

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

FORM 10-Q

(Mark One)

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(D) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended September 30, 2020

OR

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

For the transition period from _____ to _____

Commission file number 001-31830

Cathay General Bancorp

(Exact name of registrant as specified in its charter)

Delaware

(State of other jurisdiction of incorporation
or organization)

95-4274680

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

777 North Broadway, Los Angeles, California
(Address of principal executive offices)

90012
(Zip Code)

Registrant's telephone number, including area code: (213) 625-4700
(Former name, former address and former fiscal year, if changed since last report)

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

Title of each class	Trading Symbol	Name of each exchange on which registered
Common Stock	CATY	Nasdaq Global Select Market

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 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 or a smaller reporting company. See definition of "large accelerated filer," "accelerated filer," and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer
Non-accelerated filer
Emerging growth company

Accelerated filer
Smaller reporting 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 is a shell company (as defined in Rule 12b-2 of the Exchange Act).
Yes No

Indicate the number of shares outstanding of each of the issuer's classes of common stock, as of the latest practicable date.

Common stock, \$.01 par value, 79,660,767 shares outstanding as of October 31, 2020.

CATHAY GENERAL BANCORP AND SUBSIDIARIES
3RD QUARTER 2020 REPORT ON FORM 10-Q
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Forward-Looking Statements

In this Quarterly Report on Form 10-Q, the term “Bancorp” refers to Cathay General Bancorp and the term “Bank” refers to Cathay Bank. The terms “Company,” “we,” “us,” and “our” refer to Bancorp and the Bank collectively.

The statements in this report include forward-looking statements within the meaning of the applicable provisions of the Private Securities Litigation Reform Act of 1995 regarding management’s beliefs, projections, and assumptions concerning future results and events. We intend such forward-looking statements to be covered by the safe harbor provision for forward-looking statements in these provisions. All statements other than statements of historical fact are “forward-looking statements” for purposes of federal and state securities laws, including statements about anticipated future operating and financial performance, financial position and liquidity, growth opportunities and growth rates, growth plans, acquisition and divestiture opportunities, business prospects, strategic alternatives, business strategies, financial expectations, regulatory and competitive outlook, loan and deposit growth, investment and expenditure plans, financing needs and availability, level of nonperforming assets, and other similar forecasts and statements of expectation and statements of assumptions underlying any of the foregoing. Words such as “aims,” “anticipates,” “believes,” “can,” “continue,” “could,” “estimates,” “expects,” “hopes,” “intends,” “may,” “optimistic,” “plans,” “potential,” “possible,” “predicts,” “projects,” “seeks,” “shall,” “should,” “will,” and variations of these words and similar expressions are intended to identify these forward-looking statements. Forward-looking statements by us are based on estimates, beliefs, projections, and assumptions of management and are not guarantees of future performance. These forward-looking statements are subject to certain risks, uncertainties and other factors that could cause actual results to differ materially from our historical experience and our present expectations or projections. Such risks, uncertainties and other factors include, but are not limited to:

- local, regional, national and international economic and market conditions and events and the impact they may have on us, our customers and our operations, assets and liabilities;
- the impact on our business, operations, financial condition, liquidity, results of operations, prospects and trading prices of our shares arising out of the COVID-19 pandemic;
- possible additional provisions for loan losses and charge-offs;
- credit risks of lending activities and deterioration in asset or credit quality;
- extensive laws and regulations and supervision that we are subject to, including potential supervisory action by bank supervisory authorities;
- increased costs of compliance and other risks associated with changes in regulation, including the implementation of the Dodd-Frank Wall Street Reform and Consumer Protection Act (the “Dodd-Frank Act”);
- higher capital requirements from the implementation of the Basel III capital standards;
- compliance with the Bank Secrecy Act and other money laundering statutes and regulations;
- potential goodwill impairment;
- liquidity risk;
- fluctuations in interest rates;
- risks associated with acquisitions and the expansion of our business into new markets;
- inflation and deflation;
- real estate market conditions and the value of real estate collateral;
- environmental liabilities;
- our ability to generate anticipated returns from our investments and/or financings in certain tax advantaged-projects;

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- our ability to compete with larger competitors;
- our ability to retain key personnel;
- successful management of reputational risk;
- natural disasters, public health crises (including the occurrence of a contagious disease or illness, such as the COVID-19 pandemic) and geopolitical events;
- failures, interruptions, or security breaches of our information systems;
- our ability to adapt our systems to the expanding use of technology in banking;
- risk management processes and strategies;
- adverse results in legal proceedings;
- the impact of regulatory enforcement actions, if any;
- certain provisions in our charter and bylaws that may affect acquisition of the Company;
- changes in accounting standards or tax laws and regulations;
- market disruption and volatility;
- fluctuations in the Bancorp's stock price;
- restrictions on dividends and other distributions by laws and regulations and by our regulators and our capital structure;
- issuances of preferred stock;
- capital level requirements and successfully raising additional capital, if needed, and the resulting dilution of interests of holders of our common stock; and
- the soundness of other financial institutions.

These and other factors are further described in Bancorp's Annual Report on Form 10-K for the year ended December 31, 2019 (Item 1A in particular), other reports and registration statements filed with the Securities and Exchange Commission ("SEC"), and other filings Bancorp makes with the SEC from time to time. Actual results in any future period may also vary from the past results discussed in this report. Given these risks and uncertainties, readers are cautioned not to place undue reliance on any forward-looking statements. We have no intention and undertake no obligation to update any forward-looking statement or to announce publicly any revision of any forward-looking statement to reflect developments, events, occurrences or circumstances after the date of such statement, except as required by law.

Bancorp's filings with the SEC are available at the website maintained by the SEC at <http://www.sec.gov>, or by request directed to Cathay General Bancorp, 9650 Flair Drive, El Monte, California 91731, Attention: Investor Relations (626) 279-3296.

PART I – FINANCIAL INFORMATION

ITEM 1. FINANCIAL STATEMENTS (UNAUDITED)

CATHAY GENERAL BANCORP AND SUBSIDIARIES
CONDENSED CONSOLIDATED BALANCE SHEETS
(Unaudited)

	<u>September 30, 2020</u>	<u>December 31, 2019</u>
	(In thousands, except share and per share data)	
Assets		
Cash and due from banks	\$ 128,896	\$ 177,240
Short-term investments and interest-bearing deposits	1,305,170	416,538
Cash and cash equivalents		
Securities available-for-sale (amortized cost of \$1,060,975 at September 30, 2020 and \$1,443,730 at December 31, 2019)	1,080,540	1,451,842
Loans	15,565,779	15,075,481
Less: Allowance for loan losses	(179,130)	(123,224)
Unamortized deferred loan fees, net	(4,210)	(626)
Loans, net	15,382,439	14,951,631
Equity securities	22,964	28,005
Federal Home Loan Bank stock	17,250	18,090
Other real estate owned, net	4,918	10,244
Affordable housing investments and alternative energy partnerships, net	325,013	308,681
Premises and equipment, net	103,438	104,239
Customers' liability on acceptances	12,973	10,694
Accrued interest receivable	57,102	53,541
Goodwill	372,189	372,189
Other intangible assets, net	5,631	6,296
Right-of-use assets - operating leases	32,591	33,990
Other assets	167,124	150,924
Total assets	\$ 19,018,238	\$ 18,094,144
Liabilities		
Deposits:		
Non-interest-bearing demand deposits	\$ 3,306,421	\$ 2,871,444
Interest-bearing deposits:		
NOW deposits	1,767,227	1,358,152
Money market deposits	3,227,359	2,260,764
Savings deposits	784,076	758,903
Time deposits	6,949,165	7,443,045
Total deposits	16,034,248	14,692,308
Short-term borrowings	—	25,683
Advances from the Federal Home Loan Bank	230,000	670,000
Other borrowings of affordable housing investments	23,788	29,022
Long-term debt	119,136	119,136
Deferred payments from acquisition	—	7,644
Acceptances outstanding	12,973	10,694
Lease liabilities - operating leases	35,116	35,873
Other liabilities	188,254	209,501
Total liabilities	16,643,515	15,799,861
Commitments and contingencies	—	—
Stockholders' Equity		
Common stock, \$0.01 par value, 100,000,000 shares authorized; 90,394,359 issued and 79,659,396 outstanding at September 30, 2020, and 90,064,382 issued and 79,729,419 outstanding at December 31, 2019	904	900
Additional paid-in-capital	955,742	950,466
Accumulated other comprehensive income, net	6,389	2,302
Retained earnings	1,743,106	1,659,153
Treasury stock, at cost (10,734,963 shares at September 30, 2020, and 10,334,963 shares at December 31, 2019)	(331,418)	(318,538)
Total equity	2,374,723	2,294,283
Total liabilities and equity	\$ 19,018,238	\$ 18,094,144

See accompanying Notes to Condensed Consolidated Financial Statements.

CATHAY GENERAL BANCORP AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS AND
COMPREHENSIVE INCOME

(Unaudited)

	Three months ended September 30,		Nine months ended September 30,	
	2020	2019	2020	2019
	(In thousands, except share and per share data)			
Interest and Dividend Income				
Loans receivable, including loan fees	\$ 167,556	\$ 187,827	\$ 513,575	\$ 548,395
Investment securities	4,115	8,687	17,130	24,454
Federal Home Loan Bank stock	216	301	735	903
Deposits with banks	347	1,016	1,538	4,289
Total interest and dividend income	<u>172,234</u>	<u>197,831</u>	<u>532,978</u>	<u>578,041</u>
Interest Expense				
Time deposits	26,247	40,378	92,213	113,992
Other deposits	5,761	6,626	19,671	17,591
Advances from Federal Home Loan Bank	1,251	1,661	4,119	5,976
Long-term debt	1,456	1,948	4,336	6,087
Deferred payments from acquisition	15	93	115	502
Short-term borrowings	—	125	234	198
Total interest expense	<u>34,730</u>	<u>50,831</u>	<u>120,688</u>	<u>144,346</u>
Net interest income before provision/(reversal) for credit losses	137,504	147,000	412,290	433,695
Provision/(reversal) for credit losses	12,500	(2,000)	62,500	(2,000)
Net interest income after provision/(reversal) for credit losses	<u>125,004</u>	<u>149,000</u>	<u>349,790</u>	<u>435,695</u>
Non-Interest Income				
Net (losses)/gains from equity securities	(1,605)	364	(1,928)	7,764
Securities gains/(losses), net	—	(121)	1,153	(108)
Letters of credit commissions	1,792	1,602	4,992	4,733
Depository service fees	1,263	1,119	3,678	3,617
Other operating income	8,527	7,424	23,474	20,097
Total non-interest income	<u>9,977</u>	<u>10,388</u>	<u>31,369</u>	<u>36,103</u>
Non-Interest Expense				
Salaries and employee benefits	33,341	31,915	92,477	97,200
Occupancy expense	5,295	5,579	15,435	16,617
Computer and equipment expense	3,044	2,741	8,218	8,453
Professional services expense	5,241	5,952	15,586	17,209
Data processing service expense	3,772	3,246	11,004	9,737
FDIC and regulatory assessments	1,993	2,582	6,854	7,190
Marketing expense	1,089	2,436	3,890	5,556
Other real estate owned expense/(income)	423	190	(3,229)	839
Amortization of investments in low income housing and alternative energy partnerships	16,173	6,997	42,997	26,909
Amortization of core deposit intangibles	172	172	515	515
Other operating expense	5,454	3,770	14,672	15,871
Total non-interest expense	<u>75,997</u>	<u>65,580</u>	<u>208,419</u>	<u>206,096</u>
Income before income tax expense	58,984	93,808	172,740	265,702
Income tax expense	2,190	20,973	14,773	53,944
Net income	<u>\$ 56,794</u>	<u>\$ 72,835</u>	<u>\$ 157,967</u>	<u>\$ 211,758</u>
Other Comprehensive (Loss)/Income, net of tax				
Unrealized holding (losses)/gains on securities available-for-sale	(2,496)	1,233	8,880	21,216
Unrealized holding gains/(losses) on cash flow hedge derivatives	532	(793)	(3,981)	(4,119)
Less: reclassification adjustments for gains/(losses) included in net income	-	(85)	812	(76)
Total other comprehensive (loss)/income, net of tax	<u>(1,964)</u>	<u>525</u>	<u>4,087</u>	<u>17,173</u>
Total comprehensive income	<u>\$ 54,830</u>	<u>\$ 73,360</u>	<u>\$ 162,054</u>	<u>\$ 228,931</u>
Net Income Per Common Share:				
Basic	\$ 0.71	\$ 0.91	\$ 1.98	\$ 2.64
Diluted	\$ 0.71	\$ 0.91	\$ 1.98	\$ 2.64
Cash dividends paid per common share	\$ 0.31	\$ 0.31	\$ 0.93	\$ 0.93
Average Common Shares Outstanding:				
Basic	79,628,372	79,736,814	79,599,288	80,096,855
Diluted	79,764,318	79,993,830	79,758,943	80,330,616

See accompanying Notes to Condensed Consolidated Financial Statements.

CATHAY GENERAL BANCORP AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY
(Unaudited)

Three months ended	Common Stock		Additional Paid-in Capital	Accumulated Other Comprehensive Income/(Loss)		Retained Earnings	Treasury Stock	Total Stockholders' Equity
	Number of Shares	Amount						
	(In thousands, except share data)							
Balance at June 30, 2020	79,619,984	\$ 903	\$ 953,616	\$ 8,353	\$ 1,710,994	\$ (331,418)	\$	2,342,448
Dividend Reinvestment Plan	37,420	1	866	—	—	—	—	867
Restricted stock units vested	1,992	—	—	—	—	—	—	—
Shares withheld related to net share settlement of RSUs	—	—	(4)	—	—	—	—	(4)
Stock -based compensation	—	—	1,264	—	—	—	—	1,264
Cash dividends of \$0.31 per share	—	—	—	—	(24,682)	—	—	(24,682)
Other comprehensive loss	—	—	—	(1,964)	—	—	—	(1,964)
Net income	—	—	—	—	56,794	—	—	56,794
Balance at September 30, 2020	79,659,396	904	955,742	6,389	1,743,106	(331,418)		2,374,723

	Common Stock		Additional Paid-in Capital	Accumulated Other Comprehensive (Loss)/Income		Retained Earnings	Treasury Stock	Total Stockholders' Equity
	Number of Shares	Amount						
	(In thousands, except share data)							
Balance at June 30, 2019	79,818,003	\$ 900	\$ 945,250	\$ (1,358)	\$ 1,568,351	\$ (313,846)	\$	2,199,297
Dividend Reinvestment Plan	23,508	—	841	—	—	—	—	841
Purchases of treasury stock	(135,000)	—	—	—	—	(4,692)	—	(4,692)
Stock -based compensation	—	—	1,789	—	—	—	—	1,789
Cash dividends of \$0.31 per share	—	—	—	—	(24,701)	—	—	(24,701)
Other comprehensive income	—	—	—	525	—	—	—	525
Net income	—	—	—	—	72,835	—	—	72,835
Balance at September 30, 2019	79,706,511	900	947,880	(833)	1,616,485	(318,538)		2,245,894

See accompanying Notes to Condensed Consolidated Financial Statements.

CATHAY GENERAL BANCORP AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY
(Unaudited)

Nine months ended	Common Stock		Additional Paid-in Capital	Accumulated Other Comprehensive Income		Retained Earnings	Treasury Stock	Total Stockholders' Equity
	Number of Shares	Amount						
(In thousands, except share data)								
Balance at December 31, 2019	79,729,419	\$ 900	\$ 950,466	\$ 2,302	\$ 1,659,153	\$ (318,538)	\$	2,294,283
Dividend Reinvestment Plan	109,988	2	2,571	—	—	—	—	2,573
Restricted stock units vested	188,879	2	—	—	—	—	—	2
Shares withheld related to net share settlement of RSUs	—	—	(1,903)	—	—	—	—	(1,903)
Stock issued to directors	31,110	—	800	—	—	—	—	800
Purchases of treasury stock	(400,000)	—	—	—	—	(12,880)	—	(12,880)
Stock-based compensation	—	—	3,808	—	—	—	—	3,808
Cash dividends of \$0.93 per share	—	—	—	—	(74,014)	—	—	(74,014)
Other comprehensive income	—	—	—	4,087	—	—	—	4,087
Net income	—	—	—	—	157,967	—	—	157,967
Balance at September 30, 2020	79,659,396	\$ 904	\$ 955,742	\$ 6,389	\$ 1,743,106	\$ (331,418)	\$	2,374,723

	Common Stock		Additional Paid-in Capital	Accumulated Other Comprehensive (Loss)/Income		Retained Earnings	Treasury Stock	Total Stockholders' Equity
	Number of Shares	Amount						
(In thousands, except share data)								
Balance at December 31, 2018	80,501,948	\$ 898	\$ 942,062	\$ (18,006)	\$ 1,479,149	\$ (282,237)	\$	2,121,866
Dividend Reinvestment Plan	70,798	1	2,521	—	—	—	—	2,522
Restricted stock units vested	123,199	1	—	—	—	—	—	1
Shares withheld related to net share settlement of RSUs	—	—	(2,300)	—	—	—	—	(2,300)
Stock issued to directors	21,160	—	749	—	—	—	—	749
Purchases of treasury stock	(1,010,594)	—	—	—	—	(36,301)	—	(36,301)
Stock-based compensation	—	—	4,848	—	—	—	—	4,848
Cash dividends of \$0.93 per share	—	—	—	—	(74,422)	—	—	(74,422)
Other comprehensive income	—	—	—	17,173	—	—	—	17,173
Net income	—	—	—	—	211,758	—	—	211,758
Balance at September 30, 2019	79,706,511	\$ 900	\$ 947,880	\$ (833)	\$ 1,616,485	\$ (318,538)	\$	2,245,894

See accompanying Notes to Condensed Consolidated Financial Statements.

CATHAY GENERAL BANCORP AND SUBSIDIARIES
CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS
(Unaudited)

	Nine months ended September 30,	
	2020	2019
	(In thousands)	
Cash Flows from Operating Activities		
Net income	\$ 157,967	\$ 211,758
Adjustments to reconcile net income to net cash provided by operating activities:		
Provision/(reversal) for credit losses	62,500	(2,000)
Provision for losses on other real estate owned	717	494
Deferred tax (benefit)/provision	(10,305)	9,911
Depreciation and amortization	5,644	5,009
Amortization of right-of-use asset	6,624	6,248
Change in operating lease liabilities	(757)	(5,298)
Net gains on sale and transfer of other real estate owned	(4,216)	(193)
Net gains on sale of loans held for sale	(219)	(795)
Proceeds from sales of loans held for sale	6,406	38,742
Originations of loans held for sale	(6,187)	—
Amortization on alternative energy partnerships, venture capital and other investments	42,904	27,009
Net (gain)/loss on sales and calls of securities	(1,153)	108
Amortization/accretion of security premiums/discounts, net	6,211	2,376
Loss on sales or disposal of fixed assets	45	—
Unrealized loss/(gain) on equity securities	1,928	(7,764)
Stock based compensation and stock issued to officers as compensation	4,608	5,597
Net change in accrued interest receivable and other assets	(13,000)	(31,640)
Net change in other liabilities	(26,597)	64,186
Net cash provided by operating activities	233,120	323,748
Cash Flows from Investing Activities		
Purchase of investment securities available-for-sale	(272,961)	(539,979)
Proceeds from sale of investment securities available-for-sale	107,539	149,725
Proceeds from sale of equity securities	3,112	—
Proceeds from repayments, maturities and calls of investment securities available-for-sale	543,114	233,058
Purchase of Federal Home Loan Bank stock	(840)	(975)
Redemptions of Federal Home Loan Bank stock	1,680	975
Net increase in loans	(496,732)	(803,291)
Purchase of premises and equipment	(4,372)	(5,125)
Proceeds from sales of other real estate owned	4,308	1,905
Net increase in investment in affordable housing and alternative energy partnerships	(60,129)	(35,952)
Net cash used for investing activities	(175,281)	(999,659)
Cash Flows from Financing Activities		
Net increase in deposits	1,342,019	955,679
Advances from Federal Home Loan Bank	1,450,000	3,610,000
Repayment of Federal Home Loan Bank borrowings	(1,890,000)	(3,540,000)
Cash dividends paid	(74,014)	(74,422)
Repayment of other borrowings	(7,663)	(39,918)
Proceeds from other borrowings	—	25,507
Purchases of treasury stock	(12,880)	(36,301)
Repayment of short-term borrowings	(25,683)	—
Proceeds from shares issued under Dividend Reinvestment Plan	2,573	2,522
Taxes paid related to net share settlement of RSUs	(1,903)	(2,300)
Net cash provided by financing activities	782,449	900,767
Increase in cash, cash equivalents, and restricted cash	840,288	224,856
Cash, cash equivalents, and restricted cash, beginning of the period	593,778	600,290
Cash, cash equivalents, and restricted cash, end of the period	\$ 1,434,066	\$ 825,146
Supplemental disclosure of cash flow information		
Cash paid during the period:		
Interest	\$ 133,151	\$ 137,422
Income taxes paid	\$ 35,490	\$ 43,507
Non-cash investing and financing activities:		
Net change in unrealized holding loss on securities available-for-sale, net of tax	\$ 8,068	\$ 21,292
Net change in unrealized holding loss on cash flow hedge derivatives	\$ (3,981)	\$ (4,119)
Transfers to other real estate owned from loans held for investment	\$ —	\$ 860
Loans transferred from held for investment to held for sale, net	\$ —	\$ 75,285

See accompanying Notes to Condensed Consolidated Financial Statements.

CATHAY GENERAL BANCORP AND SUBSIDIARIES
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (Unaudited)

1. Business

Cathay General Bancorp (“Bancorp”) is the holding company for Cathay Bank (the “Bank” and, together, with Bancorp, the “Company”), ten limited partnerships investing in affordable housing investments in which the Bank is the sole limited partner, Asia Realty Corp. and GBC Venture Capital, Inc. Bancorp also owns 100% of the common stock of five statutory business trusts created for the purpose of issuing capital securities. The Bank was founded in 1962 and offers a wide range of financial services. As of September 30, 2020, the Bank operates 25 branches in Southern California, 13 branches in Northern California, 10 branches in New York State, four in Washington State, three in Illinois, two in Texas, one in Maryland, Massachusetts, Nevada, and New Jersey, one in Hong Kong, and a representative office in Taipei, Beijing, and Shanghai. Deposit accounts at the Hong Kong branch are not insured by the Federal Deposit Insurance Corporation (the “FDIC”).

2. Basis of Presentation

The accompanying unaudited Condensed Consolidated Financial Statements have been prepared in accordance with accounting principles generally accepted in the United States of America (“GAAP”) for interim financial information and with the instructions to Form 10-Q and Article 10 of Regulation S-X. Accordingly, they do not include all the information and footnotes required by GAAP for complete financial statements. In the opinion of management, all adjustments (consisting of normal recurring accruals) considered necessary for a fair presentation have been included. Operating results for the interim periods presented are not necessarily indicative of the results that may be expected for the year ending December 31, 2020. For further information, refer to the audited Consolidated Financial Statements and Notes included in the Company’s Annual Report on Form 10-K for the year ended December 31, 2019.

The preparation of the Condensed Consolidated Financial Statements in accordance with GAAP requires management of the Company to make estimates and judgments that affect the reported amounts of assets and liabilities, revenues and expenses, and related disclosures of contingent assets and liabilities at the date of the Condensed Consolidated Financial Statements. Actual results could differ from those estimates. The Company expects that the most significant estimates subject to change are the allowance for loan losses.

3. Recent Accounting Pronouncements

Accounting Standards Adopted in 2020

In January 2017, the FASB issued ASU 2017-04, “Intangibles—Goodwill and Other (Topic 350): Simplifying the Test for Goodwill Impairment.” This update simplifies how an entity is required to test goodwill for impairment by eliminating Step 2 from the goodwill impairment test. Step 2 measures a goodwill impairment loss by comparing the implied fair value of a reporting unit’s goodwill with the carrying amount of that goodwill. Adoption of this update is on a prospective basis and the amendments in this update are to be applied to annual periods beginning after December 15, 2019. Adoption of ASU 2017-04 did not have a material impact on the Company’s Consolidated Financial Statements.

In August 2018, the FASB issued ASU No. 2018-13, “Disclosure Framework Changes to the Disclosure Requirements for Fair Value Measurement.” This ASU eliminates, adds and modifies certain disclosure requirements for fair value measurements. Among the changes, entities will no longer be required to disclose the amount of and reasons for transfers between Level 1 and Level 2 of the fair value hierarchy but will be required to disclose the range and weighted average used to develop significant unobservable inputs for Level 3 fair value measurements. ASU No. 2018-13 is effective for interim and annual reporting periods beginning after December 15, 2019; early adoption is permitted. As ASU No. 2018-13 only revises disclosure requirements, there was no material impact on the Company’s Consolidated Financial Statements.

Other Accounting Standards Pending Adoption

In June 2016, the FASB issued ASU 2016-13, “Financial Instruments - Credit Losses (Topic 326): Measurement of Credit Losses on Financial Instruments.” This update requires an entity to use a broader range of reasonable and supportable (“R&S”) forecasts, in addition to historical experience and current conditions, to develop an expected credit loss estimate, referred to as the Current Expected Credit Loss (“CECL”) model, for financial assets and net investments that are not accounted for at fair value through net income. Credit losses relating to available-for-sale debt securities should be recorded through an allowance for credit losses to the amount by which fair value is below amortized cost.

The FASB issued additional ASUs containing clarifying guidance, transition relief provisions and minor updates to the original ASU. These include ASU 2018-19 (issued November 2018), ASU 2019-04 (issued April 2019), ASU 2019-05 (issued May 2019), ASU 2019-10 (issued November 2019), ASU 2019-11 (issued November 2019), ASU 2020-02 (issued February 2020) and ASU 2020-03 (issued March 2020). ASU 2016-13 and subsequent ASUs are effective for fiscal years, and interim periods within those fiscal years, beginning after December 15, 2019. This amendment is required to be adopted using a modified retrospective approach with a cumulative-effect adjustment to beginning retained earnings, as of the beginning of the first reporting period in which the guidance is effective.

As previously disclosed, the Company formed a multidisciplinary project team and implementation plan, developed a conceptual framework, and engaged an outside firm to develop econometric regression models for net losses during the R&S forecast period. Our approach for estimating expected life-time credit losses includes, among other things, the following key components for all loan portfolio segments: a. The use of a probability of default/loss given default methodology; b. A number of scenarios based on forecasts from an outside economic forecasting company to develop economic forecasts for the R&S period; c. An initial R&S forecast period of eight quarters for all loan portfolio segments, which reflects management's expectation of losses based on forward-looking economic scenarios over that time; and d. A post-R&S reversion period of four quarters using a linear transition to the historical loss rates for each loan pool. Model back testing, third party model validation and management review of model results are substantially underway, and are nearing completion.

As previously disclosed, the Company has elected to delay its adoption of ASU 2016-13, as provided by the Coronavirus Aid, Relief, and Economic Security (the “CARES Act”), until the date on which the national emergency related to the COVID-19 outbreak is terminated or December 31, 2020, whichever occurs first. Upon adoption of ASU 2016-13, the Company expects to recognize, as of January 1, 2020, a one-time cumulative effect adjustment through retained earnings of between \$10 million to \$12 million and expects to increase its allowance for credit losses (“ACL”) by \$15 to \$17 million. As of September 30, 2020, the Company’s process for estimation of the ACL under the CECL model is in progress as to the March 31, 2020 ACL, the June 30, 2020 ACL and the September 30, 2020 ACL. Based on its preliminary analysis as of September 30, 2020, the Company preliminarily estimates an addition to its ACL of between \$10 to \$15 million for the first quarter of 2020, an addition of between \$5 million and \$10 million for the second quarter of 2020, and a reduction of between \$15 to \$25 million for the third quarter of 2020 above the \$25 million reported under the incurred loss method for both the quarter ended March 31, 2020 and the quarter ended June 30, 2020 and below the \$12.5 million recorded under the incurred loss method for the quarter ended September 30, 2020.

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In July 2017, the FASB issued ASU 2017-11, “Earnings per Share (Topic 260), Distinguishing Liabilities from Equity (Topic 480) and Derivatives and Hedging (Topic 815).” There are two parts to this update. Part I of this update addresses the complexity of accounting for certain financial instruments with down round features. Down round features are features of certain equity-linked instruments that result in the strike price being reduced on the basis of the pricing of future equity offerings. Part II of this update addresses the difficulty in navigating Topic 480, Distinguishing Liabilities from Equity, because of the existence of extensive pending content in the FASB Accounting Standards Codification. This pending content is the result of the indefinite deferral of accounting requirements about mandatorily redeemable financial instruments of certain nonpublic entities and certain mandatorily redeemable noncontrolling interests. The amendments in this update are effective for fiscal years beginning after December 15, 2020. Early adoption is permitted for all entities, including adoption in an interim period. If an entity early adopts the amendments in an interim period, any adjustments should be reflected as of the beginning of the fiscal year that includes that interim period. The amendments in part I of this update should be applied in either of the following ways: (i) Retrospectively to outstanding financial instruments with a down round feature by means of a cumulative-effect adjustment to the statement of financial position as of the beginning of the first fiscal year and interim periods in which the pending content that links to this paragraph is effective; or (ii) Retrospectively to outstanding financial instruments with a down round feature for each prior reporting period presented in accordance with the guidance on accounting changes in paragraphs 250-10-45-5 through 45-10. The amendments to Part II of this update do not require any transition guidance because those amendments do not have an accounting effect. The Company does not expect ASU 2017-11 to have a material impact on its Consolidated Financial Statements.

In December 2019, the FASB issued ASU No. 2019-12, “Income Taxes (Topic 740); Simplifying the Accounting for Income Taxes.” This ASU removes specific exceptions to the general principles in Topic 740 in Generally Accepted Accounting Principles. It eliminates the need for an organization to analyze whether the following apply in a given period: exception to the incremental approach for intra-period tax allocation; exception to accounting for basis differences when there are ownership changes in foreign investments; and exception in interim period income tax accounting for year-to-date losses that exceed anticipated losses. The ASU also improves financial statement preparers’ application of income tax-related guidance and simplifies GAAP for: Franchise taxes that are partially based on income; transactions with a government that result in a step up in the tax basis of goodwill; separate financial statements of legal entities that are not subject to tax; and enacted changes in tax laws in interim periods. This ASU is effective for public business entities, for fiscal years beginning after December 15, 2020 with early adoption permitted for public business entities for periods for which financial statements have not yet been issued. The Company does not expect the adoption of ASU 2019-12 to have a material impact on the Company’s Consolidated Financial Statements.

In January 2020, the FASB issued ASU No. 2020-01, “Investments—Equity Securities (Topic 321), Investments—Equity Method and Joint-Ventures (Topic 323), and Derivatives and Hedging (Topic 815). Clarifying the Interactions between Topic 321, Topic 323, and Topic 815.” This ASU is effective for public business entities for fiscal years, and interim periods within those fiscal years, beginning after December 15, 2020. Early application is permitted, including early adoption in an interim period for public business entities for periods for which financial statements have not yet been issued. An entity should apply ASU No. 2020-01 prospectively at the beginning of the interim period that includes the adoption date. This ASU, among other things, clarifies that a company should consider observable transactions that require a company to either apply or discontinue the equity method of accounting under Topic 323, Investments—Equity Method and Joint Ventures, for the purposes of applying the measurement alternative in accordance with Topic 321 immediately before applying or upon discontinuing the equity method. The new ASU clarifies that, when determining the accounting for certain forward contracts and purchased options, a company should not consider, whether upon settlement or exercise, if the underlying securities would be accounted for under the equity method or fair value option. The Company does not expect the adoption of ASU 2020-01 to have a material impact on the Company’s Consolidated Financial Statements.

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In March 2020, the FASB issued ASU No. 2020-04, “Reference Rate Reform (Topic 848): Facilitation of the Effects of Reference Rate Reform on Financial Reporting.” ASU No. 2020-04 is effective for all entities as of March 12, 2020 through December 31, 2022. This ASU provides temporary optional guidance to ease the potential burden in accounting for reference rate reform. The new guidance provides optional expedients and exceptions for applying generally accepted accounting principles to contract modifications and hedging relationships, subject to meeting certain criteria, that reference LIBOR or another reference rate expected to be discontinued. The ASU is intended to help stakeholders during the global market-wide reference rate transition period. Therefore, it will be in effect for a limited time through December 31, 2022. The Company is evaluating the impact of adopting ASU 2020-02 on the Company’s Consolidated Financial Statements.

4. Cash, Cash Equivalents and Restricted Cash

The Company manages its cash and cash equivalents based upon the Company’s operating, investment, and financing activities. Cash and cash equivalents, including for purposes of reporting cash flows, consist of cash on hand, amounts due from banks, and short-term investments with original maturity of three months or less.

The Company is required to maintain reserves with the Federal Reserve Bank. Reserve requirements are based on a percentage of deposit liabilities. The average reserve balances required were \$78 thousand and \$110 thousand for the nine months ended September 30, 2020 and for the year ended December 31, 2019, respectively. As of September 30, 2020 and December 31, 2019, the Company had \$39.0 million and \$17.7 million, respectively, on deposit in a cash margin account that serves as collateral for interest rate swaps. These amounts included \$13.2 million and \$7.1 million, respectively, on deposit in a cash margin account that serves as collateral for the Bancorp’s interest rate swaps. As of September 30, 2020 and December 31, 2019, the Company held \$21.8 million and \$18.9 million, respectively, in a restricted escrow account with a major bank for its alternative energy investments.

5. Earnings per Share

Basic earnings per share excludes dilution and is computed by dividing net income available to common stockholders by the weighted-average number of common shares outstanding for the period. Diluted earnings per share reflects the potential dilution that could occur if securities or other contracts to issue common stock were exercised or converted into common stock and resulted in the issuance of common stock that then shared in earnings. Restricted stock units (“RSUs”) with anti-dilutive effect were not included in the computation of diluted earnings per share. The following table sets forth earnings per common share calculations:

	Three months ended September 30,		Nine months ended September 30,	
	2020	2019	2020	2019
	(In thousands, except share and per share data)			
Net income	\$ 56,794	\$ 72,835	\$ 157,967	\$ 211,758
Weighted-average shares:				
Basic weighted-average number of common shares outstanding	79,628,372	79,736,814	79,599,288	80,096,855
Dilutive effect of weighted-average outstanding common share equivalents RSUs	135,946	257,016	159,655	233,761
Diluted weighted-average number of common shares outstanding	79,764,318	79,993,830	79,758,943	80,330,616
Average restricted stock units with anti-dilutive effect	117,621	32,321	97,110	47,690
Earnings per common share:				
Basic	\$ 0.71	\$ 0.91	\$ 1.98	\$ 2.64
Diluted	\$ 0.71	\$ 0.91	\$ 1.98	\$ 2.64

6. Stock-Based Compensation

Pursuant to the Company's 2005 Incentive Plan, as amended and restated, the Company may grant incentive stock options (employees only), non-statutory stock options, common stock awards, restricted stock, RSUs, stock appreciation rights and cash awards to non-employee directors and eligible employees.

RSUs are generally granted at no cost to the recipient. RSUs generally vest ratably over three years or cliff vest after one or three years of continued employment from the date of the grant. While a portion of RSUs may be time-vesting awards, others may vest subject to the attainment of specified performance goals and are referred to as "performance-based RSUs." All RSUs are subject to forfeiture until vested.

Performance-based RSUs are granted at the target amount of awards. Based on the Company's attainment of specified performance goals and consideration of market conditions, the number of shares that vest can be adjusted to a minimum of zero and to a maximum of 150% of the target. The amount of performance-based RSUs that are eligible to vest is determined at the end of each performance period and is then added together to determine the total number of performance shares that are eligible to vest. Performance-based RSUs generally cliff vest three years from the date of grant.

Compensation costs for the time-based awards are based on the quoted market price of the Company's stock at the grant date. Compensation costs associated with performance-based RSUs are based on grant date fair value, which considers both market and performance conditions. Compensation costs of both time-based and performance-based awards are recognized on a straight-line basis from the grant date until the vesting date of each grant.

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The following table presents RSU activity during the nine months ended September 30, 2020:

	Time-Based RSUs		Performance-Based RSUs	
	Shares	Weighted-Average Grant Date Fair Value	Shares	Weighted-Average Grant Date Fair Value
Balance at December 31, 2019	273,200	\$ 35.90	297,744	\$ 32.65
Granted	3,013	24.89	212,369	19.66
Vested	(79,630)	25.39	(193,240)	21.68
Forfeited	(8,162)	39.41	(14,071)	39.08
Balance at September 30, 2020	188,421	\$ 40.01	302,802	\$ 30.24

The compensation expense recorded for RSUs was \$1.3 million and \$1.8 million for the three months ended September 30, 2020 and 2019, respectively. For the nine months ended September 30, 2020 and 2019, the compensation expense recorded for RSUs was \$3.8 million and \$4.8 million, respectively. Unrecognized stock-based compensation expense related to RSUs was \$8.0 million and \$11.5 million as of September 30, 2020 and 2019, respectively. As of September 30, 2020, these costs are expected to be recognized over the next 1.7 years for time-based and performance-based RSUs.

As of September 30, 2020, 2,150,724 shares were available for future grants under the Company's 2005 Incentive Plan, as amended and restated.

Tax deficiency from share-based payment arrangements increased income tax expense by \$0.4 million and a tax benefit from share-based payment arrangements reduced income tax expense by \$0.6 million in the nine months ended September 30, 2020 and 2019, respectively.

7. Investment Securities

The following tables set forth the amortized cost, gross unrealized gains, gross unrealized losses, and fair value of securities available-for-sale as of September 30, 2020, and December 31, 2019:

	September 30, 2020			Fair Value
	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	
	(In thousands)			
Securities Available-for-Sale				
U.S. treasury securities	\$ 99,968	\$ 12	\$ —	\$ 99,980
U.S. government agency entities	104,661	465	530	104,596
Mortgage-backed securities	709,756	20,045	557	729,244
Collateralized mortgage obligations	222	—	11	211
Corporate debt securities	146,368	288	147	146,509
Total	\$ 1,060,975	\$ 20,810	\$ 1,245	\$ 1,080,540

	December 31, 2019			
	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
	(In thousands)			
Securities Available-for-Sale				
U.S. treasury securities	\$ 74,926	\$ 10	\$ —	\$ 74,936
U.S. government agency entities	90,452	663	319	90,796
U.S. government sponsored entities	225,000	—	557	224,443
Mortgage-backed securities	880,040	8,574	824	887,790
Collateralized mortgage obligations	569	—	17	552
Corporate debt securities	172,743	605	23	173,325
Total	\$ 1,443,730	\$ 9,852	\$ 1,740	\$ 1,451,842

The amortized cost and fair value of securities available-for-sale as of September 30, 2020, by contractual maturities, are set forth in the tables below. Actual maturities may differ from contractual maturities because borrowers may have the right to call or repay obligations with or without call or repayment penalties.

	September 30, 2020	
	Amortized Cost	Fair Value
	(In thousands)	
Securities Available-For-Sale		
Due in one year or less	\$ 182,047	\$ 182,289
Due after one year through five years	44,028	44,044
Due after five years through ten years	176,079	178,429
Due after ten years	658,821	675,778
Total	\$ 1,060,975	\$ 1,080,540

Equity Securities - The Company recognized a net loss of \$1.6 million for the three months ended September 30, 2020, due to the decrease in fair value of equity investments with readily determinable fair values compared to a net gain of \$0.4 million for the three months ended September 30, 2019. The Company recognized a net loss of \$1.9 million for the nine months ended September 30, 2020, due to the decrease in fair value of equity investments with readily determinable fair values compared to a net gain of \$7.8 million for the nine months ended September 30, 2019. Equity securities were \$23.0 million and \$28.0 million as of September 30, 2020 and December 31, 2019, respectively.

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The following tables set forth the gross unrealized losses and related fair value of the Company's investment portfolio, aggregated by investment category and the length of time that individual security has been in a continuous unrealized loss position, as of September 30, 2020 and December 31, 2019:

	September 30, 2020					
	Less than 12 Months		12 Months or Longer		Total	
	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses
	(In thousands)					
Securities Available-for-Sale						
U.S. government agency entities	\$ 21,824	\$ 94	\$ 40,793	\$ 436	\$ 62,617	\$ 530
Mortgage-backed securities	1,924	20	8,944	537	10,868	557
Collateralized mortgage obligations	—	—	211	11	211	11
Corporate debt securities	45,762	147	—	—	45,762	147
Total	\$ 69,510	\$ 261	\$ 49,948	\$ 984	\$ 119,458	\$ 1,245

	December 31, 2019					
	Less than 12 Months		12 Months or Longer		Total	
	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses	Fair Value	Gross Unrealized Losses
	(In thousands)					
Securities Available-for-Sale						
U.S. government agency entities	\$ 48,829	\$ 172	\$ 3,570	\$ 147	\$ 52,399	\$ 319
U.S. government sponsored entities	—	—	224,443	557	224,443	557
Mortgage-backed securities	43,719	36	120,801	788	164,520	824
Collateralized mortgage obligations	—	—	552	17	552	17
Corporate debt securities	51,791	23	—	—	51,791	23
Total	\$ 144,339	\$ 231	\$ 349,366	\$ 1,509	\$ 493,705	\$ 1,740

To the Company's knowledge, the Company believes the unrealized losses were primarily attributed to yield curve movement, together with widened liquidity spreads and credit spreads. The issuers have not, to the Company's knowledge, established any cause for default on these securities. Management believes the gross unrealized losses detailed in the table above are temporary. The Company expects to recover the amortized cost basis of its securities and has no present intent to sell and will not be required to sell available-for-sale securities that have declined below their cost before their anticipated recovery. Accordingly, no other than temporary impairment write-downs were recorded on the Company's Condensed Consolidated Statement of Operations and Comprehensive Income in the three or nine months ended September 30, 2020 and 2019.

Securities available-for-sale having a carrying value of \$18.6 million and \$20.1 million as of September 30, 2020 and December 31, 2019, respectively, were pledged to secure public deposits, other borrowings and treasury tax and loan.

8. Loans

Most of the Company's business activities are with customers located in the high-density Asian-populated areas of Southern and Northern California; New York City, New York; Dallas and Houston, Texas; Seattle, Washington; Boston, Massachusetts; Chicago, Illinois; Edison, New Jersey; Rockville, Maryland; and Las Vegas, Nevada. The Company also has loan customers in Hong Kong. The Company has no specific industry concentration, and generally its loans, when secured, are secured by real property or other collateral of the borrowers. The Company generally expects loans to be paid off from the operating profits of the borrowers, from refinancing by other lenders, or through sale by the borrowers of the secured collateral.

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The types of loans in the Company's Condensed Consolidated Balance Sheets as of September 30, 2020, and December 31, 2019, were as follows:

	<u>September 30, 2020</u>	<u>December 31, 2019</u>
	(In thousands)	
Commercial loans	\$ 2,848,000	\$ 2,778,744
Residential mortgage loans	4,169,847	4,088,586
Commercial mortgage loans	7,459,316	7,275,262
Real estate construction loans	675,112	579,864
Equity lines	411,848	347,975
Installment and other loans	1,656	5,050
Gross loans	<u>\$ 15,565,779</u>	<u>\$ 15,075,481</u>
Allowance for loan losses	(179,130)	(123,224)
Unamortized deferred loan fees, net	(4,210)	(626)
Total loans, net	<u>\$ 15,382,439</u>	<u>\$ 14,951,631</u>

As of September 30, 2020, recorded investment in impaired loans totaled \$105.8 million and was comprised of non-accrual loans of \$77.2 million and accruing troubled debt restructured loans ("TDRs") of \$28.6 million. As of December 31, 2019, recorded investment in impaired loans totaled \$75.9 million and was comprised of non-accrual loans of \$40.5 million and accruing TDRs of \$35.4 million. For impaired loans, the amounts previously charged off represent 6.1% and 2.1% of the contractual balances for impaired loans as of September 30, 2020 and December 31, 2019, respectively.

The following table presents the average recorded investment and interest income recognized on impaired loans for the periods indicated:

	<u>Three Months Ended September 30,</u>				<u>Nine Months Ended September 30,</u>			
	<u>2020</u>		<u>2019</u>		<u>2020</u>		<u>2019</u>	
	<u>Average Recorded Investment</u>	<u>Interest Income Recognized</u>	<u>Average Recorded Investment</u>	<u>Interest Income Recognized</u>	<u>Average Recorded Investment</u>	<u>Interest Income Recognized</u>	<u>Average Recorded Investment</u>	<u>Interest Income Recognized</u>
	(In thousands)							
Commercial loans	\$ 30,346	\$ 148	\$ 38,659	\$ 208	\$ 30,723	\$ 242	\$ 41,132	\$ 705
Real estate construction loans	4,368	98	4,662	—	4,444	245	4,734	—
Commercial mortgage loans	40,708	268	40,699	332	37,730	966	51,323	1,034
Residential mortgage loans and equity lines	16,609	74	13,133	78	15,240	200	13,126	237
Total impaired loans	<u>\$ 92,031</u>	<u>\$ 588</u>	<u>\$ 97,153</u>	<u>\$ 618</u>	<u>\$ 88,137</u>	<u>\$ 1,653</u>	<u>\$ 110,315</u>	<u>\$ 1,976</u>

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The following table presents impaired loans and the related allowance for loan losses as of the dates indicated:

	September 30, 2020			December 31, 2019		
	Unpaid Principal Balance	Recorded Investment	Allowance	Unpaid Principal Balance	Recorded Investment	Allowance
	(In thousands)					
With no allocated allowance						
Commercial loans	\$ 16,210	\$ 13,293	\$ —	\$ 20,134	\$ 15,857	\$ —
Real estate construction loans	5,776	4,335	—	5,776	4,580	—
Commercial mortgage loans	22,996	22,532	—	9,234	9,030	—
Residential mortgage loans and equity lines	7,921	7,814	—	6,171	6,073	—
Subtotal	\$ 52,903	\$ 47,974	\$ —	\$ 41,315	\$ 35,540	\$ —
With allocated allowance						
Commercial loans	\$ 28,059	\$ 20,871	\$ 7,704	\$ 8,769	\$ 8,739	\$ 2,543
Commercial mortgage loans	31,138	31,019	582	26,117	26,040	473
Residential mortgage loans and equity lines	6,632	5,914	209	6,740	5,540	220
Subtotal	\$ 65,829	\$ 57,804	\$ 8,495	\$ 41,626	\$ 40,319	\$ 3,236
Total impaired loans	\$ 118,732	\$ 105,778	\$ 8,495	\$ 82,941	\$ 75,859	\$ 3,236

The following tables present the aging of the loan portfolio by type as of September 30, 2020, and as of December 31, 2019:

	September 30, 2020						
	30-59 Days Past Due	60-89 Days Past Due	90 Days or More Past Due	Non-accrual Loans	Total Past Due	Loans Not Past Due	Total
	(In thousands)						
Commercial loans	\$ 4,956	\$ 7,098	\$ —	\$ 29,757	\$ 41,811	\$ 2,806,189	\$ 2,848,000
Real estate construction loans	19,000	2,657	—	4,335	25,992	649,120	675,112
Commercial mortgage loans	4,275	—	2,868	33,782	40,925	7,418,391	7,459,316
Residential mortgage loans and equity lines	212	—	—	9,317	9,529	4,572,166	4,581,695
Installment and other loans	—	—	—	—	—	1,656	1,656
Total loans	\$ 28,443	\$ 9,755	\$ 2,868	\$ 77,191	\$ 118,257	\$ 15,447,522	\$ 15,565,779
	December 31, 2019						
	30-59 Days Past Due	60-89 Days Past Due	90 Days or More Past Due	Non-accrual Loans	Total Past Due	Loans Not Past Due	Total
	(In thousands)						
Commercial loans	\$ 24,681	\$ 9,954	\$ 6,409	\$ 19,381	\$ 60,425	\$ 2,718,319	\$ 2,778,744
Real estate construction loans	5,846	6,753	—	4,580	17,179	562,685	579,864
Commercial mortgage loans	7,694	2,609	—	9,928	20,231	7,255,031	7,275,262
Residential mortgage loans and equity lines	26,028	965	—	6,634	33,627	4,402,934	4,436,561
Installment and other loans	—	—	—	—	—	5,050	5,050
Total loans	\$ 64,249	\$ 20,281	\$ 6,409	\$ 40,523	\$ 131,462	\$ 14,944,019	\$ 15,075,481

The determination of the amount of the allowance for loan losses for impaired loans is based on management's current judgment about the credit quality of the loan portfolio and takes into consideration known relevant internal and external factors that affect collectability when determining the appropriate level for the allowance for loan losses. The nature of the process by which the Bank determines the appropriate allowance for loan losses requires the exercise of considerable judgment. This allowance evaluation process is also applied to TDRs since they are considered to be impaired loans. The allowance for loan losses and the reserve for off-balance sheet credit commitments are significant estimates that can and do change based on management's process in analyzing the loan portfolio and on management's assumptions about specific borrowers, underlying collateral, and applicable economic, market and environmental conditions, among other factors. Although the Company took steps to incorporate the impact of the COVID-19 pandemic on the economic conditions and other factors (such as the severity and length of the COVID-19 pandemic and its impacts) utilized to determine the allowance for loan losses, if the economic conditions or other factors worsen relative to the assumptions the Company utilized, the allowance for loan losses will increase accordingly in future periods.

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A TDR is a formal modification of the terms of a loan when the lender, for economic or legal reasons related to the borrower's financial difficulties, grants a concession to the borrower. The concessions may be granted in various forms, including a change in the stated interest rate, a reduction in the loan balance or accrued interest, or an extension of the maturity date that causes significant delay in payment.

TDRs on accrual status are comprised of the loans that have, pursuant to the Bank's policy, performed under the restructured terms and have demonstrated sustained performance under the modified terms for six months before being returned to accrual status. The sustained performance considered by management pursuant to its policy includes the periods prior to the modification if the prior performance met or exceeded the modified terms. This would include cash paid by the borrower prior to the restructure to set up interest reserves.

As of September 30, 2020, accruing TDRs were \$28.6 million and non-accrual TDRs were \$9.9 million compared to accruing TDRs of \$35.3 million and non-accrual TDRs of \$18.0 million as of December 31, 2019. The Company allocated specific reserves of \$395 thousand to accruing TDRs and \$42 thousand to non-accrual TDRs as of September 30, 2020, and \$822 thousand to accruing TDRs and \$2.2 million to non-accrual TDRs as of December 31, 2019. The following tables set forth TDRs that were modified during the three and nine months ended September 30, 2020 and 2019, their specific reserves as of September 30, 2020 and 2019, and charge-offs for the three and nine months ended September 30, 2020 and 2019:

	Three Months Ended September 30, 2020			September 30, 2020	
	No. of Contracts	Pre-Modification Outstanding Recorded Investment	Post-Modification Outstanding Recorded Investment	Charge-offs	Specific Reserve
Commercial loans	2	\$ 2,983	\$ 2,983	\$ —	\$ 203
Total	2	\$ 2,983	\$ 2,983	\$ —	\$ 203

	Three Months Ended September 30, 2019				September 30, 2019
	No. of Contracts	Pre-Modification Outstanding Recorded Investment	Post-Modification Outstanding Recorded Investment	Charge-offs	Specific Reserve
			(In thousands)		
Commercial loans	3	\$ 7,585	\$ 6,165	\$ —	\$ 89
Total	3	\$ 7,585	\$ 6,165	\$ —	\$ 89

	Nine Months Ended September 30, 2020				September 30, 2020
	No. of Contracts	Pre-Modification Outstanding Recorded Investment	Post-Modification Outstanding Recorded Investment	Charge-offs	Specific Reserve
			(In thousands)		
Commercial loans	5	\$ 5,417	\$ 5,417	\$ —	\$ 203
Total	5	\$ 5,417	\$ 5,417	\$ —	\$ 203

	Nine Months Ended September 30, 2019				September 30, 2019
	No. of Contracts	Pre-Modification Outstanding Recorded Investment	Post-Modification Outstanding Recorded Investment	Charge-offs	Specific Reserve
			(In thousands)		
Commercial loans	23	\$ 25,937	\$ 10,814	\$ —	\$ 125
Total	23	\$ 25,937	\$ 10,814	\$ —	\$ 125

Modifications of the loan terms in the nine months ended September 30, 2020 were in the form of extensions of maturity dates, which ranged generally from three to twelve months from the modification date.

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We expect that the TDRs on accruing status as of September 30, 2020, which were all performing in accordance with their restructured terms, will continue to comply with the restructured terms because of the reduced principal or interest payments on these loans. The ongoing impact of the COVID pandemic, however, could increase the risk of such TDRs becoming non-accrual due to the borrowers' inability to continue to comply with their restructured terms. A summary of TDRs by type of concession and by type of loan, as of September 30, 2020, and December 31, 2019, is set forth in the table below:

	September 30, 2020			
	Payment Deferral	Rate Reduction	Rate Reduction and Payment Deferral	Total
	(In thousands)			
Accruing TDRs				
Commercial loans	\$ 4,406	\$ —	\$ —	\$ 4,406
Commercial mortgage loans	582	5,662	13,526	19,770
Residential mortgage loans	1,940	284	2,187	4,411
Total accruing TDRs	\$ 6,928	\$ 5,946	\$ 15,713	\$ 28,587

	September 30, 2020			
	Payment Deferral	Rate Reduction	Rate Reduction and Payment Deferral	Total
	(In thousands)			
Non-accrual TDRs				
Commercial loans	\$ 8,902	\$ —	\$ —	\$ 8,902
Residential mortgage loans	1,017	—	—	1,017
Total non-accrual TDRs	\$ 9,919	\$ —	\$ —	\$ 9,919

	December 31, 2019			
	Payment Deferral	Rate Reduction	Rate Reduction and Payment Deferral	Total
	(In thousands)			
Accruing TDRs				
Commercial loans	\$ 5,215	\$ —	\$ —	\$ 5,215
Commercial mortgage loans	615	5,748	18,779	25,142
Residential mortgage loans	2,525	311	2,143	4,979
Total accruing TDRs	\$ 8,355	\$ 6,059	\$ 20,922	\$ 35,336

	December 31, 2019			
	Payment Deferral	Rate Reduction	Rate Reduction and Payment Deferral	Total
	(In thousands)			
Non-accrual TDRs				
Commercial loans	\$ 16,692	\$ —	\$ —	\$ 16,692
Commercial mortgage loans	1,220	—	136	1,356
Total non-accrual TDRs	\$ 17,912	\$ —	\$ 136	\$ 18,048

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The activity within TDRs for the periods indicated is set forth below:

	Three Months Ended September 30,		Nine Months Ended September 30,	
	2020	2019	2020	2019
	(In thousands)			
Accruing TDRs				
Beginning balance	\$ 31,671	\$ 64,898	\$ 35,336	\$ 65,071
New restructurings	2,983	240	5,417	15,432
Restructured loans restored to accrual status	263	—	263	—
Charge-offs	—	(1,341)	—	(1,341)
Payments	(6,330)	(22,150)	(12,429)	(36,219)
Restructured loans placed on non-accrual status	—	—	—	(1,296)
Ending balance	\$ 28,587	\$ 41,647	\$ 28,587	\$ 41,647
	(In thousands)			
Non-accrual TDRs				
Beginning balance	\$ 12,670	\$ 22,457	\$ 18,048	\$ 24,189
New restructurings	—	7,345	—	10,505
Restructured loans placed on non-accrual status	—	—	—	1,296
Charge-offs	—	(2,389)	(4,970)	(3,607)
Payments	(2,488)	(7,626)	(2,896)	(12,596)
Restructured loans restored to accrual status	(263)	—	(263)	—
Ending balance	\$ 9,919	\$ 19,787	\$ 9,919	\$ 19,787

The Company considers a loan to be in payment default once it is 60 to 90 days contractually past due under the modified terms. The Company did not have any loans that were modified as a TDR during the previous twelve months and which had subsequently defaulted as of September 30, 2020.

Under the Company's internal underwriting policy, an evaluation is performed of the probability that the borrower will be in payment default on any of its debt in the foreseeable future without the modification in order to determine whether a borrower is experiencing financial difficulty.

As of September 30, 2020, there were no commitments to lend additional funds to those borrowers whose loans had been restructured, were considered impaired, or were on non-accrual status.

The CARES Act, signed into law on March 27, 2020, permits financial institutions to suspend requirements under GAAP for loan modifications to borrowers affected by COVID-19 that would otherwise be characterized as TDRs and suspend any determination related thereto if (i) the loan modification is made between March 1, 2020 and the earlier of December 31, 2020 or 60 days after the end of the coronavirus emergency declaration and (ii) the applicable loan was not more than 30 days past due as of December 31, 2019. In addition, federal bank regulatory authorities have issued guidance to encourage financial institutions to make loan modifications for borrowers affected by COVID-19 and have assured financial institutions that they will neither receive supervisory criticism for such prudent loan modifications, nor be required by examiners to automatically categorize COVID-19-related loan modifications as TDRs. The Company is applying this guidance to qualifying loan modifications.

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As part of the on-going monitoring of the credit quality of our loan portfolio, the Company utilizes a risk grading matrix to assign a risk grade to each loan. The risk rating categories can be generally described by the following grouping for non-homogeneous loans:

- **Pass/Watch** – These loans range from minimal credit risk to lower than average, but still acceptable, credit risk.
- **Special Mention** – Borrower is fundamentally sound, and loan is currently protected but adverse trends are apparent that, if not corrected, may affect ability to repay. Primary source of loan repayment remains viable but there is increasing reliance on collateral or guarantor support.
- **Substandard** – These loans are inadequately protected by current sound net worth, paying capacity, or collateral. Well-defined weaknesses exist that could jeopardize repayment of debt. Loss may not be imminent, but if weaknesses are not corrected, there is a good possibility of some loss.
- **Doubtful** – The possibility of loss is extremely high, but due to identifiable and important pending events (which may strengthen the loan), a loss classification is deferred until the situation is better defined.
- **Loss** – These loans are considered uncollectible and of such little value that to continue to carry the loan as an active asset is no longer warranted.

The following tables set forth the loan portfolio by risk rating as of September 30, 2020 and December 31, 2019:

September 30, 2020					
	Pass/Watch	Special Mention	Substandard	Doubtful	Total
(In thousands)					
Commercial loans	\$ 2,553,148	\$ 156,869	\$ 137,983	\$ —	\$ 2,848,000
Real estate construction loans	548,075	122,299	4,738	—	675,112
Commercial mortgage loans	7,215,288	114,653	129,375	—	7,459,316
Residential mortgage loans and equity lines	4,571,766	212	9,717	—	4,581,695
Installment and other loans	1,656	—	—	—	1,656
Total gross loans	\$ 14,889,933	\$ 394,033	\$ 281,813	\$ —	\$ 15,565,779

December 31, 2019					
	Pass/Watch	Special Mention	Substandard	Doubtful	Total
(In thousands)					
Commercial loans	\$ 2,528,944	\$ 166,016	\$ 83,784	\$ —	\$ 2,778,744
Real estate construction loans	461,597	113,687	4,580	—	579,864
Commercial mortgage loans	6,992,933	196,454	85,875	—	7,275,262
Residential mortgage loans and equity lines	4,427,205	914	8,442	—	4,436,561
Installment and other loans	5,050	—	—	—	5,050
Total gross loans	\$ 14,415,729	\$ 477,071	\$ 182,681	\$ —	\$ 15,075,481

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The following tables set forth the balance in the allowance for loan losses by portfolio segment and based on impairment method as of September 30, 2020 and December 31, 2019:

September 30, 2020						
Commercial Loans	Real Estate Construction Loans	Commercial Mortgage Loans	Residential Mortgage Loans and Equity Lines	Installment and Other Loans	Total	
(In thousands)						
Loans individually evaluated for impairment						
Allowance	\$ 7,704	\$ —	\$ 582	\$ 209	\$ —	\$ 8,495
Balance	\$ 34,164	\$ 4,335	\$ 53,551	\$ 13,728	\$ —	\$ 105,778
Loans collectively evaluated for impairment						
Allowance	\$ 71,690	\$ 32,712	\$ 46,083	\$ 20,150	\$ —	\$ 170,635
Balance	\$ 2,813,836	\$ 670,777	\$ 7,405,765	\$ 4,567,967	\$ 1,656	\$ 15,460,001
Total allowance	\$ 79,394	\$ 32,712	\$ 46,665	\$ 20,359	\$ —	\$ 179,130
Total balance	\$ 2,848,000	\$ 675,112	\$ 7,459,316	\$ 4,581,695	\$ 1,656	\$ 15,565,779
December 31, 2019						
Commercial Loans	Real Estate Construction Loans	Commercial Mortgage Loans	Residential Mortgage Loans and Equity Lines	Installment and Other Loans	Total	
(In thousands)						
Loans individually evaluated for impairment						
Allowance	\$ 2,543	\$ —	\$ 473	\$ 220	\$ —	\$ 3,236
Balance	\$ 24,596	\$ 4,580	\$ 35,070	\$ 11,613	\$ —	\$ 75,859
Loans collectively evaluated for impairment						
Allowance	\$ 54,478	\$ 19,474	\$ 33,129	\$ 12,888	\$ 19	\$ 119,988
Balance	\$ 2,754,148	\$ 575,284	\$ 7,240,192	\$ 4,424,948	\$ 5,050	\$ 14,999,622
Total allowance	\$ 57,021	\$ 19,474	\$ 33,602	\$ 13,108	\$ 19	\$ 123,224
Total balance	\$ 2,778,744	\$ 579,864	\$ 7,275,262	\$ 4,436,561	\$ 5,050	\$ 15,075,481

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The following tables set forth activity in the allowance for loan losses by portfolio segment for the three and nine months ended September 30, 2020, and September 30, 2019. Allocation of a portion of the allowance to one category of loans does not preclude its availability to absorb losses in other categories.

Three months ended September 30, 2020 and 2019

	Commercial Loans	Real Estate Construction Loans	Commercial Mortgage Loans	Residential Mortgage Loans and Equity Lines	Installment and Other Loans	Total
	(In thousands)					
June 30, 2020 Ending Balance	\$ 82,256	\$ 26,700	\$ 41,132	\$ 19,592	\$ —	\$ 169,680
Provision for possible credit losses	298	6,012	5,438	752	—	12,500
Charge-offs	(6,956)	—	—	—	—	(6,956)
Recoveries	3,796	—	95	15	—	3,906
Net (charge-offs)/recoveries	(3,160)	—	95	15	—	(3,050)
September 30, 2020 Ending Balance	\$ 79,394	\$ 32,712	\$ 46,665	\$ 20,359	\$ —	\$ 179,130

	Commercial Loans	Real Estate Construction Loans	Commercial Mortgage Loans	Residential Mortgage Loans and Equity Lines	Installment and Other Loans	Total
	(In thousands)					
June 30, 2019 Ending Balance	\$ 54,293	\$ 21,010	\$ 33,154	\$ 14,164	\$ 30	\$ 122,651
Provision/(reversal) for possible credit losses	7,400	(2,690)	(4,648)	(2,057)	(5)	(2,000)
Charge-offs	(3,356)	—	—	—	—	(3,356)
Recoveries	212	3,378	4,961	62	—	8,613
Net (charge-offs)/recoveries	(3,144)	3,378	4,961	62	—	5,257
September 30, 2019 Ending Balance	\$ 58,549	\$ 21,698	\$ 33,467	\$ 12,169	\$ 25	\$ 125,908

Nine months ended September 30, 2020 and 2019

	Commercial Loans	Real Estate Construction Loans	Commercial Mortgage Loans	Residential Mortgage Loans and Equity Lines	Installment and Other Loans	Total
	(In thousands)					
2020 Beginning Balance	\$ 57,021	\$ 19,474	\$ 33,602	\$ 13,108	\$ 19	\$ 123,224
Provision/(reversal) for possible credit losses	29,402	13,238	12,718	7,161	(19)	62,500
Charge-offs	(13,383)	—	—	—	—	(13,383)
Recoveries	6,354	—	345	90	—	6,789
Net (charge-offs)/recoveries	(7,029)	—	345	90	—	(6,594)
September 30, 2020 Ending Balance	\$ 79,394	\$ 32,712	\$ 46,665	\$ 20,359	\$ —	\$ 179,130
Reserve for impaired loans	\$ 7,704	\$ —	\$ 582	\$ 209	\$ —	\$ 8,495
Reserve for non-impaired loans	\$ 71,690	\$ 32,712	\$ 46,083	\$ 20,150	\$ —	\$ 170,635
Reserve for off-balance sheet credit commitments	\$ 4,297	\$ 896	\$ 172	\$ 294	\$ 4	\$ 5,663

	Commercial Loans	Real Estate Construction Loans	Commercial Mortgage Loans	Residential Mortgage Loans and Equity Lines	Installment and Other Loans	Total
	(In thousands)					
2019 Beginning Balance	\$ 54,978	\$ 19,626	\$ 33,487	\$ 14,282	\$ 18	\$ 122,391
Provision/(reversal) for possible credit losses	8,262	(2,540)	(5,234)	(2,495)	7	(2,000)
Charge-offs	(6,300)	—	—	—	—	(6,300)
Recoveries	1,609	4,612	5,214	382	—	11,817
Net (charge-offs)/recoveries	(4,691)	4,612	5,214	382	—	5,517
September 30, 2019 Ending Balance	\$ 58,549	\$ 21,698	\$ 33,467	\$ 12,169	\$ 25	\$ 125,908
Reserve for impaired loans	\$ 744	\$ —	\$ 536	\$ 221	\$ —	\$ 1,501
Reserve for non-impaired loans	\$ 57,805	\$ 21,698	\$ 32,931	\$ 11,948	\$ 25	\$ 124,407
Reserve for off-balance sheet credit commitments	\$ 2,505	\$ 1,608	\$ 121	\$ 313	\$ 3	\$ 4,550

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The ongoing COVID-19 pandemic has caused significant disruption in the United States and international economies and financial markets. Although banks have generally been permitted to continue operating, the COVID-19 pandemic has caused disruptions to our business and could cause material disruptions to our business and operations in the future. The Company has continued its efforts to support its customers affected by the pandemic and to maintain asset quality and balance sheet strength, including the following:

- The Company has provided loans through the SBA's Paycheck Protection Program, or "PPP". As of September 30, 2020, 1,437 PPP loans with a current balance of \$265.7 million have been approved by the Small Business Administration.
- The Company has outstanding modifications on approximately 95 commercial real estate loans totaling \$428.1 million as of September 30, 2020, which represented 5.7% of the Bank's commercial real estate loans and 24 commercial loans, totaling \$64.6 million, which represented 2.3% of the total commercial loans.
- As of September 30, 2020, COVID-19 modifications outstanding include 367, or \$180.6 million, in residential mortgage loans, that represented 4.3% of the total residential mortgage portfolio, and 21 HELOC loans totaling \$6.5 million, which represented 1.6% of total HELOC loans.

9. Commitments and Contingencies

From time to time, Bancorp and its subsidiaries are parties to litigation that arise in the ordinary course of business or otherwise are incidental to various aspects of its operations. Based upon information available to the Company and its review of any such litigation with counsel, management presently believes that the liability relating to such litigation, if any, would not be expected to have a material adverse impact on the Company's consolidated financial condition, results of operations or liquidity taken as a whole. The outcome of litigation and other legal and regulatory matters is inherently uncertain, however, and it is possible that one or more of the legal matters currently pending or threatened against the Company could have a material adverse effect on the Company's consolidated financial condition, results of operations or liquidity taken as a whole.

Although the Company establishes accruals for legal proceedings when information related to the loss contingencies represented by those matters indicates both that a loss is probable and that the amount of loss can be reasonably estimated, the Company does not have accruals for all legal proceedings where there is a risk of loss. In addition, amounts accrued may not represent the ultimate loss to the Company from the legal proceedings in question. Thus, ultimate losses may be higher or lower, and possibly significantly so, than the amounts accrued for legal loss contingencies.

In the normal course of business, the Company from time to time becomes a party to financial instruments with off-balance sheet risk to meet the financing needs of its customers. These financial instruments include commitments to extend credit in the form of loans, or through commercial or standby letters of credit and financial guarantees. These instruments represent varying degrees of exposure to risk in excess of the amounts included in the accompanying Condensed Consolidated Balance Sheets. The contractual or notional amount of these instruments indicates a level of activity associated with a particular class of financial instrument and is not a reflection of the level of expected losses, if any.

The Company's unfunded commitments related to investments in qualified affordable housing and alternative energy partnerships were \$117.8 million and \$114.5 million as of September 30, 2020 and December 31, 2019, respectively.

10. Leases

The Company determines if a contract arrangement is a lease at inception and primarily enters into operating lease contracts for its branch locations, office space and certain equipment. As part of its property lease agreements, the Company may seek to include options to extend or terminate at lease when it is reasonably certain that the Company will exercise those options. The Right-of-Use ("ROU") lease asset also includes any lease payments made and lease incentives. Lease expense for lease payments is recognized on a straight-line basis over the lease term. The Company does not possess any leases that have variable lease payments or residual value guarantees as of September 30, 2020.

Accounting Policy Elections - The Company has elected the package of practical expedients that permits the Company to not reassess its prior conclusions about lease identification, lease classification and initial direct costs. The Company also elected all of the new standard's available transition practical expedients, including the short-term lease recognition exemption that includes not recognizing ROU assets or lease liabilities for existing short-term leases, and the practical expedient to not separate lease and non-lease components for all of the Company's leases.

The ROU assets and lease liabilities are recognized based on the present value of the future minimum lease payments over the lease term at commencement date. The Company uses its incremental borrowing rate to determine the present value of its lease liabilities.

The following table presents the operating lease related assets and liabilities recorded on the Condensed Consolidated Balance Sheet, and the weighted-average remaining lease terms and discount rates as of September 30, 2020 and December 31, 2019:

	<u>September 30, 2020</u>		<u>December 31, 2019</u>
	(\$ In millions)		
Operating Leases:			
ROU assets	\$ 32.6	\$	34.0
Lease liabilities	\$ 35.1	\$	35.9
Weighted-average remaining lease term (in years)	4.9		5.4
Weighted-average discount rate	2.79%		3.10%

Operating lease expense was \$3.1 million and \$3.3 million for the three months ended September 30, 2020 and September 30, 2019, respectively, and includes short-term leases that were immaterial. Operating lease expense was \$8.8 million and \$10.1 million for the nine months ended September 30, 2020 and September 30, 2019, respectively, and includes short-term leases that were immaterial. Operating cash flows from operating leases were \$2.2 million and \$2.1 million for the three months ended September 30, 2020 and 2019, respectively. Operating cash flows from operating leases were \$6.8 million and \$6.2 million for the nine months ended September 30, 2020 and 2019, respectively.

The following table presents a maturity analysis of the Company's operating lease liabilities as of September 30, 2020 and December 31, 2019, respectively.

	As of September 30, 2020	
	Operating Leases	
	(In thousands)	
Remaining 2020	\$	2,392
2021		9,235
2022		8,183
2023		6,758
2024		4,570
Thereafter		6,641
Total lease payments		37,779
Less amount of payment representing interest		(2,663)
Total present value of lease payments	\$	35,116

	As of December 31, 2019	
	Operating Leases	
	(In thousands)	
2020	\$	8,764
2021		7,923
2022		6,771
2023		5,714
2024		3,852
Thereafter		6,199
Total lease payments		39,223
Less amount of payment representing interest		(3,350)
Total present value of lease payments	\$	35,873

11. Borrowed Funds

Borrowings from the Federal Home Loan Bank (“FHLB”) – There were no over-night borrowings from the FHLB as of September 30, 2020, compared to \$450 million at a weighted average rate of 1.66% as of December 31, 2019. Advances from the FHLB were \$230 million at a weighted average rate of 2.16% as of September 30, 2020 and \$220 million at a weighted average rate of 2.26% as of December 31, 2019. As of September 30, 2020, FHLB advances of \$5 million will mature in November 2020, \$80 million in May 2021, \$50 million in June 2021, \$75 million in July 2021, and \$20 million in May 2023.

Junior Subordinated Notes – The Company established three special purpose trusts in 2003 and two in 2007 for the purpose of issuing Guaranteed Preferred Beneficial Interests in their Subordinated Debentures to outside investors (“Capital Securities”). The proceeds from the issuance of the Capital Securities as well as our purchase of the common stock of the special purpose trusts were invested in Junior Subordinated Notes of the Company (“Junior Subordinated Notes”). The trusts exist for the purpose of issuing the Capital Securities and investing in Junior Subordinated Notes. Subject to some limitations, payment of distributions out of the monies held by the trusts and payments on liquidation of the trusts, or the redemption of the Capital Securities, are guaranteed by the Company to the extent the trusts have funds on hand at such time. The obligations of the Company under the guarantees and the Junior Subordinated Notes are subordinate and junior in right of payment to all indebtedness of the Company and are structurally subordinated to all liabilities and obligations of the Company’s subsidiaries. The Company has the right to defer payments of interest on the Junior Subordinated Notes at any time or from time to time for a period of up to twenty consecutive quarterly periods with respect to each deferral period. Under the terms of the Junior Subordinated Notes, the Company may not, with certain exceptions, declare or pay any dividends or distributions on its capital stock or purchase or acquire any of its capital stock if it has deferred payment of interest on any Junior Subordinated Notes.

At September 30, 2020, Junior Subordinated Notes totaled \$119.1 million with a weighted average interest rate of 2.41%, compared to \$119.1 million with a weighted average rate of 4.09% at December 31, 2019. The Junior Subordinated Notes have a stated maturity term of 30 years.

12. Income Taxes

The effective tax rate for the first nine months of 2020 was 8.6% compared to 20.3% for the first nine months of 2019. The effective tax rate includes the impact of low-income housing and alternative energy investment tax credits. Income tax expense for the first nine months of 2020 was increased by \$0.4 million related to a tax deficiency from the distribution of restricted stock units.

The Company’s tax returns are open for audit by the Internal Revenue Service back to 2016 and by the California Franchise Tax Board back to 2015. The audit by the Internal Revenue Service for 2017 was completed in July 2020 and did not have an impact on income tax expense.

It is reasonably possible that unrecognized tax benefits could change significantly over the next twelve months. The Company does not expect that any such changes would have a material impact on its annual effective tax rate.

13. Fair Value Measurements

The Company determined the fair values of our financial instruments based on the following:

- Level 1 - Quoted prices in active markets for identical assets or liabilities.
- Level 2 - Observable prices in active markets for similar assets or liabilities; prices for identical or similar assets or liabilities in markets that are not active; directly observable market inputs for substantially the full term of the asset and liability; market inputs that are not directly observable but are derived from or corroborated by observable market data.
- Level 3 – Unobservable inputs based on the Company’s own judgment about the assumptions that a market participant would use.

The Company uses the following methodologies to measure the fair value of its financial assets and liabilities on a recurring basis:

Securities Available for Sale - For certain U.S. Treasury securities, the Company measures the fair value based on quoted market prices in active exchange markets at the reporting date, a Level 1 measurement. The Company also measures securities by using quoted market prices for similar securities or dealer quotes, a Level 2 measurement. This category generally includes U.S. Government agency securities, U.S. Government sponsored entities, state and municipal securities, mortgage-backed securities (“MBS”), collateralized mortgage obligations and corporate bonds.

Equity Securities – The Company measures the fair value based on quoted market prices in active exchange markets at the reporting date, a level 1 measurement. Equity securities are comprised of mutual funds, preferred stock of government-sponsored entities and other equity securities.

Foreign Exchange Contracts - The Company measures the fair value of foreign exchange contracts based on dealer quotes, a Level 2 measurement.

Warrants - The Company measures the fair value of warrants based on unobservable inputs based on assumptions and management judgment, a Level 3 measurement.

Interest Rate Swaps - Fair value of interest rate swaps is derived from third party models with observable market data, a Level 2 measurement.

Assets measured at estimated fair value on a non-recurring basis:

Certain assets or liabilities are required to be measured at estimated fair value on a nonrecurring basis subsequent to initial recognition. Generally, these adjustments are the result of lower-of-cost-or-fair value or other impairment write-downs of individual assets. In determining the estimated fair values during the period, the Company determined that substantially all the changes in estimated fair value were due to declines in market conditions versus instrument specific credit risk. For the periods ended September 30, 2020 and December 31, 2019, there were no material adjustments to fair value for the Company’s assets and liabilities measured at fair value on a nonrecurring basis in accordance with GAAP.

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The following tables present the Company's hierarchy for its assets and liabilities measured at fair value on a recurring basis as of September 30, 2020, and December 31, 2019:

	September 30, 2020			Total Fair Value Measurements
	Fair Value Measurements Using			
	Level 1	Level 2	Level 3	
	(In thousands)			
Assets				
Securities available-for-sale				
U.S. Treasury securities	\$ 99,980	\$ —	\$ —	\$ 99,980
U.S. government agency entities	—	104,596	—	104,596
Mortgage-backed securities	—	729,244	—	729,244
Collateralized mortgage obligations	—	211	—	211
Corporate debt securities	—	146,509	—	146,509
Total securities available-for-sale	\$ 99,980	\$ 980,560	\$ —	\$ 1,080,540
Equity securities				
Mutual funds	\$ 6,430	\$ —	\$ —	\$ 6,430
Preferred stock of government sponsored entities	5,522	—	—	5,522
Other equity securities	11,012	—	—	11,012
Total equity securities	\$ 22,964	\$ —	\$ —	\$ 22,964
Warrants	\$ —	\$ —	\$ 20	\$ 20
Interest rate swaps	—	3,992	—	3,992
Foreign exchange contracts	—	3,236	—	3,236
Total assets	\$ 122,944	\$ 987,788	\$ 20	\$ 1,110,752
Liabilities				
Option contracts	\$ —	\$ 6	\$ —	\$ 6
Interest rate swaps	—	31,525	—	31,525
Foreign exchange contracts	—	1,592	—	1,592
Total liabilities	\$ —	\$ 33,123	\$ —	\$ 33,123
December 31, 2019				
	Fair Value Measurements Using			Total Fair Value Measurements
	Level 1	Level 2	Level 3	
	(In thousands)			
Assets				
Securities available-for-sale				
U.S. Treasury securities	\$ 74,936	\$ —	\$ —	\$ 74,936
U.S. government agency entities	—	90,796	—	90,796
U.S. government sponsored entities	—	224,443	—	224,443
Mortgage-backed securities	—	887,790	—	887,790
Collateralized mortgage obligations	—	552	—	552
Corporate debt securities	—	173,325	—	173,325
Total securities available-for-sale	\$ 74,936	\$ 1,376,906	\$ —	\$ 1,451,842
Equity securities				
Mutual funds	\$ 6,277	\$ —	\$ —	\$ 6,277
Preferred stock of government sponsored entities	10,529	—	—	10,529
Other equity securities	11,199	—	—	11,199
Total equity securities	\$ 28,005	\$ —	\$ —	\$ 28,005
Warrants	\$ —	\$ —	\$ 39	\$ 39
Interest rate swaps	—	2,181	—	2,181
Foreign exchange contracts	—	2,411	—	2,411
Total assets	\$ 102,941	\$ 1,381,498	\$ 39	\$ 1,484,478
Liabilities				
Option contracts	\$ —	\$ 7	\$ —	\$ 7
Interest rate swaps	—	14,229	—	14,229
Foreign exchange contracts	—	1,415	—	1,415
Total liabilities	\$ —	\$ 15,651	\$ —	\$ 15,651

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The Company measured the fair value of its warrants on a recurring basis using significant unobservable inputs. The fair value adjustment of warrants was included in other operating income in the first nine months of 2020. The significant unobservable inputs in the Black-Scholes option pricing model for the fair value of warrants are their expected life ranging from 1 to 6 years, risk-free interest rate from 0.23% to 0.66%, and stock volatility from 16.58% to 25.50%.

For financial assets measured at fair value on a nonrecurring basis that were still reflected in the Condensed Consolidated Balance Sheets as of September 30, 2020, the following tables set forth the level of valuation assumptions used to determine each adjustment, the carrying value of the related individual assets as of September 30, 2020, and December 31, 2019, and the total losses for the periods indicated:

	As of September 30, 2020				Total Losses			
	Fair Value Measurements Using			Total Fair Value Measurements	For the Three Months Ended		For the Nine Months Ended	
	Level 1	Level 2	Level 3		September 30, 2020	September 30, 2019	September 30, 2020	September 30, 2019
(In thousands)								
Assets								
Impaired loans by type:								
Commercial loans	\$ —	\$ —	\$ 13,167	\$ 13,167	\$ 6,950	\$ —	\$ 6,950	\$ —
Commercial mortgage loans	—	—	30,437	30,437	—	—	—	—
Residential mortgage loans and equity lines	—	—	5,705	5,705	—	—	—	—
Total impaired loans	—	—	49,309	49,309	6,950	—	6,950	—
Loans held-for-sale	—	—	—	—	—	120	—	120
Other real estate owned ⁽¹⁾	—	905	4,238	5,143	—	—	717	494
Investments in venture capital and private company stock	—	—	1,381	1,381	3	83	107	101
Total assets	\$ —	\$ 905	\$ 54,928	\$ 55,833	\$ 6,953	\$ 203	\$ 7,774	\$ 715

(1) Other real estate owned balance of \$4.9 million in the condensed consolidated balance sheet is net of estimated disposal costs.

	As of December 31, 2019				Total Losses/(Gains)			
	Fair Value Measurements Using			Total Fair Value Measurements	For the Twelve Months Ended			
	Level 1	Level 2	Level 3		December 31, 2019	December 31, 2018		
(In thousands)								
Assets								
Impaired loans by type:								
Commercial loans	\$ —	\$ —	\$ 6,196	\$ 6,196	\$ —	\$ —	\$ —	\$ —
Commercial mortgage loans	—	—	25,566	25,566	—	—	—	—
Residential mortgage loans and equity lines	—	—	5,320	5,320	—	—	—	—
Total impaired loans	—	—	37,082	37,082	—	—	—	—
Other real estate owned ⁽¹⁾	—	6,490	4,343	10,833	—	681	—	(619)
Investments in venture capital and private company stock	—	—	1,604	1,604	—	167	—	330
Total assets	\$ —	\$ 6,490	\$ 43,029	\$ 49,519	\$ 848	\$ —	\$ —	\$ (289)

(1) Other real estate owned balance of \$10.2 million in the Consolidated Balance Sheets is net of estimated disposal costs.

The significant unobservable (Level 3) inputs used in the fair value measurement of collateral for collateral-dependent impaired loans are primarily based on the appraised value of collateral adjusted by estimated sales cost and commissions. The Company generally obtains new appraisal reports every twelve months as appropriate. As the Company's primary objective in the event of default would be to monetize the collateral to settle the outstanding balance of the loan, less marketable collateral would receive a larger discount. In the current year, the Company used borrower specific collateral discounts with various discount levels.

The significant unobservable inputs used in the fair value measurement of other real estate owned (“OREO”) are primarily based on the appraised value of OREO adjusted by estimated sales cost and commissions. The Company applies estimated sales cost and commissions ranging from 3% to 6% of the collateral value of impaired loans, quoted price, or loan sale price of loans held for sale, and appraised value of OREO.

14. Fair Value of Financial Instruments

The Company uses the following methods and assumptions to estimate the fair value of each class of financial instruments.

Cash and Cash Equivalents - For cash and cash equivalents, the carrying amount is assumed to be a reasonable estimate of fair value, a Level 1 measurement.

Short-term Investments and interest-bearing deposits - For short-term investments and interest-bearing deposits, the carrying amount is assumed to be a reasonable estimate of fair value, a Level 1 measurement.

Securities Available for Sale - For certain U.S. Treasury securities, the Company measures the fair value based on quoted market prices in active exchange markets at the reporting date, a Level 1 measurement. The Company also measures securities by using quoted market prices for similar securities or dealer quotes, a Level 2 measurement. This category generally includes U.S. Government agency securities, U.S. Government sponsored entities, state and municipal securities, mortgage-backed securities (“MBS”), collateralized mortgage obligations and corporate bonds.

Equity Securities – The Company measures the fair value based on quoted market prices in active exchange markets at the reporting date, a level 1 measurement. Equity securities are comprised of mutual funds, preferred stock of government-sponsored entities and other equity securities.

Loans - Fair values are estimated for portfolios of loans with similar financial characteristics. Each loan category is further segmented into fixed and adjustable rate interest terms and by performing and non-performing categories. The fair values are based primarily on third-party vendor pricing to determine fair values based on the exit price notion.

The fair value of performing loans is calculated by discounting scheduled cash flows through the estimated maturity using estimated market discount rates that reflect the credit and interest rate risk inherent in the loan, a Level 3 measurement.

The fair value of impaired loans is calculated based on the net realizable fair value of the collateral or the observable market price of the most recent sale or quoted price from loans held for sale. The Company does not record loans at fair value on a recurring basis. Nonrecurring fair value adjustments to collateral dependent impaired loans are recorded based on the current appraised value or adjusted appraised value of the collateral, a Level 2 or Level 3 measurement.

Loans Held-for-Sale – The Company records loans held for sale at fair value based on quoted prices from third party sale analysis, existing sale agreements, or appraisal reports adjusted by sales commission assumption, a Level 3 measurement.

FHLB Stock - These securities can only be redeemed or sold at their par value and only to the respective issuing government-supported institution or to another member institution. Management considers these non-marketable equity securities to be long-term investments. Accordingly, when evaluating these securities for impairment, management considers the ultimate recoverability of the par value rather than recognizing temporary declines in value.

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Deposit Liabilities - The fair value of demand deposits, savings accounts, and certain money market deposits is assumed to be the amount payable on demand at the reporting date. The fair value of fixed-maturity certificates of deposit is estimated using the rates currently offered for deposits with similar remaining maturities, a Level 3 measurement.

Advances from FHLB - The fair value of the advances is based on quotes from the FHLB to settle the advances, a Level 2 measurement.

Short-term and Other Borrowings - This category includes borrowings from other financial institutions. The fair value of other borrowings is calculated by discounting scheduled cash flows through the estimated maturity using estimated market discount rates that reflect the credit and interest rate risk, a Level 3 measurement.

Long-term Debt - The fair value of long-term debt is estimated based on the quoted market prices or dealer quotes, a Level 2 measurement.

Currency Option and Foreign Exchange Contracts - The Company measures the fair value of currency option and foreign exchange contracts based on dealer quotes, a Level 2 measurement.

Interest Rate Swaps - Fair value of interest rate swaps is derived from third party models with observable market data, a Level 2 measurement.

Off-Balance-Sheet Financial Instruments - The fair value of commitments to extend credit, standby letters of credit, and financial guarantees written is estimated using the fees currently charged to enter into similar agreements, taking into account the remaining terms of the agreements and the present creditworthiness of the counterparties. The fair value of guarantees and letters of credit is based on fees currently charged for similar agreements or on the estimated cost to terminate them or otherwise settle the obligations with the counterparties at the reporting date. The fair value of off-balance-sheet financial instruments is based on the assumptions that a market participant would use, a Level 3 measurement.

Fair value is estimated in accordance with ASC Topic 825. Fair value estimates are made at specific points in time, based on relevant market information and information about the financial instrument. These estimates do not reflect any premium or discount that could result from offering for sale at one time the Bank's entire holdings of a particular financial instrument. Because no market exists for a significant portion of the Bank'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. Changes in assumptions could significantly affect the estimates.

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The following table sets forth the carrying and notional amounts and estimated fair value of financial instruments as of September 30, 2020 and December 31, 2019:

	September 30, 2020		December 31, 2019	
	Carrying Amount	Fair Value	Carrying Amount	Fair Value
(In thousands)				
Financial Assets				
Cash and due from banks	\$ 128,896	\$ 128,896	\$ 177,240	\$ 177,240
Short-term investments	1,305,170	1,305,170	416,538	416,538
Securities available-for-sale	1,080,540	1,080,540	1,451,842	1,451,842
Loans, net	15,382,439	16,030,529	14,951,631	15,444,752
Equity securities	22,964	22,964	28,005	28,005
Investment in Federal Home Loan Bank stock	17,250	17,250	18,090	18,090
Warrants	20	20	39	39
	Notional Amount	Fair Value	Notional Amount	Fair Value
Foreign exchange contracts	\$ 107,071	\$ 3,236	\$ 146,397	\$ 2,411
Interest rate swaps	72,717	3,992	130,401	2,181
	Carrying Amount	Fair Value	Carrying Amount	Fair Value
Financial Liabilities				
Deposits	\$ 16,034,248	\$ 16,061,257	\$ 14,692,308	\$ 14,719,452
Short-term borrowings	—	—	25,683	25,683
Advances from Federal Home Loan Bank	230,000	238,509	670,000	674,530
Other borrowings	23,788	19,550	36,666	30,764
Long-term debt	119,136	64,296	119,136	76,058
	Notional Amount	Fair Value	Notional Amount	Fair Value
Option contracts	\$ 850	\$ 6	\$ 908	\$ 7
Foreign exchange contracts	160,489	1,592	127,003	1,415
Interest rate swaps	686,785	31,525	602,291	14,229
	Notional Amount	Fair Value	Notional Amount	Fair Value
Off-Balance Sheet Financial Instruments				
Commitments to extend credit	\$ 3,033,685	\$ (8,847)	\$ 3,077,081	\$ (9,826)
Standby letters of credit	255,173	(1,647)	282,352	(2,431)
Other letters of credit	24,591	(21)	22,209	(20)
Bill of lading guarantees	221	—	319	(1)

The following tables set forth the level in the fair value hierarchy for the estimated fair values of financial instruments as of September 30, 2020 and December 31, 2019.

	As of September 30, 2020			
	Estimated Fair Value Measurements	Level 1	Level 2	Level 3
	(In thousands)			
Financial Assets				
Cash and due from banks	\$ 128,896	\$ 128,896	\$ —	\$ —
Short-term investments	1,305,170	1,305,170	—	—
Securities available-for-sale	1,080,540	99,980	980,560	—
Loans, net	16,030,529	—	—	16,030,529
Equity securities	22,964	22,964	—	—
Investment in Federal Home Loan Bank stock	17,250	—	17,250	—
Warrants	20	—	—	20
Financial Liabilities				
Deposits	16,061,257	—	—	16,061,257
Advances from Federal Home Loan Bank	238,509	—	238,509	—
Other borrowings	19,550	—	—	19,550
Long-term debt	64,296	—	64,296	—

	As of December 31, 2019			
	Estimated Fair Value Measurements	Level 1	Level 2	Level 3
	(In thousands)			
Financial Assets				
Cash and due from banks	\$ 177,240	\$ 177,240	\$ —	\$ —
Short-term investments	416,538	416,538	—	—
Securities available-for-sale	1,451,842	74,936	1,376,906	—
Loans, net	15,444,752	—	—	15,444,752
Equity securities	28,005	28,005	—	—
Investment in Federal Home Loan Bank stock	18,090	—	18,090	—
Warrants	39	—	—	39
Financial Liabilities				
Deposits	14,719,452	—	—	14,719,452
Short-term borrowings	25,683	—	—	25,683
Advances from Federal Home Loan Bank	674,530	—	674,530	—
Other borrowings	30,764	—	—	30,764
Long-term debt	76,058	—	76,058	—

15. Goodwill and Goodwill Impairment

The Company's policy is to assess goodwill for impairment at the reporting unit level on an annual basis or between annual assessments if a triggering event occurs or circumstances change that would more likely than not reduce the fair value of a reporting unit below its carrying amount. Impairment is the condition that exists when the carrying amount of goodwill exceeds its implied fair value.

During the third quarter of 2020, the Company assessed its goodwill for impairment. The Company performed an assessment of the criteria included in ASC 350 and, based on such assessment, the Company concluded that the goodwill of the Company's two reporting units is not impaired.

16. Financial Derivatives

It is our policy not to speculate on the future direction of interest rates. However, from time to time, we may enter into financial derivatives in order to seek mitigation of exposure to interest rate risks related to our interest-earning assets and interest-bearing liabilities. We believe that these transactions, when properly structured and managed, may provide a hedge against inherent interest rate risk in our assets or liabilities and against risk in specific transactions. In such instances, we may enter into interest rate swap contracts or other types of financial derivatives. Prior to considering any hedging activities, we seek to analyze the costs and benefits of the hedge in comparison to other viable alternative strategies. All hedges must be approved by the Bank's Investment Committee.

The Company follows ASC Topic 815 that establishes accounting and reporting standards for financial derivatives, including certain financial derivatives embedded in other contracts, and hedging activities. It requires the recognition of all financial derivatives as assets or liabilities in the Company's Condensed Consolidated Balance Sheets and measurement of those financial derivatives at fair value. The accounting treatment of changes in fair value is dependent upon whether or not a financial derivative is designated as a hedge and, if so, the type of hedge. Fair value is determined using third-party models with observable market data. For derivatives designated as cash flow hedges, changes in fair value are recognized in other comprehensive income and are reclassified to earnings when the hedged transaction is reflected in earnings. For derivatives designated as fair value hedges, changes in the fair value of the derivatives are reflected in current earnings, together with changes in the fair value of the related hedged item if there is a highly effective correlation between changes in the fair value of the interest rate swaps and changes in the fair value of the underlying asset or liability that is intended to be hedged. If there is not a highly effective correlation between changes in the fair value of the interest rate swap and changes in the fair value of the underlying asset or liability that is intended to be hedged, then only the changes in the fair value of the interest rate swaps are reflected in the Company's Consolidated Financial Statements.

The Company offers various interest rate derivative contracts to its customers. When derivative transactions are executed with its customers, the derivative contracts are offset by paired trades with third-party financial institutions including with central counterparties ("CCP"). Certain derivative contracts entered with CCPs are settled-to-market daily to the extent the CCP's rulebooks legally characterize the variation margin as settlement. Derivative contracts are intended to allow borrowers to lock in attractive intermediate and long-term fixed rate financing while not increasing the interest rate risk to the Company. These transactions are generally not linked to specific Company assets or liabilities on the Condensed Consolidated Balance Sheets or to forecasted transactions in a hedging relationship and, therefore, are economic hedges. The contracts are marked to market at each reporting period. The changes in fair values of the derivative contracts traded with third-party financial institutions are expected to be largely comparable to the changes in fair values of the derivative transactions executed with customers throughout the terms of these contracts, except for the credit valuation adjustment component. The Company records credit valuation adjustments on derivatives to properly reflect the variances of credit worthiness between the Company and the counterparties, considering the effects of enforceable master netting agreements and collateral arrangements.

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In May 2014, the Bancorp entered into interest rate swap contracts in the notional amount of \$119.1 million for a period of ten years. The objective of these interest rate swap contracts, which were designated as hedging instruments in cash flow hedges, was to hedge the quarterly interest payments on the Bancorp's \$119.1 million of Junior Subordinated Debentures that had been issued to five trusts, throughout the ten-year period beginning in June 2014 and ending in June 2024, from the risk of variability of these payments resulting from changes in the three-month LIBOR interest rate. As of September 30, 2020, and 2019, the ineffective portion of these interest rate swaps was not significant. The notional amount and net unrealized loss of the Company's cash flow derivative financial instruments as of September 30, 2020, and December 31, 2019, were as follows:

	September 30, 2020		December 31, 2019	
Cash flow swap hedges:	(\$ in thousands)			
Notional	\$	119,136	\$	119,136
Weighted average fixed rate-pay		2.61%		2.61%
Weighted average variable rate-receive		0.51%		2.26%
Unrealized loss, net of taxes (1)	\$	(7,393)	\$	(3,412)
		Three months ended		Nine months ended
		September 30,	September 30,	September 30,
		2020	2019	2020
		2020	2019	2019
Periodic net settlement of swaps (2)	\$	702	\$	78
			\$	1,471
			\$	41

(1)-Included in other comprehensive income.

(2)-the amount of periodic net settlement of interest rate swaps was included in interest expense.

As of September 30, 2020, the Bank's outstanding interest rate swap contracts had a notional amount of \$494.9 million for various terms from three to ten years. The Bank entered into these interest rate swap contracts that are matched to individual fixed-rate commercial real estate loans in the Bank's loan portfolio. These contracts have been designated as hedging instruments to hedge the risk of changes in the fair value of the underlying commercial real estate loans due to changes in interest rates. The swap contracts are structured so that the notional amounts reduce over time to match the contractual amortization of the underlying loan and allow prepayments with the same pre-payment penalty amounts as the related loan. As of September 30, 2020, and 2019, the ineffective portion of these interest rate swaps was not significant. The notional amount and net unrealized loss of the Company's fair value derivative financial instruments as of September 30, 2020, and December 31, 2019, were as follows:

	September 30, 2020		December 31, 2019	
Fair value swap hedges:	(\$ in thousands)			
Notional	\$	494,932	\$	579,584
Weighted average fixed rate-pay		4.57%		4.71%
Weighted average variable rate spread		1.90%		2.62%
Weighted average variable rate-receive		3.27%		4.87%
Net unrealized loss (1)	\$	(17,037)	\$	(7,205)
		Three months ended		Nine months ended
		September 30, 2020	September 30, 2019	September 30, 2020
		September 30, 2020	September 30, 2019	September 30, 2019
Periodic net settlement of SWAPs (2)	\$	(2,510)	\$	205
			\$	(5,307)
			\$	1,352

(1)-the amount is included in other non-interest income.

(2)-the amount of periodic net settlement of interest rate swaps was included in interest income.

The Company has designated as a partial-term hedging election \$25.0 million of a pool of loans with a notational value of \$44.7 million as of September 30, 2020. The loans are not expected to be affected by prepayment, defaults, or other factors affecting the timing and amount of cash flows under the last-of-layer method. The Company has entered into a pay-fixed and receive 1-Month LIBOR interest rate swap to convert the last-of-layer \$25.0 million portion of a \$44.7 million fixed rate loan tranche in order to reduce the Company's exposure to higher interest rates for the last-of-layer tranche. As of September 30, 2020, the last-of-layer loan tranche had a fair value basis adjustment of \$397 thousand. The interest rate swap converts this last-of-layer tranche into a floating rate instrument. The Company's risk management objective with respect to this last-of-layer interest rate swap is to reduce interest rate exposure as to the last-of-layer tranche.

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Interest rate swap contracts involve the risk of dealing with institutional derivative counterparties and their ability to meet contractual terms. Institutional counterparties must have a strong credit profile and be approved by the Company's Board of Directors. The Company's credit exposure on interest rate swaps is limited to the net favorable value and interest payments of all swaps by each counterparty. Credit exposure may be reduced by the amount of collateral pledged by the counterparty. The Bancorp's interest rate swaps have been assigned by the counterparties to a derivative clearing organization and daily margin is indirectly maintained with the derivative clearing organization. Cash posted as collateral by the Bancorp related to derivative contracts totaled \$13.2 million as of September 30, 2020 and \$7.1 million as of December 31, 2019.

The Company from time to time enters into foreign exchange forward contracts with various counterparties to mitigate the risk of fluctuations in foreign currency exchange rates for foreign exchange certificates of deposit or foreign exchange contracts entered into with our clients. These contracts are not designated as hedging instruments and are recorded at fair value in our Condensed Consolidated Balance Sheets. Changes in the fair value of these contracts as well as the related foreign exchange certificates of deposit and foreign exchange contracts are recognized immediately in net income as a component of non-interest income. Period end gross positive fair values are recorded in other assets and gross negative fair values are recorded in other liabilities. The notional amount and fair value of the Company's derivative financial instruments not designated as hedging instruments as of September 30, 2020, and December 31, 2019, were as follows:

	<u>September 30, 2020</u>	<u>December 31, 2019</u>
	(\$ in thousands)	
Derivative financial instruments not designated as hedging instruments:		
Notional amounts:		
Option contracts	\$ 850	\$ 908
Spot, forward, and swap contracts with positive fair value	\$ 107,071	\$ 146,397
Spot, forward, and swap contracts with negative fair value	\$ 160,489	\$ 127,003
Fair value:		
Option contracts	\$ (6)	\$ (7)
Spot, forward, and swap contracts with positive fair value	\$ 3,236	\$ 2,411
Spot, forward, and swap contracts with negative fair value	\$ (1,592)	\$ (1,415)

17. Balance Sheet Offsetting

Certain financial instruments, including resell and repurchase agreements, securities lending arrangements and derivatives, may be eligible for offset in the Condensed Consolidated Balance Sheets and/or subject to master netting arrangements or similar agreements. The Company's securities sold with agreements to repurchase and derivative transactions with upstream financial institution counterparties are generally executed under International Swaps and Derivative Association master agreements that include "right of set-off" provisions. In such cases, there is generally a legally enforceable right to offset recognized amounts and there may be an intention to settle such amounts on a net basis. Nonetheless, the Company does not generally offset such financial instruments for financial reporting purposes.

Financial instruments that are eligible for offset in the Condensed Consolidated Balance Sheets, as of September 30, 2020, and December 31, 2019, are set forth in the following table:

	Gross Amounts Recognized	Gross Amounts Offset in the Balance Sheet	Net Amounts Presented in the Balance Sheet	Gross Amounts Not Offset in the Balance Sheet		
				Financial Instruments	Collateral Posted	Net Amount
September 30, 2020						
				(In thousands)		
Assets:						
Derivatives	\$ 3,992	\$ —	\$ 3,992	\$ —	\$ —	\$ 3,992
Liabilities:						
Derivatives	\$ 31,525	\$ (20,247)	\$ 11,278	\$ —	\$ —	\$ 11,278
December 31, 2019						
Assets:						
Derivatives	\$ 2,181	\$ —	\$ 2,181	\$ —	\$ —	\$ 2,181
Liabilities:						
Derivatives	\$ 14,229	\$ —	\$ 14,229	\$ —	\$ (14,229)	\$ —

18. Revenue from Contracts with Customers

The following is a summary of revenue from contracts with customers that are in-scope and not in-scope under ASC 606, Revenue from Contracts with Customers:

	Three months Ended September 30,		Nine months Ended September 30,	
	2020	2019	2020	2019
	(In thousands)			
Non-interest income, in-scope:				
Fees and service charges on deposit accounts	\$ 2,018	\$ 1,892	\$ 5,945	\$ 5,940
Wealth management fees	2,628	2,049	7,974	6,258
Other service fees ⁽¹⁾	3,676	3,645	10,038	10,593
Total noninterest income	8,322	7,586	23,957	22,791
Noninterest income, not in-scope ⁽²⁾	1,655	2,802	7,412	13,312
Total noninterest income	\$ 9,977	\$ 10,388	\$ 31,369	\$ 36,103

(1) Other service fees comprise of fees related to letters of credit, wire fees, fees on foreign exchange transactions and other immaterial individual revenue streams.

(2) These amounts primarily represent revenue from contracts with customers that are out of the scope of ASC 606.

The major revenue streams by fee type that are within the scope of ASC 606 presented in the above tables are described in additional detail below:

Fees and Services Charges on Deposit Accounts

Fees and service charges on deposit accounts include charges for analysis, overdraft, cash checking, ATM, and safe deposit activities executed by our deposit clients, as well as interchange income earned through card payment networks for the acceptance of card based transactions. Fees earned from our deposit clients are governed by contracts that provide for overall custody and access to deposited funds and other related services and can be terminated at will by either party. Fees received from deposit clients for the various deposit activities are recognized as revenue by the Company once the performance obligations are met.

Wealth Management Fees

The Company employs financial consultants to provide investment planning services for customers including wealth management services, asset allocation strategies, portfolio analysis and monitoring, investment strategies, and risk management strategies. The fees the Company earns are variable and are generally received monthly by the Company. The Company recognizes revenue for the services performed at quarter end based on actual transaction details received from the broker dealer the Company engages.

Practical Expedients and Exemptions

The Company applies the practical expedient in ASC 606-10-50-14 and does not disclose the value of unsatisfied performance obligations as the Company's contracts with customers generally have a term that is less than one year, are open-ended with a cancellation period that is less than one year, or allow the Company to recognize revenue in the amount to which the Company has the right to invoice.

In addition, given the short term nature of the contracts, the Company also applies the practical expedient in ASC 606-10-32-18 and does not adjust the consideration from customers for the effects of a significant financing component, if at contract inception the period between when the entity transfers the goods or services and when the customer pays for that good or service is one year or less.

19. Stockholders' Equity

Total equity was \$2.37 billion as of September 30, 2020, an increase of \$80.4 million, from \$2.29 billion as of December 31, 2019, primarily due to net income of \$158.0 million, increases in other comprehensive income of \$4.1 million, and proceeds from dividend reinvestment of \$2.6 million, and partially offset by common stock cash dividends of \$74.0 million and repurchases of the Company's common stock of \$12.9 million.

Activity in accumulated other comprehensive income, net of tax, and reclassification out of accumulated other comprehensive income for the three months and nine months ended September 30, 2020, and September 30, 2019, was as follows:

	Three months ended September 30, 2020			Three months ended September 30, 2019		
	Pre-tax	Tax expense/ (benefit)	Net-of-tax	Pre-tax	Tax expense/ (benefit)	Net-of-tax
(In thousands)						
Beginning balance, gain/(loss), net of tax						
Securities available-for-sale			\$ 16,278			\$ 2,209
Cash flow hedge derivatives			(7,925)			(3,567)
Total			\$ 8,353			\$ (1,358)
Net unrealized (losses)/gains arising during the period						
Securities available-for-sale	\$ (3,543)	\$ (1,047)	\$ (2,496)	\$ 1,750	\$ 517	\$ 1,233
Cash flow hedge derivatives	755	223	532	(1,126)	(333)	(793)
Total	\$ (2,788)	\$ (824)	\$ (1,964)	\$ 624	\$ 184	\$ 440
Reclassification adjustment for net (gains)/losses in net income						
Securities available-for-sale	—	—	—	121	36	85
Cash flow hedge derivatives	—	—	—	—	—	—
Total	—	—	—	121	36	85
Total other comprehensive (loss)/income						
Securities available-for-sale	\$ (3,543)	\$ (1,047)	\$ (2,496)	\$ 1,871	\$ 553	\$ 1,318
Cash flow hedge derivatives	755	223	532	(1,126)	(333)	(793)
Total	\$ (2,788)	\$ (824)	\$ (1,964)	\$ 745	\$ 220	\$ 525
Ending balance, gain/(loss), net of tax						
Securities available-for-sale			\$ 13,782			\$ 3,527
Cash flow hedge derivatives			(7,393)			(4,360)
Total			\$ 6,389			\$ (833)

	Nine months ended September 30, 2020			Nine months ended September 30, 2019		
	Pre-tax	Tax expense/ (benefit)	Net-of-tax	Pre-tax	Tax expense/ (benefit)	Net-of-tax
Beginning balance, gain/(loss), net of tax	(In thousands)					
Securities available-for-sale			\$ 5,714			\$ (17,765)
Cash flow hedge derivatives			(3,412)			(241)
Total			\$ 2,302			\$ (18,006)
Net unrealized gains/(losses) arising during the period						
Securities available-for-sale	\$ 12,607	\$ 3,727	\$ 8,880	\$ 30,119	\$ 8,903	\$ 21,216
Cash flow hedge derivatives	(5,652)	(1,671)	(3,981)	(5,848)	(1,729)	(4,119)
Total	\$ 6,955	\$ 2,056	\$ 4,899	\$ 24,271	\$ 7,174	\$ 17,097
Reclassification adjustment for net (gains)/losses in net income						
Securities available-for-sale	(1,153)	(341)	(812)	108	32	76
Cash flow hedge derivatives	—	—	—	—	—	—
Total	(1,153)	(341)	(812)	108	32	76
Total other comprehensive income/(loss)						
Securities available-for-sale	\$ 11,454	\$ 3,386	\$ 8,068	\$ 30,227	\$ 8,935	\$ 21,292
Cash flow hedge derivatives	(5,652)	(1,671)	(3,981)	(5,848)	(1,729)	(4,119)
Total	\$ 5,802	\$ 1,715	\$ 4,087	\$ 24,379	\$ 7,206	\$ 17,173
Ending balance, gain/(loss), net of tax						
Securities available-for-sale			\$ 13,782			\$ 3,527
Cash flow hedge derivatives			(7,393)			(4,360)
Total			\$ 6,389			\$ (833)

20. Stock Repurchase Program

On May 7, 2019, the Board of Directors approved a stock repurchase program to buy back up to \$50.0 million of the Company's common stock. In 2019, the Company repurchased 741,934 shares for \$26.4 million, at an average cost of \$35.59 per share under the May 2019 repurchase program. The Company repurchased 400,000 shares for \$12.9 million, at an average cost of \$32.20 per share under the May 2019 repurchase program in the three months ended March 31, 2020. No shares were repurchased under the May 2019 repurchase program during the three months ended June 30, 2020 and September 30, 2020. As of September 30, 2020, the Company repurchased in the aggregate 1,141,934 shares for \$39.3 million, at an average cost of \$34.40 per share.

21. Subsequent Events

The Company has evaluated the effect of events that have occurred subsequent to September 30, 2020, through the date of issuance of the Condensed Consolidated Financial Statements, and, based on such evaluation, the Company believes that there have been no material events during such period that would require recognition in the Condensed Consolidated Financial Statements or disclosure in the Notes to the Condensed Consolidated Financial Statements.

Between October 30, 2020 and November 4, 2020, the Company repurchased 120,000 shares for \$2.9 million at an average cost of \$24.19 and \$7.8 million remain under the May 2019 stock repurchase program.

Item 2. MANAGEMENT’S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS.

The following discussion is based on the assumption that the reader has access to and has read the Company’s Annual Report on Form 10-K for the year ended December 31, 2019.

Critical Accounting Policies

The discussion and analysis of the Company’s financial condition and results of operations are based upon its unaudited Condensed Consolidated Financial Statements, which have been prepared in accordance with accounting principles generally accepted in the United States of America. The preparation of these Condensed Consolidated Financial Statements requires management to make estimates and judgments that affect the reported amounts of assets and liabilities, revenues, and expenses, and related disclosures of contingent assets and liabilities at the date of the Condensed Consolidated Financial Statements. Actual results may differ from these estimates under different assumptions or conditions.

Critical accounting policies involve significant judgments, assumptions and uncertainties and are essential to understanding the Company’s results of operations and financial condition. Management of the Company considers the following to be critical accounting policies:

Accounting for the allowance for loan losses involves significant judgments and assumptions by management, which have a material impact on, among other things, the carrying value of net loans. The judgments and assumptions used by management are based on historical experience and other factors, which are believed to be reasonable under the circumstances as described in “*Allowance for Credit Losses*” under “Management’s Discussion and Analysis of Financial Condition and Results of Operations—Critical Accounting Policies” in the Company’s Annual Report on Form 10-K for the year ended December 31, 2019.

Recent Developments: Impact of and Response to COVID-19 Pandemic

The ongoing COVID-19 pandemic has caused significant disruption in the United States and international economies and financial markets. The spread of COVID-19 in the United States has caused illness, quarantines, cancellation of events and travel, business and school shutdowns, reduction in commercial activity and financial transactions, supply chain interruptions, increased unemployment, and overall economic and financial market instability. Many states, including California, New York, Washington, Illinois, Texas, Massachusetts, Nevada and other states in which we have significant operations, have imposed restrictions on leisure, business, commercial and other activities and gatherings to seek to slow the spread of COVID-19.

The onset of the COVID-19 pandemic has significantly heightened the level of challenges, risks and uncertainties facing our Company and its operations, including the following:

- Market interest rates have declined significantly and these reductions, especially if prolonged, could adversely affect our net interest income, net interest margin and earnings.
- We anticipate a potential slowdown in demand for our products and services, including the demand for traditional loans, although we believe the decline may be partially offset due to the new volume of PPP loans under the CARES Act and other governmental programs established in response to the pandemic.
- The inability of our customers to meet their loan commitments due to job and other losses resulting from the pandemic could result in increased risk of delinquencies, defaults, foreclosures, and declining collateral values, resulting in losses to our Company.

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- The COVID-19 pandemic restrictions have created significant volatility and disruption in the financial markets, and these conditions may require us to recognize an elevated level of other than temporary impairments on investment securities in our portfolio as issues of these securities are negatively impacted by the economic slowdown. Declines in fair value of investment securities in our portfolio could also reduce the unrealized gains reported as part of our consolidated comprehensive income (loss).

Additional potential impacts arising from, and our anticipated responses to, the COVID-19 pandemic are set forth below. See also Item 1A Risk Factors.

Financial position and results of operations

Our financial position and results of operations as of and for the nine months ended September 30, 2020 have been significantly impacted by the COVID-19 pandemic. The economic environment and uncertainty related to the pandemic, higher specific reserves for impaired loans and net charge-offs of \$3.1 million during the third quarter contributed to a \$62.5 million provision for credit losses recognized during the nine months ended September 30, 2020. While we have not yet experienced significant write-offs related to the COVID-19 pandemic as of September 30, 2020, the continued uncertainty regarding the severity and duration of the pandemic and related economic effects will continue to affect our estimate of our allowance for credit losses and resulting provision for credit losses. To the extent the impact of the pandemic is prolonged and economic conditions worsen or persist longer than forecast, such estimates may be insufficient and change significantly in the future. Our interest income may also be negatively impacted in future periods as we continue to work with our affected borrowers to defer payments, interest, and fees. Additionally, net interest margin may be reduced generally as a result of the low rate environment. These uncertainties and the economic environment will continue to affect earnings, slow growth, and may result in deterioration of asset quality in our loan and investment portfolios.

The below table details our exposure to borrowers in industries generally considered to be the most impacted by the COVID-19 pandemic:

September 30, 2020		
Industry (1)	Loan Balance	Percent of Total Loan Portfolio
	<i>(\$ in millions)</i>	
Restaurants	\$ 166.1	1%
Hotels/motels	295.5	2
Retail businesses/properties	1,753.0	11
	<u>\$ 2,214.6</u>	<u>14%</u>

- (1)- Balances capture credit exposures in the business segments that manage the significant majority of industry relationships. Balances consist of commercial real estate secured loans where the collateral consist of restaurants, hotels/motels or have a retail dependency.

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While we have not experienced disproportionate impacts among our business segments as of September 30, 2020, borrowers in the industries detailed in the table above (and potentially other industries) could have greater sensitivity to the economic downturn resulting from COVID-19 with potentially longer recovery periods than other business lines.

Loan and lease modifications

We began receiving requests from our borrowers for loan and lease deferrals in March following the onset of the pandemic. Modifications include the deferral of principal payments or the deferral of principal and interest payments for terms generally 90 - 180 days. Requests are evaluated individually, and approved modifications are based on the unique circumstances of each borrower. We are committed to working with our clients to allow time to work through the challenges of this pandemic. At this time, it is uncertain what future impact loan and lease modifications related to COVID-19 difficulties will have on our financial condition, results of operations and reserve for loan and lease losses.

As of September 30, 2020, COVID-19 modifications outstanding include 367, or \$180.6 million, in residential mortgage loans, with a weighted average loan to value of 57.9% that represented 4.3% of the total residential mortgage portfolio and 24, or \$64.6 million, in commercial loan balances that represented 2.3% of total commercial loans.

The CARES Act permits financial institutions to suspend requirements under GAAP for loan modifications to borrowers affected by COVID-19 and is intended to provide interpretive guidance as to conditions that would constitute a short-term modification that would not meet the definition of a TDR. This includes the following (i) the loan modification is made between March 1, 2020 and the earlier of December 31, 2020 or 60 days after the end of the coronavirus emergency declaration and (ii) the applicable loan was not more than 30 days past due as of December 31, 2019. The Company is applying this guidance to qualifying loan modifications and anticipates that it will continue to experience an increase in short-term modifications.

The following table shows COVID-19 CRE loan and lease modifications outstanding by property type as of September 30, 2020.

Property Type	# of Loan Deferrals Approved	Balance as of September 30, 2020	Total Category Balance	Weighted Avg LTV
		(\$ in millions)		
Hotel/Motel	6	\$ 39.1	\$ 295.5	50%
Retail	23	161.0	1,753.0	52%
Residential	21	46.4	2,100.4	55%
Warehouse	3	18.0	900.0	48%
Office & Comm'l Condo	26	114.8	1,337.3	51%
Theater	—	—	25.0	—
Special Use & HK Portfolio	12	41.0	386.4	49%
Industrial and Multi-Use	3	5.0	391.8	48%
Restaurant	1	2.8	166.1	—
Other	—	—	103.8	—
Total CRE	95	\$ 428.1	\$ 7,459.3	52%

Paycheck Protection Program (PPP)

As part of the CARES Act, the Small Business Administration (SBA) has been authorized to guarantee loans under the PPP through September 30, 2020 for small businesses who meet the necessary eligibility requirements in order to keep their workers on the payroll. One of the notable features of the PPP is that borrowers are eligible for loan forgiveness if borrowers, among other conditions, maintain their staff and payroll and if loan amounts are used to cover payroll, mortgage interest, rents and utilities payments. These loans have a two to five year term and earn interest at a rate of 1%. We began accepting applications on April 3, 2020. As of September 30, 2020, we had processed 1,437 PPP loans with a current balance of \$265.7 million. PPP loans are guaranteed by the SBA and therefore we believe PPP loans generally do not represent a material credit risk.

Capital and liquidity

While we believe we have sufficient capital and do not anticipate any need for additional liquidity as of September 30, 2020, in response to the uncertainty regarding the severity and duration of the COVID-19 pandemic, we are prepared to take additional actions, as needed, to maintain strong capital levels and ensure the strength of our liquidity position. Such actions may include pledging additional collateral to increase our borrowing capacity with the FRB, if necessary. Our Board of Directors also will continue to evaluate the impacts of the COVID-19 pandemic and the appropriateness of declaring future dividends and the rate of any future dividends as well as any stock repurchases, in light of our capital and liquidity needs.

Asset impairment

At this time, as of September 30, 2020, we do not believe there exists any impairment to our goodwill and intangible assets, long-lived assets, right of use assets, or available-for-sale investment securities due to the COVID-19 pandemic. It is uncertain whether prolonged effects of the COVID-19 pandemic will result in future impairment charges related to any of the aforementioned assets. Continued and sustained declines in Bancorp's stock price and/or other credit related impacts could give rise to triggering events in the future that could result in a write-down in the value of our goodwill, which could have a material adverse impact on our results of operations.

Our processes, controls and business continuity plan

As a financial institution, we are considered an essential business and therefore continue to operate on a modified basis to comply with governmental restrictions and public health authority guidelines. The health and safety of our employees and customers is a major concern to our management. We are continuing to permit employees to work from home when feasible or, if working from one of our locations is required, to maintain appropriate social distancing and observe other health precautions. We have also taken such other actions as social distancing, restrictions on in-person meetings and conferences, Company travel restrictions and increased sanitary protocols. We believe these actions offer the best protection for our employees and customers, and enhance our ability to continue providing our banking services.

Through this time of disruption, we have remained open for business supporting our customers while implementing our business continuity plan to mitigate the risks of the spread of COVID-19 to our employees and customers. While physical access to our bank offices remains restricted, customer business is still being transacted through drive-up facilities, online, telephone or by appointment.

We believe that we are positioned to continue these business continuity measures for the foreseeable future, however, no assurances can be provided as these circumstances may change depending on the duration and severity of the pandemic.

Highlights

- The net interest margin of 3.02% during the third quarter of 2020 is unchanged from the second quarter of 2020.
- The provision for loan losses decreased to \$12.5 million for the third quarter of 2020 compared to \$25.0 million for the second quarter of 2020.

Quarterly Statement of Operations Review**Net Income**

Net income for the quarter ended September 30, 2020, was \$56.8 million, a decrease of \$16.0 million, or 22.0%, compared to net income of \$72.8 million for the same quarter a year ago. Diluted earnings per share for the quarter ended September 30, 2020 was \$0.71 compared to \$0.91 for the same quarter a year ago.

Return on average stockholders' equity was 9.53% and return on average assets was 1.18% for the quarter ended September 30, 2020, compared to a return on average stockholders' equity of 12.98% and a return on average assets of 1.65% for the same quarter a year ago.

Financial Performance

	Three months ended	
	September 30, 2020	September 30, 2019
Net income (in millions)	\$ 56.8	\$ 72.8
Basic earnings per common share	\$ 0.71	\$ 0.91
Diluted earnings per common share	\$ 0.71	\$ 0.91
Return on average assets	1.18%	1.65%
Return on average total stockholders' equity	9.53%	12.98%
Efficiency ratio	51.53%	41.67%

Net Interest Income Before Provision for Credit Losses

Net interest income before provision for credit losses decreased \$9.5 million, or 6.5%, to \$137.5 million during the third quarter of 2020, compared to \$147.0 million during the same quarter a year ago. The decrease was due primarily to a decrease in interest income from loans and securities.

The net interest margin was 3.02% for the third quarter of 2020 compared to 3.56% for the third quarter of 2019 and 3.02% for the second quarter of 2020.

For the third quarter of 2020, the yield on average interest-earning assets was 3.78%, the cost of funds on average interest-bearing liabilities was 1.04%, and the cost of interest-bearing deposits was 0.99%. In comparison, for the third quarter of 2019, the yield on average interest-earning assets was 4.80%, the cost of funds on average interest-bearing liabilities was 1.65%, and the cost of interest-bearing deposits was 1.60%. The decrease in the yield on average interest-earning assets resulted mainly from lower rates on loans. The net interest spread, defined as the difference between the yield on average interest-earning assets and the cost of funds on average interest-bearing liabilities, was 2.74% for the quarter ended September 30, 2020, compared to 3.15% for the same quarter a year ago.

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The following table sets forth information concerning average interest-earning assets, average interest-bearing liabilities, and the average yields and rates paid on those assets and liabilities for the three months ended September 30, 2020, and 2019. Average outstanding amounts included in the table are daily averages.

Interest-Earning Assets and Interest-Bearing Liabilities						
Three months ended September 30,						
2020			2019			
Average Balance	Interest Income/ Expense	Average Yield/ Rate (1)(2)	Average Balance	Interest Income/ Expense	Average Yield/ Rate (1)(2)	
(Dollars in thousands)						
Interest-earning assets:						
Total loans and leases (1)	\$ 15,592,536	\$ 167,556	4.28%	\$ 14,662,847	\$ 187,827	5.08%
Investment securities	1,145,092	4,115	1.43	1,498,569	8,687	2.30
Federal Home Loan Bank stock	17,250	216	4.99	17,250	301	6.92
Interest-bearing deposits	1,385,535	347	0.10	188,772	1,016	2.14
Total interest-earning assets	<u>18,140,413</u>	<u>172,234</u>	<u>3.78</u>	<u>16,367,438</u>	<u>197,831</u>	<u>4.80</u>
Non-interest earning assets:						
Cash and due from banks	136,671			204,974		
Other non-earning assets	1,064,371			1,037,937		
Total non-interest earning assets	1,201,042			1,242,911		
Less: Allowance for loan losses	(172,225)			(125,399)		
Deferred loan fees	(5,010)			(1,574)		
Total assets	<u>\$ 19,164,220</u>			<u>\$ 17,483,376</u>		
Interest-bearing liabilities:						
Interest-bearing demand accounts	\$ 1,695,882	\$ 724	0.17%	\$ 1,281,629	\$ 589	0.18%
Money market accounts	3,119,091	4,833	0.62	2,028,039	5,684	1.11
Savings accounts	766,521	204	0.11	726,763	354	0.19
Time deposits	7,281,403	26,247	1.43	7,623,238	40,378	2.10
Total interest-bearing deposits	<u>12,862,897</u>	<u>32,008</u>	<u>0.99</u>	<u>11,659,669</u>	<u>47,005</u>	<u>1.60</u>
Other borrowings	263,306	1,266	1.91	362,698	1,878	2.05
Long-term debt	119,136	1,456	4.86	165,023	1,948	4.68
Total interest-bearing liabilities	<u>13,245,339</u>	<u>34,730</u>	<u>1.04</u>	<u>12,187,390</u>	<u>50,831</u>	<u>1.65</u>
Non-interest bearing liabilities:						
Demand deposits	3,301,253			2,805,582		
Other liabilities	246,811			263,813		
Total equity	2,370,817			2,226,591		
Total liabilities and equity	<u>\$ 19,164,220</u>			<u>\$ 17,483,376</u>		
Net interest spread			<u>2.74%</u>			<u>3.15%</u>
Net interest income	<u>\$ 137,504</u>			<u>\$ 147,000</u>		
Net interest margin			<u>3.02%</u>			<u>3.56%</u>

(1) Yields and amounts of interest earned include loan fees. Non-accrual loans are included in the average balance.

(2) Calculated by dividing net interest income by average outstanding interest-earning assets.

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The following table summarizes the changes in interest income and interest expense attributable to changes in volume and changes in interest rates for the three months ended September 30, 2020 and 2019:

Taxable-Equivalent Net Interest Income — Changes Due to Volume and Rate(1)

	Three months ended September 30, 2020-2019		
	Increase/(Decrease) in Net Interest Income Due to:		
	Changes in Volume	Changes in Rate	Total Change
	(In thousands)		
Interest-earning assets:			
Loans and leases	\$ 11,100	\$ (31,371)	\$ (20,271)
Investment securities	(1,756)	(2,816)	(4,572)
Federal Home Loan Bank stock	—	(85)	(85)
Deposits with other banks	1,089	(1,758)	(669)
Total changes in interest income	10,433	(36,030)	(25,597)
Interest-bearing liabilities:			
Interest-bearing demand accounts	178	(42)	136
Money market accounts	2,283	(3,134)	(851)
Savings accounts	18	(168)	(150)
Time deposits	(1,748)	(12,383)	(14,131)
Other borrowed funds	(489)	(123)	(612)
Long-term debt	(562)	70	(492)
Total changes in interest expense	(320)	(15,780)	(16,100)
Changes in net interest income	\$ 10,753	\$ (20,250)	\$ (9,497)

(1) Changes in interest income and interest expense attributable to changes in both volume and rate have been allocated proportionately to changes due to volume and changes due to rate.

Provision/(reversal) for credit losses

Based on a review of the appropriateness of the allowance for loan losses at September 30, 2020, the Company recorded a provision for credit losses of \$12.5 million in third quarter of 2020 compared to a reversal for credit losses of \$2.0 million in the third quarter of 2019. The provision for credit losses is primarily a result of the economic deterioration of the global economy resulting from the COVID-19 pandemic. While we took steps to incorporate the impact of the COVID-19 pandemic on the economic forecast and other factors utilized to determine our allowance for credit losses, if the economic forecast or other factors worsen relative to the assumptions we utilized, our allowance for credit losses will increase accordingly in future periods. The following table summarizes the charge-offs and recoveries for the periods indicated:

	Three months ended September 30,		Nine months ended September 30,	
	2020	2019	2020	2019
	(In thousands)			
Charge-offs:				
Commercial loans	\$ 6,956	\$ 3,356	\$ 13,383	\$ 6,300
Total charge-offs	6,956	3,356	13,383	6,300
Recoveries:				
Commercial loans	3,796	212	6,354	1,609
Construction loans	—	3,378	—	4,612
Real estate loans (1)	110	5,023	435	5,596
Total recoveries	3,906	8,613	6,789	11,817
Net charge-offs/(recoveries)	\$ 3,050	\$ (5,257)	\$ 6,594	\$ (5,517)

(1) Real estate loans include commercial mortgage loans, residential mortgage loans, and equity lines.

Non-Interest Income

Non-interest income, which includes revenues from depository service fees, letters of credit commissions, equity securities gains (losses), wire transfer fees, and other sources of fee income, was \$10.0 million for the third quarter of 2020, a decrease of \$0.4 million, or 3.8%, compared to \$10.4 million for the third quarter of 2019. The decrease was primarily due to a \$2.0 million decrease in net gains from equity securities, and a decrease of \$0.7 million from gain on sale of loans, offset in part by a \$1.4 million increase in gain on low income housing investments, and a \$0.6 million increase in wealth management fees, when compared to the same quarter a year ago.

Non-Interest Expense

Non-interest expense increased \$10.4 million, or 15.9%, to \$76.0 million in the third quarter of 2020, compared to \$65.6 million in the same quarter a year ago. The increase was primarily due to an increase of \$9.2 million in amortization expense of investments in low-income housing and alternative energy partnerships, an increase of \$1.4 million in salaries and employee benefits and an increase of \$1.0 million in provision for unfunded commitments offset, in part, by a decrease of \$1.3 million in marketing expense, when compared to the same quarter a year ago. The efficiency ratio was 51.5% in the third quarter of 2020 compared to 41.7% for the same quarter a year ago.

Income Taxes

The effective tax rate for the third quarter of 2020 was 3.7% compared to 22.4% for the third quarter of 2019. The effective tax rate was lower in 2020 due to the impact of higher tax credits from low-income housing and alternative energy investment tax credits.

Year-to-Date Statement of Operations Review

Net income for the nine months ended September 30, 2020, was \$158.0 million, a decrease of \$53.8 million, or 25.4%, compared to net income of \$211.8 million for the same period a year ago. Diluted earnings per share was \$1.98 compared to \$2.64 per share for the same period a year ago. The net interest margin for the nine months ended September 30, 2020, was 3.12% compared to 3.61% for the same period a year ago.

Return on average stockholders' equity was 8.99% and return on average assets was 1.13% for the nine months ended September 30, 2020, compared to a return on average stockholders' equity of 12.94% and a return on average assets of 1.65% for the same period a year ago. The efficiency ratio for the nine months ended September 30, 2020, was 46.98% compared to 43.87% for the same period a year ago.

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The following table sets forth information concerning average interest-earning assets, average interest-bearing liabilities, and the average yields and rates paid on those assets and liabilities for the nine months ended September 30, 2020, and 2019. Average outstanding amounts included in the table are daily averages.

Interest-Earning Assets and Interest-Bearing Liabilities						
Nine months ended September 30,						
2020			2019			
Average Balance	Interest Income/ Expense	Average Yield/ Rate (1)(2)	Average Balance	Interest Income/ Expense	Average Yield/ Rate (1)(2)	
(Dollars in thousands)						
Interest-earning assets:						
Total loans and leases (1)	\$ 15,477,883	\$ 513,575	4.43%	\$ 14,374,397	\$ 548,395	5.10%
Investment securities	1,263,937	17,130	1.81	1,404,046	24,454	2.33
Federal Home Loan Bank stock	17,317	735	5.67	17,268	903	6.99
Interest-bearing deposits	894,302	1,538	0.23	245,971	4,289	2.33
Total interest-earning assets	17,653,439	532,978	4.03	16,041,682	578,041	4.82
Non-interest earning assets:						
Cash and due from banks	149,777			198,835		
Other non-earning assets	1,048,008			1,038,009		
Total non-interest earning assets	1,197,785			1,236,844		
Less: Allowance for loan losses	(148,437)			(123,854)		
Deferred loan fees	(1,787)			(1,476)		
Total assets	\$ 18,701,000			\$ 17,153,196		
Interest-bearing liabilities:						
Interest-bearing demand accounts	\$ 1,557,371	\$ 2,176	0.19%	\$ 1,285,180	\$ 1,773	0.18%
Money market accounts	2,772,463	16,712	0.81	1,933,898	14,754	1.02
Savings accounts	746,870	783	0.14	725,257	1,064	0.20
Time deposits	7,463,821	92,213	1.65	7,421,255	113,992	2.05
Total interest-bearing deposits	12,540,525	111,884	1.19	11,365,590	131,583	1.55
Other borrowings	355,758	4,468	1.68	392,483	6,676	2.27
Long-term debt	119,136	4,336	4.86	172,567	6,087	4.72
Total interest-bearing liabilities	13,015,419	120,688	1.24	11,930,640	144,346	1.62
Non-interest bearing liabilities:						
Demand deposits	3,089,578			2,790,367		
Other liabilities	249,954			244,568		
Total equity	2,346,049			2,187,621		
Total liabilities and equity	\$ 18,701,000			\$ 17,153,196		
Net interest spread			2.79%			3.20%
Net interest income		\$ 412,290			\$ 433,695	
Net interest margin			3.12%			3.61%

- (1) Yields and amounts of interest earned include loan fees. Non-accrual loans are included in the average balance.
(2) Calculated by dividing net interest income by average outstanding interest-earning assets.

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The following table summarizes the changes in interest income and interest expense attributable to changes in volume and changes in interest rates:

Taxable-Equivalent Net Interest Income — Changes Due to Volume and Rate⁽¹⁾			
Nine months ended September 30,			
2020-2019			
Increase/(Decrease) in			
Net Interest Income Due to:			
	<u>Changes in Volume</u>	<u>Changes in Rate</u>	<u>Total Change</u>
	(In thousands)		
Interest-earning assets:			
Loans and leases	\$ 40,381	\$ (75,201)	\$ (34,820)
Investment securities	(2,267)	(5,057)	(7,324)
Federal Home Loan Bank stock	3	(170)	(167)
Deposits with other banks	3,728	(6,479)	(2,751)
Total changes in interest income	<u>41,845</u>	<u>(86,907)</u>	<u>(45,062)</u>
Interest-bearing liabilities:			
Interest-bearing demand accounts	382	22	404
Money market accounts	5,512	(3,555)	1,957
Savings accounts	31	(312)	(281)
Time deposits	656	(22,435)	(21,779)
Other borrowed funds	(581)	(1,627)	(2,208)
Long-term debt	(1,935)	183	(1,752)
Total changes in interest expense	<u>4,065</u>	<u>(27,724)</u>	<u>(23,659)</u>
Changes in net interest income	<u>\$ 37,780</u>	<u>\$ (59,183)</u>	<u>\$ (21,403)</u>

(1) Changes in interest income and interest expense attributable to changes in both volume and rate have been allocated proportionately to changes due to volume and changes due to rate.

Non-Interest Income

Non-interest income, which includes revenues from depository service fees, letters of credit commissions, equity securities gains (losses), wire transfer fees, and other sources of fee income, was \$31.4 million for the nine months ended September 30, 2020, a decrease of \$4.7 million, or 13.0%, compared to \$36.1 million for the nine months ended September 30, 2019. The decrease was primarily due to a \$9.7 million decrease in net gains from equity securities, offset, in part, by an increase of \$2.4 million in gain on low income housing investments, and increase of \$1.1 million from the gain on sale of mortgage backed securities and an increase of \$1.7 million from wealth management fees when compared to the same period a year ago.

Non-Interest Expense

Non-interest expense increased \$2.3 million, or 1.1%, to \$208.4 million for the nine months ended September 30, 2020, compared to \$206.1 million for the same period a year ago. The increase was primarily due to an increase of \$16.1 million in amortization expense of investments in low-income housing and alternative energy partnerships, offset, in part, by a \$4.7 million decrease in salaries and employee benefits resulting from lower bonus accruals and an increase in salaries capitalized for loan originations, a decrease of \$4.1 million in other real estate owned expense, a decrease of \$1.7 million in marketing expense, a decrease of \$1.6 million in professional services expense, and a decrease of \$1.2 million in occupancy expense, when compared to the same period a year ago.

Income Taxes

The effective tax rate for the nine months ended September 30, 2020 was 8.6% compared to 20.3% for the nine months ended September 30, 2019. The effective tax rate was lower in 2020 due to the impact of higher tax credits from low-income housing and alternative energy investment tax credits.

Balance Sheet Review

Assets

Total assets were \$19.0 billion as of September 30, 2020, an increase of \$0.9 billion, or 5.0%, from \$18.1 billion as of December 31, 2019, primarily due to an increase in short-term investments and loan growth offset in part by a decrease in investment securities.

Securities Available for Sale

Securities available-for-sale represented 5.7% of total assets as of September 30, 2020, compared to 8.0% of total assets as of December 31, 2019. Securities available-for-sale were \$1.1 billion as of September 30, 2020, compared to \$1.5 billion as of December 31, 2019.

The following tables set forth the amortized cost, gross unrealized gains, gross unrealized losses, and fair value of securities available-for-sale as of September 30, 2020, and December 31, 2019:

	September 30, 2020			
	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
	(In thousands)			
Securities Available-for-Sale				
U.S. treasury securities	\$ 99,968	\$ 12	\$ —	\$ 99,980
U.S. government agency entities	104,661	465	530	104,596
Mortgage-backed securities	709,756	20,045	557	729,244
Collateralized mortgage obligations	222	—	11	211
Corporate debt securities	146,368	288	147	146,509
Total	\$ 1,060,975	\$ 20,810	\$ 1,245	\$ 1,080,540

	December 31, 2019			
	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
	(In thousands)			
Securities Available-for-Sale				
U.S. treasury securities	\$ 74,926	\$ 10	\$ —	\$ 74,936
U.S. government agency entities	90,452	663	319	90,796
U.S. government sponsored entities	225,000	—	557	224,443
Mortgage-backed securities	880,040	8,574	824	887,790
Collateralized mortgage obligations	569	—	17	552
Corporate debt securities	172,743	605	23	173,325
Total	\$ 1,443,730	\$ 9,852	\$ 1,740	\$ 1,451,842

For additional information, see Note 7 to the Company's unaudited Condensed Consolidated Financial Statements.

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Securities available-for-sale having a carrying value of \$18.6 million as of September 30, 2020, and \$20.1 million as of December 31, 2019, were pledged to secure public deposits, other borrowings and treasury tax and loan.

Equity Securities

The Company recognized a net loss of \$1.6 million for the three months ended September 30, 2020, due to the decrease in fair value of equity investments with readily determinable fair values compared to a net gain of \$0.4 million for the three months ended September 30, 2019. The Company recognized a net loss of \$1.9 million for the nine months ended September 30, 2020, due to the decrease in fair value of equity investments with readily determinable fair values compared to a net gain of \$7.8 million for the nine months ended September 30, 2019. Equity securities were \$23.0 million and \$28.0 million as of September 30, 2020 and December 31, 2019, respectively.

Loans

Gross loans were \$15.6 billion at September 30, 2020, an increase of \$490.3 million, or 3.3%, from \$15.1 billion at December 31, 2019. The increase was primarily due to \$265.7 million in Paycheck Protection Program Loans and increases of \$184.1 million, or 2.5%, in commercial mortgage loans, \$81.3 million, or 2.0%, in residential mortgage loans, \$63.9 million, or 18.4%, in equity lines and \$95.2 million, or 16.4%, in real estate construction loans offset, in part, by a decrease of \$196.5 million, or 7.1%, in commercial loans not including Paycheck Protection Program Loans. The loan balances and composition at September 30, 2020, compared to December 31, 2019 are set forth below:

	September 30, 2020	% of Gross Loans	December 31, 2019	% of Gross Loans	% Change
	(Dollars in thousands)				
Commercial loans	\$ 2,582,272	16.6%	\$ 2,778,744	18.4%	(7.1%)
Paycheck protection program loans	265,728	1.7	—	—	100.0
Residential mortgage loans	4,169,847	26.8	4,088,586	27.1	2.0
Commercial mortgage loans	7,459,316	47.9	7,275,262	48.3	2.5
Real estate construction loans	675,112	4.3	579,864	3.9	16.4
Equity lines	411,848	2.7	347,975	2.3	18.4
Installment and other loans	1,656	0.0	5,050	0.0	(67.2)
Gross loans	<u>\$ 15,565,779</u>	100%	<u>\$ 15,075,481</u>	100%	3.3%
Allowance for loan losses	(179,130)		(123,224)		45.4
Unamortized deferred loan fees	(4,210)		(626)		572.5
Total loans, net	<u>\$ 15,382,439</u>		<u>\$ 14,951,631</u>		2.9%

Non-performing Assets

Non-performing assets include loans past due 90 days or more and still accruing interest, non-accrual loans, and other real estate owned (“OREO”). The Company’s policy is to place loans on non-accrual status if interest and/or principal is past due 90 days or more, or in cases where management deems the full collection of principal and interest unlikely. After a loan is placed on non-accrual status, any previously accrued but unpaid interest is reversed and charged against current income and subsequent payments received are generally first applied towards the outstanding principal balance of the loan. Depending on the circumstances, management may elect to continue the accrual of interest on certain past due loans if partial payment is received and/or the loan is well collateralized and in the process of collection. The loan is generally returned to accrual status when the borrower has brought the past due principal and interest payments current and, in the opinion of management, the borrower has demonstrated the ability to make future payments of principal and interest as scheduled.

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Management reviews the loan portfolio regularly to seek to identify problem loans. From time to time during the ordinary course of business, management may become aware of borrowers that may not be able to meet the contractual requirements of their loan agreements. Such loans generally are placed under closer supervision with consideration given to placing the loans on non-accrual status, the need for an additional allowance for loan losses, and (if appropriate) partial or full charge-off.

The ratio of non-performing assets to total assets was 0.4% at September 30, 2020, compared to 0.3% at December 31, 2019. Total non-performing assets increased \$27.8 million, or 48.6%, to \$85.0 million at September 30, 2020, compared to \$57.2 million at December 31, 2019, primarily due to an increase of \$36.7 million, or 90.6%, in nonaccrual loans, offset, in part, by a decrease of \$5.3 million, or 52.0%, in other real estate owned and a decrease of \$3.5 million, or 55.2%, in accruing loans past due 90 days or more.

As a percentage of gross loans plus OREO, our non-performing assets was 0.55% as of September 30, 2020, compared to 0.38% as of December 31, 2019. The non-performing loan portfolio coverage ratio, defined as the allowance for credit losses to non-performing loans, decreased to 230.8% as of September 30, 2020, from 270.8% as of December 31, 2019.

The following table sets forth the changes in non-performing assets and troubled debt restructurings (“TDRs”) as of September 30, 2020, compared to December 31, 2019, and to September 30, 2019:

	<u>September 30,</u> <u>2020</u>	<u>December 31,</u> <u>2019</u>	<u>% Change</u>	<u>September 30,</u> <u>2019</u>	<u>% Change</u>
	(Dollars in thousands)				
Non-performing assets					
Accruing loans past due 90 days or more	\$ 2,868	\$ 6,409	(55)	\$ 683	320
Non-accrual loans:					
Construction loans	4,335	4,580	(5)	4,629	(6)
Commercial mortgage loans	33,782	9,928	240	12,330	174
Commercial loans	29,757	19,381	54	22,970	30
Residential mortgage loans	9,317	6,634	40	7,271	28
Total non-accrual loans	<u>\$ 77,191</u>	<u>\$ 40,523</u>	90	<u>\$ 47,200</u>	64
Total non-performing loans	80,059	46,932	71	47,883	67
Other real estate owned	4,918	10,244	(52)	11,329	(57)
Total non-performing assets	<u>\$ 84,977</u>	<u>\$ 57,176</u>	49	<u>\$ 59,212</u>	44
Accruing troubled debt restructurings	\$ 28,587	\$ 35,336	(19)	\$ 41,647	(31)
Allowance for loan losses	\$ 179,130	\$ 123,224	45	\$ 125,908	42
Total gross loans outstanding, at period-end (1)	\$ 15,565,779	\$ 15,075,481	3	\$ 14,728,554	6
Allowance for loan losses to non-performing loans, at period-end (2)	223.75%	262.56%		262.95%	
Allowance for loan losses to gross loans, at period-end (1)	1.15%	0.82%		0.85%	

(1) Excludes loans held for sale at period-end.

(2) Excludes non-accrual loans held for sale at period-end.

Non-accrual Loans

At September 30, 2020, total non-accrual loans were \$77.2 million, an increase of \$36.7 million, or 90.6%, from \$40.5 million at December 31, 2019, and an increase of \$30.0 million, or 63.6%, from \$47.2 million at September 30, 2019. The allowance for the collateral-dependent loans is calculated based on the difference between the outstanding loan balance and the value of the collateral as determined by recent appraisals, sales contracts, or other available market price information, less cost to sell. The allowance for collateral-dependent loans varies from loan to loan based on the collateral coverage of the loan at the time of designation as non-performing. We continue to monitor the collateral coverage of these loans, based on recent appraisals, on a quarterly basis and adjust the allowance accordingly. Non-accrual loans also include those TDRs that do not qualify for accrual status.

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The following tables set forth the type of properties securing the non-accrual portfolio loans and the type of businesses the borrowers engaged in as of the dates indicated:

	September 30, 2020		December 31, 2019	
	Real Estate (1)	Commercial	Real Estate (1)	Commercial
	(In thousands)			
Type of Collateral				
Single/multi-family residence	\$ 9,851	\$ 9,290	\$ 6,874	\$ 9,475
Commercial real estate	37,583	338	14,268	1,603
Personal property (UCC)	—	20,129	—	8,303
Total	\$ 47,434	\$ 29,757	\$ 21,142	\$ 19,381

(1) Real estate includes commercial mortgage loans, real estate construction loans, residential mortgage loans and equity lines.

	September 30, 2020		December 31, 2019	
	Real Estate (1)	Commercial	Real Estate (1)	Commercial
	(In thousands)			
Type of Business				
Real estate development	\$ 13,153	\$ —	\$ 14,305	\$ —
Wholesale/Retail	25,134	8,516	637	9,684
Import/Export	—	7,306	—	4,697
Other	9,147	13,935	6,200	5,000
Total	\$ 47,434	\$ 29,757	\$ 21,142	\$ 19,381

(1) Real estate includes commercial mortgage loans, real estate construction loans, residential mortgage loans and equity lines.

Impaired Loans

We consider a loan to be impaired when it is probable that we will be unable to collect all amounts due according to the contractual terms of the loan agreement based on current circumstances and events. The assessment for impairment occurs when and while such loans are on non-accrual as a result of delinquency status of over 90 days or our receipt of information otherwise indicating that full collection of principal is doubtful, or when the loan has been restructured in a TDRs. Those loans with a balance less than our defined selection criteria, generally a loan amount less than \$500 thousand, are treated as a homogeneous portfolio. If loans meeting the defined criteria are not collateral dependent, we measure the impairment based on the present value of the expected future cash flows discounted at the loan's effective interest rate. If loans meeting the defined criteria are collateral dependent, we measure the impairment by using the loan's observable market price or the fair value of the collateral. We generally obtain an appraisal to determine the amount of impairment at the date that the loan becomes impaired. The appraisals are generally based on "as is" or bulk sale valuations. To ensure that appraised values remain current, we generally obtain an updated appraisal every twelve months from qualified independent appraisers. If the fair value of the collateral, less cost to sell, is less than the recorded amount of the loan, we then recognize impairment by creating or adjusting an existing valuation allowance with a corresponding charge to the provision for loan losses. If an impaired loan is expected to be collected through liquidation of the collateral, the amount of impairment, excluding disposal costs (which generally range between 3% to 6% of the fair value, depending on the size of the impaired loan), is charged off against the allowance for loan losses. Non-accrual impaired loans, including TDRs, are not returned to accrual status unless the unpaid interest has been brought current and full repayment of the recorded balance is expected or if the borrower has made six consecutive monthly payments of the scheduled amounts due, and TDRs are reviewed for continued impairment until they are no longer reported as TDRs.

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As of September 30, 2020, recorded investment in impaired loans totaled \$105.8 million and was comprised of non-accrual loans of \$77.2 million and accruing TDRs of \$28.6 million. As of December 31, 2019, recorded investment in impaired loans totaled \$75.9 million and was comprised of non-accrual loans of \$40.5 million and accruing TDRs of \$35.4 million. For impaired loans, the amounts previously charged off represent 6.1% as of September 30, 2020, and 2.1% as of December 31, 2019, of the contractual balances for impaired loans. As of September 30, 2020, \$47.4 million, or 61.5%, of the \$77.2 million of non-accrual loans were secured by real estate compared to \$21.1 million, or 52.2%, of the \$40.5 million of non-accrual loans that were secured by real estate as of December 31, 2019. The Bank generally seeks to obtain current appraisals, sales contracts, or other available market price information intended to provide updated factors in evaluating potential loss.

As of September 30, 2020, \$8.5 million of the \$179.1 million allowance for loan losses was allocated for impaired loans and \$170.6 million was allocated to the general allowance. As of December 31, 2019, \$3.2 million of the \$123.2 million allowance for loan losses was allocated for impaired loans and \$120.0 million was allocated to the general allowance.

The allowance for loan losses to non-performing loans was 223.8% as of September 30, 2020, compared to 262.6% as of December 31, 2019, primarily due to an increase in the non-accrual loans. Non-accrual loans also include those TDRs that do not qualify for accrual status.

The following table sets forth impaired loans and the related allowance as of the dates indicated:

	September 30, 2020			December 31, 2019		
	Unpaid Principal Balance	Recorded Investment	Allowance	Unpaid Principal Balance	Recorded Investment	Allowance
	(In thousands)					
With no allocated allowance						
Commercial loans	\$ 16,210	\$ 13,293	\$ —	\$ 20,134	\$ 15,857	\$ —
Real estate construction loans	5,776	4,335	—	5,776	4,580	—
Commercial mortgage loans	22,996	22,532	—	9,234	9,030	—
Residential mortgage loans and equity lines	7,921	7,814	—	6,171	6,073	—
Subtotal	\$ 52,903	\$ 47,974	\$ —	\$ 41,315	\$ 35,540	\$ —
With allocated allowance						
Commercial loans	\$ 28,059	\$ 20,871	\$ 7,704	\$ 8,769	\$ 8,739	\$ 2,543
Commercial mortgage loans	31,138	31,019	582	26,117	26,040	473
Residential mortgage loans and equity lines	6,632	5,914	209	6,740	5,540	220
Subtotal	\$ 65,829	\$ 57,804	\$ 8,495	\$ 41,626	\$ 40,319	\$ 3,236
Total impaired loans	\$ 118,732	\$ 105,778	\$ 8,495	\$ 82,941	\$ 75,859	\$ 3,236

Loan Interest Reserves

In accordance with customary banking practice, we originate construction loans and land development loans where interest on the loan is disbursed from pre-established interest reserves included in the total original loan commitment. Our construction loans and land development loans generally include optional renewal terms after the maturity of the initial loan term. New appraisals are obtained prior to extension or renewal of these loans in part to determine the appropriate interest reserve to be established for the new loan term. Loans with interest reserves are generally underwritten to the same criteria, including loan to value and, if applicable, pro forma debt service coverage ratios, as loans without interest reserves. Construction loans with interest reserves are monitored on a periodic basis to gauge progress towards completion. Interest reserves are frozen if it is determined that additional draws would result in a loan to value ratio that exceeds policy maximums based on collateral property type. Our policy limits in this regard are consistent with supervisory limits and range from 50% in the case of land to 85% in the case of one to four family residential construction projects.

As of September 30, 2020, construction loans of \$635.1 million were disbursed with pre-established interest reserves of \$74.4 million, compared to \$550.0 million with pre-established interest reserves of \$73.4 million at December 31, 2019. The balance for construction loans with interest reserves that have been extended was \$148.6 million with pre-established interest reserves of \$5.2 million at September 30, 2020, compared to \$129.2 million with pre-established interest reserves of \$4.7 million at December 31, 2019. Land loans of \$25.8 million were disbursed with pre-established interest reserves of \$364 thousand at September 30, 2020, compared to \$45.5 million of land loans disbursed with pre-established interest reserves of \$1.9 million at December 31, 2019. The balance for land loans with interest reserves that have been extended was \$942 thousand at September 30, 2020 with pre-established interest reserves of \$58 thousand, compared to \$1.7 million in land loans with pre-established interest reserves of \$2 thousand at December 31, 2019.

At September 30, 2020 and December 31, 2019, the Bank had no loans on non-accrual status with available interest reserves. At September 30, 2020 and December 31, 2019, \$4.3 million and \$4.6 million of non-accrual non-residential construction loans had been originated with pre-established interest reserves, respectively. While we typically expect loans with interest reserves to be repaid in full according to the original contractual terms, some loans may require one or more extensions beyond the original maturity before full repayment. Typically, these extensions are required due to construction delays, delays in the sale or lease of the property, or some combination of these two factors.

Loan Concentration

Most of the Company's business activities are with customers located in the high-density Asian-populated areas of Southern and Northern California; New York City, New York; Dallas and Houston, Texas; Seattle, Washington; Boston, Massachusetts; Chicago, Illinois; Edison, New Jersey; Rockville, Maryland; and Las Vegas, Nevada. The Company also has loan customers in Hong Kong. The Company has no specific industry concentration, and generally its loans are collateralized with real property or other pledged collateral of the borrowers. The Company generally expects loans to be paid off from the operating profits of the borrowers, refinancing by another lender, or through sale by the borrowers of the collateral. There were no loan concentrations to multiple borrowers in similar activities that exceeded 10% of total loans as of September 30, 2020, or as of December 31, 2019.

The federal banking regulatory agencies issued final guidance on December 6, 2006, regarding risk management practices for financial institutions with high or increasing concentrations of commercial real estate ("CRE") loans on their balance sheets. The regulatory guidance reiterates the need for sound internal risk management practices for those institutions that have experienced rapid growth in CRE lending, have notable exposure to specific types of CRE, or are approaching or exceeding the supervisory criteria used to evaluate the CRE concentration risk, but the guidance is not to be construed as a limit for CRE exposure. The supervisory criteria are: (1) total reported loans for construction, land development, and other land represent 100% of the institution's total risk-based capital, and (2) total CRE loans represent 300% or more of the institution's total risk-based capital and the institution's CRE loan portfolio has increased 50% or more within the last thirty-six months. Total loans for construction, land development, and other land represented 35% of the Bank's total risk-based capital as of September 30, 2020, and 34% as of December 31, 2019. Total CRE loans represented 273% of total risk-based capital as of September 30, 2020, and 277% as of December 31, 2019 and were below the Bank's internal limit for CRE loans of 400% of total capital at both dates.

Allowance for Credit Losses

The Bank maintains the allowance for credit losses at a level that the Bank considers appropriate to absorb the estimated and known risks in the loan portfolio and off-balance sheet unfunded credit commitments. Allowance for credit losses is comprised of the allowance for loan losses and the reserve for off-balance sheet unfunded credit commitments. With this risk management objective, the Bank's management has an established monitoring system that it believes is designed to identify impaired and potential problem loans, and to permit periodic evaluation of impairment and the appropriate level of the allowance for credit losses in a timely manner.

In addition, the Bank's Board of Directors has established a written credit policy that includes a credit review and control system that the Board of Directors believes should be effective in ensuring that the Bank maintains an appropriate allowance for credit losses. The Board of Directors provides oversight for the allowance evaluation process, including quarterly evaluations, and determines whether the allowance is appropriate to absorb losses in the credit portfolio. The determination of the amount of the allowance for credit losses and the provision for credit losses are based on management's current judgment about the credit quality of the loan portfolio and take into consideration known relevant internal and external factors that affect collectability when determining the appropriate level for the allowance for credit losses. The nature of the process by which the Bank determines the appropriate allowance for credit losses requires the exercise of considerable judgment. Additions to the allowance for credit losses are made by charges to the provision for credit losses. While management utilizes its business judgment based on the information available, the ultimate appropriateness of the allowance is dependent upon a variety of factors, many of which are beyond the Bank's control, including but not limited to the performance of the Bank's loan portfolio, the economy and market conditions, changes in interest rates, and the view of the regulatory authorities toward loan classifications. Identified credit exposures that are determined to be uncollectible are charged against the allowance for credit losses. Recoveries of previously charged off amounts, if any, are credited to the allowance for credit losses. A weakening of the economy or other factors that adversely affect asset quality could result in an increase in the number of delinquencies, bankruptcies, or defaults, and a higher level of non-performing assets, net charge-offs, and provision for credit losses in future periods.

The allowance for loan losses was \$179.1 million and the allowance for off-balance sheet unfunded credit commitments was \$5.7 million at September 30, 2020, which represented the amount believed by management to be appropriate to absorb credit losses inherent in the loan portfolio, including unfunded credit commitments. The \$179.1 million allowance for loan losses at September 30, 2020, increased \$55.9 million, or 45.4%, from \$123.2 million at December 31, 2019. This increase includes additional provisions for credit losses and reflects the deterioration in economic conditions related to COVID-19 and an increase in specific reserves of \$5.3 million. This deterioration is reflected in unprecedented increases in new unemployment claims in the United States and deterioration in global economic measures during this period. While we took steps to incorporate the impact of the COVID-19 pandemic on the economic forecast and other factors utilized to determine our allowance for loan losses, if the economic forecast or other factors (such as the severity and length of the COVID-19 pandemic and its impacts) worsen relative to the assumptions we utilized, our allowance for loan losses will increase accordingly in future periods. The allowance for loan losses represented 1.15% of period-end gross loans and 223.8% of non-performing loans at September 30, 2020. The comparable ratios were 0.82% of period-end gross loans and 262.6% of non-performing loans at December 31, 2019.

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The following table sets forth information relating to the allowance for loan losses, charge-offs, recoveries, and the reserve for off-balance sheet credit commitments for the periods indicated:

	Three months ended September 30,		Nine months ended September 30,	
	2020	2019	2020	2019
	(In thousands)			
Allowance for loan losses				
Balance at beginning of period	\$ 169,680	\$ 122,651	\$ 123,224	\$ 122,391
Provision/(reversal) for credit losses	12,500	(2,000)	62,500	(2,000)
Charge-offs:				
Commercial loans	(6,956)	(3,356)	(13,383)	(6,300)
Total charge-offs	(6,956)	(3,356)	(13,383)	(6,300)
Recoveries:				
Commercial loans	3,796	212	6,354	1,609
Construction loans	—	3,378	—	4,612
Real estate loans	110	5,023	435	5,596
Total recoveries	3,906	8,613	6,789	11,817
Balance at end of period	\$ 179,130	\$ 125,908	\$ 179,130	\$ 125,908
Reserve for off-balance sheet credit commitments				
Balance at beginning of period	\$ 4,663	\$ 4,550	\$ 3,855	\$ 2,250
Provision for credit losses	1,000	—	1,808	2,300
Balance at end of period	\$ 5,663	\$ 4,550	\$ 5,663	\$ 4,550
Average loans outstanding during the period (1)	\$ 15,592,536	\$ 14,654,644	\$ 15,477,883	\$ 14,371,633
Total gross loans outstanding, at period-end (1)	\$ 15,565,779	\$ 14,728,554	\$ 15,565,779	\$ 14,728,554
Total non-performing loans, at period-end (2)	\$ 80,059	\$ 47,883	\$ 80,059	\$ 47,883
Ratio of net (charge-offs)/recoveries to average loans outstanding during the period (1)	(0.08%)	0.14%	(0.06%)	0.05%
Provision for credit losses to average loans outstanding during the period (1)	0.34%	(0.05%)	0.55%	0.00%
Allowance for credit losses to non-performing loans, at period-end (2)	230.82%	272.45%	230.82%	272.45%
Allowance for credit losses to gross loans, at period-end (1)	1.19%	0.89%	1.19%	0.89%

(1) Excludes loans held for sale.

(2) Excludes non-accrual loans held for sale.

Our allowance for loan losses consists of the following:

- **Specific allowance:** For impaired loans, we provide specific allowances for loans that are not collateral dependent based on an evaluation of the present value of the expected future cash flows discounted at the loan's effective interest rate and for loans that are collateral dependent based on the fair value of the underlying collateral determined by the most recent valuation information received, which may be adjusted based on factors such as changes in market conditions from the time of valuation. If the measure of the impaired loan is less than the recorded investment in the loan, the deficiency will be charged off against the allowance for loan losses or, alternatively, a specific allocation will be established.
- **General allowance:** The unclassified portfolio is segmented on a group basis. Segmentation is determined by loan type and common risk characteristics. The non-impaired loans are grouped into 19 segments: two commercial segments, ten commercial real estate segments, one residential construction segment, one non-residential construction segment, one SBA segment, one installment loans segment, one residential mortgage segment, one equity lines of credit segment, and one overdrafts segment. The allowance is provided for each segmented group based on the group's historical loan loss experience aggregated based on loan risk classifications which take into account, among other things, the current financial condition of the borrowers and guarantors, the prevailing value of the underlying collateral if collateral dependent, charge-off history, management's knowledge of the portfolio, general economic conditions, environmental factors, trends in delinquency and non-accrual, and other significant factors, such as the national and local economy, volume and composition of the portfolio, strength of management and loan staff, underwriting standards, and concentration of credit. In addition, management reviews reports on past-due loans to check for appropriate classification.

The table set forth below reflects management's allocation of the allowance for loan losses by loan category and the ratio of each loan category to the average gross loans as of the dates indicated:

	September 30, 2020		December 31, 2019	
	Amount	Percentage of Loans in Each Category to Average Gross Loans	Amount	Percentage of Loans in Each Category to Average Gross Loans
	(In thousands)			
Type of Loan:				
Commercial loans	\$ 79,394	19.0%	\$ 57,021	18.9%
Real estate construction loans	32,712	3.9	19,474	4.0
Commercial mortgage loans	46,665	47.7	33,602	48.0
Residential mortgage loans and equity lines	20,359	29.4	13,108	29.1
Installment and other loans	—	—	19	—
Total loans	\$ 179,130	100%	\$ 123,224	100%

The allowance allocated to commercial loans increased \$22.4 million, or 39.2%, to \$79.4 million at September 30, 2020, from \$57.0 million at December 31, 2019. The increase is due primarily to an increase in the allowance due to the continued deterioration in economic conditions related to COVID-19, the impact on loss rates from charge-offs of commercial loans and increases in specific reserves on impaired loans, year to date.

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The allowance allocated to real estate construction loans increased \$13.2 million, or 68.0%, to \$32.7 million at September 30, 2020 from \$19.5 million at December 31, 2019. The increase is due primarily to continued deterioration in economic conditions, year to date, related to COVID-19 and increases in real estate construction loans.

The allowance allocated to commercial mortgage loans increased \$13.1 million, or 38.9%, to \$46.7 million at September 30, 2020, from \$33.6 million at December 31, 2019. The increase is due primarily to continued deterioration in economic conditions, year to date, related to COVID-19.

The allowance allocated for residential mortgage loans increased by \$7.3 million, or 55.3%, to \$20.4 million as of September 30, 2020, from \$13.1 million at December 31, 2019. The increase is due primarily to continued deterioration in economic conditions, year to date, related to COVID-19.

Deposits

Total deposits were \$16.0 billion at September 30, 2020, an increase of \$1.3 billion, or 8.8%, from \$14.7 billion at December 31, 2019. The increases in non-interest bearing demand deposits, NOW deposits, and money market deposits resulted from higher liquidity maintained by our depositors during these uncertain times, and improved money market deposit generation from corporate accounts. The decreases in time deposits resulted primarily from the runoff of wholesale time deposits. The following table sets forth the deposit mix as of the dates indicated:

	September 30, 2020		December 31, 2019	
	Amount	Percentage	Amount	Percentage
(Dollars in thousands)				
Deposits				
Non-interest-bearing demand deposits	\$ 3,306,421	20.6%	\$ 2,871,444	19.5%
Interest bearing demand deposits	1,767,227	11.0	1,358,152	9.2
Money market deposits	3,227,359	20.1	2,260,764	15.4
Savings deposits	784,076	4.9	758,903	5.2
Time deposits	6,949,165	43.4	7,443,045	50.7
Total deposits	\$ 16,034,248	100.0%	\$ 14,692,308	100.0%

The following table sets forth the maturity distribution of time deposits at September 30, 2020:

	At September 30, 2020		
	Time Deposits -under \$100,000	Time Deposits - \$100,000 and over	Total Time Deposits
(Dollars in thousands)			
Less than three months	\$ 352,732	\$ 1,322,805	\$ 1,675,537
Three to six months	749,486	1,889,171	2,638,657
Six to twelve months	490,537	1,825,301	2,315,838
Over one year	90,796	228,337	319,133
Total	\$ 1,683,551	\$ 5,265,614	\$ 6,949,165
Percent of total deposits	10.5%	32.8%	43.3%

Borrowings

Borrowings include federal funds purchased, funds obtained as advances from the Federal Home Loan Bank (“FHLB”) of San Francisco, and borrowings from other financial institutions.

Borrowings from the FHLB – There were no over-night borrowings from the FHLB as of September 30, 2020, compared to \$450 million at a weighted average rate of 1.66% as of December 31, 2019. Advances from the FHLB were \$230 million at a weighted average rate of 2.16% as of September 30, 2020 and \$220 million at a weighted average rate of 2.26% as of December 31, 2019. As of September 30, 2020, FHLB advances of \$5 million will mature in November 2020, \$80 million in May 2021, \$50 million in June 2021, \$75 million in July 2021, and \$20 million in May 2023.

Junior Subordinated Notes – At September 30, 2020, Junior Subordinated Notes totaled \$119.1 million with a weighted average interest rate of 2.41%, compared to \$119.1 million with a weighted average rate of 4.09% at December 31, 2019. The Junior Subordinated Notes have a stated maturity term of 30 years. The trusts are not consolidated with the Company in accordance with an accounting pronouncement that took effect in December 2003.

For additional information, see Note 11 to the Company’s unaudited Condensed Consolidated Financial Statements.

Off-Balance-Sheet Arrangements and Contractual Obligations

The following table summarizes the Company’s contractual obligations to make future payments as of September 30, 2020. Payments for deposits and borrowings do not include interest. Payments related to leases are based on actual payments specified in the underlying contracts.

	Payment Due by Period				Total
	1 year or less	More than 1 year but less than 3 years	3 years or more but less than 5 years	5 years or more	
			(In thousands)		
Contractual obligations:					
Deposits with stated maturity dates	\$ 6,630,032	\$ 318,959	\$ 162	\$ 12	\$ 6,949,165
Advances from the Federal Home Loan Bank	210,000	20,000	—	—	230,000
Other borrowings	—	—	—	23,788	23,788
Long-term debt	—	—	—	119,136	119,136
Operating leases	9,469	15,629	8,022	4,704	37,824
Total contractual obligations and other commitments	\$ 6,849,501	\$ 354,588	\$ 8,184	\$ 147,640	\$ 7,359,913

In the normal course of business, we enter into various transactions, which, in accordance with U.S. generally accepted accounting principles, are not included in our Condensed Consolidated Balance Sheets. We enter into these transactions to meet the financing needs of our customers. These transactions include commitments to extend credit and standby letters of credit, which involve, to varying degrees, elements of credit risk and interest rate risk in excess of the amounts recognized in the Condensed Consolidated Balance Sheets.

Loan Commitments - We enter into contractual commitments to extend credit, normally with fixed expiration dates or termination clauses, at specified rates and for specific purposes. Substantially all of our commitments to extend credit are contingent upon customers maintaining specific credit standards at the time of loan funding. We seek to minimize our exposure to loss under these commitments by subjecting them to credit approval and monitoring procedures. Management assesses the credit risk associated with certain commitments to extend credit in determining the level of the allowance for credit losses.

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Standby Letters of Credit - Standby letters of credit are written conditional commitments issued by us to secure the obligations of a customer to a third party. In the event the customer does not perform in accordance with the terms of an agreement with the third party, we would be required to fund the commitment. The maximum potential amount of future payments we could be required to make is represented by the contractual amount of the commitment. If the commitment is funded, we would be entitled to seek reimbursement from the customer. Our policies generally require that standby letter of credit arrangements contain security and debt covenants similar to those contained in loan agreements.

Capital Resources

Total equity was \$2.37 billion as of September 30, 2020, an increase of \$80.4 million, from \$2.29 billion as of December 31, 2019, primarily due to net income of \$158.0 million, increases in other comprehensive income of \$4.1 million, and amortization of share-based compensation of \$3.8 million, which were partially offset by common stock cash dividends of \$74.0 million and repurchases of the Company's common stock of \$12.9 million.

The following table summarizes changes in total equity for the nine months ended September 30, 2020:

	Nine months ended September 30, 2020
	(In thousands)
Net income	\$ 157,967
Proceeds from shares issued through the Dividend Reinvestment Plan	2,573
RSUs distributed	2
Shares withheld related to net share settlement of RSUs	(1,903)
Stock issued to directors	800
Purchase of treasury stock	(12,880)
Share-based compensation	3,808
Cash dividends paid to common stockholders	(74,014)
Other comprehensive income	4,087
Net increase in total equity	\$ 80,440

Capital Adequacy Review

Management seeks to maintain the Company's capital at a level sufficient to support future growth, protect depositors and stockholders, and comply with various regulatory requirements.

The following tables set forth actual and required capital ratios as of September 30, 2020 and December 31, 2019 for Bancorp and the Bank under the Basel III Capital Rules. The Basel III Capital Rules became fully phased-in on January 1, 2019. Capital levels required to be considered well capitalized are based upon prompt corrective action regulations, as amended to reflect the changes under the Basel III Capital Rules. See the 2019 Form 10-K for a more detailed discussion of the Basel III Capital Rules.

	Actual		Minimum Capital Required - Basel III		Required to be Considered Well Capitalized	
	Capital Amount	Ratio	Capital Amount	Ratio	Capital Amount	Ratio
September 30, 2020	(Dollars in thousands)					
Common Equity Tier 1 to Risk-Weighted Assets						
Cathay General Bancorp	\$ 1,970,778	13.22	\$ 1,043,776	7.00	\$ 969,221	6.50
Cathay Bank	\$ 2,034,242	13.65	\$ 1,042,861	7.00	\$ 968,371	6.50
Tier 1 Capital to Risk-Weighted Assets						
Cathay General Bancorp	\$ 1,970,778	13.22	\$ 1,267,443	8.50	\$ 1,192,887	8.00
Cathay Bank	\$ 2,034,242	13.65	\$ 1,266,331	8.50	\$ 1,191,841	8.00
Total Capital to Risk-Weighted Assets						
Cathay General Bancorp	\$ 2,271,071	15.23	\$ 1,565,664	10.50	\$ 1,491,109	10.00
Cathay Bank	\$ 2,219,035	14.89	\$ 1,564,291	10.50	\$ 1,489,801	10.00
Leverage Ratio						
Cathay General Bancorp	\$ 1,970,778	10.51	\$ 750,036	4.00	\$ 937,545	5.00
Cathay Bank	\$ 2,034,242	10.87	\$ 748,839	4.00	\$ 936,048	5.00

	Actual		Minimum Capital Required - Basel III		Required to be Considered Well Capitalized	
	Capital Amount	Ratio	Capital Amount	Ratio	Capital Amount	Ratio
December 31, 2019	(Dollars in thousands)					
Common Equity Tier 1 to Risk-Weighted Assets						
Cathay General Bancorp	\$ 1,892,321	12.51	\$ 1,059,259	7.00	\$ 983,597	6.50
Cathay Bank	\$ 1,959,832	12.97	\$ 1,057,880	7.00	\$ 982,318	6.50
Tier 1 Capital to Risk-Weighted Assets						
Cathay General Bancorp	\$ 1,892,321	12.51	\$ 1,286,243	8.50	\$ 1,210,581	8.00
Cathay Bank	\$ 1,959,832	12.97	\$ 1,284,569	8.50	\$ 1,209,006	8.00
Total Capital to Risk-Weighted Assets						
Cathay General Bancorp	\$ 2,134,900	14.11	\$ 1,588,888	10.50	\$ 1,513,227	10.00
Cathay Bank	\$ 2,086,911	13.81	\$ 1,586,821	10.50	\$ 1,511,258	10.00
Leverage Ratio						
Cathay General Bancorp	\$ 1,892,321	10.83	\$ 699,173	4.00	\$ 873,966	5.00
Cathay Bank	\$ 1,959,832	11.23	\$ 697,976	4.00	\$ 872,470	5.00

As of September 30, 2020, capital levels at Bancorp and the Bank exceed all capital adequacy requirements under the fully phased-in Basel III Capital Rules. Based on the ratios presented above, capital levels as of September 30, 2020 at Bancorp and the Bank exceed the minimum levels necessary to be considered “well capitalized.”

Dividend Policy

Holders of common stock are entitled to dividends as and when declared by our Board of Directors out of funds legally available for the payment of dividends. Although we have historically paid cash dividends on our common stock, we are not required to do so. The amount of future dividends, if any, will depend on our earnings, financial condition, capital requirements and other factors, and will be determined by our Board of Directors. The terms of our Junior Subordinated Notes also limit our ability to pay dividends. We increased the common stock dividend from \$0.21 per share in the fourth quarter of 2016, to \$0.24 per share in the fourth quarter of 2017, and to \$0.31 per share in the fourth quarter of 2018.

The Company declared a cash dividend of \$0.31 per share on 79,620,510 shares outstanding on September 1, 2020, for distribution to holders of our common stock on September 11, 2020, \$0.31 per share on 79,587,596 shares outstanding on June 2, 2020, for distribution to holders of our common stock on June 12, 2020, and \$0.31 per share on 79,546,735 shares outstanding on March 2, 2020, for distribution to holders of our common stock on March 12, 2020. The Company paid total cash dividends of \$74.0 million in the first nine months of 2020.

Financial Derivatives

It is our policy not to speculate on the future direction of interest rates. However, from time to time, we may enter into financial derivatives in order to seek mitigation of exposure to interest rate risks related to our interest-earning assets and interest-bearing liabilities. We believe that these transactions, when properly structured and managed, may provide a hedge against inherent interest rate risk in our assets or liabilities and against risk in specific transactions. In such instances, we may enter into interest rate swap contracts or other types of financial derivatives. Prior to considering any hedging activities, we seek to analyze the costs and benefits of the hedge in comparison to other viable alternative strategies. All hedges must be approved by the Bank's Investment Committee.

The Company follows ASC Topic 815 that establishes accounting and reporting standards for financial derivatives, including certain financial derivatives embedded in other contracts, and hedging activities. It requires the recognition of all financial derivatives as assets or liabilities in the Company's Condensed Consolidated Balance Sheets and measurement of those financial derivatives at fair value. The accounting treatment of changes in fair value is dependent upon whether or not a financial derivative is designated as a hedge and, if so, the type of hedge. Fair value is determined using third-party models with observable market data. For derivatives designated as cash flow hedges, changes in fair value are recognized in other comprehensive income and are reclassified to earnings when the hedged transaction is reflected in earnings. For derivatives designated as fair value hedges, changes in the fair value of the derivatives are reflected in current earnings, together with changes in the fair value of the related hedged item if there is a highly effective correlation between changes in the fair value of the interest rate swaps and changes in the fair value of the underlying asset or liability that is intended to be hedged. If there is not a highly effective correlation between changes in the fair value of the interest rate swap and changes in the fair value of the underlying asset or liability that is intended to be hedged, then only the changes in the fair value of the interest rate swaps are reflected in the Company's Consolidated Financial Statements.

The Company offers various interest rate derivative contracts to its customers. When derivative transactions are executed with its customers, the derivative contracts are offset by paired trades with third-party financial institutions including with central counterparties ("CCP"). Certain derivative contracts entered with CCPs are settled-to-market daily to the extent the CCP's rulebooks legally characterize the variation margin as settlement. Derivative contracts are intended to allow borrowers to lock in attractive intermediate and long-term fixed rate financing while not increasing the interest rate risk to the Company. These transactions are generally not linked to specific Company assets or liabilities on the Condensed Consolidated Balance Sheets or to forecasted transactions in a hedging relationship and, therefore, are economic hedges. The contracts are marked to market at each reporting period. The changes in fair values of the derivative contracts traded with third-party financial institutions are expected to be largely comparable to the changes in fair values of the derivative transactions executed with customers throughout the terms of these contracts, except for the credit valuation adjustment component. The Company records credit valuation adjustments on derivatives to properly reflect the variances of credit worthiness between the Company and the counterparties, considering the effects of enforceable master netting agreements and collateral arrangements.

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In May 2014, the Bancorp entered into interest rate swap contracts in the notional amount of \$119.1 million for a period of ten years. The objective of these interest rate swap contracts, which were designated as hedging instruments in cash flow hedges, was to hedge the quarterly interest payments on the Bancorp's \$119.1 million of Junior Subordinated Debentures that had been issued to five trusts, throughout the ten-year period beginning in June 2014 and ending in June 2024, from the risk of variability of these payments resulting from changes in the three-month LIBOR interest rate. As of September 30, 2020, and 2019, the ineffective portion of these interest rate swaps was not significant. The notional amount and net unrealized loss of the Company's cash flow derivative financial instruments as of September 30, 2020, and December 31, 2019, were as follows:

	<u>September 30, 2020</u>		<u>December 31, 2019</u>	
	(\$ in thousands)			
Cash flow swap hedges:				
Notional	\$	119,136	\$	119,136
Weighted average fixed rate-pay		2.61%		2.61%
Weighted average variable rate-receive		0.51%		2.26%
Unrealized loss, net of taxes (1)	\$	(7,393)	\$	(3,412)

	<u>Three months ended</u>		<u>Nine months ended</u>	
	<u>September 30,</u>	<u>September 30,</u>	<u>September 30,</u>	<u>September 30,</u>
	<u>2020</u>	<u>2019</u>	<u>2020</u>	<u>2019</u>
Periodic net settlement of swaps (2)	\$	702	\$	78
			\$	1,471
			\$	41

(1)- Included in other comprehensive income.

(2)- the amount of periodic net settlement of interest rate swaps was included in interest expense.

As of September 30, 2020, the Bank's outstanding interest rate swap contracts had a notional amount of \$494.9 million for various terms from three to ten years. The Bank entered into these interest rate swap contracts that are matched to individual fixed-rate commercial real estate loans in the Bank's loan portfolio. These contracts have been designated as hedging instruments to hedge the risk of changes in the fair value of the underlying commercial real estate loans due to changes in interest rates. The swap contracts are structured so that the notional amounts reduce over time to match the contractual amortization of the underlying loan and allow prepayments with the same pre-payment penalty amounts as the related loan. As of September 30, 2020, and 2019, the ineffective portion of these interest rate swaps was not significant. The notional amount and net unrealized loss of the Company's fair value derivative financial instruments as of September 30, 2020, and December 31, 2019, were as follows:

	<u>September 30, 2020</u>		<u>December 31, 2019</u>	
	(\$ in thousands)			
Fair value swap hedges:				
Notional	\$	494,932	\$	579,584
Weighted average fixed rate-pay		4.57%		4.71%
Weighted average variable rate spread		1.90%		2.62%
Weighted average variable rate-receive		3.27%		4.87%
Net unrealized loss (1)	\$	(17,037)	\$	(7,205)

	<u>Three months ended</u>		<u>Nine months ended</u>	
	<u>September 30,</u>	<u>September 30,</u>	<u>September 30,</u>	<u>September 30,</u>
	<u>2020</u>	<u>2019</u>	<u>2020</u>	<u>2019</u>
Periodic net settlement of SWAPs (2)	\$	(2,510)	\$	205
			\$	(5,307)
			\$	1,352

(1)- the amount is included in other non-interest income.

(2)- the amount of periodic net settlement of interest rate swaps was included in interest income.

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The Company has designated as a partial-term hedging election \$25.0 million of a pool of loans with a notational value of \$44.7 million as of September 30, 2020. The loans are not expected to be affected by prepayment, defaults, or other factors affecting the timing and amount of cash flows under the last-of-layer method. The Company has entered into a pay-fixed and receive 1-Month LIBOR interest rate swap to convert the last-of-layer \$25.0 million portion of a \$44.7 million fixed rate loan tranche in order to reduce the Company's exposure to higher interest rates for the last-of-layer tranche. As of September 30, 2020, the last-of-layer loan tranche had a fair value basis adjustment of \$397 thousand. The interest rate swap converts this last-of-layer tranche into a floating rate instrument. The Company's risk management objective with respect to this last-of-layer interest rate swap is to reduce interest rate exposure as to the last-of-layer tranche.

Interest rate swap contracts involve the risk of dealing with institutional derivative counterparties and their ability to meet contractual terms. Institutional counterparties must have a strong credit profile and be approved by the Company's Board of Directors. The Company's credit exposure on interest rate swaps is limited to the net favorable value and interest payments of all swaps by each counterparty. Credit exposure may be reduced by the amount of collateral pledged by the counterparty. The Bancorp's interest rate swaps have been assigned by the counterparties to a derivative clearing organization and daily margin is indirectly maintained with the derivative clearing organization. Cash posted as collateral by the Bancorp related to derivative contracts totaled \$13.2 million as of September 30, 2020 and \$7.1 million as of December 31, 2019.

The Company from time to time enters into foreign exchange forward contracts with various counterparties to mitigate the risk of fluctuations in foreign currency exchange rates for foreign exchange certificates of deposit or foreign exchange contracts entered into with our clients. These contracts are not designated as hedging instruments and are recorded at fair value in our Condensed Consolidated Balance Sheets. Changes in the fair value of these contracts as well as the related foreign exchange certificates of deposit and foreign exchange contracts are recognized immediately in net income as a component of non-interest income. Period end gross positive fair values are recorded in other assets and gross negative fair values are recorded in other liabilities. The notional amount and fair value of the Company's derivative financial instruments not designated as hedging instruments as of September 30, 2020, and December 31, 2019, were as follows:

	<u>September 30, 2020</u>	<u>December 31, 2019</u>
	(\$ in thousands)	
Derivative financial instruments not designated as hedging instruments:		
Notional amounts:		
Option contracts	\$ 850	\$ 908
Spot, forward, and swap contracts with positive fair value	\$ 107,071	\$ 146,397
Spot, forward, and swap contracts with negative fair value	\$ 160,489	\$ 127,003
Fair value:		
Option contracts	\$ (6)	\$ (7)
Spot, forward, and swap contracts with positive fair value	\$ 3,236	\$ 2,411
Spot, forward, and swap contracts with negative fair value	\$ (1,592)	\$ (1,415)

Liquidity

Liquidity is our ability to maintain sufficient cash flow to meet maturing financial obligations and customer credit needs, and to take advantage of investment opportunities as they are presented in the marketplace. Our principal sources of liquidity are growth in deposits, proceeds from the maturity or sale of securities and other financial instruments, repayments from securities and loans, federal funds purchased, securities sold under agreements to repurchase, and advances from the FHLB. As of September 30, 2020, our average monthly liquidity ratio (defined as net cash plus short-term and marketable securities to net deposits and short-term liabilities) was 16.0% compared to 12.9% as of December 31, 2019.

The Bank is a shareholder of the FHLB, which enables the Bank to have access to lower-cost FHLB financing when necessary. At September 30, 2020, the Bank had an approved credit line with the FHLB of San Francisco totaling \$4.8 billion. Total advances from the FHLB of San Francisco were \$230.0 million and standby letter of credits issued by the FHLB on the Company's behalf were \$529.1 million as of September 30, 2020. These borrowings bear fixed rates and are secured by the Bank's loans. See Note 11 to the Condensed Consolidated Financial Statements. At September 30, 2020, the Bank pledged \$7.5 million of its commercial loans to the Federal Reserve Bank's Discount Window under the Borrower-in-Custody program. The Bank had borrowing capacity of \$7.8 million from the Federal Reserve Bank Discount Window at September 30, 2020.

Liquidity can also be provided through the sale of liquid assets, which consist of federal funds sold, securities purchased under agreements to resell, and securities available-for-sale. At September 30, 2020, investment securities totaled \$1.1 billion, with \$18.6 million pledged as collateral for borrowings and other commitments. The remaining \$1.1 billion was available as additional liquidity or to be pledged as collateral for additional borrowings.

Approximately 95% of our time deposits mature within one year or less as of September 30, 2020. Management anticipates that there may be some outflow of these deposits upon maturity due to the keen competition in the Bank's marketplace. However, based on our historical runoff experience, we expect the outflow will not be significant and can be replenished through our normal growth in deposits. As of September 30, 2020, management believes all the above-mentioned sources will provide adequate liquidity during the next twelve months for the Bank to meet its operating needs. Deposits and other sources of liquidity, however, may be adversely impacted by the COVID-19 pandemic.

The business activities of Bancorp consist primarily of the operation of the Bank and limited activities in other investments. The Bank paid dividends to Bancorp totaling \$96.0 million and \$176.5 million during the first nine months of 2020 and 2019, respectively.

ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK

We use a net interest income simulation model to measure the extent of the differences in the behavior of the lending and funding rates to changing interest rates, so as to project future earnings or market values under alternative interest rate scenarios. Interest rate risk arises primarily through the Company's traditional business activities of extending loans and accepting deposits. Many factors, including but not limited to economic, market and financial conditions, movements in interest rates, and consumer preferences, affect the spread between interest earned on assets and interest paid on liabilities. The net interest income simulation model is designed to measure the volatility of net interest income and net portfolio value, defined as net present value of assets and liabilities, under immediate rising or falling interest rate scenarios in 100 basis point increments.

Although the modeling can be helpful in managing interest rate risk, it does require significant assumptions for the projection of loan prepayment rates on mortgage related assets, loan volumes and pricing, and deposit and borrowing volume and pricing, that might prove inaccurate. Because these assumptions are inherently uncertain, the model cannot precisely estimate net interest income, or precisely predict the effect of higher or lower interest rates on net interest income. Actual results will differ from simulated results due to the timing, magnitude, and frequency of interest rate changes, the differences between actual experience and the assumed volume, changes in market conditions, and management strategies, among other factors. The Company monitors its interest rate sensitivity and seeks to reduce the risk of a significant decrease in net interest income caused by a change in interest rates.

We have established a tolerance level in our policy to define and limit net interest income volatility to a change of plus or minus 5% when the hypothetical rate change is plus or minus 200 basis points. When the net interest rate simulation projects that our tolerance level will be met, or exceeded, we seek corrective action after considering, among other things, market conditions, customer reaction, and the estimated impact on profitability. The Company's simulation model also projects the net economic value of our portfolio of assets and liabilities. We have established a tolerance level in our policy to limit the loss in the net economic value of our portfolio of assets and liabilities to zero when the hypothetical rate change is plus or minus 200 basis points.

The table below shows the estimated impact of changes in interest rates on net interest income and market value of equity as of September 30, 2020:

Change in Interest Rate (Basis Points)	Net Interest Income Volatility (1)	Market Value of Equity Volatility (2)
+200	8.8	7.1
+100	4.0	3.9
-100	-0.2	-3.0
-200	-0.1	-2.9

- (1) The percentage change in this column represents net interest income of the Company for 12 months in a stable interest rate environment versus the net interest income in the various rate scenarios.
- (2) The percentage change in this column represents the net portfolio value of the Company in a stable interest rate environment versus the net portfolio value in the various rate scenarios.

ITEM 4. CONTROLS AND PROCEDURES.

The Company's principal executive officer and principal financial officer have evaluated the effectiveness of the Company's "disclosure controls and procedures," as such term is defined in Rule 13a-15(e) or 15d-15(e) under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), as of the end of the period covered by this quarterly report. Based upon their evaluation, the principal executive officer and principal financial officer have concluded that the Company's disclosure controls and procedures are effective to ensure that information required to be disclosed by the Company in the reports filed or submitted by it under the Exchange Act is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission's rules and forms, and include controls and procedures designed to ensure that information required to be disclosed by the Company in such reports is accumulated and communicated to the Company's management, including its principal executive officer and principal financial officer, as appropriate to allow timely decisions regarding required disclosure.

There has not been any change in our internal control over financial reporting that occurred during the third quarter of 2020 that has materially affected, or is reasonably likely to materially affect, the Company's internal control over financial reporting.

PART II – OTHER INFORMATION

ITEM 1. LEGAL PROCEEDINGS.

From time to time, Bancorp and its subsidiaries are parties to litigation that arise in the ordinary course of business or otherwise are incidental to various aspects of its operations. Based upon information available to the Company and its review of any such litigation with counsel, management presently believes that the liability relating to such litigation, if any, would not be expected to have a material adverse impact on the Company's consolidated financial condition, results of operations or liquidity taken as a whole. The outcome of litigation and other legal and regulatory matters is inherently uncertain, however, and it is possible that one or more of the legal matters currently pending or threatened against the Company could have a material adverse effect on the Company's consolidated financial condition, results of operations or liquidity taken as a whole.

ITEM 1A. RISK FACTORS.

Other than the supplemental risk factor set forth below, the Company is not aware of any material change to the risk factors as previously disclosed in Part I, Item 1A, of the Company's Annual Report on Form 10-K for the year ended December 31, 2019. In addition to the other information set forth in this Quarterly Report on Form 10-Q, you should carefully consider the risk factors disclosed in Part I, Item 1A, of the Company's Annual Report on Form 10-K for the year ended December 31, 2019, which could materially and adversely affect the Company's business, financial condition, results of operations and stock price. The risk factors disclosed in the Annual Report on Form 10-K are not the only risks facing the Company. Additional risks and uncertainties, including those not presently known to the Company or that the Company presently believes not to be material, could also materially and adversely affect the Company's business, financial condition, and results of operations and stock price.

The outbreak of the COVID-19 pandemic has caused a significant global economic downturn, which has adversely affected, and is expected to continue to adversely affect, our business and results of operations, and the future impacts of the COVID-19 pandemic on the global economy and our business, results of operations and financial condition remain uncertain.

Global health and economic concerns relating to the COVID-19 outbreak and government actions taken to reduce the spread of the virus have had a material adverse impact on the macroeconomic environment, and the outbreak has significantly increased economic uncertainty. The pandemic has resulted in federal, state and local authorities, including those who govern the markets in which we operate, implementing numerous measures to try to contain the virus. Such measures have included travel bans and restrictions, curfews, quarantines, shelter in place or total lock-down orders and business limitations and shutdowns. Such measures have significantly contributed to rising unemployment and negatively impacted consumer and business spending. The United States government has taken steps to attempt to mitigate some of the more severe anticipated economic effects of the virus, including the passage of the CARES Act, but there can be no assurance that such steps will be effective or achieve their desired results in the near future.

The outbreak has adversely impacted and is likely to continue to adversely impact our workforce and operations and the operations of our customers and business partners. In particular, we may experience financial losses due to a number of operational factors impacting us or our customers or business partners, including but not limited to the following:

- Our business is dependent upon the willingness and ability of our customers to conduct banking and other financial transactions. The spread of COVID-19 could disrupt the business, activities, and operations of our customers, cause a decline in demand for our products and services, including loans and deposits which may result in a significant decrease in business and would negatively impact our liquidity position, and our growth strategy.
- Our financial results could also be impacted due to an inability of our customers to meet their loan commitments due to job losses or other losses associated with impacts of the disease, and could also result in increased risk of delinquencies, defaults, foreclosures, declining collateral values and the ability of our borrowers to repay their loans resulting in losses to our Bank.
- Based on a review of the appropriateness of the allowance for loan losses at September 30, 2020, we recorded a provision for credit losses of \$12.5 million in third quarter of 2020, primarily a result of the economic deterioration of the global economy resulting from the COVID-19 pandemic. While we took steps to incorporate the impact of the COVID-19 pandemic on the economic forecast and other factors utilized to determine our allowance for loan losses, if the economic forecast or other factors worsen relative to the assumptions we utilized, our allowance for loan losses will increase accordingly in future periods.

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- Market interest rates have declined significantly. We expect that these reductions in interest rates, especially if prolonged, could adversely affect our net interest income, margins and our profitability. Our assets and liabilities may be significantly impacted by changes in interest rates.
- The COVID-19 pandemic restrictions have created significant volatility and disruption in the financial markets, and these conditions may require us to recognize an elevated level of other than temporary impairments on investment securities in our portfolio as issues of these securities are negatively impacted by the economic slowdown. Declines in fair value of investment securities in our portfolio could also reduce the unrealized gains reported as part of our consolidated comprehensive income (loss).
- We are required to comply with minimum capital and leverage requirements. Our capital strategy is primarily to maintain capital levels through the COVID-19 pandemic, and our Board of Directors could determine, as appropriate, to reduce or forego dividends in order to maintain and/or strengthen our capital and liquidity position.
- Current and future governmental action may temporarily require us to conduct business related to foreclosures, repossessions, payments, deferrals and other customer-related transactions differently.
- The pandemic creates heightened risks of cyber and payment fraud, as cyber criminals try to take advantage of the disruption and increased online activity brought about by the pandemic.
- Although we have established a pandemic response plan and procedures, our workforce has been, is, and may continue to be impacted by COVID-19. We are taking precautions to protect the safety and well-being of our employees and customers, including temporary branch and office closures, but no assurance can be given that our actions will be adequate or appropriate, nor can we predict the level of disruption which will occur to our employees' ability to provide customer support and service. The spread could also negatively impact availability of key personnel and employee productivity, as well as the business and operations of third-party service providers who perform critical services for us, which could adversely impact our ability to deliver products and services to our customers.

These and other factors may exist for an extended period of time and may continue to adversely affect our business, financial condition and operations even after the COVID-19 outbreak has subsided. The extent to which the pandemic impacts our business, financial condition and operations will depend on future developments, which are highly uncertain and are difficult to predict, including, but not limited to, the pandemic's duration and severity, the actions to contain it or treat its impact, and how quickly and to what extent normal economic and operating conditions can resume. Even after the pandemic has subsided, we may continue to experience materially adverse impacts to our business as a result of its economic impact, including the availability of credit, adverse impacts on our liquidity and any recession that has occurred or may occur in the future. Additionally, future outbreaks of COVID-19, or other viruses, may occur.

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 pandemic is highly uncertain and subject to change. We do not yet know the full extent of the impacts on our business, our operations or the global economy as a whole. Therefore, the risk factors discussed in our Annual Report on Form 10-K and in this Form 10-Q could be heightened, changed or be added to in the future.

ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS.

Issuer Purchases of Equity Securities				
Period	(a) Total Number of Shares (or Units) Purchased	(b) Average Price Paid per Share (or Unit)	(c) Total Number of Shares (or Units) Purchased as Part of Publicly Announced Plans or Programs	(d) Maximum Number (or Approximate Dollar Value) of Shares (or Units) that May Yet Be Purchased Under the Plans or Programs
(July 1, 2020 - July 31, 2020)	0	\$0.00	0	\$10,713,881
(August 1, 2020 - August 31, 2020)	0	\$0.00	0	\$10,713,881
(September 1, 2020 - September 30, 2020)	0	\$0.00	0	\$10,713,881
Total	0	\$0.00	0	\$10,713,881

For additional information, see Note 20 to the Company's unaudited Condensed Consolidated Financial Statements.

For a discussion of limitations on the payment of dividends, see "Dividend Policy" and "Liquidity" under Part I—Item 2— "Management's Discussion and Analysis of Financial Condition and Results of Operations."

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ITEM 3. DEFAULTS UPON SENIOR SECURITIES.

Not applicable.

ITEM 4. MINE SAFETY DISCLOSURES.

Not applicable.

ITEM 5. OTHER INFORMATION.

None.

ITEM 6. EXHIBITS.

Exhibit 10.1	Employment Agreement, dated as of July 16, 2020, among Cathay General Bancorp, Cathay Bank and Chang M. Liu. **+
Exhibit 10.2	Change in Control Employment Agreement, dated as of July 16, 2020, among Cathay General Bancorp, Cathay Bank and Chang M. Liu. **+
Exhibit 31.1	Certification of the Chief Executive Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.+
Exhibit 31.2	Certification of the Chief Financial Officer pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.+
Exhibit 32.1	Certification of the Chief Executive Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.++
Exhibit 32.2	Certification of the Chief Financial Officer pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.++
Exhibit 99.1	Press Release of Cathay General Bancorp dated July 16, 2020, announcing CEO succession.
Exhibit 101.INS	XBRL Instance Document – the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document*
Exhibit 101.SCH	Inline XBRL Taxonomy Extension Schema Document*
Exhibit 101.CAL	Inline XBRL Taxonomy Extension Calculation Linkbase Document*
Exhibit 101.DEF	Inline XBRL Taxonomy Extension Definition Linkbase Document*
Exhibit 101.LAB	Inline XBRL Taxonomy Extension Label Linkbase Document*
Exhibit 101.PRE	Inline XBRL Taxonomy Extension Presentation Linkbase Document*
Exhibit 104	Cover Page Interactive Data File – the cover page XBRL tags are embedded within the Inline XBRL document*

+ Filed herewith.

++ Furnished herewith.

* Filed electronically herewith.

** Indicates a management contract or compensation plan.

SIGNATURES

Pursuant to the requirements 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.

Cathay General Bancorp
(Registrant)

Date: November 6, 2020

/s/ Chang M. Liu
Chang M. Liu
President and Chief Executive Officer

Date: November 6, 2020

/s/ Heng W. Chen
Heng W. Chen
Executive Vice President and
Chief Financial Officer