ 180,732	\$ 226,502	\$ 563,672	\$ 4,072,270
OAEM	6,058	4,358	24,061	3,983	1,969	2,205	7,264	49,898
Substandard	9,395	5,087	10,568	1,451	2,395	8,218	3,309	40,423
Substandard non-performing	1,581	989	361	324	1,338	1,239	880	6,712
Doubtful	-	-	-	-	-	-	-	-
Total Loans	\$ 1,507,933	\$ 956,153	\$ 431,003	\$ 274,491	\$ 186,434	\$ 238,164	\$ 575,125	\$ 4,169,303

As of December 31, 2020, the risk rating of loans based on year of origination was as follows:

(in thousands)	Term Loans Amortized Cost Basis by Origination Year						Revolving loans amortized cost basis	Revolving loans converted to term	Total
December 31, 2020	2020	2019	2018	2017	2016	Prior			
Commercial real estate - non-owner occupied:									
Risk rating									
Pass	\$ 303,246	\$ 114,731	\$ 102,147	\$ 105,981	\$ 77,925	\$ 57,221	\$ 12,439	\$ 11,717	\$ 785,407
OAEM	3,867	16,587	-	-	7,707	615	-	-	28,776
Substandard	4,174	1,901	-	-	1,513	991	430	-	9,009
Substandard non-performing	9,644	-	-	609	-	-	-	25	10,278
Doubtful	-	-	-	-	-	-	-	-	-
Total Commercial real estate non-owner occupied	\$ 320,931	\$ 133,219	\$ 102,147	\$ 106,590	\$ 87,145	\$ 58,827	\$ 12,869	\$ 11,742	\$ 833,470
Commercial real estate - owner occupied:									
Risk rating									
Pass	\$ 183,666	\$ 94,462	\$ 83,592	\$ 47,506	\$ 39,638	\$ 30,533	\$ 7,693	\$ 2,418	\$ 489,508
OAEM	74	6,534	1,575	796	115	-	200	-	9,294
Substandard	1,408	5,360	1,335	247	117	-	-	-	8,467
Substandard non-performing	91	-	15	500	-	471	-	326	1,403
Doubtful	-	-	-	-	-	-	-	-	-
Total Commercial real estate owner occupied	\$ 185,239	\$ 106,356	\$ 86,517	\$ 49,049	\$ 39,870	\$ 31,004	\$ 7,893	\$ 2,744	\$ 508,672
Commercial and industrial - term:									
Risk rating									
Pass	\$ 215,629	\$ 94,563	\$ 104,871	\$ 42,929	\$ 36,016	\$ 8,412	\$ -	\$ 7,690	\$ 510,110
OAEM	60	2,969	7,878	-	283	8	-	-	11,198
Substandard	1,229	2,521	-	91	163	74	-	384	4,462
Substandard non-performing	-	-	-	-	-	6	-	-	6
Doubtful	-	-	-	-	-	-	-	-	-
Total Commercial and industrial - term	\$ 216,918	\$ 100,053	\$ 112,749	\$ 43,020	\$ 36,462	\$ 8,500	\$ -	\$ 8,074	\$ 525,776
Commercial and industrial - PPP									
Risk rating									
Pass	\$ 550,186	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 550,186
OAEM	-	-	-	-	-	-	-	-	-
Substandard	-	-	-	-	-	-	-	-	-
Substandard non-performing	-	-	-	-	-	-	-	-	-
Doubtful	-	-	-	-	-	-	-	-	-
Total Commercial and industrial - PPP	\$ 550,186	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 550,186

(continued)

(continued)

(in thousands)	Term Loans Amortized Cost Basis by Origination Year						Revolving loans amortized cost basis	Revolving loans converted to term	Total
December 31, 2020	2020	2019	2018	2017	2016	Prior			
Commercial and industrial - lines of credit									
Risk rating									
Pass	\$ 26,351	\$ 14,405	\$ 2,229	\$ 1,990	\$ 290	\$ 85	\$ 195,904	\$ -	\$ 241,254
OAEM	-	2,222	-	-	-	-	1,596	-	3,818
Substandard	-	-	-	-	-	-	4,218	-	4,218
Substandard non-performing	-	-	-	-	-	-	88	-	88
Doubtful	-	-	-	-	-	-	-	-	-
Total Commercial and industrial - lines of credit	\$ 26,351	\$ 16,627	\$ 2,229	\$ 1,990	\$ 290	\$ 85	\$ 201,806	\$ -	\$ 249,378
Residential real estate - owner occupied									
Risk rating									
Pass	\$ 94,023	\$ 34,631	\$ 23,748	\$ 19,567	\$ 27,791	\$ 37,362	\$ -	\$ 1,528	\$ 238,650
OAEM	-	-	-	-	-	-	-	-	-
Substandard	13	-	-	115	-	-	-	-	128
Substandard non-performing	49	58	-	100	38	73	-	95	413
Doubtful	-	-	-	-	-	-	-	-	-
Total Residential real estate - owner occupied	\$ 94,085	\$ 34,689	\$ 23,748	\$ 19,782	\$ 27,829	\$ 37,435	\$ -	\$ 1,623	\$ 239,191
Residential real estate - non-owner occupied									
Risk rating									
Pass	\$ 63,537	\$ 22,422	\$ 25,466	\$ 10,587	\$ 9,609	\$ 6,451	\$ -	\$ 788	\$ 138,860
OAEM	137	1,600	140	-	-	92	-	-	1,969
Substandard	-	-	-	-	-	-	-	-	-
Substandard non-performing	-	-	29	-	-	72	-	-	101
Doubtful	-	-	-	-	-	-	-	-	-
Total Residential real estate - non-owner occupied	\$ 63,674	\$ 24,022	\$ 25,635	\$ 10,587	\$ 9,609	\$ 6,615	\$ -	\$ 788	\$ 140,930
Construction and land development									
Risk rating									
Pass	\$ 139,611	\$ 94,066	\$ 32,539	\$ 15,384	\$ 1,175	\$ 553	\$ 6,304	\$ 1,883	\$ 291,515
OAEM	-	-	-	-	-	-	249	-	249
Substandard	-	-	-	-	-	-	-	-	-
Substandard non-performing	-	-	-	-	-	-	-	-	-
Doubtful	-	-	-	-	-	-	-	-	-
Total Construction and land development	\$ 139,611	\$ 94,066	\$ 32,539	\$ 15,384	\$ 1,175	\$ 553	\$ 6,553	\$ 1,883	\$ 291,764
Home equity lines of credit									
Risk rating									
Pass	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 95,145	\$ -	\$ 95,145
OAEM	-	-	-	-	-	-	-	-	-
Substandard	-	-	-	-	-	-	-	-	-
Substandard non-performing	-	-	-	-	-	-	221	-	221
Doubtful	-	-	-	-	-	-	-	-	-
Total Home equity lines of credit	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 95,366	\$ -	\$ 95,366

(continued)

(continued)

(in thousands)	Term Loans Amortized Cost Basis by Origination Year						Revolving loans amortized cost basis	Revolving loans converted to term	Total
December 31, 2020	2020	2019	2018	2017	2016	Prior			
Consumer									
Risk rating									
Pass	\$ 10,334	\$ 2,897	\$ 1,687	\$ 243	\$ 420	\$ 466	\$ 55,631	\$ 192	\$ 71,870
OAEM	-	-	-	-	-	-	-	-	-
Substandard	-	-	-	-	-	-	-	-	-
Substandard non-performing	-	-	-	-	2	-	2	-	4
Doubtful	-	-	-	-	-	-	-	-	-
Total Consumer	\$ 10,334	\$ 2,897	\$ 1,687	\$ 243	\$ 422	\$ 466	\$ 55,633	\$ 192	\$ 71,874
Leases									
Risk rating									
Pass	\$ 4,674	\$ 1,875	\$ 2,144	\$ 1,300	\$ 2,550	\$ 2,168	\$ -	\$ -	\$ 14,711
OAEM	-	-	-	-	69	-	-	-	69
Substandard	-	-	6	-	-	-	-	-	6
Substandard non-performing	-	-	-	-	-	-	-	-	-
Doubtful	-	-	-	-	-	-	-	-	-
Total Leases	\$ 4,674	\$ 1,875	\$ 2,150	\$ 1,300	\$ 2,619	\$ 2,168	\$ -	\$ -	\$ 14,786
Credit cards									
Risk rating									
Pass	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,203	\$ -	\$ 10,203
OAEM	-	-	-	-	-	-	-	-	-
Substandard	-	-	-	-	-	-	-	-	-
Substandard non-performing	-	-	-	-	-	-	-	-	-
Doubtful	-	-	-	-	-	-	-	-	-
Total Credit cards	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,203	\$ -	\$ 10,203
Total loans									
Risk rating									
Pass	\$ 1,591,257	\$ 474,052	\$ 378,423	\$ 245,487	\$ 195,414	\$ 143,251	\$ 383,319	\$ 26,216	\$ 3,437,419
OAEM	4,138	29,912	9,593	796	8,174	715	2,045	-	55,373
Substandard	6,824	9,782	1,341	453	1,793	1,065	4,648	384	26,290
Substandard non-performing	9,784	58	44	1,209	40	622	311	446	12,514
Doubtful	-	-	-	-	-	-	-	-	-
Total Loans	\$ 1,612,003	\$ 513,804	\$ 389,401	\$ 247,945	\$ 205,421	\$ 145,653	\$ 390,323	\$ 27,046	\$ 3,531,596

Bancorp considers the performance of the loan portfolio and its impact on the ACL. For certain loan classes, such as credit cards, credit quality is evaluated based on the aging status of the loan, which was previously presented, and by payment activity. The following table presents the recorded investment in credit cards based on payment activity:

(in thousands) December 31,	2021	2020
Credit cards		
Performing	\$ 17,087	\$ 10,203
Non-performing	—	—
Total credit cards	<u>\$ 17,087</u>	<u>\$ 10,203</u>

In accordance with Section 4013 of the CARES Act and in response to requests from borrowers who experienced business interruptions related to the pandemic, Bancorp extended payment deferrals for those affected borrowers. Depending on the demonstrated need of the customer, Bancorp deferred either the full loan payment or the principal-only portion of respective loan payments for 90 or 180 days for some borrowers directly impacted by the pandemic. Pursuant to the CARES Act, these loan deferrals were not classified as TDRs and not included in past due and/or non-performing loan statistics. As of December 31, 2021, outstanding loan deferrals totaled \$169,000 compared to \$37 million, or 1.24% of the loan portfolio (excluding PPP loans) at December 31, 2020.

Troubled Debt Restructurings

Detail of outstanding TDRs included in total non-performing loans follows:

<i>(in thousands)</i>	December 31, 2021			December 31, 2020		
	Balance	Specific reserve allocation	Additional commitment to lend	Balance	Specific reserve allocation	Additional commitment to lend
Commercial real estate - owner occupied	\$ 950	\$ 202	\$ —	\$ —	\$ —	\$ —
Commercial and industrial - term	12	12	—	16	16	—
Total TDRs	\$ 962	\$ 214	\$ —	\$ 16	\$ 16	\$ —

During the year ended December 31, 2021, one CRE loan, which was acquired through the KB acquisition, was modified as a TDR. The loan had a pre- and post-modification investment of \$1.5 million and \$950,000, respectively. The borrower was given a payment concession through a change in terms in an effort to enable the borrower to fulfill the loan agreement and has paid as contracted under the modification as of December 31, 2021. The TDR described above decreased the allowance for credit losses on loans by \$548,000, which was the amount charged off in relation to this note, for the year ended December 31, 2021. No loans were modified as TDRs for the year ended December 31, 2020.

For the years ended December 31, 2021 and 2020, there were no payment defaults of existing TDRs within 12 months following the modification. Default is determined at 90 or more days past due, charge-off, or foreclosure.

At December 31, 2021 and December 31, 2020, Bancorp had \$917,000 and \$147,000, respectively, in residential real estate loans for which formal foreclosure proceedings were in process, the increase relating primarily to one relationship added through the KB acquisition.

(6) Premises and Equipment

A summary of premises and equipment follows:

December 31, (in thousands)	2021	2020
Land	\$ 15,981	\$ 10,620
Buildings and improvements	61,908	51,843
Furniture and equipment	22,420	21,415
Construction in progress	2,723	668
Right-of-use operating lease asset	14,958	12,100
	117,990	96,646
Accumulated depreciation and amortization	(41,096)	(38,631)
Total premises and equipment	\$ 76,894	\$ 58,015

Depreciation expense related to premises and equipment was \$4.8 million in 2021, \$4.4 million in 2020 and \$4.2 million in 2019, respectively.

Premises and equipment are presented on the consolidated balance sheets net of related depreciation on the respective assets as well as fair value adjustments associated with purchase accounting. As result of the KB acquisition, which added 19 locations, net premises and equipment increased by \$19 million at December 31, 2021 compared to December 31, 2020.

Bancorp has operating leases for various branch locations with terms ranging from approximately two years to 19 years, some of which include options to extend the leases in five-year increments. A total of seven operating leases were added as a result of the KB acquisition. Options reasonably expected to be exercised are included in determination of the right-of-use asset. Bancorp elected to use a practical expedient to expense short-term lease obligations associated with leases with original terms of 12 months or less. Bancorp elected not to separate non-lease components from lease components for its operating leases. The right-of-use lease asset and operating lease liability are recorded in premises and equipment and other liabilities on the consolidated balance sheet.

Balance sheet, income statement, and cash flow detail regarding operating leases follows:

December 31, (dollars in thousands)	2021	2020
Balance Sheet		
Operating lease right-of-use asset	\$ 14,958	\$ 12,100
Operating lease liability	16,408	13,476
Weighted average remaining lease term (years)	9.4	8.6
Weighted average discount rate	3.02%	3.37%
Maturities of lease liabilities:		
One year or less	\$ 2,634	\$ 2,087
Year 2	2,673	2,107
Year 3	2,408	2,141
Year 4	1,924	1,899
Year 5	1,608	1,469
Greater than 5 years	7,699	5,882
Total lease payments	\$ 18,946	\$ 15,585
Less imputed interest	2,538	2,109
Total	<u>\$ 16,408</u>	<u>\$ 13,476</u>

Years ended December 31, (in thousands)	2021	2020	2019
Income Statement			
Components of lease expense:			
Operating lease cost	\$ 2,239	\$ 1,896	\$ 1,870
Variable lease cost	227	180	152
Less sublease income	95	54	54
Total lease cost	<u>\$ 2,371</u>	<u>\$ 2,022</u>	<u>\$ 1,968</u>

Years ended December 31, (in thousands)	2021	2020	2019
Cash flow Statement			
Supplemental cash flow information:			
Operating cash flows from operating leases	\$ 2,568	\$ 2,218	\$ 2,170

As of December 31, 2021 Bancorp had not entered into any lease agreements that had yet to commence.

(7) Goodwill and Core Deposit Intangibles

As of December 31, 2021, goodwill totaled \$136 million, \$123 million of which was added through the KB acquisition. As permitted under GAAP, management has up to twelve months following the date of acquisition to finalize the fair values of the acquired assets and assumed liabilities related to the KB acquisition. During this measurement period, Bancorp may record subsequent adjustments to goodwill for provisional amounts recorded at the acquisition date.

The composition of goodwill is presented by acquisition below:

December 31, (in thousands)	2021	2020
Kentucky Bancshares (2021)	\$ 123,317	\$ —
King Southern Bancorp (2019)	11,831	11,831
Austin State Bank (1996)	682	682
Total	<u>\$ 135,830</u>	<u>\$ 12,513</u>

GAAP requires that goodwill and intangible assets with indefinite useful lives not be amortized, but instead be tested for impairment at least annually. Impairment exists when a reporting unit's carrying value of goodwill exceeds its fair value. Bancorp's annual goodwill impairment test is conducted as of September 30th of each year or more often as situations dictate. The qualitative assessment performed as of September 30, 2021 indicated that it was not more-likely-than-not that the carrying value of the reporting unit exceeded its fair value.

Changes in the carrying value of goodwill follows:

Years ended December 31, (in thousands)	2021	2020	2019
Balance at beginning of period	\$ 12,513	\$ 12,513	\$ 682
Goodwill acquired	124,016	—	12,144
Provisional period adjustments	(699)	—	(313)
Impairment	—	—	—
Balance at end of period	<u>\$ 135,830</u>	<u>\$ 12,513</u>	<u>\$ 12,513</u>

Bancorp recorded CDI assets of \$4.4 million, \$1.5 million and \$2.5 million in association with the acquisition of KB in 2021, KSB in 2019 and TBOC in 2013, respectively.

Changes in the net carrying amount of CDI assets follow:

Years ended December 31, (in thousands)	2021	2020	2019
Balance, beginning of period	\$ 1,962	\$ 2,285	\$ 1,057
Additions	3,404	—	1,519
Provisional period adjustments	999	—	—
Amortized to expense	(769)	(323)	(291)
Balance, end of period	<u>\$ 5,596</u>	<u>\$ 1,962</u>	<u>\$ 2,285</u>

Future CDI amortization expense is estimated as follows:

(in thousands)

2022	\$	1,049
2023		932
2024		835
2025		755
2026		675
2027		595
2028		414
2029		194
2030		114
2031		33
Total future expense	\$	5,596

(8) Other Assets

A summary of major components of other assets follows:

December 31, (in thousands)	2021	2020
Cash surrender value of life insurance other than BOLI	\$ 17,875	\$ 18,426
Net deferred tax asset	24,340	22,320
Investments in tax credit partnerships	11,084	9,552
Swap assets	3,148	8,374
Prepaid assets	4,469	2,935
Trust fee receivable	2,868	2,192
Mortgage servicing rights	4,528	2,710
Other real estate owned	7,212	281
Other	10,478	4,575
Total other assets	\$ 86,002	\$ 71,365

Bancorp maintains life insurance policies other than BOLI in conjunction with its non-qualified defined benefit retirement and non-qualified compensation plans.

Bancorp enters into interest rate swap transactions with borrowers who desire to hedge exposure to rising interest rates, while at the same time entering into an offsetting interest rate swap, with substantially matching terms, with another approved independent counterparty. These are undesignated derivative instruments and are recognized on the balance sheet at fair value. For additional information, see the footnote titled “*Derivative Financial Instruments*.”

MSRs, a component of other assets, are initially recognized at fair value when mortgage loans are sold with servicing retained. The MSRs are amortized in proportion to and over the period of estimated net servicing income, considering appropriate prepayment assumptions. MSRs are evaluated quarterly for impairment by comparing carrying value to fair value. Fair value is based on a valuation model that calculates the PV of estimated net servicing income. The model incorporates assumptions that market participants would use in estimating future net servicing income.

The estimated fair value of MSRs at December 31, 2021 and December 31, 2020 were \$6.4 million and \$3.1 million, respectively. MSRs with an estimated fair value of \$1.7 million were added through KB acquisition at May 31, 2021. There was no valuation allowance recorded for MSRs as of December 31, 2021 and December 31, 2020, as fair value exceeded carrying value.

Changes in the net carrying amount of MSRs follows:

Years ended December 31, (in thousands)	2021	2020	2019
Balance at beginning of period	\$ 2,710	\$ 1,372	\$ 1,022
MSRs acquired	1,662	—	—
Additions for mortgage loans sold	1,231	1,785	506
Amortization	(1,075)	(447)	(156)
Impairment	—	—	—
Balance at end of period	<u>\$ 4,528</u>	<u>\$ 2,710</u>	<u>\$ 1,372</u>

Total outstanding principal balances of loans serviced by Bancorp were \$698 million and \$428 million at December 31, 2021 and December 31, 2020, respectively. The increase was attributed to both the acquired servicing portfolio and organic growth.

(9) Income Taxes

Components of income tax expense (benefit) from operations were as follows:

Years Ended December 31, (in thousands)	2021	2020	2019
Current income tax expense:			
Federal	\$ 13,292	\$ 15,474	\$ 14,673
State	2,059	908	772
Total current income tax expense	<u>15,351</u>	<u>16,382</u>	<u>15,445</u>
Deferred income tax expense (benefit):			
Federal	3,318	(5,398)	(746)
State	2,176	(2,082)	(2,872)
Total deferred income tax expense (benefit)	<u>5,494</u>	<u>(7,480)</u>	<u>(3,618)</u>
Change in valuation allowance	(93)	(28)	(2,234)
Total income tax expense	<u>\$ 20,752</u>	<u>\$ 8,874</u>	<u>\$ 9,593</u>

Components of income tax (benefit) expense recorded directly to stockholders' equity were as follows:

Years Ended December 31, (in thousands)	2021	2020	2019
Unrealized (loss) gain on securities available for sale	\$ (5,371)	\$ 2,607	\$ 1,757
Unrealized gain on derivatives	38	(27)	(120)
Minimum pension liability adjustment	52	(25)	(58)
Total income tax (benefit) expense recorded directly to stockholders' equity	<u>\$ (5,281)</u>	<u>\$ 2,555</u>	<u>\$ 1,579</u>

An analysis of the difference between statutory and ETRs from operations follows:

Years Ended December 31,	2021	2020	2019
U.S. federal statutory income tax rate	21.0%	21.0%	21.0%
State income taxes, net of federal benefit	3.5	0.8	0.7
Excess tax benefits from stock-based compensation arrangements	(1.1)	(0.7)	(1.0)
Change in cash surrender value of life insurance	(0.8)	(0.8)	(0.9)
Tax credits	(0.3)	(5.5)	(1.9)
Kentucky state income tax enactments	—	(2.2)	(5.2)
Tax exempt interest income	(0.4)	(0.3)	(0.3)
Non-deductible merger expenses	0.4	—	—
Insurance captive	(0.2)	—	—
Amortization of investment in tax credit partnerships	0.1	1.0	0.3
Other, net	(0.4)	(0.2)	—
Effective tax rate	<u>21.8%</u>	<u>13.1%</u>	<u>12.7%</u>

Current state income tax expense for 2021 represents tax owed to the state of Kentucky, Indiana and Illinois. Ohio state bank taxes are currently based on capital levels and are recorded as other non-interest expense. Prior to 2021, Kentucky state bank taxes were also based on capital levels and were previously recorded as other non-interest expense.

The state of Kentucky passed legislation in 2019 that required financial institutions to transition from a capital based franchise tax to the Kentucky corporate income tax beginning in 2021 and allows entities filing a combined Kentucky income tax return to share certain tax attributes, including net operating loss carryforwards.

GAAP provides guidance on financial statement recognition and measurement of tax positions taken, or expected to be taken, in tax returns. If recognized, tax benefits would reduce tax expense and accordingly, increase net income. The amount of unrecognized tax benefits may increase or decrease in the future for various reasons including adding amounts for current year tax positions, expiration of open income tax returns due to statutes of limitation, changes in management's judgment about the level of uncertainty, status of examination, litigation and legislative activity and addition or elimination of uncertain tax positions. As of December 31, 2021 and December 31, 2020, the gross amount of unrecognized tax benefits was immaterial to Bancorp's consolidated financial statements. Federal income tax returns are subject to examination for the years after 2017 and state income tax returns are subject to examination for the years after 2016.

The effects of temporary differences that gave rise to significant portions of DTAs and DTLs follows:

December 31, (in thousands)	2021	2020
Deferred tax assets:		
Allowance for credit losses	\$ 13,354	\$ 12,854
Deferred compensation	6,245	5,903
Operating lease liability	3,951	3,214
State net operating loss	2,217	2,838
Deferred PPP loan fees	1,186	2,592
Accrued expenses	3,345	3,074
Investments in tax credit partnerships	747	935
Securities	1,171	—
Loans	808	562
Other assets	343	91
Write-downs and costs associated with other real estate owned	21	26
Total deferred tax assets	33,388	32,089
Deferred tax liabilities:		
Right-of-use operating lease asset	3,706	2,996
Property and equipment	970	1,116
Securities	—	3,258
Loan costs	968	951
Mortgage servicing rights	1,088	637
Leases	221	224
Core deposit intangible	1,077	151
Other liabilities	1,018	343
Total deferred tax liabilities	9,048	9,676
Valuation allowance	—	(93)
Net deferred tax asset	\$ 24,340	\$ 22,320

A valuation allowance is recognized for a DTA if, based on the weight of available evidence, it is more likely than not that some portion of the entire DTA will not be realized. Ultimate realization of DTAs is dependent upon generation of future taxable income during periods in which those temporary differences become deductible. Management considers scheduled reversal of DTLs, projected future taxable income and tax planning strategies in making this assessment. Based upon the level of historical taxable income and projection for future taxable income over periods which the temporary differences resulting in remaining DTAs are deductible, management believes it is more likely than not that Bancorp will realize the benefits of these deductible differences at December 31, 2021.

Realization of DTAs associated with investment in tax credit partnerships is dependent upon generating sufficient taxable capital gain income prior to their expiration. A valuation allowance of \$0 and \$93,000 reflects management's estimate of the temporary deductible differences that may expire prior to their utilization and has been recorded as of December 31, 2021 and 2020, respectively. In addition, realization of DTAs are evaluated for net operating losses that will not be utilized prior to their expiration. The Kentucky losses are beginning to be utilized in 2021 when Bancorp begins filing a combined Kentucky income tax return with the Bank. A valuation allowance was previously maintained for the loss that expired in 2020. The loss carryforward is \$56 million and expires over varying periods through 2040.

(10) Deposits

The composition of the Bank's deposits follows:

December 31, (in thousands)	2021	2020
Non-interest bearing demand deposits	\$ 1,755,754	\$ 1,187,057
Interest bearing deposits:		
Interest bearing demand	2,131,928	1,355,985
Savings	415,258	208,774
Money market	1,050,352	844,414
Time deposit accounts of \$250,000 or more	89,745	73,065
Other time deposits	344,477	319,339
Total time deposits(1)	434,222	392,404
Total interest bearing deposits	4,031,760	2,801,577
Total deposits	<u>\$ 5,787,514</u>	<u>\$ 3,988,634</u>

(1) Includes \$5 million and \$25 million in brokered deposits as of December 31, 2021 and 2020, respectively.

At acquisition date, deposits totaling \$1.04 billion were assumed as a result of the KB acquisition.

Interest expense related to certificates of deposit and other time deposits in denominations of \$250,000 or more was \$464,000, \$888,000 and \$1.3 million for the years ended December 31, 2021, 2020 and 2019, respectively.

At December 31, 2021, the scheduled maturities of all time deposits were as follows:

(in thousands)	
2022	\$ 320,741
2023	70,089
2024	26,333
2025	9,462
2026	7,515
Beyond five years	82
Total time deposits	<u>\$ 434,222</u>

Deposits of directors and their associates, including deposits of companies for which directors are principal owners, and executive officers were \$104 million and \$98 million at December 31, 2021 and 2020, respectively.

At December 31, 2021 and 2020, Bancorp had \$612,000 and \$393,000 of deposits accounts in overdraft status and thus have been reclassified to loans on the accompanying consolidated balance sheets.

(11) Securities Sold Under Agreements to Repurchase

SSUAR represent a funding source of Bancorp and are used by commercial customers in conjunction with collateralized corporate cash management accounts. Such repurchase agreements are considered financing agreements and mature within one business day from the transaction date. At December 31, 2021, all of these financing arrangements had overnight maturities and were secured by government sponsored enterprise obligations and government agency mortgage-backed securities which were owned and controlled by Bancorp.

Information regarding SSUAR follows:

December 31, (dollars in thousands)	2021		2020		
Outstanding balance at end of period	\$	75,466	\$	47,979	
Weighted average interest rate at end of period		0.04%		0.05%	
Years Ended December 31, (dollars in thousands)	2021		2020		2019
Average outstanding balance during the period	\$	62,534	\$	40,363	\$ 38,555
Average interest rate during the period		0.04%		0.09%	0.26%
Maximum outstanding at any month end during the period	\$	81,964	\$	47,979	\$ 52,599

(12) FHLB Advances

At December 31, 2021, Bancorp had no outstanding FHLB advances as a result of scheduled maturities and elective pay downs during 2021, with the last advance maturing on December 6, 2021. As of December 31, 2020, Bancorp had 37 separate advances totaling \$32 million outstanding. FHLB advances totaling \$91 million were assumed on May 31, 2021 in relation to the KB acquisition, all of which were paid off immediately upon acquisition.

The elective pay offs noted above were made in the first and second quarters of 2021. During the first quarter of 2021, Bancorp elected to pay down certain advances prior to maturity without incurring pre-payment penalties. During the second quarter of 2021, Bancorp paid off \$14 million of term advances, with a weighted average cost of 2.03%, prior to their maturity incurring an early-termination fee of \$474,000. Bancorp based this decision on its excess liquidity position driven by the substantial deposit growth it achieved over the past year, combined with consideration for the cost of the advances and a break-even analysis.

Information regarding FHLB advances follows:

December 31, (dollars in thousands)	2021		2020	
Outstanding balance at end of period	\$	-	\$	31,639
Weighted average interest rate at end of period		-%		1.52%

FHLB advances are collateralized by certain CRE and residential real estate mortgage loans under blanket mortgage collateral pledge agreements, as well as a portion Bancorp's PPP loan portfolio and FHLB stock. Bancorp views these advances as an effective lower-costing alternative to brokered deposits to fund loan growth. At December 31, 2021 and December 31, 2020, the amount of available credit from the FHLB totaled \$1.00 billion and \$804 million, respectively.

Bancorp also had \$80 million FFP lines available from correspondent banks at both December 31, 2021 and December 31, 2020, respectively.

(13) Accumulated Other Comprehensive Income (Loss)

The following table illustrates activity within the balances in AOCI by component:

<i>(in thousands)</i>	Net unrealized gains (losses) on available for sale debt securities	Net unrealized gains (losses) on cash flow hedges	Minimum pension liability adjustment	Total
Balance, January 1, 2019	\$ (5,330)	\$ 408	\$ (220)	\$ (5,142)
Net current period other comprehensive income (loss)	6,415	(447)	(149)	5,819
Balance, December 31, 2019	<u>\$ 1,085</u>	<u>\$ (39)</u>	<u>\$ (369)</u>	<u>\$ 677</u>
Balance, January 1, 2020	\$ 1,085	\$ (39)	\$ (369)	\$ 677
Net current period other comprehensive income (loss)	8,224	(82)	(78)	8,064
Balance, December 31, 2020	<u>\$ 9,309</u>	<u>\$ (121)</u>	<u>\$ (447)</u>	<u>\$ 8,741</u>
Balance, January 1, 2021	\$ 9,309	\$ (121)	\$ (447)	\$ 8,741
Net current period other comprehensive income (loss)	(16,966)	121	164	(16,681)
Balance, December 31, 2021	<u>\$ (7,657)</u>	<u>\$ -</u>	<u>\$ (283)</u>	<u>\$ (7,940)</u>

(14) Preferred Stock and Common Stock

Bancorp has one class of preferred stock (no par value; 1,000,000 shares authorized); the relative rights, preferences and other terms of the class or any series within the class will be determined by the Board of Directors prior to any issuance. None of this stock has been issued to date.

(15) Net Income per Share

The following table reflects net income (numerator) and average shares outstanding (denominator) for basic and diluted net income per share computations:

(dollars in thousands, except per share data)

Years Ended December 31,	2021	2020	2019
Net income	\$ 74,645	\$ 58,869	\$ 66,067
Weighted average shares outstanding - basic	24,898	22,563	22,598
Dilutive securities	258	205	267
Weighted average shares outstanding - diluted	25,156	22,768	22,865
Net income per share - basic	\$ 3.00	\$ 2.61	\$ 2.92
Net income per share - diluted	\$ 2.97	\$ 2.59	\$ 2.89

Certain SARs that were excluded from the EPS calculation because their impact was antidilutive follows:

Years Ended December 31, (shares in thousands)	2021	2020	2019
Antidilutive SARs	—	202	199

(16) Employee Benefit Plans

Bancorp has a combined employee stock ownership and defined contribution plan. The plan is available to all employees meeting certain eligibility requirements. In general, for employees who work more than 1,000 hours per year, Bancorp matches employee contributions up to 6% of the employee's salary, and contributes an amount of Bancorp stock equal to 2% of the employee's salary. Employer matching expenses related to contributions to the plan for 2021, 2020, and 2019 were \$3.3 million, \$2.9 million and \$2.6 million and are recorded on the consolidated statements of income within employee benefits. Employee and employer contributions are made in accordance with the terms of the plan. As of December 31, 2021 and 2020, the KSOP held 445,000 and 493,000 shares of Bancorp stock, respectively.

In addition, Bancorp has non-qualified plans into which directors and certain senior officers may defer director fees or salary/incentives. Bancorp matched certain executives' deferrals into the senior officers' plan amounting to approximately \$224,000, \$214,000 and \$241,000 in 2021, 2020 and 2019, respectively. At both December 31, 2021 and 2020, the amounts included in other liabilities in the consolidated financial statements for this plan were \$11 million, respectively. The total was comprised primarily of participants' contributions, and represented the fair value of mutual fund investments directed by plan participants.

Bancorp sponsors an unfunded, non-qualified, defined benefit retirement plan for two key officers (one current officer and one retired officer), and has no plans to increase the number of or the benefits to participants. All participants are fully vested based on 25 years of service. Bancorp uses a December 31 measurement date for this plan. The accumulated benefit obligation for the plan included in other liabilities in the consolidated financial statements was \$2.1 million and \$1.9 million as of December 31, 2021 and December 31, 2020, respectively. Actuarially determined pension costs are expensed and accrued over the service period and benefits are paid from Bancorp's assets. Bancorp maintains life insurance policies, for which it is the beneficiary, for defined benefit plan participants and certain former executives. Income from these policies serves to offset costs of benefits. The liability for Bancorp's plan met the benefit obligation as of December 31, 2021 and 2020. Net periodic benefit cost was immaterial for all periods.

Benefits expected to be paid in future periods follows:

(in thousands)

2022	\$	—
2023		—
2024		137
2025		137
2026		219
2027 and thereafter		2,785
Total future payments	\$	<u>3,278</u>

Expected benefits to be paid are based on the same assumptions used to measure Bancorp's benefit obligation at December 31, 2021. There are no obligations for other post-retirement or post-employment benefits.

(17) Stock-Based Compensation

The fair value of all stock-based awards granted, net of estimated forfeitures, is recognized as compensation expense over the respective service period.

At Bancorp's 2015 Annual Meeting of Shareholders, shareholders approved the 2015 Omnibus Equity Compensation Plan and authorized the shares available from the expiring 2005 plan for future awards under the 2015 plan. In 2018 shareholders approved an additional 500,000 shares for issuance under the plan. As of December 31, 2021, there were 368,000 shares available for future awards. The 2005 Stock Incentive Plan expired in April 2015 and SARs granted under this plan expire as late as 2025. The 2015 Stock Incentive Plan has no defined expiration date.

SAR Grants – SARs granted have a vesting schedule of 20% per year and expire ten years after the grant date unless forfeited due to employment termination.

Fair values of SARs are estimated at the date of grant using the Black-Scholes option pricing model, a leading formula for calculating such value. The model requires the input of assumptions, changes to which can materially affect the fair value estimate. The following assumptions were used in SAR valuations at the grant date in each year:

	2021	2020	2019
Dividend yield	2.52%	2.51%	2.54%
Expected volatility	25.19%	20.87%	20.39%
Risk free interest rate	1.22%	1.25%	2.52%
Expected life of SARs (in years)	7.1	7.1	7.2

Dividend yield and expected volatility are based on historical information for Bancorp corresponding to the expected life of SARs granted. Expected volatility is the volatility of underlying shares for the expected term calculated on a monthly basis. The risk free interest rate is the implied yield currently available on U.S. Treasury issues with a remaining term equal to the expected life of the awards. The expected life of SARs is based on actual experience of past like-term SARs. Bancorp evaluates historical exercise and post-vesting termination behavior when determining the expected life.

RSA Grants – RSAs granted to officers vest over five years. For all grants prior to 2015, grantees are entitled to dividend payments during the vesting period. Fair value of RSAs is equal to the market value of the shares on the date of grant.

PSU Grants – PSUs vest based upon service and a three-year performance period, which begins January 1 of the first year of the performance period. Because grantees are not entitled to dividend payments during the performance period, the fair value of these PSUs is estimated based upon the market value of the underlying shares on the date of grant, adjusted for non-payment of dividends. Grants require a one year post-vesting holding period and the fair value of such grants incorporates a liquidity discount related to the holding period of 6.1%, 4.4% and 4.1% for 2021, 2020, and 2019, respectively.

RSU Grants – RSUs are only granted to non-employee directors, are time-based and vest 12 months after grant date. Because grantees are entitled to deferred dividend payments at the end of the vesting period, fair value of the RSUs equals market value of underlying shares on the date of grant.

In the first quarters of 2021 and 2020, Bancorp awarded 7,758 and 6,570 RSUs to non-employee directors of Bancorp with a grant date fair value of \$315,000 and \$270,000, respectively.

Bancorp utilized cash of \$208,000 and \$224,000 during 2021 and 2020, respectively, for the purchase of shares upon the vesting of RSUs.

Bancorp has recognized stock-based compensation expense for SARs, RSAs, and PSUs within compensation expense, and RSUs for directors within other non-interest expense, as follows:

	Year Ended December 31, 2021				
<i>(in thousands)</i>	Stock Appreciation Rights	Restricted Stock Awards	Restricted Stock Units	Performance Stock Units	Total
Expense	\$ 352	\$ 1,288	\$ 312	\$ 2,613	\$ 4,565
Deferred tax benefit	(74)	(271)	(66)	(549)	(960)
Total net expense	<u>\$ 278</u>	<u>\$ 1,017</u>	<u>\$ 246</u>	<u>\$ 2,064</u>	<u>\$ 3,605</u>

	Year Ended December 31, 2020				
<i>(in thousands)</i>	Stock Appreciation Rights	Restricted Stock Awards	Restricted Stock Units	Performance Stock Units	Total
Expense	\$ 352	\$ 1,346	\$ 270	\$ 1,294	\$ 3,262
Deferred tax benefit	(74)	(283)	(57)	(272)	(686)
Total net expense	<u>\$ 278</u>	<u>\$ 1,063</u>	<u>\$ 213</u>	<u>\$ 1,022</u>	<u>\$ 2,576</u>

	Year Ended December 31, 2019				
<i>(in thousands)</i>	Stock Appreciation Rights	Restricted Stock Awards	Restricted Stock Units	Performance Stock Units	Total
Expense	\$ 345	\$ 1,185	\$ 329	\$ 1,719	\$ 3,578
Deferred tax benefit	(72)	(249)	(69)	(361)	(751)
Total net expense	<u>\$ 273</u>	<u>\$ 936</u>	<u>\$ 260</u>	<u>\$ 1,358</u>	<u>\$ 2,827</u>

Detail of unrecognized stock-based compensation expense follows:

<i>(in thousands)</i> Year Ended	Stock Appreciation Rights	Restricted Stock Awards	Restricted Stock Units	Performance Stock Units	Total
2022	\$ 309	\$ 1,069	\$ 3	\$ 1,506	\$ 2,887
2023	234	865	—	700	1,799
2024	127	623	—	—	750
2025	68	374	—	—	442
2026	11	34	—	—	45
Total estimated expense	<u>\$ 749</u>	<u>\$ 2,965</u>	<u>\$ 3</u>	<u>\$ 2,206</u>	<u>\$ 5,923</u>

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The following table summarizes **SARs** activity and related information:

<i>(dollars in thousands, except per share and years)</i>	SARs	Exercise price	Weighted average exercise price	Aggregate intrinsic value(1)	Weighted average fair value	Weighted average remaining contractual life (in years)
Outstanding, January 1, 2019	731	\$14.02 - \$40.00	\$ 22.42	\$ 8,422	\$ 3.83	5.2
Granted	53	36.65 - 38.18	37.01	213	6.24	
Exercised	(143)	14.02 - 22.96	15.99	3,025	3.47	
Forfeited	—	—	—	—	—	
Outstanding, December 31, 2019	<u>641</u>	\$14.02 - \$40.00	\$ 25.06	\$ 10,250	\$ 4.10	5.3
Outstanding, January 1, 2020	641	\$14.02 - \$40.00	\$ 25.06	\$ 10,250	\$ 4.10	5.3
Granted	48	37.30 - 37.30	37.30	154	5.80	
Exercised	(96)	14.02 - 25.76	16.33	2,401	2.88	
Forfeited	—	—	—	—	—	
Outstanding, December 31, 2020	<u>593</u>	- \$40.00	\$ 27.47	\$ 7,706	\$ 4.44	5.1
Outstanding, January 1, 2021	593	\$15.24 - \$40.00	\$ 27.47	\$ 7,706	\$ 4.44	5.1
Granted	30	47.17 - 50.71	50.48	—	9.69	
Exercised	(108)	15.24 - 19.37	16.40	4,239	2.85	
Forfeited	—	—	—	—	—	
Outstanding, December 31, 2021	<u>515</u>	\$15.24 - \$50.71	\$ 31.16	\$ 16,854	\$ 5.08	5.1
Vested and exercisable	368	\$15.24 - \$40.00	\$ 27.50	\$ 13,369	\$ 4.40	4.1
Unvested	147	35.90 - 50.71	40.27	3,485	6.79	7.6
Outstanding, December 31, 2021	<u>515</u>	\$15.24 - \$50.71	\$ 31.16	<u>\$ 16,854</u>	\$ 5.08	5.1
Vested in the current year	64	\$25.7 - \$40.00	\$ 34.87	\$ 1,828	\$ 5.45	

(1) - Intrinsic value for SARs is defined as the amount by which the current market price of the underlying stock exceeds the exercise or grant price.

SARs outstanding by expiration year follows:

(in thousands, except per share data)

Expiration Year	SARs Outstanding	SARs Exercisable	Weighted Average Exercise Price
2022	12	12	\$ 15.30
2023	40	40	15.26
2024	43	43	19.38
2025	63	63	23.00
2026	79	79	25.85
2027	46	38	40.00
2028	100	62	37.75
2029	53	21	37.01
2030	48	10	37.30
2031	31	—	50.48
	<u>515</u>	<u>368</u>	<u>\$ 31.16</u>

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The following table summarizes activity for **RSAs** granted to officers:

<i>(in thousands, except per share data)</i>	RSAs	Weighted average cost at grant date
Unvested at January 1, 2019	110	\$ 32.09
Shares awarded	40	34.88
Restrictions lapsed and shares vested	(40)	28.74
Shares forfeited	(2)	35.36
Unvested at December 31, 2019	<u>108</u>	<u>\$ 34.31</u>
Unvested at January 1, 2020	108	\$ 34.31
Shares awarded	36	39.30
Restrictions lapsed and shares vested	(41)	32.38
Shares forfeited	(4)	36.63
Unvested at December 31, 2020	<u>99</u>	<u>\$ 36.85</u>
Unvested at January 1, 2021	99	\$ 36.85
Shares awarded	39	46.90
Restrictions lapsed and shares vested	(34)	35.48
Shares forfeited	(5)	40.81
Unvested at December 31, 2021	<u>99</u>	<u>\$ 41.07</u>

Shares expected to be awarded for **PSUs** granted to executive officers of Bancorp, the three-year performance period, which began January 1 of the award year, are as follows:

Grant Year	Vesting Period in Years	Fair Value	Expected Shares to be Awarded
2019	3	\$ 32.03	62,291
2020	3	32.27	65,111
2021	3	44.44	47,280

All Bancorp equity compensation plans have been approved by shareholders. The following table provides detail of the number of shares to be issued upon exercise of outstanding stock-based awards and remaining shares available for future issuance under Bancorp's equity compensation plan as of December 31, 2021.

Plan category (in thousands)	Number of shares to be issued upon exercising/vesting	Weighted average exercise price	Shares available for future issuance (a)
Equity compensation plans approved by security holders:			
Stock Appreciation Rights	(b)	(b)	368
Restricted Stock Awards	99	N/A	(a)
Restricted Stock Units	8	N/A	(a)
Performance Stock Units	(c)	N/A	(a)
Total shares	107		368

- (a) Under the 2015 Omnibus Equity Compensation Plan, shares of stock are authorized for issuance as incentive and non-qualified stock options, SARs, RSAs, and RSUs.
- (b) At December 31, 2021, approximately 515,000 SARs were outstanding at a weighted average grant price of \$31.16. The number of shares to be issued upon exercise will be determined based on the difference between the grant price and the market price at the date of exercise.
- (c) The number of shares to be issued is dependent upon Bancorp achieving certain predefined performance targets and ranges from zero shares to approximately 175,000 shares. As of December 31, 2021, shares expected to be awarded total approximately 175,000.

(18) Dividends

Bancorp's principal source of cash revenue is dividends paid to it as the sole shareholder of the Bank. At any balance sheet date, the Bank's regulatory dividend restriction represents the Bank's net income of the current year plus the prior two years less any dividends paid for the same time period. At December 31, 2021, the Bank may pay an amount equal to \$53 million in dividends to Bancorp without regulatory approval subject to ongoing capital requirements of the Bank.

(19) Commitments and Contingent Liabilities

As of December 31, 2021 and 2020, Bancorp had various commitments outstanding that arose in the normal course of business which are properly not reflected in the consolidated financial statements. Total off-balance sheet commitments to extend credit follows:

December 31, (in thousands)	2021	2020
Commercial and industrial	\$ 625,858	\$ 555,077
Construction and development	292,351	266,550
Home equity lines of credit	247,885	175,132
Credit cards	40,471	32,321
Overdrafts	51,104	33,564
Letters of credit	30,779	24,425
Other	76,721	54,385
Future loan commitments	325,983	249,318
Total off balance sheet commitments to extend credit	<u>\$ 1,691,152</u>	<u>\$ 1,390,772</u>

Commitments to extend credit are an agreement to lend to a customer either unsecured or secured, as long as collateral is available as agreed upon and there is no violation of any condition established in the contract. Commitments generally have fixed expiration dates or other termination clauses. Since some of the commitments are expected to expire without being drawn upon, the total commitment amounts do not represent future cash requirements. Bancorp uses the same credit and collateral policies in making commitments and conditional guarantees as for on-balance sheet instruments. Bancorp evaluates each customer's creditworthiness on a case-by-case basis. The amount of collateral obtained is based on management's credit evaluation of the customer. Collateral held varies but may include accounts receivable, inventory, securities, equipment and real estate. However, should the commitments be drawn upon and should our customers default on their resulting obligation to us, our maximum exposure to credit loss, without consideration of collateral, is represented by the contractual amount of those instruments.

At December 31, 2021 and December 31, 2020, Bancorp had accrued \$3.5 million and \$5.4 million, respectively, in other liabilities for its estimate of inherent risks related to unfunded credit commitments. Reductions of the ACL for off balance sheet credit exposures totaling \$2.2 million were recorded for the year ended December 31, 2021, as a result of continued improvement in line of credit utilization, attributed largely to the C&I lines of credit portfolio, and improved CECL model factors. Partially offsetting these reductions was the loan portfolio added through the KB acquisition, which resulted in a \$250,000 increase in the ACL for off balance sheet credit exposures at acquisition date with no corresponding impact on earnings.

Standby letters of credit are conditional commitments issued by Bancorp to guarantee the performance of a customer to a first party beneficiary. Those guarantees are primarily issued to support commercial transactions. Standby letters of credit generally have maturities of one to two years.

Certain commercial customers require confirmation of Bancorp's letters of credit by other banks since Bancorp does not have a rating by a national rating agency. Terms of the agreements range from one month to a year with certain agreements requiring between one and six months' notice to cancel. If an event of default on all contracts had occurred at December 31, 2021, Bancorp would have been required to make payments of approximately \$3 million, or the maximum amount payable under those contracts. No payments have ever been required because of default on these contracts. These agreements are normally secured by collateral acceptable to Bancorp, which limits credit risk associated with the agreements.

As of December 31, 2021, in the normal course of business, there were pending legal actions and proceedings in which claims for damages are asserted. Management, after discussion with legal counsel, believes the ultimate result of these legal actions and proceedings will not have a material adverse effect on the consolidated financial position or results of operations of Bancorp.

(20) Assets and Liabilities Measured and Reported at Fair Value

Fair value represents the exchange price that would be received for an asset or paid to transfer a liability (exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. There are three levels of inputs that may be used to measure fair values:

Level 1 – Quoted prices (unadjusted) for identical assets or liabilities in active markets that the entity has the ability to access as of the measurement date.

Level 2 – Significant other observable inputs other than Level 1 prices such as quoted prices for similar assets or liabilities; quoted prices in markets that are not active; or other inputs that are observable or can be corroborated by observable market data.

Level 3 – Significant unobservable inputs that reflect a company's own assumptions about the assumptions that market participants would use in pricing an asset or liability.

Authoritative guidance requires maximization of use of observable inputs and minimization of use of unobservable inputs in fair value measurements. Where there exists limited or no observable market data, Bancorp derives its own estimates by generally considering characteristics of the asset/liability, the current economic and competitive environment and other factors. For this reason, results cannot be determined with precision and may not be realized on an actual sale or immediate settlement of the asset or liability.

Bancorp's AFS debt securities portfolio and interest rate swaps are recorded at fair value on a recurring basis.

Bancorp's AFS debt securities are priced using either quoted prices of identical securities in an active market (Level 1) or standard industry models or matrices with various assumptions such as yield curves, volatility, prepayment speeds, default rates, time value, credit rating and market prices for similar instruments, which are assumptions observable in the market place and can be derived from or supported by observable data (Level 2).

Fair value measurements for interest rate swaps are based on benchmark forward yield curves and other relevant observable market data. For purposes of potential valuation adjustments to derivative positions, Bancorp evaluates the credit risk of its counterparties as well as its own credit risk. To date, Bancorp has not realized any losses due to counterparty's inability to perform and the change in value of derivative assets and liabilities attributable to credit risk was not significant during the reporting period. Interest rate swaps are valued using primarily Level 2 inputs.

MSRs, collateral dependent loans and OREO are recorded at fair value on a non-recurring basis, generally in the application of lower of cost or market adjustments or write-downs of specific assets.

Carrying values of assets measured at fair value on a recurring basis follows:

December 31, 2021 (in thousands)	Fair Value Measurements Using			Total
	Level 1	Level 2	Level 3	Fair Value
Assets:				
Available for sale debt securities:				
U.S. Treasury and other U.S. Government obligations	\$ 122,501	\$ —	\$ —	\$ 122,501
Government sponsored enterprise obligations	—	135,021	—	135,021
Mortgage backed securities - government agencies	—	846,624	—	846,624
Obligations of states and political subdivisions	—	75,075	—	75,075
Other	—	1,077	—	1,077
Total available for sale debt securities	122,501	1,057,797	—	1,180,298
Interest rate swaps	—	3,148	—	3,148
Total assets	\$ 122,501	\$ 1,060,945	\$ —	\$ 1,183,446
Liabilities:				
Interest rate swaps	\$ —	\$ 3,162	\$ —	\$ 3,162
December 31, 2020 (in thousands)	Fair Value Measurements Using:			Total
	Level 1	Level 2	Level 3	Fair Value
Assets:				
Available for sale debt securities:				
Government sponsored enterprise obligations	\$ —	\$ 138,078	\$ —	\$ 138,078
Mortgage backed securities - government agencies	—	437,585	—	437,585
Obligations of states and political subdivisions	—	11,315	—	11,315
Total available for sale debt securities	—	586,978	—	586,978
Interest rate swaps	—	8,374	—	8,374
Total assets	\$ —	\$ 595,352	\$ —	\$ 595,352
Liabilities:				
Interest rate swaps	\$ —	\$ 8,391	\$ —	\$ 8,391

There were no transfers into or out of Level 3 of the fair value hierarchy during 2021 or 2020.

For the securities portfolio, Bancorp monitors the valuation technique used by pricing agencies to ascertain when transfers between levels have occurred. The nature of other assets and liabilities measured at fair value is such that transfers in and out of any level are expected to be rare. For the year ended December 31, 2021, there were no transfers between Levels 1, 2, or 3.

Bancorp had no financial instruments classified within Level 3 of the valuation hierarchy for assets and liabilities measured at fair value on a recurring basis at December 31, 2021 or 2020.

Discussion of assets measured at fair value on a non-recurring basis follows:

MSRs – On at least a quarterly basis, MSRs are evaluated for impairment based upon the fair value of the MSRs as compared to carrying amount. Fair value is based on a valuation model that calculates the present value of estimated net servicing income. The model incorporates assumptions that market participants would use in estimating future net servicing income. These measurements are classified as Level 3. At December 31, 2021 and 2020, there was no valuation allowance for MSRs, as the fair value exceeded the cost. Accordingly, the MSRs are not included in the following tabular disclosure for December 31, 2021 or 2020.

Collateral dependent loans – For collateral-dependent loans where Bancorp has determined that foreclosure of the collateral is probable, or where the borrower is experiencing financial difficulty and the Company expects repayment of the loan to be provided substantially through the operation or sale of the collateral, the ACL is measured based on the difference between the fair value of the collateral and the amortized cost basis of the loan as of the measurement date. For real estate loans, fair value of the loan's collateral is determined by third party or internal appraisals, which are then adjusted for the estimated selling and closing costs related to liquidation of the collateral. For this asset class, the actual valuation methods (income, comparable sales, or cost) vary based on the status of the project or property. Bancorp reviews the appraisal for appropriateness and adjusts the value downward to consider selling and closing costs, which typically range from 8% to 10% of the appraised value. For non-real estate loans, fair value of the loan's collateral may be determined using an appraisal, net book value per the borrower's financial statements, or aging reports, adjusted or discounted based on management's historical knowledge, changes in market conditions from the time of the valuation and management's expertise and knowledge of the client and client's business.

OREO – OREO is primarily comprised of real estate acquired in partial or full satisfaction of loans. OREO is recorded at its estimated fair value less estimated selling and closing costs at the date of transfer, with any excess of the related loan balance over the fair value less expected selling costs charged to the ACL. Subsequent changes in fair value are reported as adjustments to the carrying amount and are recorded against earnings. Bancorp obtains the valuation of OREO with material balances from third party or internal appraisers. For this asset class, the actual valuation methods (income, sales comparable, or cost) vary based on the status of the project or property. Bancorp reviews the third party appraisal for appropriateness and adjusts the value downward to consider selling and closing costs, which typically range from 8% to 10% of the appraised value.

Below are carrying values of assets measured at fair value on a non-recurring basis:

(in thousands) December 31, 2021	Fair Value Measurement Using			Total Fair Value	Losses recorded for the year ended December 31, 2021
	Level 1	Level 2	Level 3		
Collateral dependent loans	\$ —	\$ —	\$ 4,487	\$ 4,487	\$ 891
Other real estate owned	—	—	7,212	7,212	17

(in thousands) December 31, 2020	Fair Value Measurement Using:			Total Fair Value	Losses recorded for the year ended December 31, 2020
	Level 1	Level 2	Level 3		
Collateral dependent loans	\$ —	\$ —	\$ 7,546	\$ 7,546	\$ 59
Other real estate owned	—	—	281	281	52

(in thousands) December 31, 2019	Fair Value Measurement Using:			Total Fair Value	Losses recorded for the year ended December 31, 2019
	Level 1	Level 2	Level 3		
Collateral dependent loans	\$ —	\$ —	\$ 7,253	\$ 7,253	\$ 20
Other real estate owned	—	—	493	493	70

There were no liabilities measured at fair value on a non-recurring basis at December 31, 2021 and December 31, 2020.

For Level 3 assets measured at fair value on a non-recurring basis, the significant unobservable inputs used in the fair value measurements are presented below.

(dollars in thousands)	December 31, 2021			
	Fair Value	Valuation Technique	Unobservable Inputs	Weighted Average
Collateral dependent loans	\$ 4,487	Appraisal	Appraisal discounts	41.1%
Other real estate owned	7,212	Appraisal	Appraisal discounts	31.6

(dollars in thousands)	December 31, 2020			
	Fair Value	Valuation Technique	Unobservable Inputs	Weighted Average
Impaired loans - collateral dependent	\$ 7,546	Appraisal	Appraisal discounts	10.7%
Other real estate owned	281	Appraisal	Appraisal discounts	36.0

(21) Disclosure of Financial Instruments Not Reported at Fair Value

GAAP requires disclosure of the fair value of financial assets and liabilities, including those financial assets and financial liabilities that are not measured and reported at fair value on a recurring basis or nonrecurring basis. The estimated fair values of Bancorp's financial instruments not measured at fair value on a recurring or non-recurring basis follows:

December 31, 2021 <i>(in thousands)</i>	Carrying amount	Fair value	Fair Value Measurements Using:			
			Level 1	Level 2	Level 3	
Assets						
Cash and cash equivalents	\$ 961,192	\$ 961,192	\$ 961,192	\$ —	\$ —	
Mortgage loans held for sale	8,614	8,818	—	8,818	—	
Federal Home Loan Bank stock	9,376	9,376	—	9,376	—	
Loans, net	4,115,405	4,129,091	—	—	4,129,091	
Accrued interest receivable	13,745	13,745	13,745	—	—	
Liabilities						
Non-interest bearing deposits	\$ 1,755,754	\$ 1,755,754	\$ 1,755,754	\$ —	\$ —	
Transaction deposits	3,597,538	3,597,538	—	3,597,538	—	
Time deposits	434,222	433,813	—	433,813	—	
Securities sold under agreement to repurchase	75,466	75,466	—	75,466	—	
Federal funds purchased	10,374	10,374	—	10,374	—	
Accrued interest payable	300	300	300	—	—	

December 31, 2020 <i>(in thousands)</i>	Carrying amount	Fair value	Fair Value Measurements Using:			
			Level 1	Level 2	Level 3	
Assets						
Cash and cash equivalents	\$ 317,945	\$ 317,945	\$ 317,945	\$ —	\$ —	
Mortgage loans held for sale	22,547	23,389	—	23,389	—	
Federal Home Loan Bank stock	11,284	11,284	—	11,284	—	
Loans, net	3,479,676	3,513,916	—	—	3,513,916	
Accrued interest receivable	13,094	13,094	13,094	—	—	
Liabilities						
Non-interest bearing deposits	\$ 1,187,057	\$ 1,187,057	\$ 1,187,057	\$ —	\$ —	
Transaction deposits	2,409,173	2,409,173	—	2,409,173	—	
Time deposits	392,404	395,734	—	395,734	—	
Securities sold under agreement to repurchase	47,979	47,979	—	47,979	—	
Federal funds purchased	11,464	11,464	—	11,464	—	
Federal Home Loan Bank advances	31,639	33,180	—	33,180	—	
Accrued interest payable	391	391	391	—	—	

Fair value estimates are made at a specific point in time based on relevant market information and information about financial instruments. Because no market exists for a significant portion of Bancorp's financial instruments, fair value estimates are based on judgments regarding future expected loss experience, current economic conditions, risk characteristics of various financial instruments and other factors. These estimates are subjective in nature and involve uncertainties and matters of significant judgment and therefore cannot be determined with precision. Therefore, calculated fair value estimates in many instances cannot be substantiated by comparison to independent markets and, in many cases, may not be realizable in a current sale of the instrument. Changes in assumptions could significantly impact estimates.

(22) Derivative Financial Instruments

Periodically, Bancorp enters into interest rate swap transactions with borrowers who desire to hedge exposure to rising interest rates, while at the same time entering into an offsetting interest rate swap, with substantially matching terms, with another approved independent counterparty. These are undesignated derivative instruments and are recognized on the balance sheet at fair value. Because of matching terms of offsetting contracts and collateral provisions mitigating any non-performance risk, changes in fair value subsequent to initial recognition have an insignificant effect on earnings. Exchanges of cash flows related to undesignated interest rate swap agreements were offsetting and therefore had no effect on Bancorp's earnings or cash flows.

Interest rate swap agreements derive their value from underlying interest rates. These transactions involve both credit and market risk. Notional amounts are amounts on which calculations, payments and the value of the derivative are based. Notional amounts do not represent direct credit exposures. Direct credit exposure is limited to the net difference between the calculated amounts to be received and paid, if any. Bancorp is exposed to credit-related losses in the event of non-performance by counterparties to these agreements. Bancorp mitigates the credit risk of its financial contracts through credit approvals, collateral and monitoring procedures, and does not expect any counterparties to fail their obligations.

Bancorp had outstanding undesignated interest rate swap contracts as follows:

	Receiving		Paying	
	December 31, 2021	December 31, 2020	December 31, 2021	December 31, 2020
<i>(dollars in thousands)</i>				
Notional amount	\$ 123,983	\$ 119,940	\$ 123,983	\$ 119,940
Weighted average maturity (years)	7.2	7.8	7.2	7.8
Fair value	\$ 3,148	\$ 8,374	\$ 3,162	\$ 8,391

In 2016, Bancorp entered into an interest rate swap to hedge cash flows of a \$10 million rolling fixed-rate three-month FHLB advance that matured on December 6, 2021 and was not renewed. For purposes of hedging, rolling fixed rate advances are considered to be floating rate liabilities. Interest rate swaps involve exchange of Bancorp's floating rate interest payments for fixed rate swap payments on underlying principal amounts. These swaps were designated and qualified, for cash-flow hedge accounting. For derivative instruments that are designated and qualify as cash flow hedging instruments, the effective portion of gains or losses is reported as a component of OCI, and is subsequently reclassified into earnings as an adjustment to interest expense in periods for which the hedged forecasted transaction impacts earnings. As of December 31, 2021, Bancorp has no outstanding cash flow hedges.

(23) Regulatory Matters

Bancorp and the Bank are subject to capital regulations in accordance with Basel III, as administered by banking regulators. Regulatory agencies measure capital adequacy within a framework that makes capital requirements, in part, dependent on the individual risk profiles of financial institutions. Failure to meet minimum capital requirements can initiate certain mandatory and possibly additional discretionary actions by regulators that, if undertaken, could have a direct material effect on Bancorp's financial statements. Under capital adequacy guidelines and the regulatory framework for prompt corrective action, the Holding Company and the Bank must meet specific capital guidelines that involve quantitative measures of Bancorp's assets, liabilities and certain off-balance sheet items, as calculated under regulatory accounting practices. The capital amounts and classification are also subject to qualitative judgments by the regulators regarding components, risk weightings and other factors.

Banking regulators have categorized the Bank as well-capitalized. To meet the definition of well-capitalized, a bank must have a minimum 6.5% Common Equity Tier 1 Risk-Based Capital ratio, 8.0% Tier 1 Risk-Based Capital ratio, 10.0% Total Risk-Based Capital ratio and 5.0% Tier 1 Leverage ratio.

Additionally, in order to avoid limitations on capital distributions, including dividend payments and certain discretionary bonus payments to executive officers, Bancorp and the Bank must hold a 2.5% capital conservation buffer composed of Common Equity Tier 1 Risk-Based Capital above the minimum risk-based capital requirements for the Common Equity Tier 1 Risk-Based Capital ratio, Tier 1 Risk-Based Capital ratio and Total Risk-Based Capital ratio necessary to be considered adequately-capitalized. At December 31, 2021, the adequately-capitalized minimums, including the capital conservation buffer, were a 6.0% Common Equity Tier 1 Risk-Based Capital ratio, 8.5% Tier 1 Risk-Based Capital ratio and 10.5% Total Risk-Based Capital ratio. The capital conservation buffer was phased in starting in 2016 at 0.625% and was fully implemented at 2.5% effective January 1, 2019.

Bancorp continues to exceed the regulatory requirements for all calculations. Bancorp and the Bank intend to maintain a capital position that meets or exceeds the "well-capitalized" requirements as defined by the FRB and the FDIC, in addition to the capital conservation buffer.

The following table sets forth consolidated Bancorp's and the Bank's risk based capital amounts and ratios:

<i>(dollars in thousands)</i> December 31, 2021	Actual		Minimum for adequately capitalized		Minimum for well capitalized	
	Amount	Ratio	Amount	Ratio	Amount	Ratio
Total risk-based capital (1)						
Consolidated	\$ 596,411	12.79%	\$ 372,929	8.00%	NA	NA
Bank	577,078	12.42	371,809	8.00	\$ 464,761	10.00%
Common equity tier 1 risk-based capital (1)						
Consolidated	556,590	11.94	209,772	4.50	NA	NA
Bank	537,257	11.56	209,142	4.50	302,095	6.50
Tier 1 risk-based capital (1)						
Consolidated	556,590	11.94	279,696	6.00	NA	NA
Bank	537,257	11.56	278,857	6.00	371,809	8.00
Leverage (2)						
Consolidated	556,590	8.86	251,348	4.00	NA	NA
Bank	537,257	8.57	250,871	4.00	313,588	5.00

(dollars in thousands)

December 31, 2020

	Actual		Minimum for adequately capitalized		Minimum for well capitalized	
	Amount	Ratio	Amount	Ratio	Amount	Ratio
Total risk-based capital (1)						
Consolidated	\$ 470,648	13.36%	\$ 281,887	8.00%	NA	NA
Bank	456,302	12.99	281,106	8.00	\$ 351,383	10.00%
Common equity tier 1 risk-based capital (1)						
Consolidated	430,886	12.23	158,556	4.50	NA	NA
Bank	416,540	11.85	158,122	4.50	228,399	6.50
Tier 1 risk-based capital (1)						
Consolidated	430,886	12.23	211,407	6.00	NA	NA
Bank	416,540	11.85	210,830	6.00	281,106	8.00
Leverage (2)						
Consolidated	430,886	9.57	180,123	4.00	NA	NA
Bank	416,540	9.26	179,845	4.00	224,807	5.00

(1) Ratio is computed in relation to risk-weighted assets.

(2) Ratio is computed in relation to average assets.

NA – Regulatory framework does not define “well-capitalized” for holding companies.

(24) Stock Yards Bancorp, Inc. (parent company only)
Condensed Balance Sheets

<i>(in thousands)</i>	December 31,	
	2021	2020
Assets		
Cash on deposit with subsidiary bank	\$ 3,489	\$ 5,106
Investment in and receivable from subsidiaries	658,901	426,356
Other assets	13,917	9,629
Total assets	\$ 676,307	\$ 441,091
Liabilities and stockholders' equity		
Other liabilities	\$ 438	\$ 390
Total stockholders' equity	675,869	440,701
Total liabilities and stockholders' equity	\$ 676,307	\$ 441,091

Condensed Statements of Income

<i>(in thousands)</i>	Years ended December 31,		
	2021	2020	2019
Income - dividends and interest from subsidiaries	\$ 62,941	\$ 18,050	\$ 72,119
Other income	1	1	2
Less expenses	7,534	3,909	4,935
Income before income taxes and equity in undistributed net income of subsidiary	55,408	14,142	67,186
Income tax benefit	(2,957)	(1,749)	(4,683)
Income before equity in undistributed net income of subsidiary	58,365	15,891	71,869
Equity in undistributed net income of subsidiary	16,280	42,978	(5,802)
Net income	<u>\$ 74,645</u>	<u>\$ 58,869</u>	<u>\$ 66,067</u>
Comprehensive income	<u>\$ 57,964</u>	<u>\$ 66,933</u>	<u>\$ 71,886</u>

Condensed Statements of Cash Flows

(in thousands)	Years ended December 31		
	2021	2020	2019
Operating activities			
Net income	\$ 74,645	\$ 58,869	\$ 66,067
Adjustments to reconcile net income to net cash provided by operating activities: to net cash provided by operating activities:			
Equity in undistributed net income of subsidiaries	(16,280)	(42,978)	5,802
Stock compensation expense	4,565	3,262	3,578
Excess tax benefits from stock- based compensation arrangements	(1,482)	(452)	(812)
Change in other assets	(2,685)	(1,356)	(3,863)
Change in other liabilities	40	17	(82)
Net cash provided by operating activities	58,803	17,362	70,690
Investing activities			
Purchase of AFS equity security	(120)	—	—
Cash for acquisition	(28,276)	—	(28,000)
Net cash used in investing activities	(28,396)	—	(28,000)
Financing activities			
Repurchase of common stock	(3,618)	(2,265)	(11,817)
Share repurchases related to compensation plans	(208)	(224)	(272)
Cash dividends paid	(28,198)	(24,481)	(23,542)
Net cash used in financing activities	(32,024)	(26,970)	(35,631)
Net increase (decrease) in cash	(1,617)	(9,608)	7,059
Cash at beginning of year	5,106	14,714	7,655
Cash at end of year	\$ 3,489	\$ 5,106	\$ 14,714

(25) Segments

Bancorp's principal activities include commercial banking and WM&T. Commercial banking provides a full range of loan and deposit products to individual consumers and businesses. Commercial banking also includes Bancorp's mortgage banking and investment products sales activity. WM&T provides investment management, financial & retirement planning and trust & estate services, as well as retirement plan management for businesses and corporations in all markets in which Bancorp operates. The magnitude of WM&T revenue distinguishes Bancorp from other community banks of similar asset size.

Financial information for each business segment reflects that which is specifically identifiable or allocated based on an internal allocation method. Income taxes are allocated based on the effective federal income tax rate adjusted for any tax-exempt activity. All tax-exempt activity and provision have been allocated fully to the commercial banking segment. Measurement of performance of business segments is based on the management structure of Bancorp and is not necessarily comparable with similar information for any other financial institution. Information presented is also not necessarily indicative of the segments' operations if they were independent entities.

Principally, all of the net assets of Bancorp are involved in the commercial banking segment. Goodwill of \$136 million, of which \$682,000 relates to a bank acquisition in 1996, \$12 million relates to the 2019 KSB acquisition and \$123 million relates to the KB acquisition, has been assigned to the commercial banking segment. Assets assigned to WM&T primarily consist of net premises and equipment and a receivable related to fees earned that have not been collected.

Selected financial information by business segment follows:

As of and for the Year ended December 31, 2021 <i>(in thousands)</i>	Commercial Banking	WM&T	Total
Net interest income	\$ 170,775	\$ 299	\$ 171,074
Provision for credit losses	(753)	—	(753)
Wealth management and trust services	—	27,613	27,613
All other non-interest income	38,237	—	38,237
Non-interest expenses	128,091	14,189	142,280
Income before income tax expense	81,674	13,723	95,397
Income tax expense	17,774	2,978	20,752
Net income	\$ 63,900	\$ 10,745	\$ 74,645
Total assets	\$ 6,641,916	\$ 4,109	\$ 6,646,025

As of and for the Year ended December 31, 2020 <i>(in thousands)</i>	Commercial Banking	WM&T	Total
Net interest income	\$ 135,587	\$ 334	\$ 135,921
Provision for credit losses	18,418	—	18,418
Wealth management and trust services	—	23,406	23,406
All other non-interest income	28,493	—	28,493
Non-interest expenses	88,820	12,839	101,659
Income before income tax expense	56,842	10,901	67,743
Income tax expense	6,508	2,366	8,874
Net income	\$ 50,334	\$ 8,535	\$ 58,869
Total assets	\$ 4,604,998	\$ 3,631	\$ 4,608,629

As of and for the Year ended December 31, 2019 <i>(in thousands)</i>	Commercial Banking	WM&T	Total
Net interest income	\$ 125,029	\$ 319	\$ 125,348
Provision for credit losses	1,000	—	1,000
Wealth management and trust services	—	22,643	22,643
All other non-interest income	26,785	—	26,785
Non-interest expenses	85,407	12,709	98,116
Income before income tax expense	65,407	10,253	75,660
Income tax expense	7,368	2,225	9,593
Net income	\$ 58,039	\$ 8,028	\$ 66,067
Total assets	\$ 3,720,502	\$ 3,695	\$ 3,724,197

(26) Quarterly Operating Results (unaudited)

A summary of quarterly operating results follows:

<i>(dollars in thousands except per share data)</i>	2021			
	4th quarter	3rd quarter	2nd quarter	1st quarter
Interest income	\$ 47,508	\$ 46,948	\$ 43,102	\$ 39,518
Interest expense	1,326	1,465	1,518	1,693
Net interest income	46,182	45,483	41,584	37,825
Provision for credit losses	(1,900)	(1,525)	4,147	(1,475)
Net interest income after provision	48,082	47,008	37,437	39,300
Non-interest income	18,604	17,614	15,788	13,844
Non-interest expenses	34,572	34,558	48,177	24,973
Income before income taxes	32,114	30,064	5,048	28,171
Income tax expense	7,525	6,902	864	5,461
Net income	\$ 24,589	\$ 23,162	\$ 4,184	\$ 22,710
Basic earnings per share	\$ 0.93	\$ 0.87	\$ 0.17	\$ 1.00
Diluted earnings per share	\$ 0.92	\$ 0.87	\$ 0.17	\$ 0.99

<i>(dollars in thousands except per share data)</i>	2020			
	4th quarter	3rd quarter	2nd quarter	1st quarter
Interest income	\$ 38,339	\$ 36,144	\$ 36,506	\$ 36,882
Interest expense	2,087	2,449	2,978	4,436
Net interest income	36,252	33,695	33,528	32,446
Provision for credit losses	500	4,968	7,025	5,925
Net interest income after provision	35,752	28,727	26,503	26,521
Non-interest income	13,698	13,043	12,622	12,536
Non-interest expenses	29,029	25,646	23,409	23,575
Income before income taxes	20,421	16,124	15,716	15,482
Income tax expense	2,685	1,591	2,348	2,250
Net income	\$ 17,736	\$ 14,533	\$ 13,368	\$ 13,232
Basic earnings per share	\$ 0.79	\$ 0.64	\$ 0.59	\$ 0.59
Diluted earnings per share	\$ 0.78	\$ 0.64	\$ 0.59	\$ 0.58

<i>(dollars in thousands except per share data)</i>	2019			
	4th quarter	3rd quarter	2nd quarter	1st quarter
Interest income	\$ 37,831	\$ 38,009	\$ 36,996	\$ 35,056
Interest expense	5,075	5,903	6,194	5,372
Net interest income	32,756	32,106	30,802	29,684
Provision for credit losses	—	400	—	600
Net interest income after provision	32,756	31,706	30,802	29,084
Non-interest income	12,987	13,209	12,224	11,008
Non-interest expenses	26,153	23,898	25,453	22,612
Income before income taxes	19,590	21,017	17,573	17,480
Income tax expense	2,941	3,783	1,030	1,839
Net income	\$ 16,649	\$ 17,234	\$ 16,543	\$ 15,641
Basic earnings per share	\$ 0.74	\$ 0.76	\$ 0.73	\$ 0.69
Diluted earnings per share	\$ 0.73	\$ 0.76	\$ 0.72	\$ 0.68

Note: The sum of EPS of each of the quarter may not equate to the year-to-date amount reported in Bancorp's consolidated financial statements due to rounding.

(27) Revenue from contracts with customers

All of Bancorp's revenue from contracts with customers in the scope of ASC 606 is recognized within non-interest income. The table below presents Bancorp's sources of non-interest income with items outside the scope of ASC 606 noted as such:

(in thousands)	Year Ended December 31, 2021		
	Commercial	WM&T	Total
Wealth management and trust services	\$ —	\$ 27,613	\$ 27,613
Deposit service charges	5,852	—	5,852
Debit and credit card income	13,456	—	13,456
Treasury management fees	6,912	—	6,912
Mortgage banking income(1)	4,724	—	4,724
Net investment product sales commissions and fees	2,553	—	2,553
Bank owned life insurance(1)	914	—	914
Other(2)	3,826	—	3,826
Total non-interest income	<u>\$ 38,237</u>	<u>\$ 27,613</u>	<u>\$ 65,850</u>

(in thousands)	Year Ended December 31, 2020		
	Commercial	WM&T	Total
Wealth management and trust services	\$ —	\$ 23,406	\$ 23,406
Deposit service charges	4,161	—	4,161
Debit and credit card income	8,480	—	8,480
Treasury management fees	5,407	—	5,407
Mortgage banking income(1)	6,155	—	6,155
Net investment product sales commissions and fees	1,775	—	1,775
Bank owned life insurance(1)	693	—	693
Other(2)	1,822	—	1,822
Total non-interest income	<u>\$ 28,493</u>	<u>\$ 23,406</u>	<u>\$ 51,899</u>

(in thousands)	Year Ended December 31, 2019		
	Commercial	WM&T	Total
Wealth management and trust services	\$ —	\$ 22,643	\$ 22,643
Deposit service charges	5,193	—	5,193
Debit and credit card income	8,123	—	8,123
Treasury management fees	4,992	—	4,992
Mortgage banking income(1)	2,934	—	2,934
Net investment product sales commissions and fees	1,498	—	1,498
Bank owned life insurance(1)	1,031	—	1,031
Other(2)	3,014	—	3,014
Total non-interest income	<u>\$ 26,785</u>	<u>\$ 22,643</u>	<u>\$ 49,428</u>

(1) Outside of the scope of ASC 606.

(2) Outside of the scope of ASC 606, with the exception of safe deposit fees which were nominal for all periods.

Bancorp's revenue on the consolidated statement of income is categorized by product type, which effectively depicts how the nature, timing and extent of cash flows are affected by economic factors. Revenue sources within the scope of ASC 606 are discussed below:

Bancorp earns fees from its deposit customers for transaction-based, account management and overdraft services. Transaction-based fees, which include services such as ATM use fees, stop payments fees and ACH fees, are recognized at the time the transaction is executed, as that is when the company fulfills the performance obligation. Account management fees are earned over the course of a month and charged in the month in which the services are provided.

Treasury management transaction fees are recognized at the time the transaction is executed, as that is when the company fulfills the performance obligation. Account analysis fees are earned over the course of a month and charged in the month in which the services are provided. Treasury management fees are withdrawn from customers' account balances.

WM&T provides customers fiduciary and investment management services as agreed upon in asset management contracts. The contracts require WM&T to provide a series of distinct services for which fees are earned over time. The contracts are cancellable upon demand with fees typically based upon the asset value of investments. Revenue is accrued and recognized monthly based upon month-end asset values and collected from the customer predominately in the following month except for a small percentage of fees collected quarterly. Incentive compensation related to WM&T activities is considered a cost of obtaining the contract. Contracts between WM&T and customers do not permit performance-based fees and accordingly, none of the fee income earned by WM&T is performance-based. Trust fees receivable were \$2.9 million and \$2.2 million at December 31, 2021 and December 31, 2020, respectively.

Investment products sales commissions and fees represent the Bank's share of transaction fees and wrap fees resulting from investment services and programs provided through an agent relationship with a third party broker-dealer. Transaction fees are assessed at the time of the transaction. Those fees are collected and recognized on a monthly basis. Trailing fees are based upon market values and are assessed, collected and recognized on a quarterly basis. Because the Bank acts as an agent in arranging the relationship between the customer and third party provider, and does not control the services rendered, investment product sales commissions and fees are reported net of related costs, including nominal incentive compensation, and trading activity charges of \$592,000 and \$579,000 for the years ended December 31, 2021 and 2020.

Debit and credit card revenue primarily consists of debit and credit card interchange income. Interchange income represents fees assessed within the payment card system for acceptance of card-based transactions. Interchange fees are assessed as the performance obligation is satisfied, which is at the point in time the card transaction is authorized. Revenue is collected and recognized daily through the payment network settlement process.

Bancorp did not establish any contract assets or liabilities as a result of adopting ASC 606, nor were any recognized during the year ended December 31, 2021.

(28) Subsequent Event

Effective August 3, 2021, Bancorp executed a definitive Share Purchase Agreement ("agreement"), pursuant to which Bancorp will acquire all of the outstanding stock of privately held Commonwealth Bancshares, Inc. Commonwealth Bancshares, Inc., headquartered in Louisville, Kentucky, is the holding company for Commonwealth Bank & Trust, which operates 15 retail branches, including nine in Jefferson County, four in Shelby County and two in Northern Kentucky.

Under the terms of the Agreement, the Company will acquire all outstanding stock in a combined stock and cash transaction, resulting in a total consideration to Commonwealth Bancshares existing shareholders of approximately \$171 million based on estimates as of February 17, 2022. Bancorp will fund the cash payment portion of the acquisition through existing resources on-hand.

Bancorp has received all required regulatory approvals to complete the acquisition and the acquisition is expected to close on or around March 7, 2022, subject to satisfaction or waiver of remaining closing conditions. As of December 31, 2021, Commonwealth Bancshares, Inc. had approximately \$1.31 billion in assets, \$680 million in loans, \$1.16 billion in deposits and \$88 million in tangible common equity. Commonwealth also maintains a Wealth Management and Trust Department with total assets under management of \$2.73 billion at December 31, 2021. The combined franchise will have 78 branches at acquisition date and anticipates serving customers through a branch network of 73 locations, as Bancorp has notified regulators of its intent to close five locations as part of the merger. The combined franchise will have total assets of approximately \$8.0 billion, \$4.85 billion in gross loans, \$6.95 billion in deposits and \$7.53 billion in trust assets under management.

Report of Independent Registered Public Accounting Firm

Audit Committee, Board of Directors and Stockholders
Stock Yards Bancorp, Inc.
Louisville, Kentucky

Opinion on the Financial Statements

We have audited the accompanying consolidated balance sheets of Stock Yards Bancorp, Inc. (the “Company”) as of December 31, 2021 and 2020, the related consolidated statements of income, comprehensive income, changes in stockholders’ equity and cash flows for each of the years in the three-year period ended December 31, 2021, and the related notes (collectively referred to as the “financial statements”). In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of the Company as of December 31, 2021 and 2020, and the results of its operations and its cash flows for each of the years in the three-year period ended December 31, 2021, in conformity with accounting principles generally accepted in the United States of America.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (“PCAOB”), the Company’s internal control over financial reporting as of December 31, 2021, based on criteria established in *Internal Control-Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission and our report dated February 25, 2022 expressed an unqualified opinion thereon.

Change in Accounting Principle

As discussed in Note 1 to the consolidated financial statements, the Company has changed its method of accounting for credit losses effective January 1, 2020 due to the adoption of Accounting Standards Topic 326: *Financial Instruments - Credit Losses*. The adoption of new credit loss standard and its subsequent application is also communicated as a critical audit matter.

Basis for Opinion

These financial statements are the responsibility of the Company’s management. Our responsibility is to express an opinion on the Company’s financial statements based on our audits.

We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

Critical Audit Matters

The critical audit matters communicated below are matters arising from the current-period audit of the financial statements that were communicated or required to be communicated to the audit committee and that: (1) relate to accounts or disclosures that are material to the financial statements and (2) involved our especially challenging, subjective or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the financial statements, taken as a whole, and we are not, by communicating the critical audit matters below, providing separate opinions on the critical audit matters or on the accounts or disclosures to which they relate.

Allowances for Credit Losses

The Company's loan portfolio totaled \$4.2 billion as of December 31, 2021 and the associated allowance for credit losses on loans was \$53.9 million. The Company's unfunded loan commitments totaled \$1.7 billion, with an associated allowance for credit loss of \$3.5 million. Together these amounts represent the allowances for credit losses ("ACL"). As discussed in Notes 1 and 5 to the consolidated financial statements, the allowance for credit losses related to loans is a contra-asset valuation account that is deducted from the amortized cost basis of loans to present the net amount expected to be collected. As discussed in Notes 1 and 19 to the consolidated financial statements, the allowance for credit losses related to unfunded commitments is a liability account and is included in other liabilities. The amount of each allowance account represented management's best estimate of current expected credit losses on these financial instruments considering all relevant available information, from internal and external sources, relevant to assessing exposure to credit loss over the contractual term of the instrument.

In calculating the allowance for credit losses, loans were segmented into pools based upon similar risk characteristics. For each loan pool, management measured expected credit losses over the life of each loan utilizing either a static pool model or a discounted cash flow (DCF) model. The static pool model primarily utilized historical loss rates applied to the estimated remaining life of each pool. The DCF model primarily measures probability of default ("PD") and loss given default ("LGD") with PD and LGD estimated by analyzing internally sourced data related to historical performance of each loan pool over a complete economic cycle. The models were adjusted to reflect the current impact of certain macroeconomic variables as well as their expected changes over a reasonable and supportable forecast period. After the reasonable and supportable forecast period, the forecasted macroeconomic variables were reverted to their historical mean utilizing a rational, systematic basis.

In some cases, management determined that an individual loan exhibited unique risk characteristics which differentiated the loan from other loans with the identified loan pools. In such cases the loans were evaluated for expected credit losses on an individual basis and excluded from the collective evaluation.

Management qualitatively adjusted model results for risk factors that were not considered within the modeling processes but were deemed relevant in assessing the expected credit losses within the loan pools. These qualitative factor adjustments modified management's estimate of expected credit losses by a calculated percentage or amount based upon the estimated level of risk.

Auditing management's estimate of the ACL involved a high degree of subjectivity due to the nature of the qualitative factor adjustments included in the allowances for credit losses and complexity due to the implementation of the static pool and DCF models. Management's identification and measurement of the qualitative factor adjustments is highly judgmental and could have a significant effect on the ACL.

How We Addressed the Matter in Our Audit

The primary procedures we performed related to this CAM included:

- Obtained an understanding of the Company's process for establishing the ACL, including the implementation of models and the qualitative factor adjustments of the ACL
- Evaluated and tested the design and operating effectiveness of related controls over the reliability and accuracy of data used to calculate and estimate the various components of the ACL including:
 - Loan data completeness and accuracy
 - Grouping of loans by segment
 - Model inputs utilized including PD, LGD, remaining life and prepayment speed
 - Approval of model assumptions selected
 - Establishment of qualitative factors
 - Loan risk ratings
- Tested the mathematical accuracy of the calculation of the ACL
- Performed reviews of individual credit files to evaluate the reasonableness of loan credit risk ratings
- Tested internally prepared loan reviews to evaluate the reasonableness of loan credit risk ratings
- Tested the completeness and accuracy, including the evaluation of the relevance and reliability, of inputs utilized in the calculation of the ACL
- Evaluated the qualitative adjustments to the ACL including assessing the basis for adjustments and the reasonableness of the significant assumptions
- Tested the reasonableness of specific reserves on individually evaluated loans
- Evaluated credit quality trends in delinquencies, non-accruals, charge-offs and loan risk ratings
- Evaluated the overall reasonableness of the ACL and evaluated trends identified within peer groups
- Tested estimated utilization rate of unfunded loan commitments

Acquisition

As described in Note 3 to the consolidated financial statements, the Corporation completed the acquisition of Kentucky Bancshares, Inc. during the year ended December 31, 2021 with an acquisition price of \$232.9 million, including the recognition of \$123.3 million of Goodwill. Management determined that the acquisition qualified as a business and accordingly, all identifiable assets and liabilities acquired were valued at fair value as part of the purchase price allocation as of the acquisition date. The identification and valuation of such acquired assets and assumed liabilities required management to exercise significant judgment and consider the use of outside vendors to estimate the fair value allocations.

We identified the acquisition and the valuation of acquired assets and assumed liabilities a critical audit matter. Auditing the acquisition transaction involved a high degree of subjectivity in evaluating management's operational assumptions, fair value estimates, purchase price allocations and assessing the appropriateness of outside vendor valuation models.

How We Addressed the Matter in Our Audit

The primary procedures we performed to address this critical audit matter included:

- Obtaining and reviewing executed Plan and Agreement of Merger documents to gain an understanding of the underlying terms of the consummated acquisition
- Obtaining and reviewing management's reconciliation procedures of significant accounts and testing of completion procedures performed and asset/liability identification considerations made
- Testing management's computation of purchase price and determination of goodwill recognized focusing on the completeness and accuracy of the balance sheet acquired and related fair value purchase price allocations made to identified assets acquired and liabilities assumed
- Obtaining and reviewing significant outside vendor valuation estimates and challenging management's review of the appropriateness of the valuations assessed/allocated to assets acquired and liabilities assumed; including but not limited to, testing all critical inputs, including assumptions applied and valuation models utilized by the outside vendors
- Utilization of our Forensics & Valuation Services group to assist with testing and challenging the related fair value purchase price allocations made to identified assets acquired and liabilities assumed
- Reviewing and evaluating the adequacy of the disclosures made in the footnotes of the Corporation's SEC filings

/s/ BKD, LLP

We have served as the Company's auditor since 2018.

Indianapolis, Indiana
February 25, 2022

Name of Engagement Executive: Ben D. Howard
Federal Employer Identification Number: 44-0160260

Management's Report on Consolidated Financial Statements

The accompanying consolidated financial statements and other financial data were prepared by the management of Stock Yards Bancorp, Inc. (Bancorp), which has the responsibility for the integrity of the information presented. The consolidated financial statements have been prepared in conformity with GAAP and, as such, include amounts that are the best estimates and judgments of management with consideration given to materiality.

Management is further responsible for maintaining a system of internal controls designed to provide reasonable assurance that the books and records reflect the transactions of Bancorp and that its established policies and procedures are carefully followed. Management believes that Bancorp's system, taken as a whole, provides reasonable assurance that transactions are executed in accordance with management's general or specific authorization; transactions are recorded as necessary to permit preparation of financial statements in conformity with GAAP and to maintain accountability for assets; access to assets is permitted only in accordance with management's general or specific authorization, and the recorded accountability for assets is compared with the existing assets at reasonable intervals and appropriate action is taken with respect to any differences.

Management also seeks to assure the objectivity and integrity of Bancorp's financial data by the careful selection and training of qualified personnel, an internal audit function and organizational arrangements that provide an appropriate division of responsibility.

BKD LLP, the independent registered public accounting firm that audited the consolidated financial statements of Bancorp included in this Annual Report on Form 10-K, has issued a report on Bancorp's internal control over financial reporting as of December 31, 2021. The report expresses an unqualified opinion on the effectiveness of the Company's internal control over financial reporting as of December 31, 2021.

The Board of Directors provides its oversight role for the consolidated financial statements through the Audit Committee. The Audit Committee meets periodically with management, the internal auditors, and the independent auditors, each on a private basis, to review matters relating to financial reporting, the internal control systems, and the scope and results of audit efforts. The internal and independent auditors have unrestricted access to the Audit Committee, with and without the presence of management, to discuss accounting, auditing, and financial reporting matters. The Audit Committee also recommends the appointment of the independent auditors to the Board of Directors, and ultimately has sole authority to appoint or replace the independent auditors.

/s/ James A. Hillebrand

James A. Hillebrand
Chairman and CEO

/s/ T. Clay Stinnett

T. Clay Stinnett
EVP and CFO

Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure.

None.

Item 9A. Controls and Procedures.

Disclosure Controls and Procedures

Bancorp maintains disclosure controls and procedures designed to ensure that it is able to collect the information it is required to disclose in the reports it files with the SEC, and to record, process, summarize and disclose this information within the time periods specified in the rules of the SEC. Based on their evaluation of Bancorp's disclosure controls and procedures which took place as of December 31, 2021, the Chairman/CEO and CFO believe that these controls and procedures are effective to ensure that Bancorp is able to collect, process and disclose the information it is required to disclose in the reports it files with the SEC within the required time periods.

Based on the evaluation of Bancorp's disclosure controls and procedures by the Chairman/CEO and CFO; no changes occurred during the fiscal quarter ended December 31, 2021 in Bancorp's internal control over financial reporting that has materially affected, or is reasonably likely to materially affect, Bancorp's internal control over financial reporting.

Management's Report on Internal Control over Financial Reporting

The management of Stock Yards Bancorp, Inc. and subsidiary (Bancorp) is responsible for establishing and maintaining adequate internal control over financial reporting. Bancorp's internal control over financial reporting is a process designed under the supervision of Bancorp's Chairman/CEO and CFO, and effected by Bancorp's board of directors, management and other personnel, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance GAAP. This process includes those policies and procedures that:

- Pertain to the maintenance of records, that in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of Bancorp;
- Provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with GAAP, and that receipts and expenditures of Bancorp are being made only in accordance with authorizations of management and directors of Bancorp; and
- Provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of Bancorp's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with policies or procedures may deteriorate.

Management has assessed the effectiveness of its internal control over financial reporting as of December 31, 2021, based on the control criteria established in a report entitled *Internal Control – Integrated Framework (2013)*, issued by the COSO. As permitted by SEC guidance, management excluded from its assessment the operations of the Kentucky Bancshares, Inc. acquisition made during 2021, which is described in Note 3 of the Consolidated Financial Statements. The total assets of the entity acquired in this acquisition represented approximately 19% of the Company's total consolidated assets as of December 31, 2021. Based on such assessment, management has concluded that Bancorp's internal control over financial reporting is effective as of December 31, 2021 based on the specified criteria.

BKD LLP, the independent registered public accounting firm that audited the consolidated financial statements of Bancorp included in this Annual Report on Form 10-K, has also audited Bancorp's internal control over financial reporting as of December 31, 2021. Their report expressed an unqualified opinion on the effectiveness of Bancorp's internal control over financial reporting as of December 31, 2021.

/s/ James A. Hillebrand

James A. Hillebrand
Chairman and CEO

/s/ T. Clay Stinnett

T. Clay Stinnett
EVP and CFO

Report of Independent Registered Public Accounting Firm

Audit Committee, Board of Directors and Stockholders
Stock Yards Bancorp, Inc.
Louisville, Kentucky

Opinion on the Internal Control Over Financial Reporting

We have audited Stock Yards Bancorp, Inc.'s (the "Company") internal control over financial reporting as of December 31, 2021, based on criteria established in *Internal Control – Integrated Framework: (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).

In our opinion, the Company maintained, in all material respects, effective internal control over financial reporting as of December 31, 2021, based on criteria established in *Internal Control – Integrated Framework: (2013)* issued by COSO.

The Company acquired 100 percent of the outstanding shares of Kentucky Bancshares, Inc. (the Acquired Business) common stock; on May 31, 2021, and management excluded the Acquired Business from its assessment of the effectiveness of the Company's internal control over financial reporting as of December 31, 2021. The Acquired Business represented approximately 19 percent of the Company's consolidated total assets as of December 31, 2021. Our audit of internal control over financial reporting of the Company also excluded an evaluation of the internal control over financial reporting of the Acquired Business.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) ("PCAOB"), the consolidated balance sheets of the Company as of December 31, 2021 and 2020 and the related consolidated statements of income, comprehensive income, changes in stockholders' equity and cash flows for each of the years in the three-year period ended December 31, 2021, and our report dated February 25, 2022 expressed an unqualified opinion thereon.

Basis for Opinion

The Company's management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting, included in the accompanying Management's Report on Internal Control Over Financial Reporting. Our responsibility is to express an opinion on the Company's internal control over financial reporting based on our audit.

We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audit in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects.

Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists and testing and evaluating the design and operating effectiveness of internal control based on the assessed risk. Our audit also included performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

Definitions and Limitations of Internal Control Over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions or that the degree of compliance with the policies or procedures may deteriorate.

/s/ BKD, LLP

Indianapolis, Indiana
February 25, 2022

Item 9B. Other Information.

None.

Item 9C. Disclosure Regarding Foreign Jurisdictions that Prevent Inspections

Not applicable.

PART III

Item 10. Directors, Executive Officers and Corporate Governance.

Information regarding the directors and executive officers of Bancorp is incorporated herein by reference to the discussion under the heading, “*PROPOSAL 1: ELECTION OF DIRECTORS*,” in Bancorp’s Proxy Statement to be filed with the SEC for the 2022 Annual Meeting of Shareholders (“Proxy Statement”)

Information regarding the Audit Committee is incorporated herein by reference to the discussion under the heading, “*BOARD OF DIRECTORS’ MEETINGS AND COMMITTEES*” in Bancorp’s Proxy Statement.

Information regarding principal occupation of Bancorp directors as of December 31, 2021 follows:

Name of Director	Principal Occupation
Shannon B. Arvin	President and CEO, Keeneland Association
Paul J. Bickel III	President, U.S. Specialties
J. McCauley Brown	Retired Vice President, Brown-Forman Corporation
David P. Heintzman	Retired CEO, Stock Yards Bancorp, Inc. and Stock Yards Bank & Trust Company
Donna Heitzman	Retired Portfolio Manager, KKR Prisma Capital
Carl G. Herde	Vice President/Financial Policy, Kentucky Hospital Association
James A. Hillebrand	Chairman of the Boards and CEO, Stock Yards Bancorp, Inc. and Stock Yards Bank & Trust Company
Richard A. Lechleiter	President, Catholic Education Foundation of Louisville
Edwin S. Saunier	President, Saunier Moving & Storage, Inc.
Stephen M. Priebe	President, Hall Contracting of Kentucky
John L. Schutte	CEO, GeriMed, Inc.
Kathy C. Thompson	Senior EVP, Stock Yards Bancorp, Inc. and Stock Yards Bank & Trust Company and Manager of the Bank's WM&T Division

The Board of Directors of Bancorp has adopted a code of ethics for its CEO and financial executives included under Exhibit 14.

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The following table lists the names and ages as of December 31, 2021 of all current executive officers of Bancorp and the Bank. Each executive officer is appointed by Bancorp's Board of Directors to serve at the discretion of the Board.

There is no arrangement or understanding between any executive officer or Bancorp or the Bank and any other person(s) pursuant to which he/she was or is to be selected as an officer.

Name and Age of Executive Officer	Position and Offices with Bancorp and/or the Bank
James A. Hillebrand Age 53	Chairman and CEO of Bancorp and SYB
Philip S. Poindexter Age 55	President of Bancorp and SYB
Kathy C. Thompson Age 60	Senior EVP and Director of WM&T Division of SYB; Director of Bancorp and SYB
T. Clay Stinnett Age 48	EVP, Treasurer and CFO of Bancorp and SYB
William M. Dishman III Age 58	EVP and Chief Risk Officer of SYB
Michael J. Croce Age 52	EVP and Director of Retail Banking of SYB
Michael V. Rehm Age 57	EVP and Chief Lending Officer of SYB

Mr. Hillebrand was elected Chairman of the Board effective January 2021. Prior thereto, he was appointed CEO of Bancorp and SYB in October 2018. Prior thereto, he served as President of Bancorp and SYB since 2008. Prior thereto, he served as EVP and Director of Private Banking of SYB since 2005. From 2000 to 2004, he served as SVP of Private Banking. Mr. Hillebrand joined the Bank in 1996.

Mr. Poindexter was appointed President of Bancorp and SYB in October 2018. Prior thereto, he served as Chief Lending Officer of SYB since 2008. Prior thereto, he served as EVP of SYB and Director of Commercial Banking. Mr. Poindexter joined the Bank in 2004.

Ms. Thompson was appointed Senior EVP of Bancorp and SYB in 2006. Prior thereto, she served as EVP of Bancorp and SYB. She joined SYB in 1992 as Manager of the WM&T Department.

Mr. Stinnett was appointed EVP, Treasurer and CFO of Bancorp and SYB in April 2019. Prior thereto, he served as EVP and Chief Strategic Officer of Bancorp and SYB since 2011. Prior thereto, he served as SVP and Chief Strategic Officer of SYB since 2005. Mr. Stinnett joined the Bank in 2000.

Mr. Dishman joined SYB as EVP and Chief Risk Officer in 2009.

Mr. Croce was appointed EVP of SYB and Director of Retail Banking in 2014. Prior thereto, he served as SVP of SYB and Division Manager of Business Banking. Mr. Croce joined SYB in 2004.

Mr. Rehm was appointed EVP and Chief Lending Officer of SYB in October 2018. Prior thereto, he served as SVP of SYB and Division Manager of Commercial Lending. Mr. Rehm joined SYB in 2006.

Item 11. Executive Compensation.

The information required by this Item is incorporated herein by reference to the discussion under the heading, “*EXECUTIVE COMPENSATION AND OTHER INFORMATION – REPORT ON EXECUTIVE COMPENSATION*” in Bancorp’s Proxy Statement.

Information regarding the Compensation Committee is incorporated herein by reference to the discussion under the heading, “*TRANSACTIONS WITH MANAGEMENT AND OTHERS*” in Bancorp’s Proxy Statement. The report of the Compensation Committee shall not be deemed filed for purposes of Section 18 of the Securities Exchange Act of 1934 or otherwise subject to the liabilities of that section, nor shall it be deemed soliciting material or subject to Regulation 14A of the Exchange Act or incorporated by reference in any filing under the Exchange Act or the Securities Act of 1933, except as shall be expressly set forth by specific reference in such filing.

Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters.

The information required by this item is incorporated herein by reference to the discussion under the heading, “*PROPOSAL 1: ELECTION OF DIRECTORS*” in Bancorp’s Proxy Statement.

The information required by this item concerning equity compensation plan information is included in the Footnote titled “*Stock Based Compensation*” of the notes to Consolidated Financial Statements.

Item 13. Certain Relationships and Related Transactions, and Director Independence.

The information required by this item is incorporated herein by reference to the discussion under the headings, “*PROPOSAL 1. ELECTION OF DIRECTORS*” and “*TRANSACTIONS WITH MANAGEMENT AND OTHERS*,” in Bancorp’s Proxy Statement.

Item 14. Principal Accountant Fees and Services.

The information required by this item is incorporated herein by reference to the discussion under the heading “*INDEPENDENT AUDITOR FEES*,” in Bancorp’s Proxy Statement.

PART IV

Item 15. Exhibits and Financial Statement Schedules.

(a)(1) Financial Statements:

Consolidated Balance Sheets – December 31, 2021 and 2020
Consolidated Statements of Income - years ended December 31, 2021, 2020 and 2019
Consolidated Statements of Comprehensive Income - years ended December 31, 2021, 2020 and 2019
Consolidated Statements of Changes in Stockholders’ Equity - years ended December 31, 2021, 2020 and 2019
Consolidated Statements of Cash Flows - years ended December 31, 2021, 2020 and 2019
Footnotes to Consolidated Financial Statements
Reports of Independent Registered Public Accounting Firms

(a)(2) Financial Statement Schedules:

Financial statement schedules are omitted because the information is NA.

(a) (3) Exhibits:

- 3.1 [Second Amended and Restated Articles of Incorporation of S.Y. Bancorp, Inc., filed with the Secretary of State of Kentucky on April 25, 2013, Exhibit 3.1 to Form 8-K filed April 25, 2013, is incorporated by reference herein.](#)
- 3.2 [Articles of Amendment to the Second Amended and Restated Articles of Incorporation to change the name of the company to Stock Yards Bancorp, Inc., filed with the Secretary of State of Kentucky on April 23, 2014, Exhibit 3.1 to Form 8-K filed April 25, 2014, is incorporated by reference herein.](#)
- 3.3 [Articles of Amendment to the Second Amended and Restated Articles of Incorporation to increase the number of authorized shares of common stock and adopt majority voting in uncontested director elections, filed with the Secretary of State of Kentucky on April 23, 2015, Exhibit 3.1 to Form 8-K filed April 27, 2015, is incorporated by reference herein.](#)
- 3.4 [Bylaws of Bancorp as currently in effect, Exhibit 3.1 to Form 8-K/A filed October 1, 2018, is incorporated by reference herein.](#)
- 4.1 [Description of Stock Yards Bancorp, Inc. Securities](#)
- 10.1* [Stock Yards Bank & Trust Company Executive Nonqualified Deferred Compensation Plan \(as Amended and Restated in 2009\), as filed as Exhibit 10.4 to Form 8-K filed on December 19, 2008, is incorporated by reference herein.](#)
- 10.2* [Stock Yards Bank & Trust Company Director Nonqualified Deferred Compensation Plan \(as Amended and Restated in 2009\), as filed as Exhibit 10.3 to Form 8-K filed on December 19, 2008, is incorporated by reference herein.](#)
- 10.3* [Form of Stock Yards Bank & Trust Company Executive Nonqualified Deferred Compensation Plan Employer Contribution Agreement, as filed as Exhibit 10.3 to Form 8-K filed on October 23, 2006, is incorporated by reference herein.](#)
- 10.4* [Stock Yards Bank & Trust Company 2009 Restated Senior Officers Security Plan Exhibit 10.1 to Form 8-K filed December 19, 2008, is incorporated by reference herein.](#)
- 10.5* [Form of Change in Control Severance Agreement \(Dishman, Stinnett and Croce\), as filed as Exhibit 10.5 to Form 8-K filed January 28, 2010, is incorporated by reference herein.](#)
- 10.6* [S.Y. Bancorp, Inc. 2005 Stock Incentive Plan, as filed as Exhibit 10.1 to Form 8-K filed May 2, 2005, is incorporated by reference herein.](#)
- 10.7* [Amendment No. 1 to S. Y. Bancorp, Inc. 2005 Stock Incentive Plan, as filed as Exhibit 10.1 to Form 8-K filed on April 22, 2010, is incorporated by reference herein.](#)
- 10.8* [Terms of Restricted Stock Program, as filed as Exhibit 10.1 to Form 8-K filed on February 26, 2007, is incorporated by reference herein.](#)
- 10.9* [Form of Indemnification Agreement between Stock Yards Bank & Trust Company, S.Y. Bancorp, Inc. and each member of the Board of Directors, Exhibit 10.3 to Annual Report on Form 10-K for the year ended December 31, 2001, of Bancorp is incorporated by reference herein.](#)
- 10.10* [Amendment No. 2 to the S. Y. Bancorp, Inc. 2005 Stock Incentive Plan, as filed as Exhibit 10.1 to Form 8-K filed on April 22, 2011, is incorporated by reference herein.](#)
- 10.11* [Form of Annual Cash Incentive Plan, as filed as Exhibit 10.1 to Form 8-K filed on April 26, 2013, is incorporated by reference herein.](#)
- 10.12* [Amendment No. 3 to the S. Y. Bancorp, Inc. 2005 Stock Incentive Plan, as filed as Exhibit 10.1 to Form 8-K filed on November 22, 2013, is incorporated by reference herein.](#)
- 10.13* [Amendment No. 1 to the Director Nonqualified Deferred Compensation Plan, as filed as Exhibit 10.2 to Form 8-K filed on November 22, 2013, is incorporated by reference herein.](#)
- 10.14* [Form of Amended and Restated Change in Control Severance Agreement \(for Ja Hillebrand and Kathy Thompson\), as filed as Exhibit 10.1 to Form 8-K filed on December 17, 2013, is incorporated by reference herein.](#)
- 10.15* [Form of Annual Cash Bonus Plan \(as amended December 16, 2013\), as filed as Exhibit 10.2 to Form 8-K filed on December 17, 2013, is incorporated by reference herein.](#)
- 10.16* [Form of Restricted Stock Unit Grant Agreement for grants awarded 2014 and later, as filed as Exhibit 10.3 to Form 8-K filed on December 17, 2013, is incorporated by reference herein.](#)
- 10.17* [Form of Amendment No. 1 to the Stock Yards Bank & Trust Company Executive Nonqualified Deferred Compensation Plan, as filed as Exhibit 10.1 to Form 8-K filed on December 18, 2014, is incorporated by reference herein.](#)

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- 10.18* [Form of Amendment No. 2 to the Stock Yards Bank & Trust Company Director Nonqualified Deferred Compensation Plan, as filed as Exhibit 10.2 to Form 8-K filed on December 18, 2014, is incorporated by reference herein.](#)
- 10.19* [Stock Yards Bancorp, Inc. 2015 Omnibus Equity Compensation Plan, as filed as Exhibit 10.1 to Form 8K, on April 27, 2015 is incorporated by reference herein.](#)
- 10.20* [Form of Stock Appreciation Rights Agreement, as filed as Exhibit 10.2 to Form 8-K filed on March 17, 2016, is incorporated by reference herein.](#)
- 10.21* [Form of Performance-Vested Stock Unit Grant Agreement, as filed as Exhibit 10.1 to Form 8-K filed on March 27, 2017, is incorporated by reference herein.](#)
- 10.22* [Amendment No. 1 to the Stock Yards Bancorp 2015 Omnibus Equity Compensation Plan, as filed as Exhibit 10.37 to Form 10-K filed on March 13, 2018, is incorporated by reference herein.](#)
- 10.23* [Amendment No. 2 to the Stock Yards Bancorp 2015 Omnibus Equity Compensation Plan, as filed as Exhibit 10.1 to Form 8-K filed on May 1, 2018, is incorporated by reference herein.](#)
- 10.24* [Executive Transition Agreement by and among David P. Heintzman, Stock Yards Bancorp, Inc., and Stock Yards Bank & Trust Company, as filed as Exhibit 10.1 to Form 8-K filed on May 29, 2018, is incorporated by reference herein.](#)
- 10.25* [Amended and Restated Change in Control Severance Agreement between Stock Yards Bank & Trust Company and Phillip S. Poindexter, as filed as Exhibit 10.2 to Form 8-K filed on May 29, 2018, is incorporated by reference herein.](#)
- 10.26* [Form of Stock Appreciation Rights Grant Agreement, as filed as Exhibit 10.1 to Form 8-K filed on October 5, 2018, is incorporated by reference herein.](#)
- 10.27* [Executive Transition Agreement by and among Nancy B. Davis, Stock Yards Bancorp, Inc., and Stock Yards Bank & Trust Company, as filed as Exhibit 10.1 to Form 8-K filed on November 23, 2018 is incorporated by reference herein.](#)
- 10.28* [Form of Performance-Vested Stock Unit Grant Agreement, as filed as Exhibit 10.1 to Form 8-K filed on March 2, 2020, is incorporated by reference herein.](#)
- 10.29* [Form of Director Restricted Stock Unit Award Agreement](#)
- 10.30* [Amendment No. 2 to the Stock Yard Bank & Trust Company Executive Nonqualified Deferred Compensation Plan](#)
 - 14 [Code of Ethics for the CEO and Financial Executives](#)
 - 21 [Subsidiaries of the Registrant](#)
 - 23.1 [Consent of BKD LLP](#)
 - 31.1 [Certification pursuant to Section 302 of the Sarbanes-Oxley Act by James A Hillebrand](#)
 - 31.2 [Certification pursuant to Section 302 of the Sarbanes-Oxley Act by T. Clay Stinnett](#)
- 32.1** [Certification pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 by James A. Hillebrand](#)
- 32.2** [Certification pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 by T. Clay Stinnett](#)
 - 101 The following financial statements from the Stock Yards Bancorp, Inc. December 31, 2021 Annual Report on Form 10-K, filed on February 25, 2022, formatted in inline eXtensible Business Reporting Language (XBRL):
 - (1) Consolidated Balance Sheets
 - (2) Consolidated Statements of Income
 - (3) Consolidated Statements of Comprehensive Income
 - (4) Consolidated Statements of Changes in Stockholders' Equity
 - (5) Consolidated Statements of Cash Flows
 - (6) Footnotes to Consolidated Financial Statements
 - 104 The cover page from Stock Yards Bancorp Inc.'s Annual Report on Form 10-K for the year ended December 31, 2021, formatted in inline XBRL and contained in Exhibit 101.

** Indicates matters related to executive compensation or other management contracts.*

*** This certification shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, or otherwise subject to the liability of that section, nor shall it be deemed to be incorporated by reference into any filing under the Securities Act of 1933 or the Securities Exchange Act of 1934.*

(b) Exhibits:

The exhibits listed in response to Item 15(a) 3 are filed or furnished as part of this report.

(c) Financial Statement Schedules:

None.

Item 16. Form 10-K Summary

Not applicable.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Date: February 25, 2022

STOCK YARDS BANCORP, INC.
(Registrant)

By: /s/ James A. Hillebrand
James A. Hillebrand
Chairman and CEO

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

<u>/s/ James A. Hillebrand</u> James A. Hillebrand	Chairman and CEO (principal executive officer)	February 25, 2022
<u>/s/ T. Clay Stinnett</u> T. Clay Stinnett	EVP and CFO (principal financial officer)	February 25, 2022
<u>/s/ Michael B. Newton</u> Michael B. Newton	SVP and Principal Accounting Officer	February 25, 2022
<u>/s/ Shannon B. Arvin</u> Shannon B. Arvin	Director	February 25, 2022
<u>/s/ Paul J. Bickel III</u> Paul J. Bickel III	Director	February 25, 2022
<u>/s/ J. McCauley Brown</u> J. McCauley Brown	Director	February 25, 2022
<u>/s/ David P. Heintzman</u> David P. Heintzman	Director	February 25, 2022
<u>/s/ Donna L. Heitzman</u> Donna L. Heitzman	Director	February 25, 2022
<u>/s/ Carl G. Herde</u> Carl G. Herde	Director	February 25, 2022
<u>/s/ Richard A. Lechleiter</u> Richard A. Lechleiter	Director	February 25, 2022
<u>/s/ Stephen M. Priebe</u> Stephen M. Priebe	Director	February 25, 2022
<u>/s/ Edwin S. Saunier</u> Edwin S. Saunier	Director	February 25, 2022
<u>/s/ John L. Schutte</u> John L. Schutte	Director	February 25, 2022
<u>/s/ Kathy C. Thompson</u> Kathy C. Thompson	Senior EVP and Director	February 25, 2022

DESCRIPTION OF SECURITIES REGISTERED PURSUANT TO SECTION 12 OF THE SECURITIES EXCHANGE ACT OF 1934

Stock Yards Bancorp, Inc. (“Stock Yards,” “we” or “our”) has one class of securities registered under Section 12 of the Securities Exchange Act of 1934, as amended, our common stock, no par value per share. The following description of our common stock is a summary of the material terms of our Amended and Restated Articles of Incorporation, as amended (the “Articles of Incorporation”) and our Bylaws (the “Bylaws”) and includes all material information with respect to the rights and privileges associated with ownership of our common stock. For a complete description, we refer you to the more detailed provisions of our Articles of Incorporation and Bylaws, each of which is incorporated by reference as an exhibit to this Annual Report on Form 10-K of which this Exhibit 4.1 is a part, and any applicable provisions of relevant law, including the Kentucky Business Corporation Act and federal laws and regulations governing bank holding companies.

Authorized Capital Stock

Pursuant to our Articles of Incorporation, we have authority to issue up to 40,000,000 shares of common stock, no par value per share, and 1,000,000 shares of preferred stock. Our board of directors may issue shares of the preferred stock from time to time, in one or more series, without shareholder approval. The board of directors may determine the preferences, limitations and relative rights, to the extent permitted by Kentucky law, of any class, or series within a class, of preferred stock that it designates. No shares of preferred stock are currently outstanding.

Voting Rights

The holders of our common stock have the right to one vote per share on all matters which require their vote and do not have the right to cumulate votes in the election of directors. Our Articles of Incorporation and Bylaws require majority voting for the election of directors in uncontested elections. This means that the director nominees in an uncontested election for directors must receive a number of votes cast “for” his or her election that exceeds the number of votes cast “against.” If the number of nominees exceeds the number of directors to be elected, the directors are elected by a plurality of the votes cast.

Dividend Rights

Holders of our common stock are entitled to receive and share equally in dividends, if, as, and when such dividends are declared by our board of directors out of assets legally available for such purpose, subject to the rights of holders of any class or series of preferred stock which may then be outstanding.

Redemption, Conversion and Preemptive Rights

Shares of our common stock are not redeemable and do not have subscription, conversion or preemptive rights. There are no redemption or sinking fund provisions available to the common stock.

Liquidation Rights

If we liquidate, dissolve or wind up our business, subject to the rights of our creditors and the holders of any outstanding shares of preferred stock having a preference in liquidation, we will distribute our remaining assets to our common shareholders in proportion to the number of shares that each common shareholder holds.

Certain Anti-Takeover Matters

Our Articles of Incorporation and Bylaws contain a number of provisions that may be deemed to have an anti-takeover effect and may delay, deter or prevent a tender offer or takeover attempt that a shareholder might consider in its best interest, including those attempts that might result in a premium over the market price for the shareholders' shares. These provisions include:

Business Combinations. Our Articles of Incorporation require that, before certain types of business combination transactions involving Stock Yards and a person who beneficially owns 20% or more of the outstanding voting securities of Stock Yards (an "interested shareholder"), may be completed, the proposed transaction must first be recommended by our board of directors and approved by (i) the holders of at least 80% of the voting power of all outstanding voting securities of Stock Yards, voting together as a single class, and (ii) two-thirds of the outstanding voting power of our stock other than the voting securities owned by the interested shareholder who is a party to the transaction, voting together as a single class. A business combination includes, among other things, a merger, asset sale or a transaction resulting in a financial benefit to the interested shareholder. These special voting requirements do not apply to a business combination with an interested shareholder if the transaction is either approved by a majority of our directors who are not affiliated with the interested shareholder or the proposed transaction meets certain minimum price requirements specified in the Articles of Incorporation. In addition, Stock Yards is prohibited from engaging in a business combination transaction with an interested shareholder for a period of three years after the date of the transaction or event in which the person became an interested shareholder, unless prior to the time the person became an interested shareholder, a majority of the disinterested members of our board of directors approved either the proposed business combination or the transaction that results in the person becoming an interested shareholder. These provisions of our Articles of Incorporation are intended to deter abusive takeover tactics and to help assure that all shareholders of Stock Yards will be treated equally in a possible acquisition transaction. They may have the effect of encouraging a party or parties interested in acquiring Stock Yards to negotiate in advance with our board of directors because the shareholder approval requirement would be avoided if a majority of the directors then in office approve the proposed business combination transaction.

Advance Notice Requirements for Shareholder Proposals and Director Nominations. Our Bylaws establish an advance notice procedure with regard to the nomination, other than by or at the direction of the board of directors, of candidates for election as directors and with regard to certain matters to be brought before an annual meeting of our shareholders. In general, notice must be received by Stock Yards not less than 90 days prior to the first anniversary of the preceding year's annual meeting and must contain certain specified information concerning the person to be nominated or the matter to be brought before the meeting and concerning the shareholder submitting the proposal.

Removal of Directors Only for Cause. Our Articles of Incorporation limit the right of its shareholders to remove directors from office to those circumstances meeting the definition of "cause" under the Articles of Incorporation. Cause means a director's participation in any transaction in which his or her financial interests conflict with those of Stock Yards or our shareholders; any act or omission not in good faith or which involves intentional misconduct or a knowing violation of law; or the participation by the director in any transaction from which he or she derived an improper personal benefit.

Authorized But Unissued Shares. Our authorized but unissued shares of common stock and preferred stock are available for future issuance without shareholder approval, subject to limitations imposed by the Nasdaq Stock Market. We may use these additional shares for a variety of corporate purposes, including future public offerings to raise additional capital, acquisitions and employee benefit plans. The existence of authorized but unissued and unreserved common stock and preferred stock could render more difficult or discourage an attempt to obtain control of Stock Yards by means of a proxy contest, tender offer, merger or otherwise.

Listing

Our common stock is listed on the Nasdaq Global Select Market under the symbol "SYBT."

Transfer Agent

The transfer agent for our common stock is Computershare Investor Services LLC.

**STOCK YARDS BANCORP, INC.
2015 OMNIBUS EQUITY COMPENSATION PLAN**

DIRECTOR RESTRICTED STOCK UNIT AWARD AGREEMENT

Stock Yards Bancorp, Inc. (the "**Company**") grants as of _____ (the "**Grant Date**") to _____ (the "**Director**" or "**you**") a number of shares determined as set forth below, of the common stock of the Company under the Stock Yards Bancorp, Inc. 2015 Omnibus Equity Compensation Plan (the "**Plan**"). A copy of the Plan is attached, and any capitalized terms used but not defined in this Agreement shall have the meaning given them in the Plan.

GRANT OF AWARD. Subject to the terms and conditions of this Agreement and the Plan, Company hereby grants to you a number of Restricted Stock Units equal to \$_____, divided by the Fair Market Value per share of the Company's common stock on the Grant Date (rounded down to the nearest whole share) (the "**RSUs**"). Each RSU shall entitle you, if the service conditions below are met, to have issued to you (or credited on your behalf, if receipt is deferred) a number of shares of common stock equal to the number of RSUs subject to this Award, and to be paid cash equal to any dividends paid during the Restricted period on that number of shares (the "**Dividend Equivalent**")

RESTRICTED PERIOD; PAYMENT OR DEFERRAL. Except as provided in the Plan regarding Change of Control and below regarding termination of services, the RSUs granted under this Award will be unvested as of the date hereof and will become fully vested and nonforfeitable on the first to occur of (i) the one-year anniversary of the Grant Date, if you continue to provide services to the Company on that date, or (ii) upon retiring from the Board at age 70 or older (the "**Restricted Period**"). Any RSUs that do not vest in accordance with the foregoing provisions shall terminate when service terminates. Unless you timely elected under the terms of the Director Nonqualified Deferred Compensation Plan to have delivery of shares and Dividend Equivalents with respect to these RSUs deferred beyond the end of the Restricted Period, then, at the end of the Restricted Period, the number of shares of Common Stock issuable under this Award and cash for the Dividend Equivalent will be issued to you in satisfaction of this Award, within 74 days after the Restricted Period ends

TRANSFER RESTRICTIONS. The RSUs may not be sold, transferred, pledged, exchanged, hypothecated or otherwise disposed during the Restricted Period, other than by will or by the laws of descent and distribution.

ACKNOWLEDGMENTS. By signing below, you acknowledge that you have received a copy of the Plan, and you hereby accept the RSUs subject to all the terms and provisions of the Plan and the program. Nothing contained in the Plan, the program or this Agreement shall give you any rights to continued service on the Board of Directors of the Company or Stock Yards Bank.

STOCK YARDS BANCORP, INC.

Director

By: _____

Date: _____

Date: _____

**AMENDMENT NO. 2 TO
EXECUTIVE NONQUALIFIED
DEFERRED COMPENSATION PLAN**

This is Amendment No. 2 to the Stock Yards Bank & Trust Company Executive Nonqualified Deferred Compensation Plan, (the "**Plan**") as last amended and restated in 2009 by Stock Yards Bank & Trust Company and Stock Yards Bancorp, Inc. (together referred to herein as the "**Company**"), and shall be effective as of the date it is executed below.

Recitals

- A. The Company maintains the Plan and, pursuant to Section 13.2 of the Plan, has reserved the right to amend it.
- B. The Company wishes to allow the Company to provide for a specific time and form of payment for selected Participants who receive an Employer Credit (rather than such amounts being subject to Participant election as to time and form of payment as is allowed for other portions of their Deferred Compensation Account).

Amendments

NOW, THEREFORE, the Plan is hereby amended as follows:

1. A new Section 6.10 is hereby added to the Plan to read in its entirety as follows:

6.10 Employer Credits Subject to Different Time and Form of Payment. Notwithstanding anything in Sections 5 or 6 to the contrary, if an Employer Contribution Agreement as contemplated by Section 4.2 includes a specific time and form of payment with respect to some or all of a Participant's Employer Credits provided for therein, the time of payment shall be as provided in the Employer contribution Agreement and not as provided in Section 5 and that Participant's elections as to time and form of payment, and any changes thereto, that are otherwise allowed by this Plan shall not apply to such Employer Credits or the investment return credited thereon ("**Fixed Payment Employer Credits**"). Fixed Payment Employer Credits shall be accounted for separately hereunder and paid only as and when provided in said Employer Contribution Agreement.

IN WITNESS WHEREOF, a duly authorized officer of each Company has executed this Amendment No. 2 to the Stock Yards Bank & Trust Company Executive Nonqualified Deferred Compensation Plan as of the date set forth below.

STOCK YARDS BANK & TRUST COMPANY

STOCK YARDS BANCORP, INC.

By: /s/ James A. Hillebrand

By: /s/ James A. Hillebrand

Name: James A. Hillebrand

Name: James A. Hillebrand

Title: Chairman and Chief Executive Officer

Title: Chairman and Chief Executive Officer

Date: February 21, 2022

Date: February 21, 2022

Code of Ethics for the Chief Executive Officer and Financial Executives

Stock Yards Bancorp, Inc. and Stock Yards Bank & Trust Company are strongly committed to conducting business with honesty and integrity and in compliance with all applicable laws and regulations. Senior financial officers hold an important position in our corporate governance structure because of their role in balancing, protecting and preserving the interests of all of our stakeholders. This Code of Ethics for the Chief Executive Officer and Financial Executives contains specific principles to which the Chief Executive Officer, President, Chief Financial Officer, Controller and other financial, accounting and treasury officers (the “Financial Officers”) are expected to adhere. This Code of Ethics is intended to supplement the general corporate code of conduct.

This code is intended to be our Code of Ethics for Senior Financial Officers pursuant to the provisions of Section 406 of the Sarbanes-Oxley Act of 2002 and related rules of the Securities and Exchange Commission.

All Financial Officers will:

1. Act with honesty and integrity, avoiding actual or apparent conflicts of interest in personal and professional relationships.
2. Provide our stakeholders with information that is accurate, complete, objective, relevant, timely and understandable.
3. Comply with rules and regulations of federal, state, provincial and local governments, and other appropriate private and public regulatory agencies.
4. Act in good faith, responsibly, with due care, competence and diligence, without misrepresenting material facts or allowing one’s independent judgment to be subordinated.
5. Respect the confidentiality of information acquired in the course of one’s work except when authorized or otherwise legally obligated to disclose. Confidential information acquired in the course of one’s work will not be used for personal advantage.
6. Share knowledge and maintain skills important and relevant to our stakeholders’ needs.
7. Proactively promote ethical behavior as a responsible partner among peers in one’s work environment.
8. Achieve responsible use of and control over all assets and resources employed or entrusted to us.
9. Report known or suspected violations of this Code in accordance with all applicable rules of procedure.
10. Be held accountable for adhering to this Code.
11. Not unduly or fraudulently influence, coerce, manipulate or mislead any authorized audit or interfere with any auditor engaged in the performance of an internal or independent audit of our financial statements or accounting books and records.

We will promptly disclose the nature of any amendment (other than administrative or non-substantive amendments) to or waiver from this Code of Ethics as may be required by applicable rules of the Securities and Exchange Commission and the NASDAQ.

Stock Yards Bancorp, Inc.
Subsidiaries of the Registrant
As of December 31, 2021

Name of Subsidiary	Jurisdiction of Incorporation	Business Name of Subsidiary
Stock Yards Bank & Trust Company	Kentucky	Stock Yards Bank & Trust Company
SYB Insurance Company, Inc.	Nevada	SYB Insurance Company, Inc.

Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in the Registration Statements on Form S-8 (File Nos. 333-128809 and 333-96742), Form S-3 (File No. 033-96744) and Form S-3ASR (File No. 333-261637) of Stock Yards Bancorp, Inc. (the “Company”) of our reports dated February 25, 2022, on our audits of the consolidated financial statements of the Company as of December 31, 2021 and 2020, and for the years then ended, which report is included in this Annual Report on Form 10-K. We also consent to the incorporation by reference of our report dated February 25, 2022, on our audit of the internal control over financial reporting of the Company as of December 31, 2021, which report is included in this Annual Report on Form 10-K.

/s/ BKD, LLP

Indianapolis, Indiana
February 25, 2022

CERTIFICATION PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT

I, James A. Hillebrand, certify that:

1. I have reviewed this annual report on Form 10-K of Stock Yards Bancorp, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report, based on such evaluation; and
 - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal controls over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 25, 2022

By: /s/ James A. Hillebrand
James A. Hillebrand
Chairman and CEO

CERTIFICATION PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT

I, T. Clay Stinnett, certify that:

1. I have reviewed this annual report on Form 10-K of Stock Yards Bancorp, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report, based on such evaluation; and
 - d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer and I have disclosed, based on our most recent evaluation of internal controls over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: February 25, 2022

By: /s/ T. Clay Stinnett
T. Clay Stinnett,
EVP, Treasurer and CFO

CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with this annual report of Stock Yards Bancorp, Inc. on Form 10-K for the period ending December 31, 2021 (the "Report"), we, the undersigned, certify, pursuant to 18 U.S.C. section 1350, as adopted pursuant to section 906 of the Sarbanes-Oxley Act of 2002, that, to the best of our knowledge and belief: (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Stock Yards Bancorp, Inc. as of and for the periods presented in the Report.

Date: February 25, 2022

By: /s/ James A. Hillebrand

James A. Hillebrand
Chairman and CEO

A signed original of this written statement required by section 906 has been provided to Stock Yards Bancorp, Inc. and will be retained by Stock Yards Bancorp, Inc. and furnished to the SEC or its staff upon request.

CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350, AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002

In connection with this annual report of Stock Yards Bancorp, Inc. on Form 10-K for the period ending December 31, 2021 (the "Report"), we, the undersigned, certify, pursuant to 18 U.S.C. section 1350, as adopted pursuant to section 906 of the Sarbanes-Oxley Act of 2002, that, to the best of our knowledge and belief: (1) The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and (2) The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of Stock Yards Bancorp, Inc. as of and for the periods presented in the Report.

Date: February 25, 2022

By: /s/ T. Clay Stinnett
T. Clay Stinnett
EVP, Treasurer and CFO

A signed original of this written statement required by section 906 has been provided to Stock Yards Bancorp, Inc. and will be retained by Stock Yards Bancorp, Inc. and furnished to the SEC or its staff upon request.