NASDAQ - COLB

1Q 2021



Columbia Banking System Inc.

Forward Looking Statements

This presentation includes forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995, which can be identified by words such as "may," "expected," "anticipate", "continue," or other comparable words. In addition, all statements other than statements of historical facts that address activities that Columbia expects or anticipates will or may occur in the future are forward-looking statements. Readers are encouraged to read the SEC reports of Columbia, particularly its most recently filed form 10-K, for meaningful cautionary language discussing why actual results may vary materially from those anticipated by management.

Lasting Strength

Sustained track record of driving long-term shareholder value

Maintained a strong capital position with **ample liquidity**

Seasoned acquirer with proven integration success

Low-cost deposit funding base

Award-winning company that is committed to the communities it serves

Embedded in a strong US economic region

Received a Community Reinvestment Act rating of "**Outstanding**"



North Head Lighthouse, Ilwaco, Washington

By the Numbers

$17.3 Billion in Total Assets
$9.7 Billion in Total Loans
$14.8 Billion in Total Deposits
145 Branches

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48 Branch Consolidations
6 Acquisitions
3 Branch Sales
Over past 10 years

14.6% Total Risk-Based Capital (1)



9.1% Leverage Ratio (1)



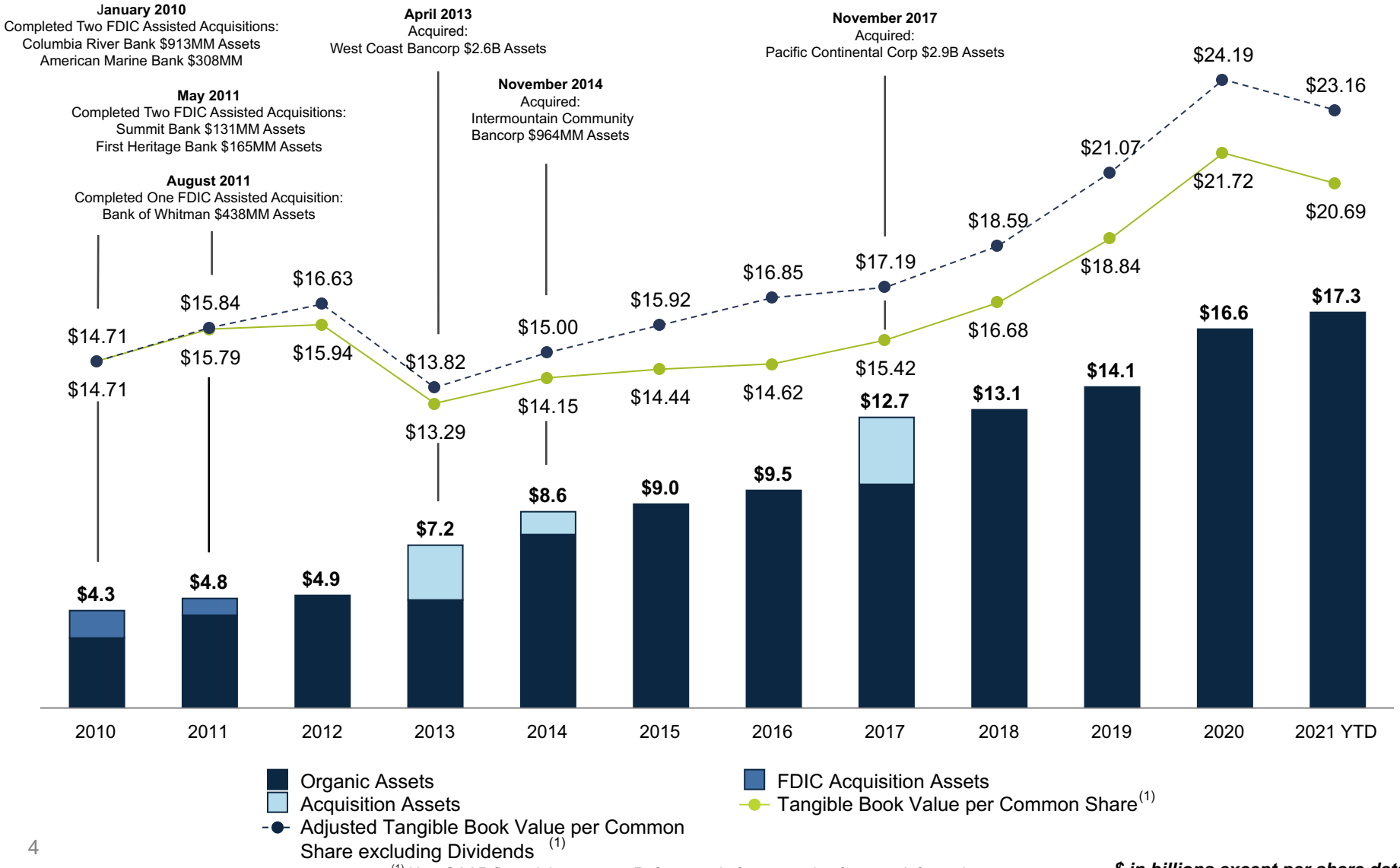
Represents Well-Capitalized Regulatory Minimum

(1) Preliminary Bank Only Ratio



Deception Pass Bridge, Whidbey Island, Washington

Continually Building Value



(1) Non-GAAP financial measure. Refer to end of presentation for more information.

$ in billions except per share data

1Q 2021 Recap

Fourth quarter net income of **$51.9 million**; diluted earnings per share of **$0.73**

Pre-tax, pre-provision income[(1)] of **$63.6 million** for the quarter

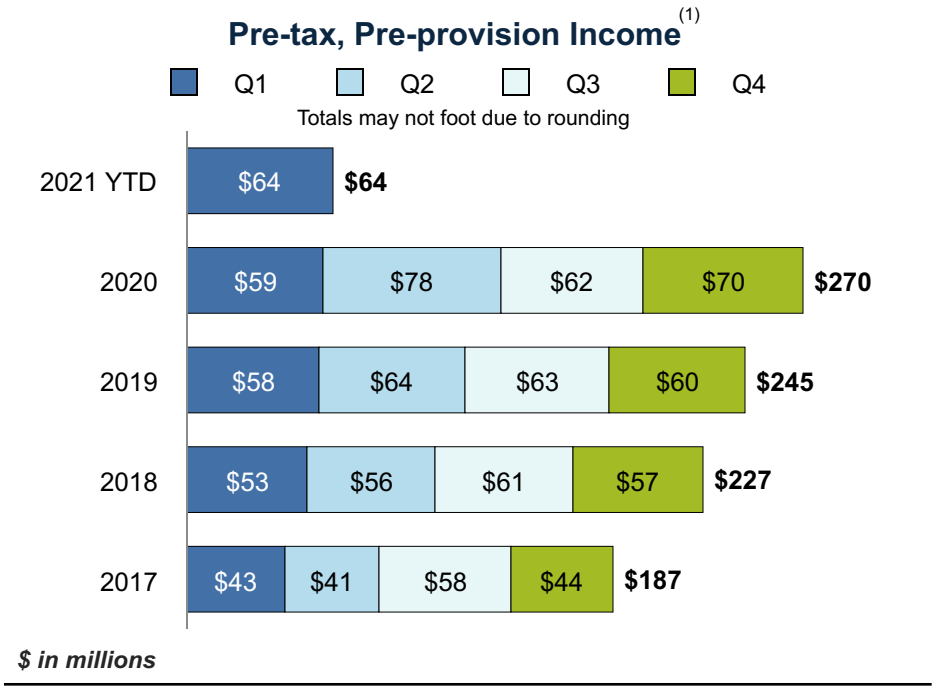
Strong first quarter loan production of **$895 million** including **$511 million** of PPP loans

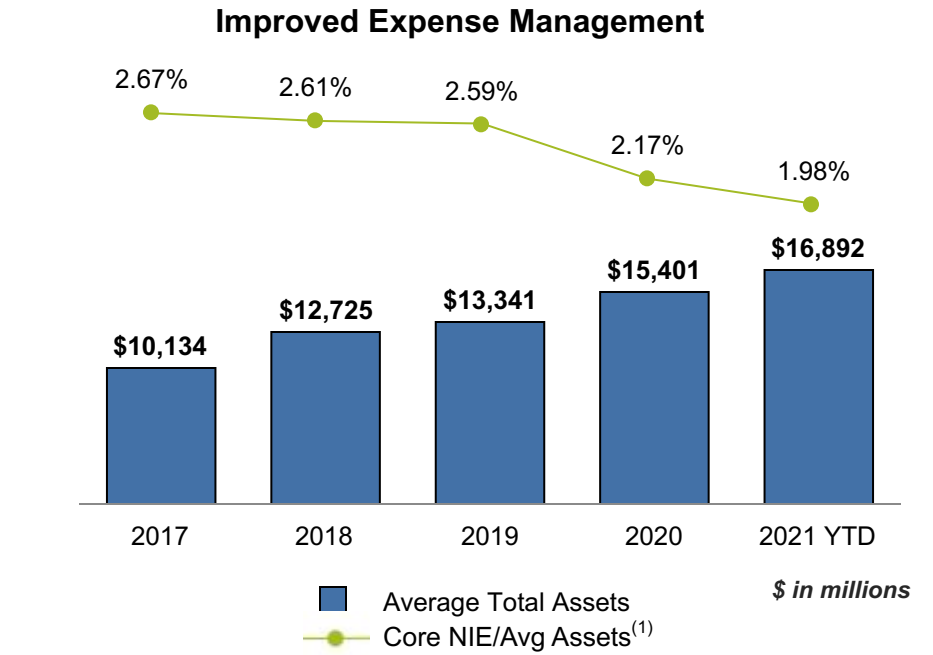
Operating efficiency ratio[(1)] increased to **55.30%**

Nonperforming assets to period-end assets ratio decreased to **0.20%**

The allowance for credit losses to total loans decreased to **1.69%** (excluding PPP loans[(1)]) reflecting the anticipated improved economic and financial trends

Declared a regular quarterly cash dividend of **$0.28**





(1) Non-GAAP financial measure. Refer to end of presentation for more information.

Summary Income Statement

$ in thousands (except EPS)	1Q21	4Q20	3Q20	2Q20	1Q20
Net Interest Income	$123,994	$131,112	$124,726	$121,851	$122,422
Provision/(Recapture) for Credit Losses	(800)	(4,700)	7,400	33,500	41,500
Net Interest Income after Provision for Credit Losses	**124,794**	**135,812**	**117,326**	**88,351**	**80,922**
Noninterest Income	23,166	23,562	22,472	37,259	21,207
Noninterest Expense	83,559	84,300	85,115	80,833	84,271
Pre-tax Net Income	**64,401**	**75,074**	**54,683**	**44,777**	**17,858**
Provision for Income Taxes	12,548	16,774	9,949	8,195	3,230
Net Income	**$51,853**	**$58,300**	**$44,734**	**$36,582**	**$14,628**
Pre-tax, Pre-Provision Income[(1)]	**$63,601**	**$70,374**	**$62,083**	**$78,277**	**$59,358**
EPS (Diluted)	$0.73	$0.82	$0.63	$0.52	$0.20
Weighted Avg # of Diluted Shares Outstanding	71,109	70,838	70,762	70,711	71,264

[(1)] Non-GAAP financial measure. Refer to end of presentation for more information.

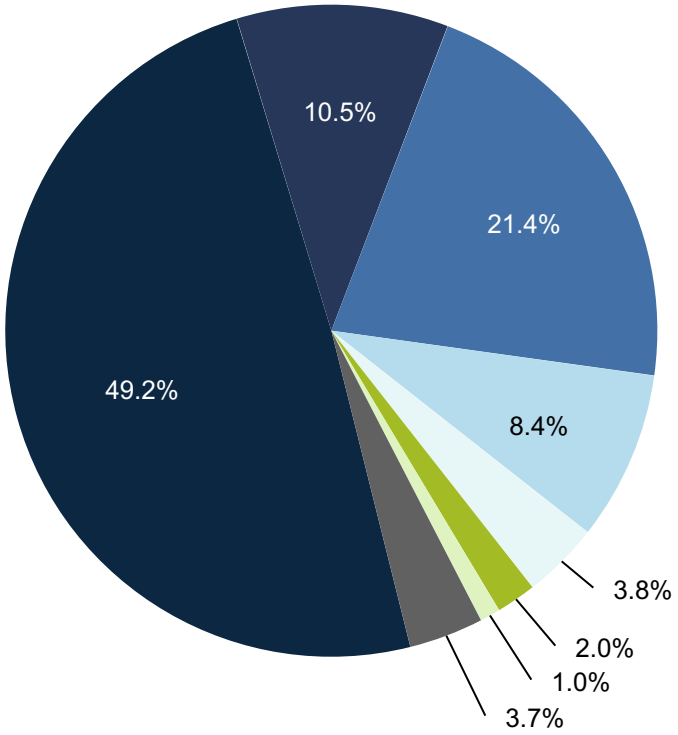
Selected Balance Sheet & Ratios

$ in millions	Mar 31, 2021	Dec 31, 2020	Sep 30, 2020	Jun 30, 2020	Mar 31, 2020
Total Assets	$17,335	$16,585	$16,233	$15,921	$14,039
Securities, Including Equity Securities & FHLB Stock	5,520	5,234	4,305	3,723	3,591
Loans, Net of unearned Income	9,676	9,428	9,689	9,772	8,933
Allowance for Credit Losses	148	149	157	152	122
Goodwill & Other Intangibles	791	793	795	797	799
Deposits	14,767	13,870	13,600	13,131	10,813
Total Shareholders' Equity	2,275	2,348	2,302	2,277	2,214
Ratios:					
Return on Average Assets	1.23%	1.42%	1.12%	0.97%	0.42%
Return on Average Equity	8.84%	10.09%	7.8%	6.49%	2.67%
Return on Average Tangible Common Equity[(1)]	13.73%	15.79%	12.41%	10.53%	4.72%
Loans/Deposits	66%	68%	71%	74%	83%
Tangible Common Equity[(1)]	8.97%	9.85%	9.76%	9.79%	10.68%

[(1)] Non-GAAP financial measure. Refer to end of presentation for more information.

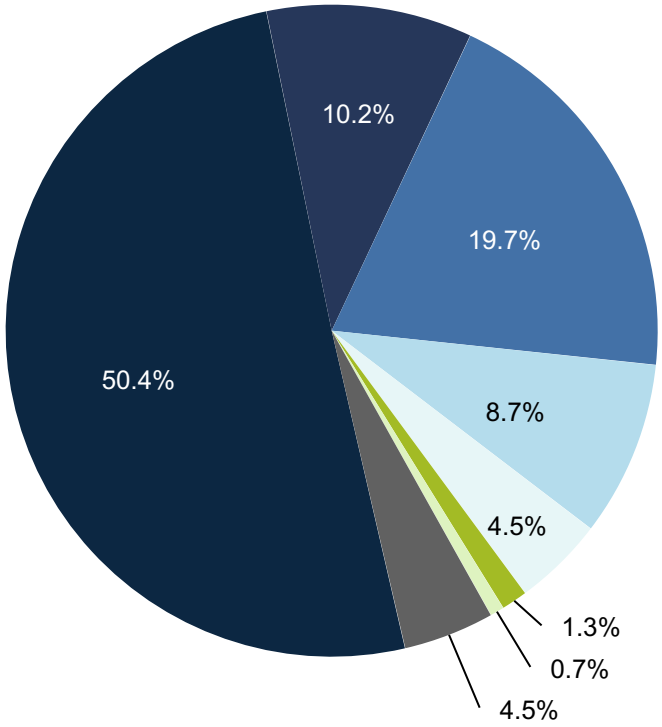
Diversified, Relationship-Centered Deposit Base

1Q20
$10.8 billion
59% Business & 41% Consumer
Cost of Deposits = 14 bps



As of Mar 31, 2020

1Q21
$14.8 billion
60% Business & 40% Consumer
Cost of Deposits = 4 bps

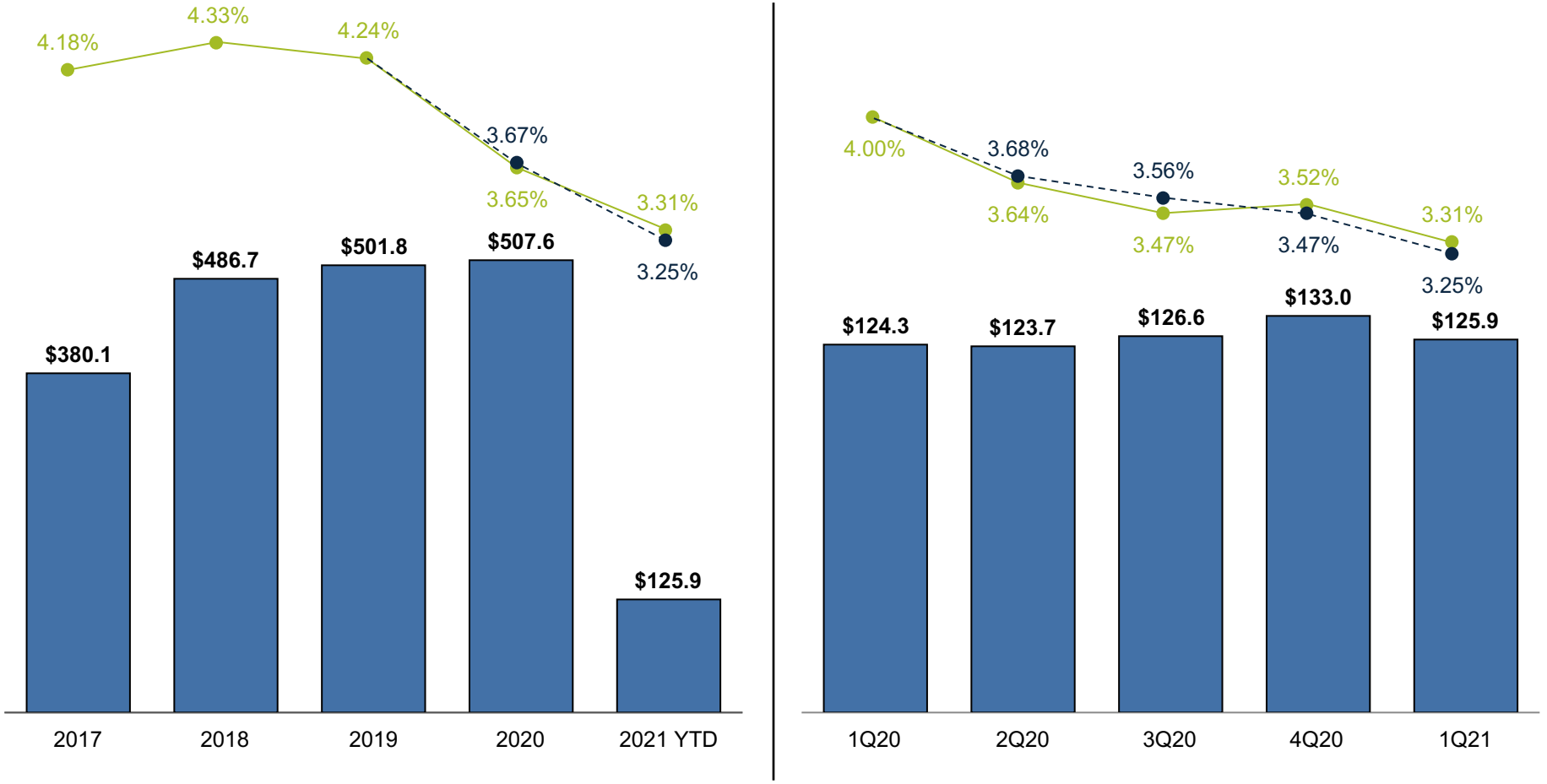


As of Mar 31, 2021

- Demand and other noninterest-bearing
- Money market
- Interest-bearing public deposits, other than CDs
- Certificates of deposit, $250,000 or more

- Interest-bearing demand
- Savings
- Certificates of deposit, less than $250,000
- CD Option of IntraFi Network Deposits, brokered CDs, & reciprocal money markets

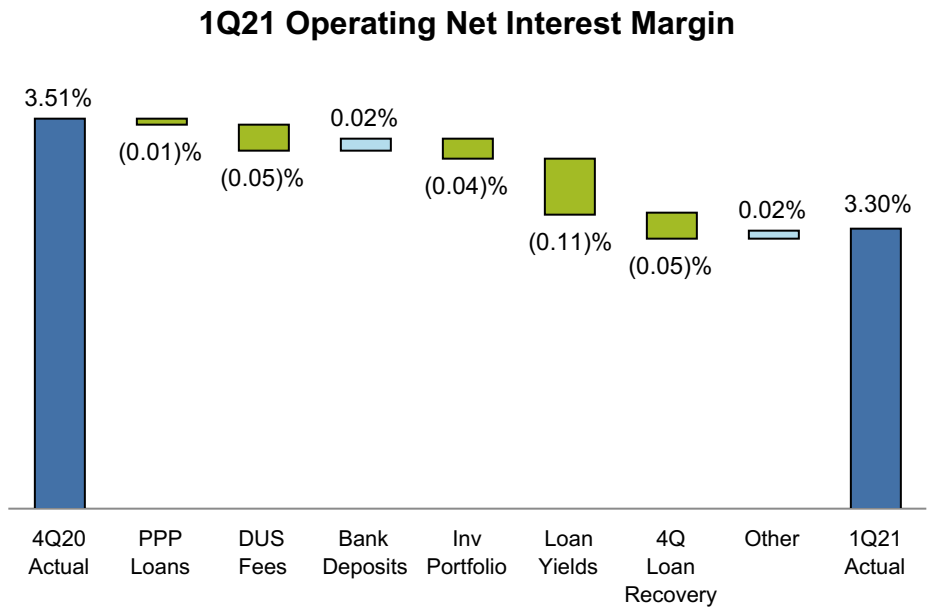
Reported Net Interest Margin



$ in millions

(1) Non-GAAP financial measure. Refer to end of presentation for more information.

Interest Rate Sensitivity



Floors: Floating and Variable Rate Loans (in millions)

Balances	At Floor	0-100 bps	100-200 bps	>200 bps	No Floor	Total
PRIME	$491	$93	$9	$5	$226	**$824**
1 MO	562	28	—	—	1,463	**2,054**
3 MO	11	—	—	—	101	**113**
1 YR	31	72	23	3	2	**130**
3 YR	63	7	10	—	31	**111**
5 YR	422	173	33	2	160	**791**
10 YR	55	6	1	—	97	**158**
	$1,634	**$378**	**$75**	**$11**	**$2,082**	**4,180**

Repricing: Floating and Variable Rate Loans (in millions)

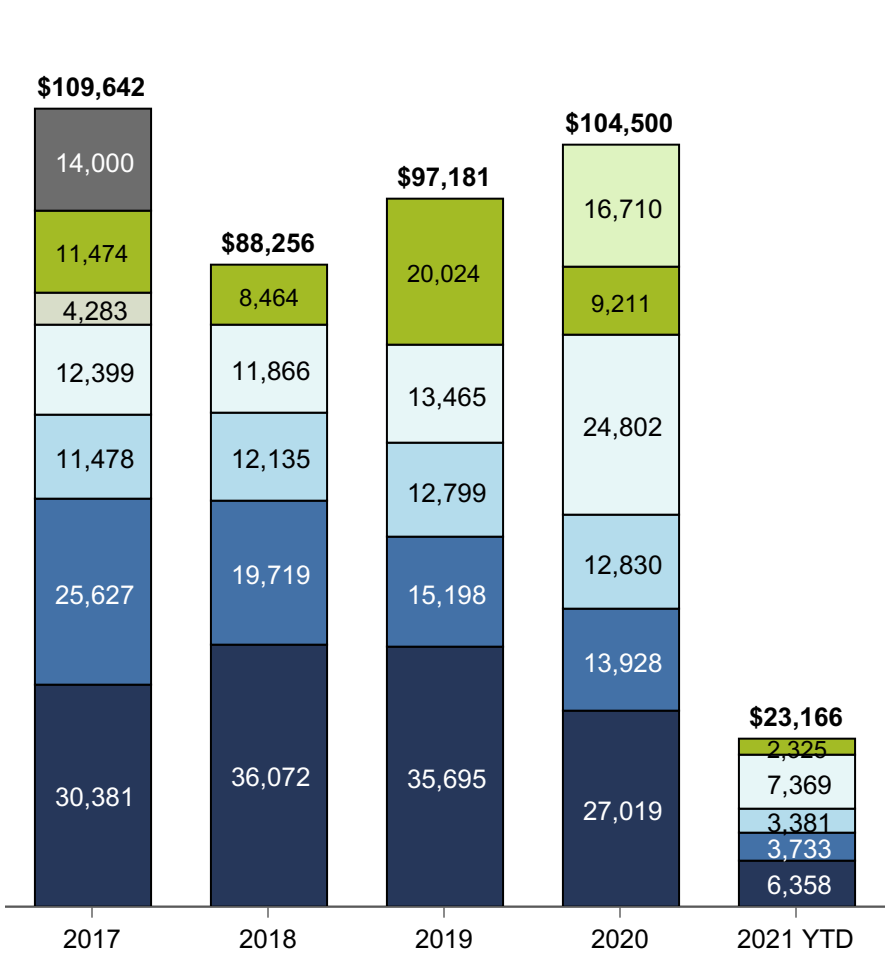
	<=6 Mos	>6 to 12 Mos	>12 to 24 Mos	>24 to 36 Mos	>36 to 48 Mos	>48 to 60 Mos	> 60 Mos	Total
PRIME	$777	$10	$7	$10	$12	$6	$2	**$824**
1 MO	2,029	2	1	3	3	12	4	**2,054**
3 MO	109	—	4	—	—	—	—	**113**
1 YR	8	23	3	4	9	13	69	**130**
3 YR	15	6	18	32	13	9	16	**111**
5 YR	108	88	199	107	142	121	25	**791**
10 YR	2	1	2	2	20	48	83	**158**
	$3,048	**$131**	**$234**	**$158**	**$200**	**$211**	**$199**	**$4,180**

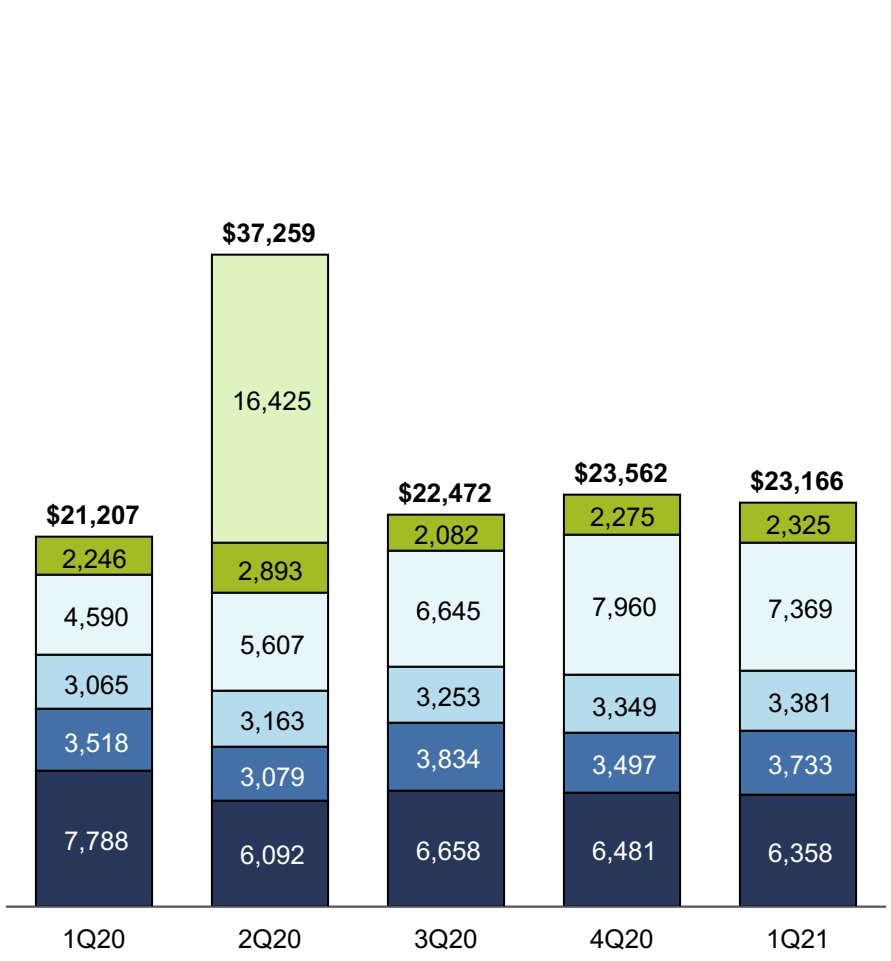
Fixed Rate Loan Maturities (in millions)

	<=6 Mos	>6 to 12 Mos	>12 to 24 Mos	>24 to 36 Mos	>36 to 48 Mos	>48 to 60 Mos	> 60 Mos	Total
Fixed	$58	$47	$166	$245	$331	$409	$3,364	**$4,619**
PPP	$0	$0	$394	$0	$0	$521	$0	**$915**

Totals may not foot due to rounding

Noninterest Income

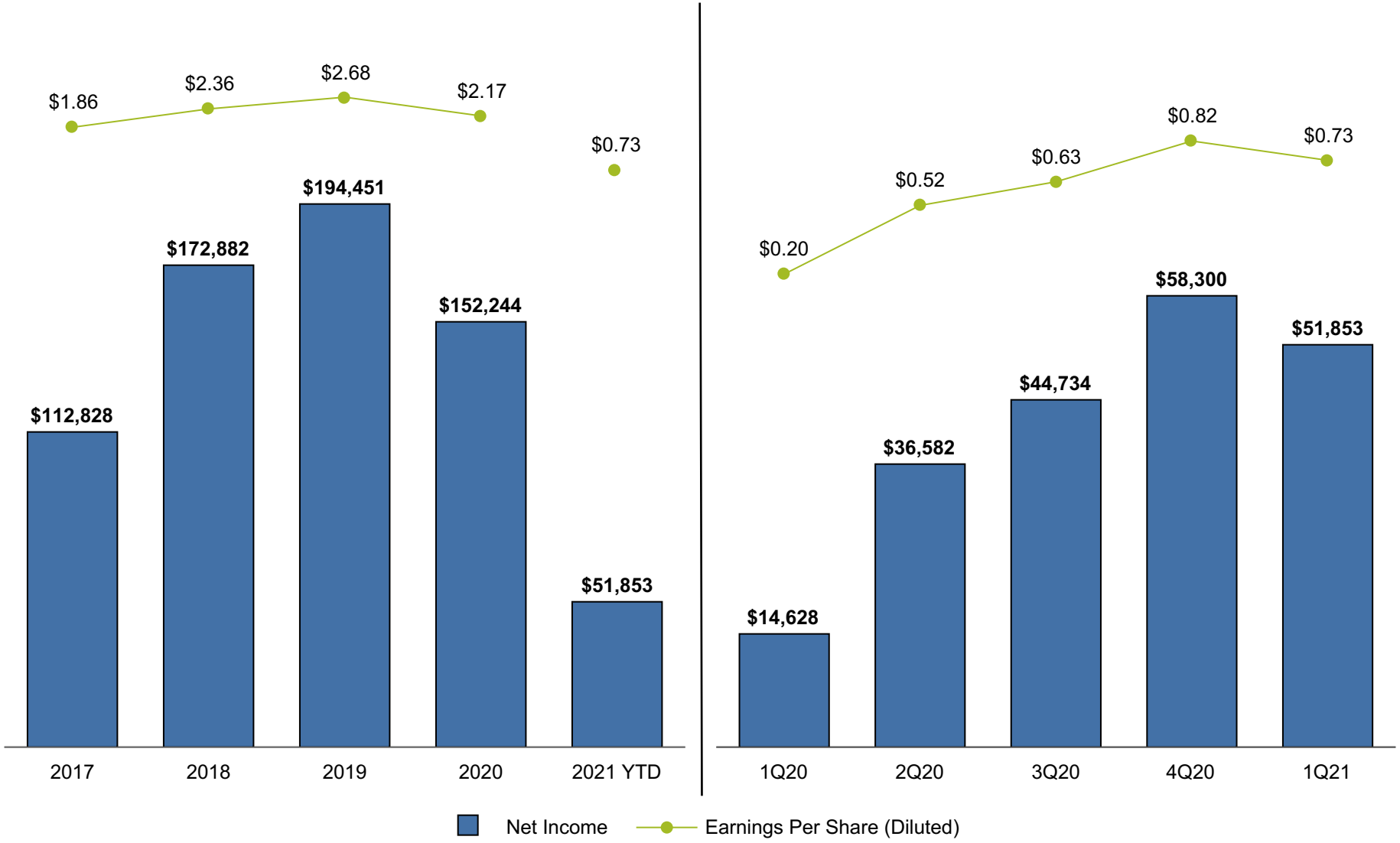




- Deposit Account & Treasury Management Fees
- Financial Services & Trust Revenue
- Merchant Processing Revenue
- Gain Investment Securities, Net
- Card Revenue
- Loan Revenue
- Other Noninterest Income
- Gain on Sale of Merchant Card Services Portfolio, Net

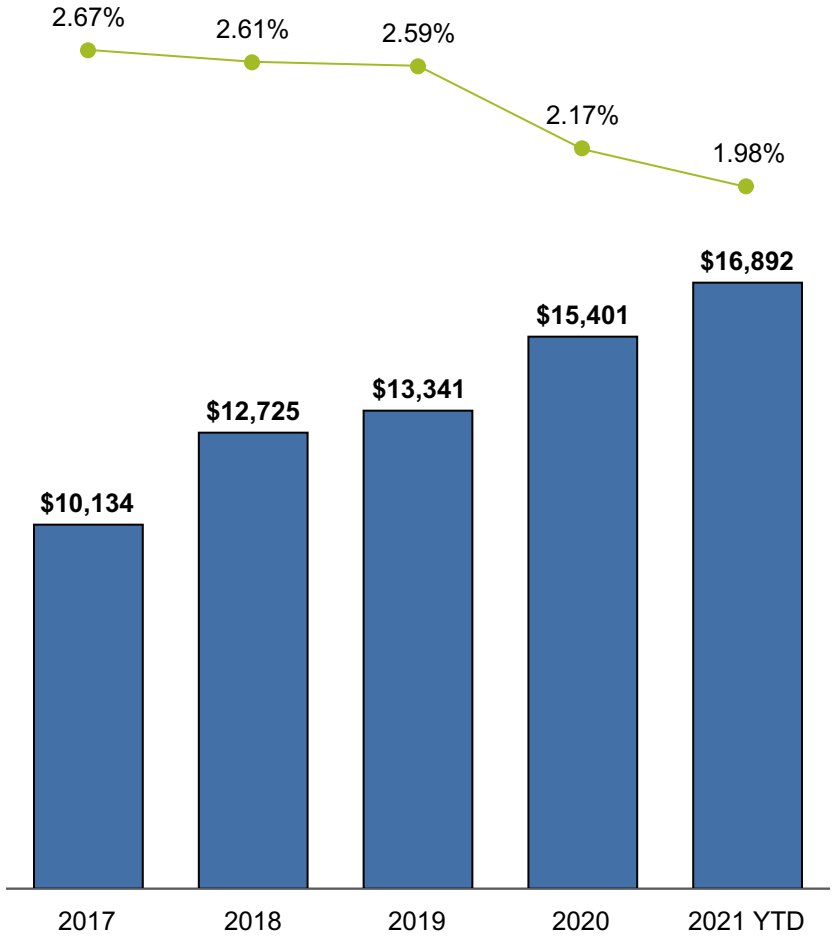
$ in thousands

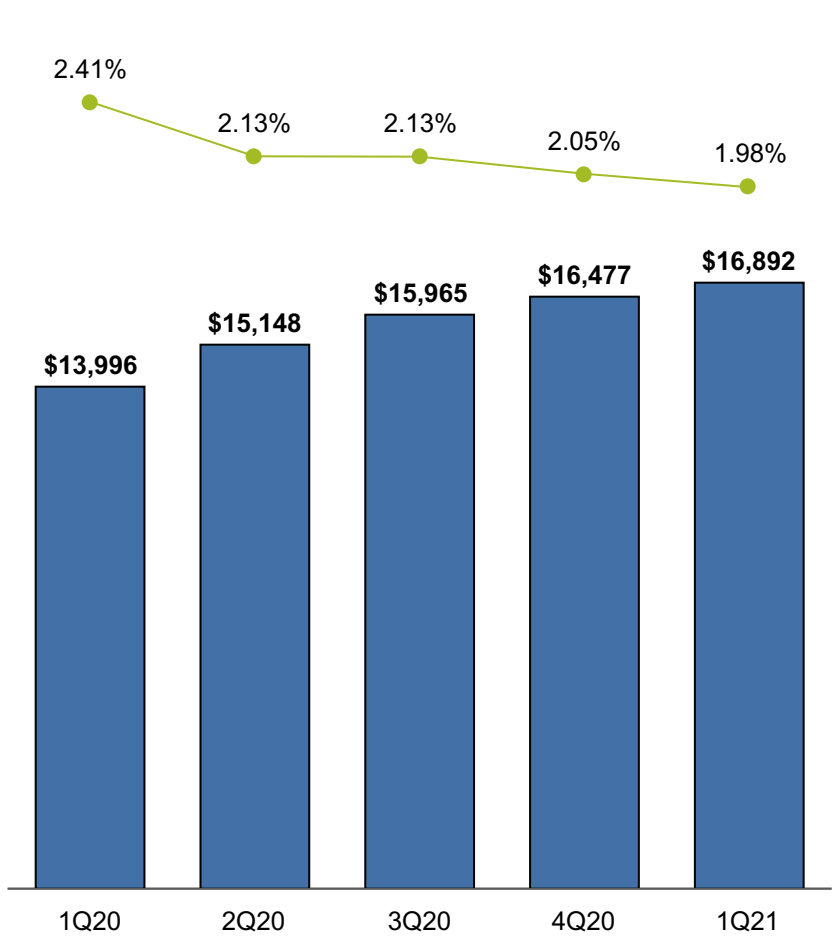
Strong Earnings Performance



$ in thousands

Improved Operating Leverage





Average Total Assets

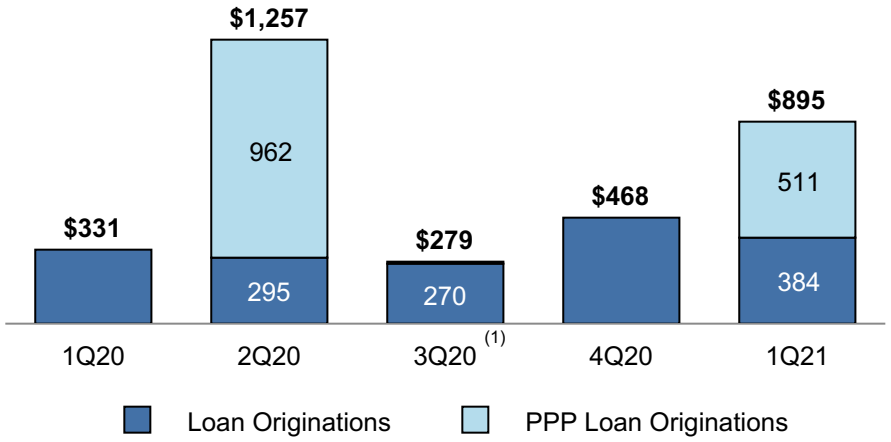
Core NIE/Avg Assets[1]

$ in millions

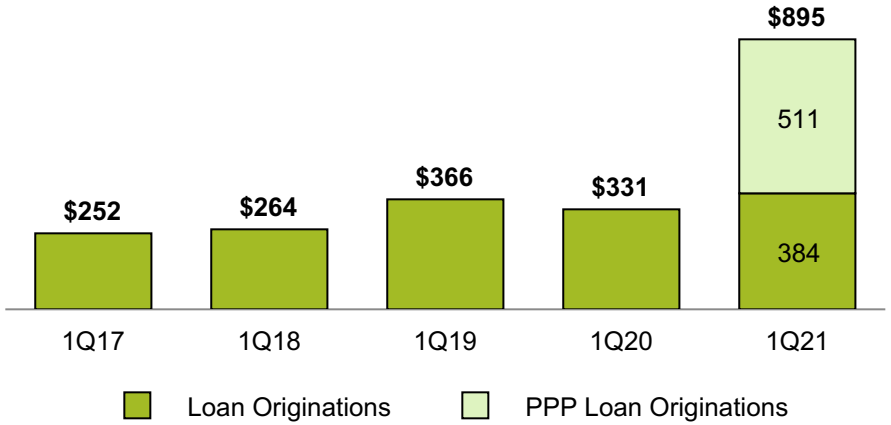
[1] Non-GAAP financial measure. Refer to end of presentation for more information.

Total Loans, Net of Unearned Income

Rolling 5 Quarters Loan Production



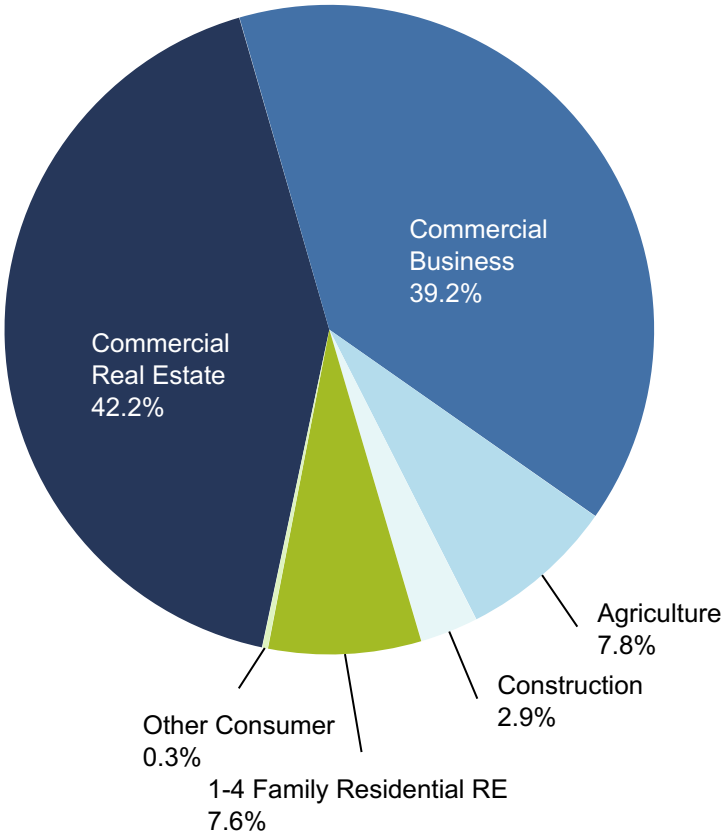
1st Quarter Loan Production



$ in millions

Total Loans = $9.7 billion

LTM growth = 8.3%



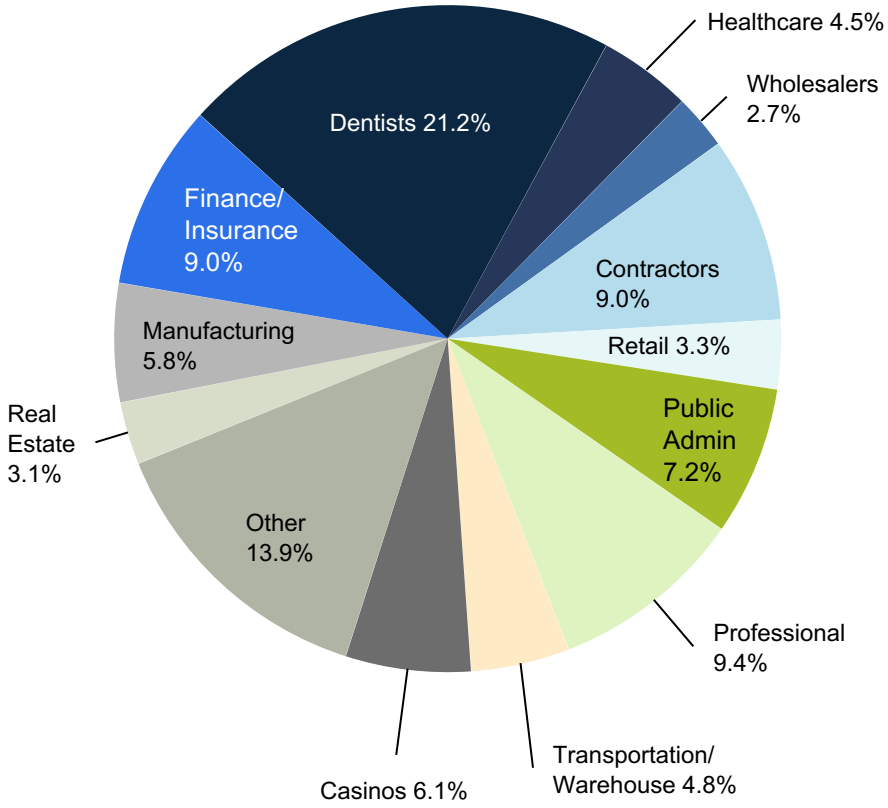
As of Mar 31, 2021

(1) 3Q20 includes $9.4 million of PPP Loan Originations

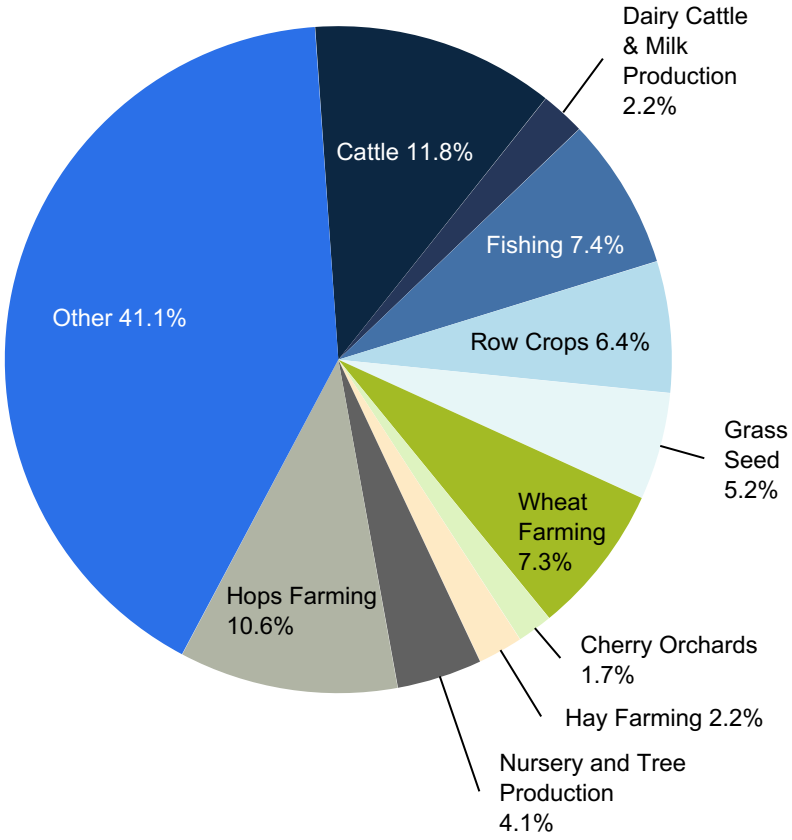
Well Diversified C&I and Agriculture Loan Portfolios

Columbia Bank

C&I Portfolio
$3.8 billion



Agriculture Portfolio
$752 million



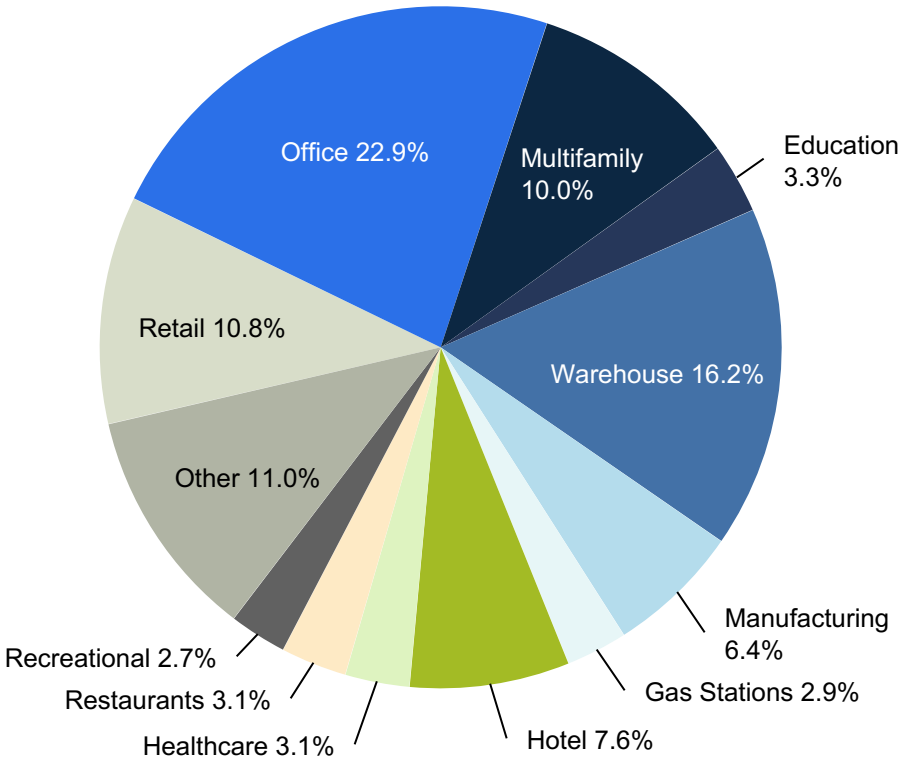
As of Mar 31, 2021

Balanced CRE Loan Portfolio

Columbia Bank

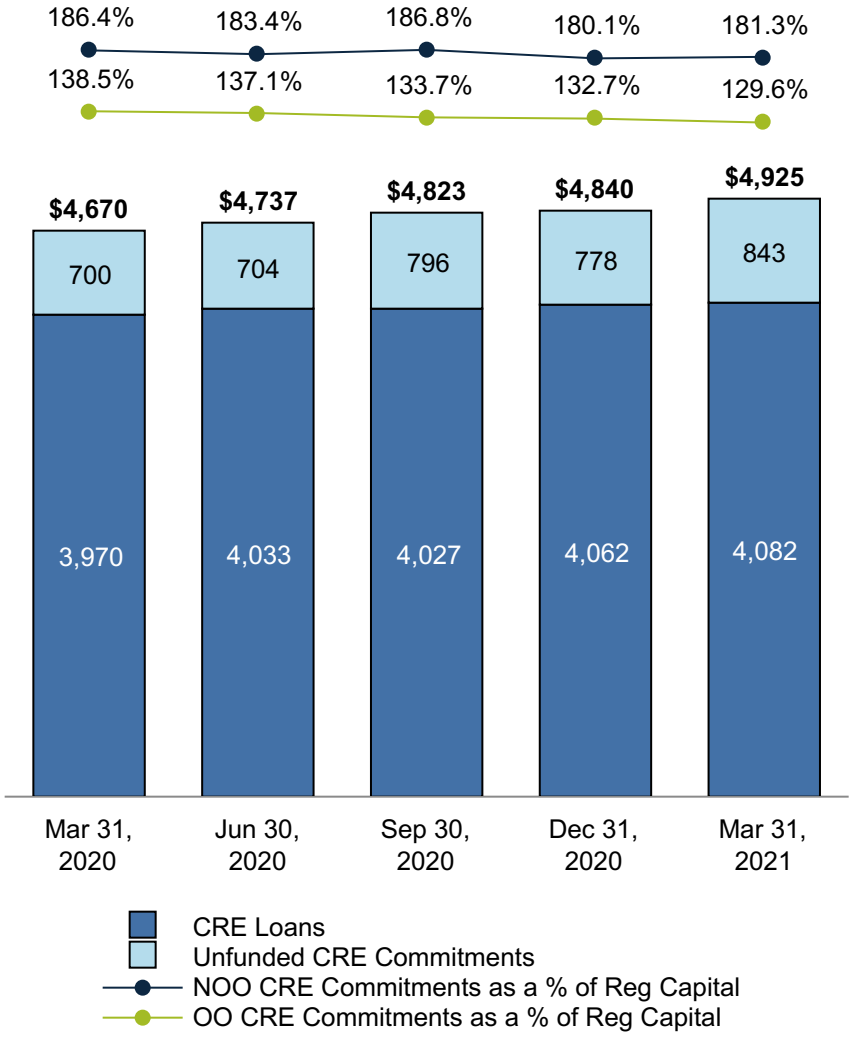
CRE Portfolio $4.1 billion

Balanced with 51% Income Property and 49% Owner-occupied



As of Mar 31, 2021

Consistent CRE Coverage



$ in millions

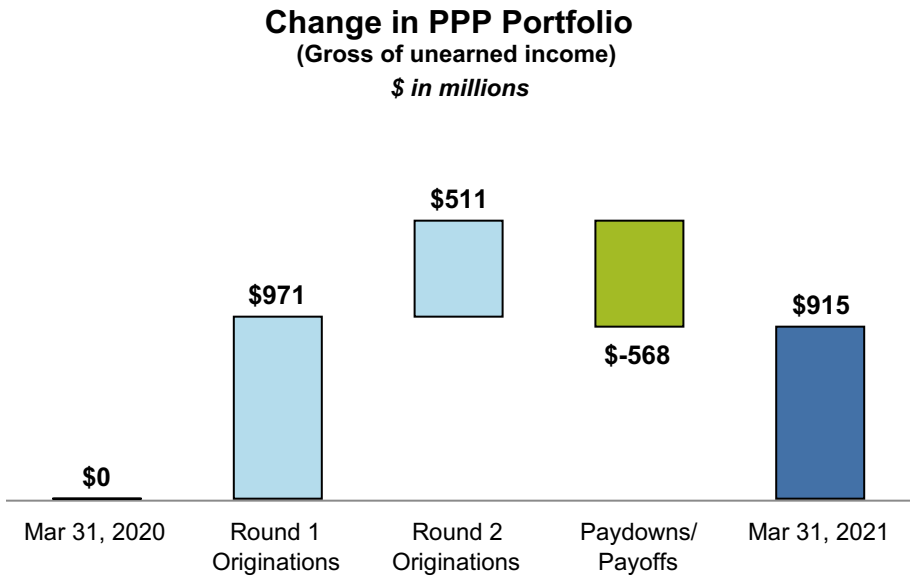
Paycheck Protection Program

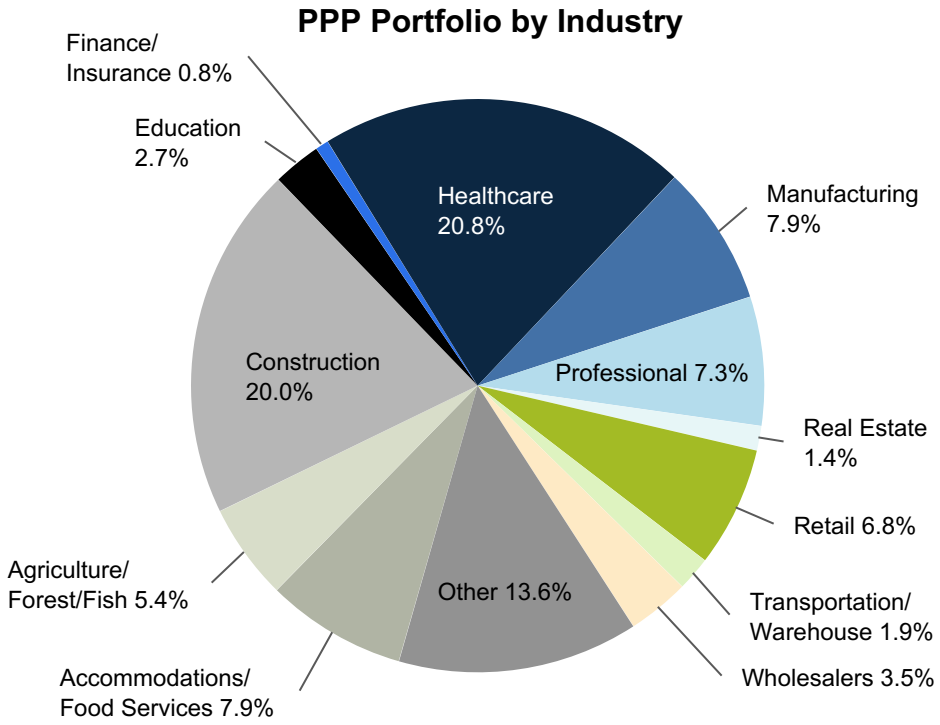
During 1Q 2021, Columbia Bank originated more than **4,000** loans through **Round 2** of the Paycheck Protection Program, **totaling $511 million**.

The average **Round 2** loan size was approximately **$125,000.**

Our Paycheck Protection Program Forgiveness platform opened **August 14, 2020**. As of **March 31, 2021**, we have received approximately **$570 million** of **Round 1** forgiveness from the SBA for clients.

We were pleased to provide much needed aid for businesses and the families they support across the Pacific Northwest.



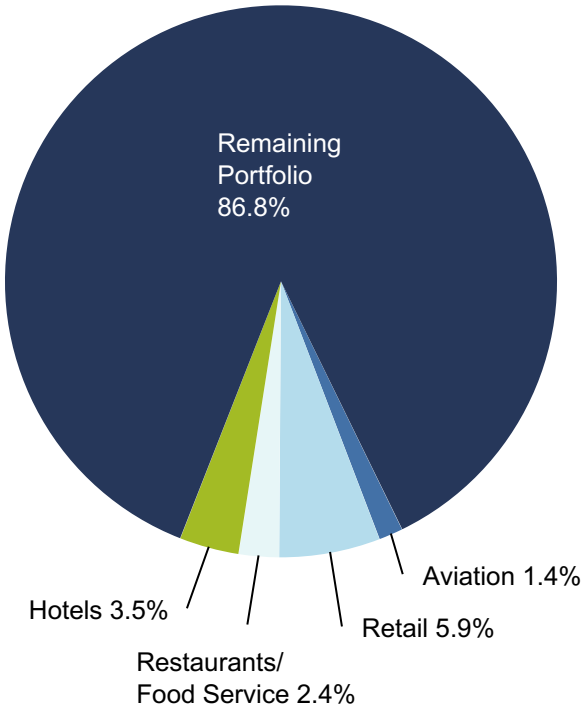


As of Mar 31, 2021

Exposure in Stressed Sectors[1]

Columbia Bank

Total Outstanding Loans
$9.7 billion



Total Stressed Sector Commitments
$1.4 billion



As of Mar 31, 2021

$ in millions

[1] Before deferred fees and costs
[2] Specialty Food Services includes mobile food services, caterers, and food service contractors

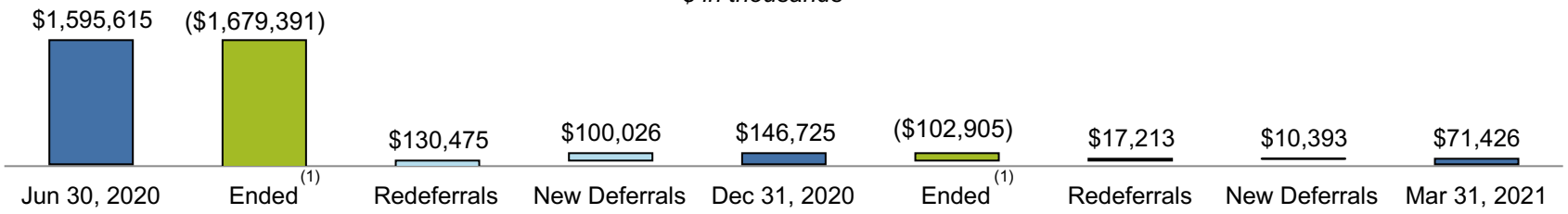
Loan Deferral Update

Number of Loan Deferrals	6/30/20	Ended [1]	Redeferrals	New	12/31/20	% Change	Ended [1]	Redeferrals	New	3/31/21	% Change
Dental	1,569	(1,570)	1	1	1	(99.9)%	(1)	—	1	1	— %
Hotel/Motel	73	(87)	14	10	10	(86.3)%	(10)	1	—	1	(90.0)%
Office	158	(160)	3	5	6	(96.2)%	(5)	—	—	1	(83.3)%
Healthcare (non-Dental)	231	(233)	1	2	1	(99.6)%	—	—	—	1	— %
Retail	126	(130)	5	5	6	(95.2)%	(6)	—	—	—	(100.0)%
Restaurants/Food Service	124	(127)	13	2	12	(90.3)%	(12)	2	1	3	(75.0)%
Other	769	(784)	19	30	34	(95.6)%	(26)	—	5	13	(61.8)%
Total	**3,050**	**(3,091)**	**56**	**55**	**70**	**(97.7)%**	**(60)**	**3**	**7**	**20**	(71.4)%

Loan Deferrals (in thousands)	6/30/20	Ended [1]	Redeferrals	New	12/31/20	% Change	Ended [1]	Redeferrals	New	3/31/21	% Change
Dental	$ 683,729	$ (684,012)	$ 715	$ 283	$ 715	(99.9)%	$ (715)	$ —	$ 457	$ 457	(36.1)%
Hotel/Motel	$ 178,648	$ (235,817)	$ 56,665	$ 39,342	$ 38,838	(78.3)%	$ (38,838)	$ 12,960	$ —	$ 12,960	(66.6)%
Office	$ 116,377	$ (118,464)	$ 4,202	$ 7,786	$ 9,901	(91.5)%	$ (8,210)	$ —	$ —	$ 1,691	(82.9)%
Healthcare (non-Dental)	$ 106,906	$ (107,744)	$ 250	$ 838	$ 250	(99.8)%	$ —	$ —	$ —	$ 250	— %
Retail	$ 90,115	$ (93,366)	$ 4,496	$ 5,969	$ 7,214	(92.0)%	$ (7,214)	$ —	$ —	$ —	(100.0)%
Restaurants/Food Service	$ 61,459	$ (65,503)	$ 9,646	$ 2,341	$ 7,943	(87.1)%	$ (7,943)	$ 4,253	$ 2,609	$ 6,862	(13.6)%
Other	$ 358,381	$ (374,485)	$ 54,501	$ 43,467	$ 81,864	(77.2)%	$ (39,986)	$ —	$ 7,327	$ 49,205	(39.9)%
Total	**$1,595,615**	**$(1,679,391)**	**$130,475**	**$100,026**	**$146,725**	**(90.8)%**	**$(102,905)**	**$17,213**	**$10,393**	**$71,426**	(51.3)%

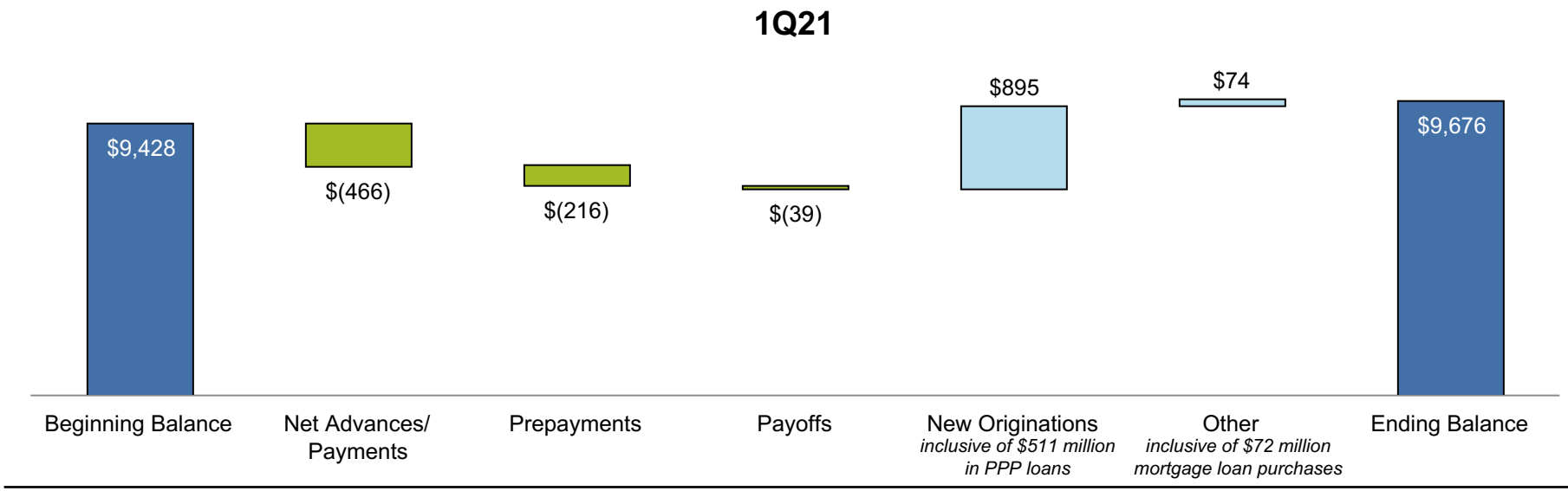
Total Loan Payment Deferrals Migration

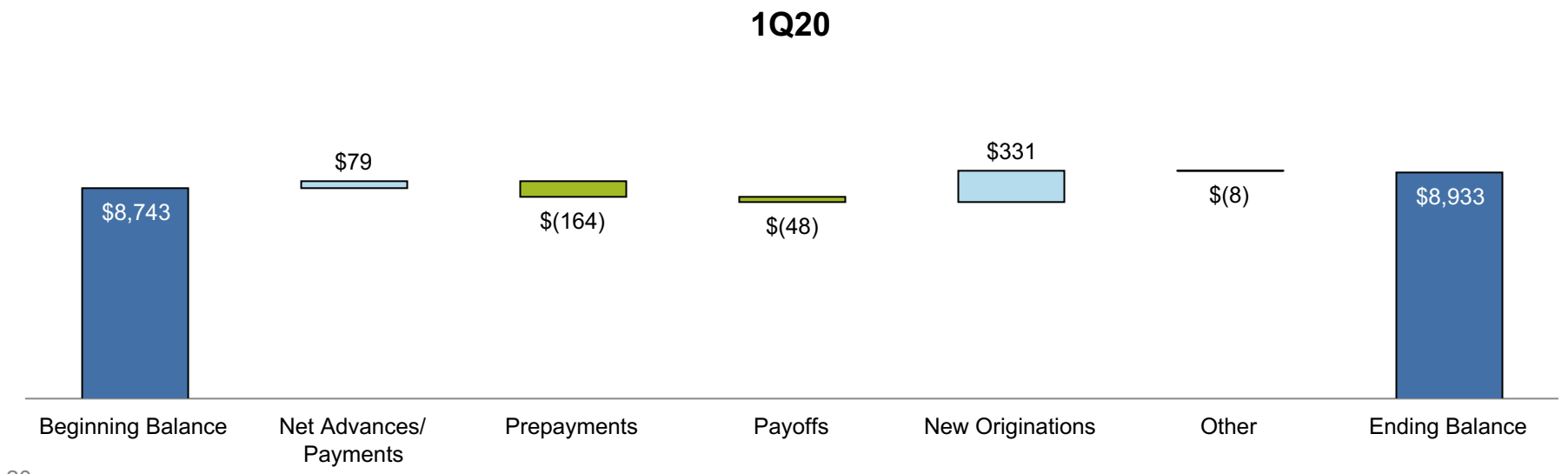
$ in thousands



[1] Includes Redeferrals that have ended

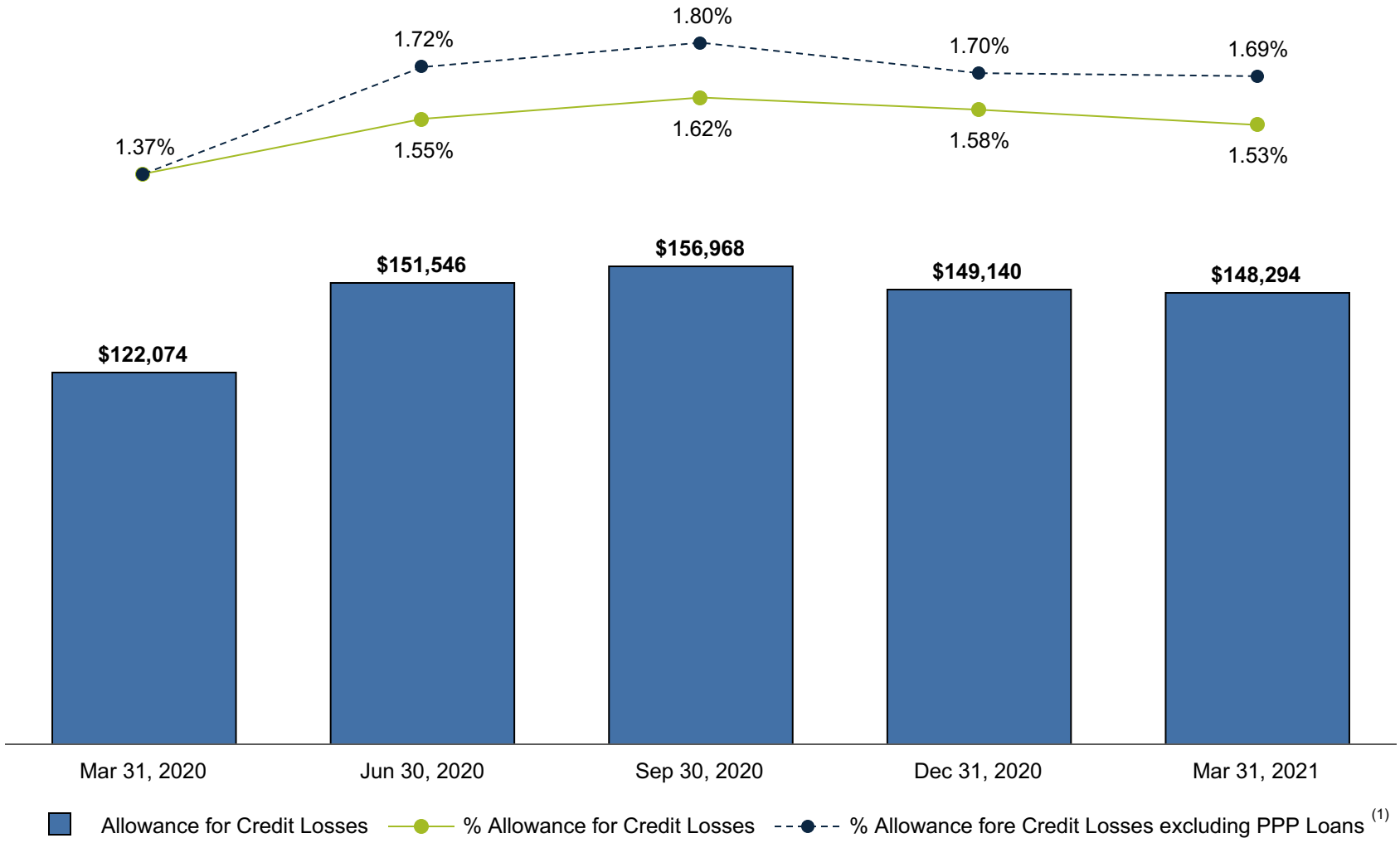
Components of 1Q Change in Loans





$ in millions

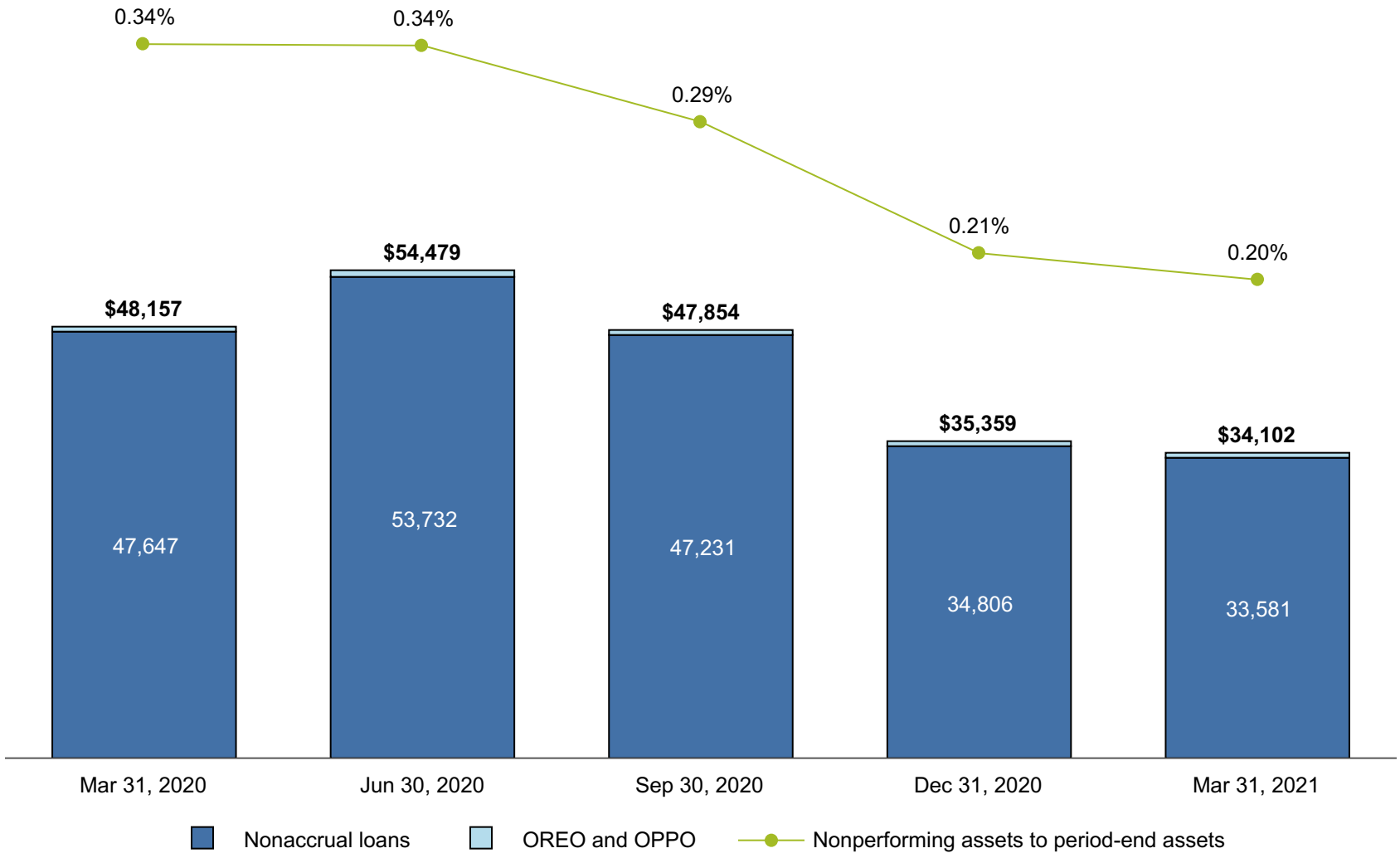
Allowance for Credit Losses (ACL)



$ in thousands

(1) Non-GAAP financial measure. Refer to end of presentation for more information.

Nonperforming Assets

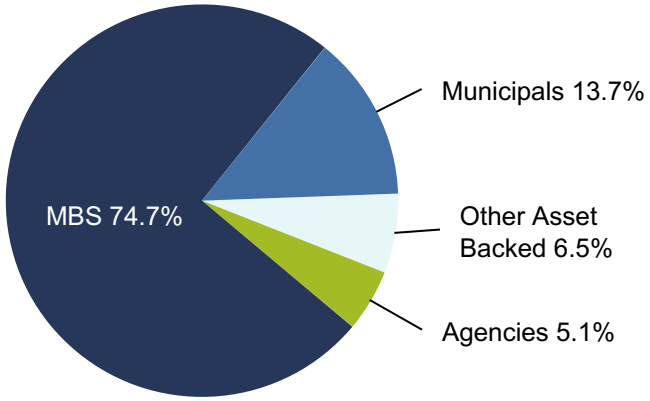


$ in thousands

Highly Quality Securities Portfolio[1]

Columbia Bank

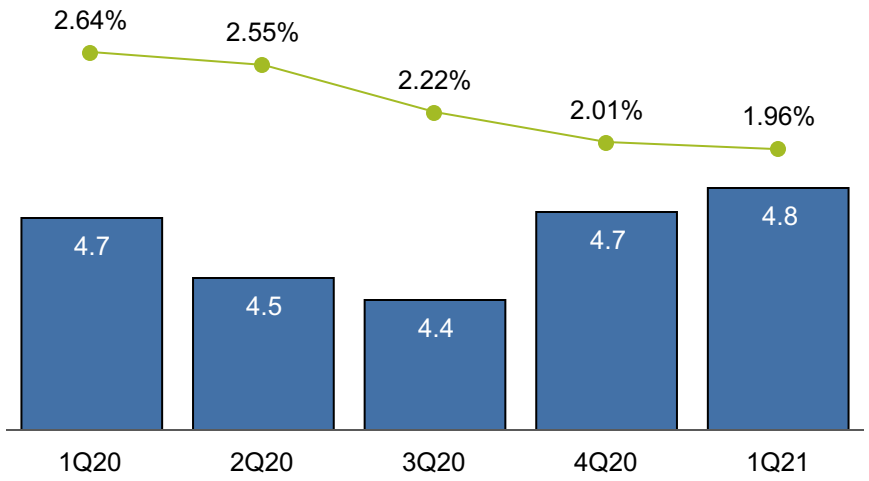
Portfolio Mix
$5.5 billion



Portfolio is well positioned for a challenging economic environment:

- Strong credit quality with focus on agencies and high-quality municipal securities; no private-label MBS
- Over half of the MBS portfolio is Agency Commercial Mortgage Backed Securities (ACMBS), which mitigates prepayment risk
- 83% of municipal securities from the following states: WA, TX, OR, ID, MN, MD

Portfolio Duration[2] & Expected Yield to Maturity



Summary of Credit Ratings *(in millions)*

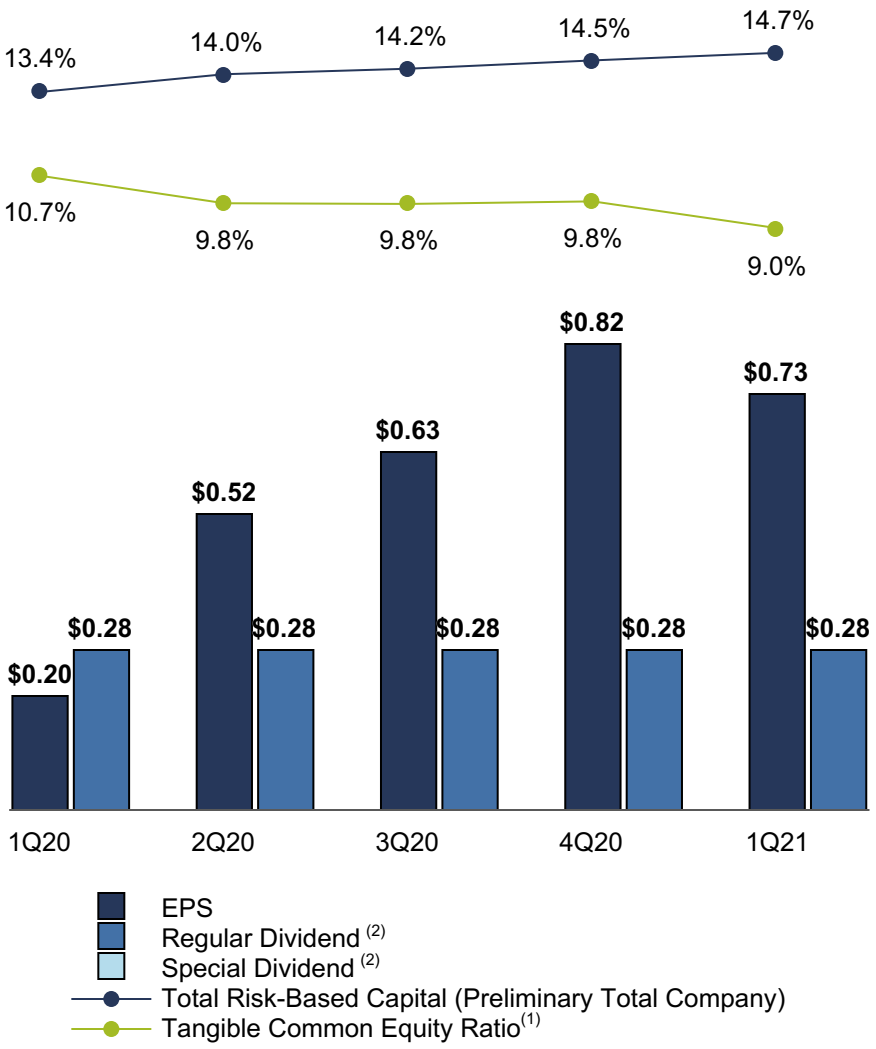
March 31, 2021

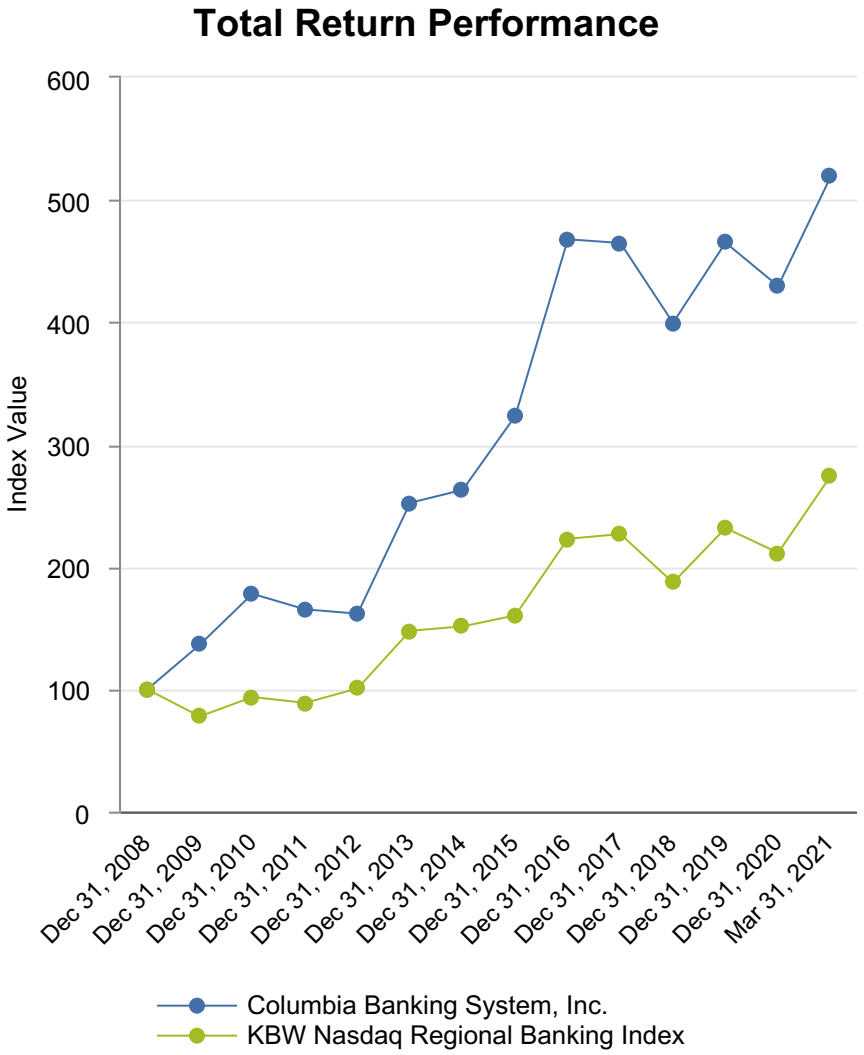
	MBS	Munis	Other Asset Backed	Agencies	Total	% of Total
AAA	$4,104	$421	$359	$282	$5,165	94 %
AA	—	308	—	—	308	6 %
A	—	15	—	—	15	— %
Nonrated	—	8	—	—	8	— %
Total	$4,104	$751	$359	$282	$5,496	100 %
Avg YTM	1.95 %	2.34 %	1.83 %	1.34 %	1.96 %	
Duration[2]	4.6	5.7	6.0	3.0	4.8	

[1] Excludes FHLB Stock and Equity Securities
[2] Duration shown in Years

Totals may not foot due to rounding

Strong Capital, Dividend Payouts & Total Return



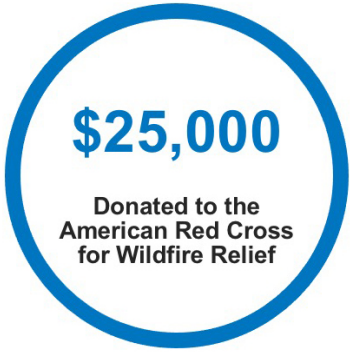


(1) Non-GAAP financial measure. Refer to end of presentation for more information.
(2) Dividends are associated with the period in which earned

On the Road to Recovery

Columbia Bank

At Columbia Bank, we are dedicated to helping our communities navigate the road to recovery during this challenging time through various 2020 initiatives.



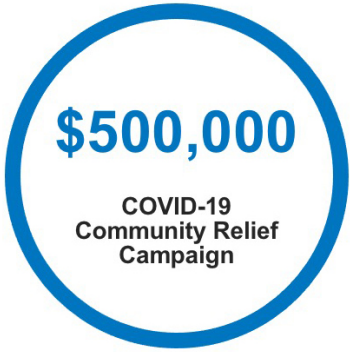
Partnered with chapters of Oregon and Washington to financially assist with wildfire relief.



Reserved funds for employees needing financial assistance caused by wildfire devastation.



In partnership with the Tacoma Urban League, Urban League of Portland, Urban League of Metropolitan Seattle and the Spokane NAACP.



Distributed to 25 organizations across the Pacific Northwest that are working to provide relief to those affected by COVID-19.



Columbia is paying small businesses to provide services for people whose lives have been adversely impacted by COVID-19 or the economic downtown it caused.



Columbia has released restrictions that will allow organizations to redirect funds towards other COVID-19 response programs.

Dedicated to Our Communities

At Columbia Bank, we **empower** employees to address the unique needs of their communities and offer support in the manner that makes the biggest difference.

Our employees are encouraged to use paid **volunteer** time each year to actively engage with the nonprofits they care about most.

With every fundraising initiative, Columbia Bank is **100% committed** to keeping every dollar raised within the community from which it originated.



Columbia – An Award-Winning Company

Columbia Bank



J.D. Power Award
Highest in Customer Satisfaction with Retail Banking in the Northwest

For J.D. Power 2020 award information, visit jdpower.com/awards



Forbes
Best Banks in America



Seattle Business Magazine
2019 Executive Excellence Award



Portland Business Journal
2019 Corporate Philanthropy Award



Puget Sound Business Journal
2019 Washington's Best Workplaces
13th consecutive year



Puget Sound Business Journal
Corporate Champion
2021 Environment Honoree



Institute of Extraordinary Banking
2019 Banky™ Award
& Money Smarts Banky™ Award



Puget Sound Business Journal
2019 Corporate Citizenship Award



South Sound Magazine
2020 Best Bank &
Best Large Business



Power 100
Puget Sound Business Journal



Oregon Association of Minority Entrepreneurs
2019 Corporate Award of the Year



Portland Business Journal
2018 Oregon's Most Admired Companies













2020 Women on Boards
2019 Winning 'W' Company

ESG Encompasses Columbia's Do RIGHT Values

Columbia Bank

When we Do RIGHT by our people and our clients, shareholders invest and communities prosper.

Environment

Climate Change

- Green bond investments **increased to $545 million** in 1Q 2021
- Placed **12th of 467 teams** in The People's Ecochallenge in 2020 to make Earth "a healthier, more equitable, more sustainable place"
- Donated computers and other devices to Interconnection in 2020, providing underserved communities with affordable technology
- Core Sustainability Team developed best practices for branches and standards of conservation
- Responded to the 2020 wildfires across Washington and Oregon by shifting operations as needed and supporting our communities and employees through the Red Cross and Columbia Cares organization
- Completed a bank-wide Environmental Sustainability baseline report including a Greenhouse Gas Inventory Assessment in 2019
- 2021 Puget Sound Business Journal Corporate Champion, **Environmental Honoree**

Stewardship

Investment

Social

Valuing our People

- Market-competitive compensation with a starting wage in all markets of **at least $15 per hour**
- Comprehensive employee benefits include up to **40 hours** of paid volunteer time for employees working at least half time

Charitable Activities

- **Donated over $3.5 million** to more than 1,100 charitable partners in 2020
- **Over $600,000** paid to 350 small businesses in 2020 to perform services for the community during COVID-19 through our "Pass It On Project." Businesses owned by women and people of color received 44% and 17% of those funds, respectively.
- Achieved a Community Reinvestment Act (CRA) rating of **Outstanding** in 2020, reflecting the Bank's community commitment
- CRA investments of **$407 million** as of year-end 2020
- **$971 million** of loans extended through Round 1 of the SBA Payroll Protection Program in 2020; $511 million in Round 2 year-to-date 2021
- **#16 SBA Lender Nationally in 2020** - only bank in the top 20 based in Washington, Oregon or Idaho
  - **#1** SBA Lender - Portland
  - **#2** SBA Lender - Seattle

Investing in our Community

Governance

Board Independence & Diversity

- **12 of 13** Board members are **independent**, including Board Chair and all committee chairs
- **46%** of Board members are women and **23%** are people of color
- Women and people of color comprise **69%** and **16%** of management roles, respectively

Structure

- Developing reporting in compliance with SASB and TCFD frameworks
- Comprehensive information security and cybersecurity oversight by the Board's Enterprise Risk Management Committee

Oversight

- ESG Oversight is a responsibility of the Board Governance and Nominating Committee

For more information, please refer to the ESG page at investors.columbiabank.com

Updated April 2021

Executive Leadership Team



Clint Stein
President
Chief Executive Officer



Kumi Yamamoto Baruffi
Executive Vice President
General Counsel



Aaron James Deer
Executive Vice President
Chief Financial Officer



David Moore Devine
Executive Vice President
Chief Marketing & Experience Officer



Lisa Dow
Executive Vice President
Chief Risk Officer



Eric Eid
Executive Vice President
Chief Digital & Technology Officer



Dave Lawson
Executive Vice President
Human Resources Director



Andy McDonald
Executive Vice President
Chief Credit Officer



Chris Merrywell
Executive Vice President
Chief Operating Officer

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instagram.com/columbiabank
youtube.com/user/columbiabanktv

Monroe Street Bridge, Spokane, Washington

Non-GAAP Financial Measures

Columbia Bank

Tangible Book Value per Common Share

$ in thousands	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 YTD
Total Shareholders' Equity	$706,878	$759,338	$764,008	$1,053,249	$1,228,175	$1,242,128	$1,251,012	$1,949,922	$2,033,649	$2,159,962	$2,347,607	$2,275,063
-Preferred Equity	—	—	—	(2,217)	(2,217)	(2,217)	(2,217)	—	—	—	—	—
Total Common Shareholders' Equity (numerator A)	706,878	759,338	764,008	1,051,032	1,225,958	1,239,911	1,248,795	1,949,922	2,033,649	2,159,962	2,347,607	2,275,063
-Goodwill	(109,639)	(115,554)	(115,554)	(343,952)	(382,537)	(382,762)	(382,762)	(765,842)	(765,842)	(765,842)	(765,842)	(765,842)
-Other Intangible Assets, net-	(18,696)	(20,166)	(15,721)	(25,852)	(30,459)	(23,577)	(17,631)	(58,173)	(45,937)	(35,458)	(26,734)	(24,810)
Tangible Common Equity (numerator B)	$578,543	$623,618	$632,733	$681,228	$812,962	$833,572	$848,402	$1,125,907	$1,221,870	$1,358,662	$1,555,031	$1,484,411
Annual Special Dividend	0	1,975	25,346	0	21,179	36,969	44,124	0	10,256	21,347	15,872	0
Cumulative Special Dividend	0	1,975	27,321	27,321	48,500	85,469	129,593	129,593	139,849	161,196	177,068	177,068
Adjusted Tangible Common Equity for Special Dividend (numerator C)	578,543	625,593	660,054	708,549	861,462	919,041	977,995	1,255,500	1,361,719	1,519,858	1,732,099	1,661,479
Common Shares Outstanding (denominator D)	39,338	39,506	39,686	51,265	57,437	57,724	58,042	73,020	73,249	72,124	71,598	71,739
Book Value per Common Share (numerator A/denominator D)	$ 17.97	$ 19.22	$ 19.25	$ 20.50	$ 21.34	$ 21.48	$ 21.52	$ 26.70	$ 27.76	$ 29.95	$ 32.79	$ 31.71
Tangible Book Value per Common Share (numerator B/ denominator D)	$ 14.71	$ 15.79	$ 15.94	$ 13.29	$ 14.15	$ 14.44	$ 14.62	$ 15.42	$ 16.68	$ 18.84	$ 21.72	$ 20.69
Adjusted Book Value per Common Share (numerator C/ denominator D)	$ 14.71	$ 15.84	$ 16.63	$ 13.82	$ 15.00	$ 15.92	$ 16.85	$ 17.19	$ 18.59	$ 21.07	$ 24.19	$ 23.16

Pre-Tax, Pre-Provision Income

$ in thousands	1Q17	2Q17	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19	3Q19	4Q19	1Q20	2Q20	3Q20	4Q20	1Q21
Income before income taxes	$ 39,773	$ 38,252	$ 59,107	$ 40,851	$ 46,785	$ 51,748	$ 57,821	$ 55,482	$ 56,656	$ 63,818	$ 63,105	$ 58,032	$ 17,858	$ 44,777	$ 54,683	$ 75,074	$ 64,401
Provision for credit losses	2,775	3,177	(648)	3,327	5,852	3,975	3,153	1,789	1,362	218	299	1,614	41,500	33,500	7,400	(4,700)	(800)
Pre-tax, pre-provision income	$ 42,548	$ 41,429	$ 58,459	$ 44,178	$ 52,637	$ 55,723	$ 60,974	$ 57,271	$ 58,018	$ 64,036	$ 63,404	$ 59,646	$ 59,358	$ 78,277	$ 62,083	$ 70,374	$ 63,601

Non-GAAP Financial Measures

Columbia Bank

NIE/Average Assets *$ in thousands*	2017	2018	2019	2020	2021	1Q20	2Q20	3Q20	4Q20	1Q21
Reported Noninterest Expense (numerator A)	$ 291,017	$ 340,490	$ 345,482	$ 334,519	$ 83,559	$ 84,271	$ 80,833	$ 85,115	$ 84,300	$ 83,559
- FDIC Clawback (Expense)/Recap[2]	54	—	—	—	—	—	—	—	—	—
- Acquisition Related Costs	(17,196)	(8,661)	—	—	—	—	—	—	—	—
- Net OREO/OPPO Exp[2]	(466)	—	—	—	—	—	—	—	—	—
- Term of FDIC Loss Sharing Agreement	(2,409)	—	—	—	—	—	—	—	—	—
Core Noninterest Exp (numerator B) [1]	$ 271,000	$ 331,829	$ 345,482	$ 334,519	$ 83,559	$ 84,271	$ 80,833	$ 85,115	$ 84,300	$ 83,559
Average Assets (denominator)	10,134,306	12,725,086	13,341,024	15,401,219	16,891,682	13,995,632	15,148,488	15,965,485	16,477,246	16,891,682
Noninterest Expense/Average Assets (numerator A/denominator) [3]	2.87 %	2.68 %	2.59 %	2.17 %	1.98 %	2.41 %	2.13 %	2.13 %	2.05 %	1.98 %
Core NIE/Average Assets (numerator B/denominator) [3]	2.67 %	2.61 %	2.59 %	2.17 %	1.98 %	2.41 %	2.13 %	2.13 %	2.05 %	1.98 %

[1] Core NIE excludes acquisition expenses and other one-time non-recurring items.
[2] Prior to January 1, 2018, core NIE excluded FDIC Clawback liability and net benefit (cost) of operation or OREO and OPPO.
[3] For the purposes of this ratio, interim core noninterest expense and core noninterest expense has been annualized.

Allowance Coverage Ratio *$ in thousands*	1Q20	2Q20	3Q20	4Q20	1Q21
Allowance for credit losses ("ACL") (numerator)	$ 122,074	$ 151,546	$ 156,968	$ 149,140	$ 148,294
Total loans (denominator A)	8,933,321	9,771,898	9,688,947	9,427,660	9,676,318
Less: PPP loans (0% Allowance)	—	941,373	953,244	651,585	894,080
Total loans, net of PPP loans (denominator B)	$8,933,321	$8,830,525	$8,735,703	$8,776,075	$8,782,238
ACL to period end loans (numerator / denominator A)	1.37 %	1.55 %	1.62 %	1.58 %	1.53 %
ACL to period end loans, excluding PPP loans (numerator / denominator B)	1.37 %	1.72 %	1.80 %	1.70 %	1.69 %

Non-GAAP Financial Measures

Columbia Bank

Net Interest Margin *$ in Thousands*	2017	2018	2019	2020	2021 YTD	1Q20	2Q20	3Q20	4Q20	1Q21
Net Interest Income (tax equivalent) (numerator A)	$380,107	$486,667	$ 501,770	$ 507,574	$ 125,889	$ 124,333	$ 123,692	$ 126,554	$ 132,995	$ 125,889
Adjustments to arrive at operating net interest income (tax equivalent):										
Incremental accretion income on acquired loans [1]	(12,796)	(12,556)	(9,086)	(6,154)	(1,055)	(1,491)	(1,675)	(1,665)	(1,323)	(1,055)
Premium amortization on acquired securities	6,636	7,736	6,020	3,409	520	1,127	975	701	606	520
Correction of immaterial error - securities premium amortization	1,771	—	—	—	—	—	—	—	—	—
Interest reversals on nonaccrual loans [2]	1,766	1,564	1,671	2,000	—	788	673	393	146	—
Operating net interest income (tax equivalent) (numerator B)	$377,484	$483,411	$500,375	$506,829	$125,354	$124,757	$123,665	$125,983	$132,424	$125,354
Average Earning Assets (denominator A)	9,098,276	11,241,321	11,837,633	13,916,611	15,419,371	12,487,550	13,657,719	14,492,435	15,010,392	15,419,371
Net Interest Margin (tax equivalent) (numerator A/denominator A)	4.18 %	4.33 %	4.24 %	3.65 %	3.31 %	4.00 %	3.64 %	3.47 %	3.52 %	3.31 %
Operating Net Interest Margin (tax equivalent) (numerator B/denominator A)	4.15 %	4.30 %	4.23 %	3.64 %	3.30 %	4.02 %	3.64 %	3.46 %	3.51 %	3.30 %
Adjustments to arrive at PPP Impact on Net Interest Margin (tax equivalent):										
PPP Interest Income	—	—	—	19,071	9,097	—	4,590	5,263	9,218	9,097
Net Interest Income (tax equivalent) excluding PPP Loans (numerator C)	$380,107	$486,667	$ 501,770	$ 488,503	$ 116,792	$ 124,333	$ 119,102	$ 121,291	$ 123,777	$ 116,792
PPP Average Balance	—	—	—	601,602	828,051	—	643,966	948,034	822,970	828,051
Interest Earning Assets excluding PPP Loans (denominator C)	9,098,276	11,241,321	11,837,633	13,315,009	14,591,320	12,487,550	13,013,753	13,544,401	14,187,422	14,591,320
Net Interest Margin (tax equivalent) excluding PPP Loans (numerator C/ denominator C)	4.18 %	4.33 %	4.24 %	3.67 %	3.25 %	4.00 %	3.68 %	3.56 %	3.47 %	3.25 %
PPP Impact on Net Interest Margin (tax equivalent)	— %	— %	— %	(0.02)%	0.06 %	— %	(0.04)%	(0.09)%	0.05 %	0.06 %

[1] Beginning January 2020, incremental accretion income on purchased credit impaired loans was no longer presented separate from incremental accretion income on other acquired loans. Prior period amounts have been reclassified to conform to current period presentation,
[2] Beginning January 2021, interest reversals on nonaccrual loans is no longer a component of this non-GAAP financial measure.

Non-GAAP Financial Measures

Columbia Bank

Operating Efficiency Ratio

$ in thousand	1Q20	2Q20	3Q20	4Q20	1Q21
Noninterest expense (numerator A)	$ 84,271	$ 80,833	$ 85,115	$ 84,300	$ 83,559
Adjustments to arrive at operating noninterest expense:					
Net benefit (cost) of operation of OREO and OPPO	(4)	200	160	(32)	73
Loss on asset disposals	(4)	(220)	—	—	(6)
Business and Occupation ("B&O") taxes	(624)	(1,244)	(1,559)	(1,543)	(1,259)
Operating noninterest expense (numerator B)	$ 83,639	$ 79,569	$ 83,716	$ 82,725	$ 82,367
Net interest income (tax equivalent) [1]	$ 124,333	$ 123,692	$ 126,554	$ 132,995	$ 125,889
Noninterest income	21,207	37,259	22,472	23,562	23,166
Bank owned life insurance tax equivalent adjustment	424	430	422	430	415
Total revenue (tax equivalent) (denominator A)	$ 145,964	$ 161,381	$ 149,448	$ 156,987	$ 149,470
Operating net interest income (tax equivalent)[1]	$ 124,757	$ 123,665	$ 125,983	$ 132,424	$ 125,354
Adjustments to arrive at operating noninterest income (tax equivalent):					
Investment securities gain, net	(249)	(16,425)	—	(36)	—
Gain on asset disposals	(21)	(26)	(247)	(381)	—
Operating noninterest income (tax equivalent)	$ 21,361	$ 21,238	$ 22,647	$ 23,575	$ 23,581
Total operating revenue (tax equivalent) (denominator B)	$ 146,118	$ 144,903	$ 148,630	$ 155,999	$ 148,935
Efficiency ratio (tax equivalent) (numerator A/denominator A)	57.73 %	50.09 %	56.95 %	53.70 %	55.90 %
Operating efficiency ratio (tax equivalent) (numerator B/denominator B)	57.24 %	54.91 %	56.33 %	53.03 %	55.30 %

Tangible Common Equity

$ in thousands	1Q20	2Q20	3Q20	4Q20	1Q21
Total Shareholders' Equity (numerator A)	$2,213,602	$2,276,755	$2,301,981	$2,347,607	$2,275,063
-Goodwill	(765,842)	(765,842)	(765,842)	(765,842)	(765,842)
- Other Intangible Assets, net	(33,148)	(30,938)	(28,745)	(26,734)	(24,810)
Tangible Common Equity (numerator B)	$1,414,612	$1,479,975	$1,507,394	$1,555,031	$1,484,411
Total Assets (denominator A)	14,038,503	15,920,944	16,233,424	16,584,779	17,335,116
-Goodwill	(765,842)	(765,842)	(765,842)	(765,842)	(765,842)
- Other Intangible Assets, net	(33,148)	(30,938)	(28,745)	(26,734)	(24,810)
Tangible Assets (denominator B)	$13,239,513	$15,124,164	$15,438,837	$15,792,203	$16,544,464
Shareholders' Equity to Total Assets (numerator A/denominator A)	15.77 %	14.30 %	14.18 %	14.16 %	13.12 %
Tangible Common Shareholders' Equity to Tangible Assets (numerator B/denominator B)	10.68 %	9.79 %	9.76 %	9.847 %	8.97 %
Common Shares Outstanding (denominator C)	71,575	71,586	71,613	71,598	71,739
Book Value per Common Share (numerator A/denominator C)	$ 30.93	$ 31.80	$ 32.14	$ 32.79	$ 31.71
Tangible Book Value per Common Share (numerator B/denominator C)	$ 19.76	$ 20.67	$ 21.05	$ 21.72	$ 20.69

ROATCE

$ in thousands	1Q20	2Q20	3Q20	4Q20	1Q21
Net Inc Applicable to Common Shareholders (numerator A)	$ 14,628	$ 36,582	$ 44,734	$ 58,300	$ 51,853
+ Amortization of Intangibles	2,310	2,210	2,193	2,011	1,924
- Tax Effect on Intangible Amort	(485)	(464)	(461)	(422)	(404)
Tangible Income Applicable to Common Shareholders (numerator B)	$ 16,453	$ 38,328	$ 46,466	$ 59,889	$ 53,373
Avg Shareholders' Equity (denominator A)	$2,193,051	$2,254,349	$2,293,771	$2,311,070	$2,346,593
- Average Intangibles	(800,079)	(797,855)	(795,650)	(793,510)	(791,714)
Adjusted Avg Common Shareholders' Equity (denominator B)	$1,392,972	$1,456,494	$1,498,121	$1,517,560	$1,554,879
Return on Avg Common Equity (numerator A/denominator A) [2]	2.67 %	6.49 %	7.80 %	10.09 %	8.84 %
Return on Average Tangible Common Shareholders' Equity (numerator B/ denominator B) [3]	4.72 %	10.53 %	12.41 %	15.79 %	13.73 %

[1] Tax-exempt interest income has been adjusted to a tax equivalent basis.
[2] For purposes of this ratio, interim net income has been annualized.
[3] For purposes of this ratio, interim tangible income applicable to common shareholders has been annualized.