## s等务 LiveOak

## THIRD QUARTER 2020

October 22, 2020


## FORWARD LOOKING STATEMENTS





 expressed or forecasted in the forward-looking statements. These risks, uncertainties and assumptions include, without limitation:
 condition;
 Preferred Lender;
-changes in rules, regulations or procedures for other government loan programs, including those of the United States Department of Agriculture;
-changes in interest rates that affect the level and composition of deposits, loan demand and the values of loan collateral, securities, and interest sensitive assets and liabilities
the failure of assumptions underlying the establishment of reserves for possible loan and lease losses;
-changes in loan underwriting, credit review or loss reserve policies associated with economic conditions, examination conclusions, or regulatory developments;
 destabilizing and negative effect on financial markets, economic activity and customer behavior;
 breach of our operational or security systems or those of its third party service providers;
 services, commercial and residential real estate development and prices, premiums paid in the secondary market for the sale of loans, and valuation of servicing rights;
-changes in accounting principles, policies, and guidelines applicable to bank holding companies and banking;
-fluctuations in markets for equity, fixed-income, commercial paper and other securities, which could affect availability, market liquidity levels, and pricing;

 mail, telephone and the Internet;
-our ability to attract and retain key personnel
changes in governmental monetary and fiscal policies as well as other legislative and regulatory changes, including with respect to SBA or USDA lending programs and investment tax credits; changes in political and economic conditions;
-the impact of heightened regulatory scrutiny of financial products and services, primarily led by the Consumer Financial Protection Bureau and various state agencies;
-our ability to comply with any requirements imposed on us by our regulators, and the potential negative consequences that may result;
 will be used, that could prevent or delay closing and funding loans before they can be sold in the secondary market;
the effect of any mergers, acquisitions or other transactions, to which we may from time to time be a party, including management's ability to successfully integrate any businesses that we acquire;
-other risk factors listed from time to time in reports that we file with the SEC, including in our Annual Report on Form 10-K; and
-other risk factors listed from time to time in reports that we fil


 interpretations; or (iii) any change in current dividend or repurchase strategies, in each case after the date as of which such statements are made.

## Agenda

It Starts and Ends with Safety and Soundness, like always Right Place, Right Time \& Right Business Model

Giant Leap Towards Sustained Profitability
Technology Wins Continue

## CREDIT \& FAIR VALUE METRICS

| Ratios $^{1}$ | $12 / 31 / 2019$ | $3 / 31 / 2020$ | $06 / 30 / 2020$ | $09 / 30 / 2020$ |
| :--- | :---: | :---: | :---: | :---: |
| Past Due > 30 Days $^{2}$ | $0.44 \%$ | $0.54 \%$ | $0.00 \%$ | $0.00 \%$ |
| Watchlist Loans and Leases $^{3}$ | $6.28 \%$ | $6.45 \%$ | $6.46 \%$ | $7.97 \%$ |
| Classified Assets $^{4}$ | $1.85 \%$ | $1.88 \%$ | $1.66 \%$ | $2.32 \%$ |
| Non-Accruals $^{5}$ | $0.86 \%$ | $1.06 \%$ | $1.00 \%$ | $1.30 \%$ |
| Net Charge Off (Annualized) $_{\text {ACL }^{6} \text { \& FV Mark }}$ on HFI Unguaranteed | $0.13 \%$ | $0.58 \%$ | $0.21 \%$ | $1.03 \%$ |
| $\quad$ Loans and Leases | $\$ 44.4$ | $\$ 61.3$ | $\$ 67.2$ | $\$ 61.8$ |


| (s in milions) |  |
| :---: | :---: |
| Tier 1 Capital (a) | \$532.2 |
| ACL and FV Mark on HFI Loans and Leases (b) | \$61.8 |
| Total HFI Unguaranteed Loans and Leases ${ }^{8}{ }_{(c)}$ | \$2,328.1 |
| Ratio (a+b)/c | 25.5\% |
| Ratio b/c | 2.7\% |
| Classified HFI Unguaranteed Loans \& Leases to |  |
| Tier 1 Capital plus ACL \& FV Mark on HFI Unguaranteed HFI Loans and Leases | 9.1\% |

1. All ratios use Total HFI Unguaranteed Loan and Leases (see footnote 8) as the denominator, except for net charge-offs
2. Past due loans and leases include only loans and leases on accrual status at amortized cost
3. Watchlist loans and leases include HFI unguaranteed loans and leases at amortized cost (inclusive of loans and leases at fair value and historical cost) categorized as Risk Grade 5 and 6
4. Classified assets include Risk Grade 6 and higher HFI unguaranteed loans and leases at amortized cost (inclusive of loans and leases at fair value and historical cost)
5. Nonaccrual loans include HFI unguaranteed balance of non-accrual loans and leases at amortized cost ((inclusive of loans and leases at fair value and historical cost)
6. Allowance for credit losses on HFI unguaranteed loans and leases carried at historical cost
7. Fair value mark on HFI unguaranteed loans measured at fair value
8. Represents total HFI unguaranteed loans and leases at amortized cost (inclusive of loans and leases at fair value and historical cost)

## ACTIVE PORTFOLIO MANAGEMENT



Servicing Status: At Risk Verticals


## Servicing Status Definition

 High- Significant business disruption
- 3-month deferral has been requested

Medium

- Business is open with limited to no constraints
- Cash reserves are adequate for obligations (13week projection)
Low
- Business operating as expected
- Trends are favorable


## LOAN \& LEASE PORTFOLIO CHARACTERISTICS

|  | millions | HFS \& HFI <br> Unguaranteed ${ }^{1}$ | \% of Total HFS and HFI <br> Unguaranteed | 30-89 Past Due and Accruing \% | Criticized and Classified ${ }^{2}$ \% | Non-Accrual \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Agriculture | \$274.8 | 11.5\% | 0.0\% | 3.4\% | 1.4\% |
|  | Healthcare | 263.5 | 11.1\% | 0.0\% | 10.7\% | 2.1\% |
|  | Veterinary | 177.0 | 7.4\% | 0.0\% | 6.7\% | 0.4\% |
|  | Self Storage | 151.8 | 6.4\% | 0.0\% | 4.0\% | 1.0\% |
|  | General Lending Solutions | 133.4 | 5.6\% | 0.0\% | 5.1\% | 0.2\% |
|  | Hotels | \$129.1 | 5.4\% | 0.0\% | 26.1\% | 9.1\% |
|  | Wine \& Craft Beverage | 98.8 | 4.1\% | 0.0\% | 14.5\% | 1.4\% |
|  | Educational Services | 88.8 | 3.7\% | 0.0\% | 9.5\% | 0.0\% |
|  | Entertainment Centers | 55.3 | 2.3\% | 0.0\% | 57.3\% | 17.3\% |
|  | Fitness Centers | 25.6 | 1.1\% | 0.0\% | 38.8\% | 0.0\% |
|  | Quick Service Restaurants | 16.8 | 0.7\% | 0.0\% | 4.3\% | 0.0\% |
|  | Other Loans \& Leases | \$971.2 | 40.7\% | 0.0\% | 3.7\% | 0.2\% |
|  | Total Loans and Leases | \$2,386.0 | 100.0\% | 0.0\% | 8.3\% | 1.5\% |

[^0]2. Criticized and Classified loans and leases are risk grade 5 and higher

## CREDIT RESERVES \& FAIR VALUE MARK

| \$ in millions $\quad$ Vertical |  | HFI | Total ACL ${ }^{3}$ \& | Total ACL \& FV Mark/Total HFI | \% on Payment | \% Receiving |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Unguaranteed ${ }^{1}$ | FV Mark ${ }^{4}$ | Unguaranteed ${ }^{1}$ | Deferral ${ }^{5}$ | Subsidy ${ }^{2,5}$ |
|  | Agriculture | \$274.8 | \$5.7 | 2.1\% | 0.0\% | 77.8\% |
|  | Healthcare | 263.5 | 4.9 | 1.9\% | 0.1\% | 80.1\% |
|  | Veterinary | 177.0 | 2.5 | 1.4\% | 0.8\% | 71.3\% |
|  | Self Storage | 151.8 | 1.3 | 0.9\% | 0.2\% | 76.7\% |
|  | General Lending Solutions | 133.4 | 7.9 | 5.9\% | 2.0\% | 58.2\% |
|  | Hotels | \$104.9 | \$10.7 | 10.2\% | 11.7\% | 78.5\% |
|  | Wine \& Craft Beverage | 98.8 | 3.9 | 3.9\% | 2.5\% | 72.5\% |
|  | Educational Services | 88.8 | 2.8 | 3.1\% | 3.5\% | 75.2\% |
|  | Entertainment Centers | 55.3 | 4.4 | 8.0\% | 8.0\% | 63.9\% |
|  | Fitness Centers | 25.6 | 1.8 | 7.1\% | 15.5\% | 48.8\% |
|  | Quick Service Restaurants | 16.8 | 0.6 | 3.4\% | 0.0\% | 71.1\% |
|  | Other Loans \& Leases | \$937.4 | \$15.4 | 1.6\% | 0.2\% | 61.9\% |
|  | Total Loans and Leases | \$2,328.1 | \$61.8 | 2.7\% | 1.5\% | 69.9\% |

[^1]
## HOTEL PORTFOLIO

# 39 <br> Properties <br> \$129 

59\%
Occupancy
$\$ 116$
ADR $^{3}$

\$74
RevPAR ${ }^{4}$


Risk Grade


| Q3 Hotel Loan Sales |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| (\$ in millions) |  |  | ment ${ }^{1}$ | Quantity |
| Loans reclassified from held for investment to held for sale ("HFS") |  | \$ | 81.2 | 15 |
| Less: lower of cost or market charge-offs upon transfer to HFS |  |  |  |  |
| Portion related to loans sold prior to quarter end | (5.2) |  |  |  |
| Portion related to loans held for sale | (4.7) |  |  |  |
|  | (9.8) |  | (9.8) |  |
| Less: sale proceeds for loans HFS |  |  | (45.7) | (10) |
| Hotel loans held for sale at September 30, 2020 |  |  | 25.7 | 5 |

1. Net investment is the sum of principal balance, accrued interest, and net deferred costs (fees)
2. At amortized cost
. Average Daily Rate
3. Revenue per Available Room
4. Total HFS \& HFI unguaranteed balance at amortized cost (inclusive of loans \& leases at fair value and historical cost) ©2020 Live Oak Bancshares. All rights reserved

| 10 Largest Exposures |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | ---: |
| Unguaranteed |  |  |  |  |  |  |
| Loan | Loan Balance ${ }^{2}$ | Type | Product | Risk <br> Grade | Servicing <br> Status | LTV |
| 1 | $\$ 7.2$ | Full Service | Conventional | 4 | Medium | 65.1 |
| 2 | 6.1 | Extended Stay | 504 | 6 | High | 21.5 |
| 3 | 5.8 | Extended Stay | 504 | 5 | High | 29.7 |
| 4 | 5.6 | Full Service | USDA | 4 | Medium | 64.7 |
| 5 | 5.2 | Limited Service | 504 | 4 | Medium | 23.5 |
| 6 | 5.1 | Extended Stay | 504 | 5 | Medium | 29.6 |
| 7 | 5.0 | Extended Stay | Conventional | 4 | Low | 39.8 |
| 8 | 5.0 | Extended Stay | Pari Passu | 4 | Medium | 23.9 |
| 9 | 5.0 | Extended Stay | Conventional | 4 | Medium | 48.8 |
| 10 | 4.9 | Extended Stay | 504 | 4 | Medium | 41.4 |
| Total | $\$ 54.9$ |  |  |  |  |  |

## DIVERSE CREDIT PORTFOLIO

Average Loan Unguaranteed Exposure by State


## LOAN \& LEASE ORIGINATIONS



[^2]
## Q3 DIVERSIFIED LOAN \& LEASE ORIGINATIONS

Q3 Loan \& Lease Originations: Total Unguaranteed Balance by State
\$3M

BANCSHARES
$\$ 447.9$

$\square \$ 61$

# Q3 DIVERSIFIED LOAN \& LEASE ORIGINATIONS 

Loan \& Lease Originations

| Vertical (in \$millions) | Total | Guaranteed | Unguaranteed |
| :--- | :---: | :---: | :---: |
| General Lending Solutions | $\$ 163$ | $\$ 103$ | $\$ 60$ |
| Sponsor Finance | 65 | 34 | 31 |
| Self Storage | 57 | 37 | 20 |
| Solar Energy | 50 | 11 | 39 |
| Auto Care | 50 | 34 | 16 |
| Investment Advisors | 49 | 34 | 15 |
| Senior Care | 47 | 19 | 28 |
| BioEnergy | 42 | - | 42 |
| Community Facilities | 41 | 14 | 27 |
| Educational Services | 39 | 19 | 20 |
| Healthcare | 38 | 26 | 12 |
| Insurance | 36 | 26 | 10 |
| Agriculture | 32 | 3 | 29 |
| Pharmacy | 32 | 24 | 8 |
| Funeral Home \& Cemetary | 30 | 22 | 8 |
| Government Contracting | 24 | 7 | 17 |

Loan \& Lease Originations

| Vertical (in \$millions) | Total |  | Guaranteed |
| :--- | :---: | :---: | ---: |
| Urofessional Services | $\$ 20$ | $\$ 14$ | $\$ 6$ |
| Paycheck Protection Program | 18 | 18 | - |
| Veterinary | 17 | 12 | 5 |
| Broadband | 16 | 11 | 5 |
| Quick Service Restaurants | 13 | 8 | 5 |
| Small Business Solar | 13 | 2 | 11 |
| Wine \& Craft Beverage | 13 | 5 | 8 |
| General Franchises | 13 | 8 | 5 |
| Auto Dealerships | 11 | 5 | 6 |
| Fitness Centers | 11 | 9 | 2 |
| Conventional Financing | 8 | 2 | 6 |
| Restoration | 8 | 6 | 2 |
| Service Contractors | 4 | 3 | 1 |
| Hotels | 4 | 3 | 1 |
| Venture Banking | 2 | - | 2 |
| Other | 1 | - | 1 |

\$966.5
million
Total Originations
\$518.6
million
Guaranteed
\$447.9
million Unguaranteed

## GENERAL LENDING \& <br> SPONSOR FRANCHISE

BANCSHARES


Portfolio HFS \& HFI
Unguaranteed Balance
\$233
million

Portfolio HFS \& HFI Guaranteed Balance
\$221
million


## RIGHT PLACE, RIGHT TIME, RIGHT MODEL

## SBA 7(a) Program Top 10 Lenders ${ }^{1}$

| FY 2018 Lender (\$ in millions) | Approval Amount | FY 2019 Lender (\$ in millions) | Approval Amount | FY 2020 Lender (\$ in millions) | Approval Amount |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Live Oak Banking Company | \$1,269 | Live Oak Banking Company | \$1,347 | Live Oak Banking Company | \$1,491 |
| Wells Fargo Bank | \$1,198 | Wells Fargo Bank | \$786 | Byline Bank | \$633 |
| The Huntington National Bank | \$826 | The Huntington National Bank | \$640 | Wells Fargo Bank | \$547 |
| JPMorgan Chase Bank | \$605 | Newtek Small Business Finance | \$618 | Celtic Bank Corporation | \$539 |
| Newtek Small Business Finance | \$559 | Byline Bank | \$525 | The Huntington National Bank | \$493 |
| Byline Bank | \$514 | Celtic Bank Corporation | \$500 | Newtek Small Business Finance | \$336 |
| Celtic Bank Corporation | \$421 | JPMorgan Chase Bank | \$472 | KeyBank National Association | \$316 |
| Compass Bank | \$358 | U.S. Bank | \$424 | Seacoast Commerce Bank | \$316 |
| U.S. Bank | \$351 | First Home Bank | \$369 | U.S. Bank | \$312 |
| First Bank | \$343 | Seacoast Commerce Bank | \$321 | Harvest Small Business Finance | \$309 |

\$25.37 billion<br>FY 2018 Gross Approvals

## \$23.18 billion <br> FY 2019 Gross Approvals

\$22.55 billion FY 2020 Gross Approvals

| (\$ in billions) | Q3 2019 | Q4 2019 | Q1 2020 | Q2 2020 | Q3 2020 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| SBA 7(a) Program Gross Loan Approvals ${ }^{1}$ | $\$ 6.17$ | $\$ 5.50$ | $\$ 4.59$ | $\$ 4.66$ | $\$ 7.80$ |

## GROWTH IN EARNINGS \& ASSETS



## Q3 TECHNOLOGY INVESTING ACTIVITY

## GreenligHT Series $C$ investment results in $\$ 13.7$ million gain for Live Oak Bancshares

(H)DefenseStorm

| OC A N A P I | Q3 2020 Investments |  |
| :---: | :--- | :--- |
| Investments | Alloy | Leading \$40M Series B |
| Impact LOB Shareholders | Blend | Greenlight |

Q3 2020 Investments
Series B investment results in $\$ 862$ thousand gain for Live Oak Bancshares

$$
\text { A P\|TURE } \quad \begin{aligned}
& \text { Investment results in } \$ 621 \text { thousand gain for Live } \\
& \text { Oak Bancshares }
\end{aligned}
$$

Impact LOB Shareholders

## TECHNOLOGY INVESTMENTS



| Live Oak Cash Investment ${ }^{1}$ | \$7.8 <br> million | $\begin{aligned} & \$ 2.1 \\ & \text { million } \end{aligned}$ | $\begin{aligned} & \$ 2.2 \\ & \text { million } \end{aligned}$ | $\$ 1.5$ million | $\begin{gathered} \$ 5.0 \\ \text { million } \end{gathered}$ | $\$ 0.0$ <br> million |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Live Oak Carrying Value | $\$ 2.2$ million | $\begin{aligned} & \$ 0.0 \\ & \text { million } \end{aligned}$ | $\begin{gathered} \$ 2.9 \\ \text { million } \end{gathered}$ | $\$ 1.5$ million | \$22.4 million | \$61.2 <br> million |
| Estimated Implied Value of Shares Owned by Live Oak | $\begin{aligned} & \$ 28.9 \\ & \text { million } \end{aligned}$ | $\begin{aligned} & \$ 13.9 \\ & \text { million } \end{aligned}$ | $\$ 4.4$ million | $\begin{gathered} \$ 1.4 \\ \text { million } \end{gathered}$ | $\$ 38.2$ million | $\$ 68.1$ <br> million |
|  | \$18.6 <br> million Investment ${ }^{1}$ |  | 0.2 <br> ion arrying ue |  | d lue | \$64.7 <br> million Difference |

[^3]
## PERFORMANCE

## OUR FOCUS

KEEPING OUR
CUSTOMERS CLOSE
SAFETY \& WELL-BEING
OF OUR EMPLOYEES \&
COMMUNITIES

## Q3 BALANCE SHEET HIGHLIGHTS

|  | Q3 | Q2 | Q3 | Change from <br> Crior Quarter | Q3 2020 Notes |
| :--- | :---: | :---: | :---: | :---: | :--- |

[^4]
## Q3 INCOME STATEMENT HIGHLIGHTS

|  | Q3 | Q2 | Q3 | Change from | Q3 2020 Notes |
| :--- | :---: | :---: | :---: | :---: | :--- |
| Sin millions | $\mathbf{2 0 1 9}$ | $\mathbf{2 0 2 0}$ | $\mathbf{2 0 2 0}$ | Prior Quarter |  | Q

## PPP IMPACT

## (\$ in millions)

Total Assets, as reported

| Q2 2020 | Q3 2020 |
| :---: | ---: |
| $\$ 8,209.2$ | $\$ 8,093.4$ |
| $2,625.5$ | $2,218.8$ |
| $\mathbf{5 , 5 8 3 . 6}$ | $\mathbf{5 , 8 7 4 . 6}$ |

Total Assets, as adjusted to exclude PPP Activities
5,583.6
5,874.6
\$42.9 million net deferred fees on balance sheet at September 30, 2020

| (\$ in millions) | Q2 2020 | Q3 2020 |
| :---: | :---: | :---: |
| Interest Income and Fees on Loans, as reported | \$62.0 | \$70.6 |
| Less Amortization of Net Deferred Fees on PPP Loans | 5.4 | 9.2 |
| Less Interest Income on PPP Loans | 3.3 | 4.4 |
| Interest Income \& Amortization of Net Deferred Fees on Loans (excluding PPP) | 53.3 | 57.0 |
| Interest Income \& Amortization of Net Deferred Fees on PPP Loans Less Interest Expense on Excess Funding Activity to | \$8.7 | \$13.6 |
| Support PPP Activities and COVID-19 Liquidity Safeguarding | 3.7 | 0.7 |
| Net Interest Income \& Amortization of Net Deferred Fees on PPP Loans | 5.0 | 12.9 |

## NON-GAAP PRE-TAX <br> PRE-PROVISION INCOME

(\$ in thousands)
Income (loss) before taxes ${ }^{(1)}$
Add:
Provision for loan and lease credit losses ${ }^{(1)}$
Fair value adjustments
Loan servicing asset revaluation ${ }^{(1)}$
Exchange-traded interest rate futures contracts (gain) loss ${ }^{(2)}$
Net (gain) loss on loans accounted for under the fair value option ${ }^{(1)}$
Other losses (gains) on valuation adjustments ${ }^{(3)}$
Total fair value adjustments
Noninterest expense adjustments ${ }^{(4)}$
FinTech activities ${ }^{(5)}$
Non-GAAP pre-tax pre-provision income
Adjustment for PPP Activities
Loan interest income
Loan deferred fees \& costs amortized into interest income, net
Sales revenue from co-developed processing technology
Performance bonus
Deferred salary expense
Total adjustments for PPP activities
Non-GAAP pre-tax pre-provision income adjusted for PPP activities

## 1. As reported

2. Included as a component of the net gain on sales of loans, as reported
3. Includes valuation gains and losses related to equity security investments, equity warrant assets, and foreclosed assets
4. Impairment on aircraft classified as held for sale in Q3 2020
5. See Appendix

## FRANCHISE FUNDAMENTALS

## 25.6\%

Net Interest Income Q2 2020 vs Q3 2020

## 11.3\%

million
Noninterest Expense
Q2 2020 vs Q3 2020
2.1x

Guaranteed Loans
Eligible for Sale Q3 2020 vs. Q3 2019

## \$949

million
Loan \& Lease
Originations Q3 2020 Excluding PPP

## Q3 LOAN \& LEASE ORIGINATIONS




Originations by Year Vertical Started
(\$ in millions)

| $2008-2014$ | $\$ 199.7$ |
| :--- | :--- |
| $2015-2016$ | $\$ 183.3$ |
| $2017-2020$ | $\$ 583.5$ |

At Risk Vertical Originations
(\$ in millions)
Entertainment Centers \$0.2
Hotels \$3.6
Fitness Centers \$11.4
Wine \& Craft Beverage \$12.7
Quick Service Restaurants \$13.0
Education Services \$38.8

## GUARANTEED LOAN SALES



For the nine months ended September 30, 2020
\$432.0
million
Guaranteed Loans Sold
\$1.33
billion
Guaranteed Loans Became
Eligible for Sale
67.5\%

Retention

## EXPENSE DISCIPLINE

Noninterest Expense
Salaries \& Benefits ${ }^{\text {Noninterest Expense }}$


## HIGHLY EFFICIENT RETAIL ONLINE DEPOSIT MODEL


$\left.\begin{array}{cc}\text { \$4.04 } \\ \text { billion } \\ \text { Retail Deposits } \\ \text { As of September 30, 2020 }\end{array} \quad \begin{array}{c}\mathbf{6 0 . 1} \\ \text { thousand } \\ \text { Open Accounts } \\ \text { As of September 30, 2020 }\end{array}\right]$

## DEPOSIT RATES \& MATURITIES

Retail \& Brokered Maturities - Q4 2020 to Q3 2021


## Last 9 months: Deposit Repricing

- Consumer Savings rate reduced by 115 bps to $\mathbf{0 . 7 0 \%}{ }^{1}$
- 12-month CD (comprising 60\% of the Retail CD portfolio balance) rate offering reduced by 155 bps to $0.60 \%{ }^{1}$

Through Q3 2021: Deposit Maturities (\$ in millions)

- Retail CD Portfolio: $\$ 1,813$ average maturing rate of $1.97 \%$

Brokered Portfolio: $\$ 913$ average maturing rate of $1.13 \%^{2}$
( in millions)
Retail CDs
Maturing Balance
Nt Avg Maturing Rate
Expected Annualized Interest Expense Reduction at Renewal

## Brokered CDs

Maturing Balance
Wt Avg Maturing Rate Expected Annualized Interest Expense Reduction at $\$ \quad$ (1) $\$ \quad$ (1) $\$ \quad$ (1) $\$ \quad$ (1) $\$ \quad$ (4)

| Q4 2020 | Q1 2021 | Q2 2021 | Q3 2021 | Total |
| :--- | :--- | :--- | :--- | :--- |

$$
\begin{array}{rrrrrrr}
\text { \$ } & 322 & \$ 774 & \$ 527 & \text { \$ } & 190 & \text { \$ } \\
2.18 \% & 2.11 \% & & 1.78 \% & & 1.59 \% & \\
2.97 \%
\end{array}
$$

[^5]2. Includes $\$ 500$ million of Promontory ICS One-Way Buy. $\$ 250$ million matures October 2020 and $\$ 250$ million matures April 2021
3. Renewal rates as of October 21, 2020. Assumes maturing CDs renew into same term or are replaced by new accounts within same term. No change to overall term mix

Assumes weighted average renewal rate of $0.61 \%$
4. Replacement rates on brokered CDs based on average of 1 yr to 10 yr funding, based on market rates as of October 19, 2020. Assumes weighted average renewal rate of $0.64 \%$

## NIM EXPANSION \& LIQUIDITY DEPLOYMENT



1. Q2 2020 and Q3 2020 Core NIM and Adjusted Average Quarterly Liquidity Ratio removes $\$ 1.7$ billion PPP/PPPLF impacts. Adjusted Average Quarterly Liquidity is assumed to hold constant to Q1 2020
2. Net spread for Q2 2020 and Q3 2020 excludes $\$ 1.7$ billion PPP loans earning $1.00 \%$
3. Net spread for Q2 2020 and Q3 2020 excludes $\$ 1.7$ billion PPP loans earning $1.00 \%$
4. Net Spread is defined as average yield on interest-earning loans less average cost of funds on interest-bearing deposits

## CAPITAL \& LIQUIDITY

## \$1.41 <br> billion <br> Cash \& Investments

## \$2.13

## 55.5\%

Cash, Investments,
Government Guaranteed
Loans (excl. PPP) ${ }^{4}$
to Total Assets (excl. PPP) ${ }^{4}$

\author{

## billion

 <br> Government Guaranteed Loans (excl. PPP) ${ }^{1}$}

## 13.1\%

CET1 Capital Ratio
billion
Eligible for Sale
Government Guaranteed Loans



Liquidity Ratio ${ }^{3}$

[^6]
## PORTFOLIO DIVERSIFICATION

## $\$ 6.28$ billion

Portfolio Balance ${ }^{1}$
Growth through Diversification
62.0\%

Guaranteed Portfolio Percentage ${ }^{3}$
$\$ 3.89$ billion $^{2}$

## $\$ 5.36$ billion

SBA Guaranteed ${ }^{2}$ \& Unguaranteed ${ }^{4}$

```
SBA 504-$103M }\mp@subsup{}{}{5
USDA - $213M}\mp@subsup{}{}{6
Leases - $11M OTHER - $598M
```


## TIER 1 LEVERAGE IMPROVEMENT

## Tier 1 Leverage Ratio-Q1 2020 to Q3 2020, as reported



1. Average PPP loan balance exclusion from capital ratios dependent on average balance pledged to Federal Reserve's Payroll Protection Program Liquidity Facility. The Bank's average PPPLF balance in Q2 2020 was $\$ 644$ million and the Bank's average balance in Q3 2020 was $\$ 1.73$ billion
2. Estimated excess liquidity

## HIGH PERFORMING BANK METRICS



| Q2 2020 | Trend |
| :---: | :---: |
| $\$ 8.21 \mathrm{~B}$ | $=$ |
| $2.56 \%$ | $\Psi$ |
| $35.4 \%$ | $=$ |
| $76.9 \%$ | $\Psi$ |
| $0.22 \%$ | $\Psi$ |
| $2.68 \%$ | $\Psi$ |
| $7.96 \%$ | $\Psi$ |

## NEW DEPOSIT PLATFORM UPDATE


$\underset{\substack{\text { million } \\ \text { Account Balance }}}{\$ 12.1}$

FinTech Activities Impact on Consolidated Financials (\$ in thousands)

Actuals for the quarter ended September 30, 2020 Net interest income
Provision for credit losses
Noninterest income (loss)
Noninterest expense
Income (loss) before income tax expense
Actuals for the quarter ended June 30, 2020 Net interest income
Provision for credit losses
Noninterest income (loss)
Noninterest expense
Income (loss) before income tax expense
Actuals for the quarter ended March 31, 2020
Net interest income
Provision for credit losses
Noninterest income (loss)
Noninterest expense
Income (loss) before income tax expense
Actuals for the quarter ended December 31, 2019 Net interest income
Provision for credit losses
Noninterest income (loss)
Noninterest expense
Income (loss) before income tax expense
Actuals for the quarter ended September 30, 2019
Net interest income
Provision for credit losses
Noninterest income
Noninterest expense
Income (loss) before income tax expense

| Banking Activities |  | Apiture | Live Oak Ventures |  | Canapi <br> Advisors |  | FinTech Activities |  | Consolidated, as reported |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$ | 51,363 | \$ | \$ | - | \$ | - | \$ | - | \$ | 51,363 |
|  | 10,274 | - |  | - |  | - |  | - |  | 10,274 |
|  | 32,345 | (902) |  | 14,306 |  | 1,295 |  | 14,699 |  | 47,044 |
|  | 41,537 | - |  | 53 |  | 1,060 |  | 1,113 |  | 42,650 |
| \$ | 31,897 | \$ (902) | \$ | 14,253 | \$ | 235 | \$ | 13,586 | \$ | 45,483 |
| \$ | 40,898 | \$ | \$ | - | \$ | - | \$ | - | \$ | 40,898 |
|  | 9,958 |  |  | - |  | - |  | - |  | 9,958 |
|  | 23,346 | $(1,276)$ |  | (865) |  | 1,206 |  | (935) |  | 22,411 |
|  | 46,732 | - |  | 54 |  | 1,314 |  | 1,368 |  | 48,100 |
| \$ | 7,554 | \$ $(1,276)$ | \$ | (919) | \$ | (108) | \$ | $(2,303)$ | \$ | 5,251 |
| \$ | 40,161 | \$ | \$ | - | \$ | - | \$ | - | \$ | 40,161 |
|  | 11,792 | - |  | - |  | - |  |  |  | 11,792 |
|  | 6,622 | $(1,352)$ |  | $(1,172)$ |  | 1,644 |  | (880) |  | 5,742 |
|  | 48,001 | - |  | 59 |  | 1,431 |  | 1,490 |  | 49,491 |
| \$ | $(13,010)$ | \$ $(1,352)$ | \$ | $(1,231)$ | \$ | 213 | \$ | $(2,370)$ | \$ | $(15,380)$ |
| \$ | 38,011 | \$ | \$ | - | \$ | - | \$ | - | \$ | 38,011 |
|  | 4,809 | - |  | - |  | - |  | - |  | 4,809 |
|  | 20,327 | (712) |  | $(1,045)$ |  | 1,555 |  | (202) |  | 20,125 |
|  | 42,851 | - |  | 87 |  | 1,472 |  | 1,559 |  | 44,410 |
| \$ | 10,678 | \$ (712) | \$ | $(1,132)$ | \$ | 83 | \$ | $(1,761)$ | \$ | 8,917 |
| \$ | 37,507 | \$ | \$ | 24 | \$ | - | \$ | 24 | \$ | 37,531 |
|  | 7,160 | - |  | - |  | - |  | - |  | 7,160 |
|  | 17,117 | $(1,467)$ |  | 2,882 |  | 96 |  | 1,511 |  | 18,628 |
|  | 40,207 | - |  | 121 |  | 2,409 |  | 2,530 |  | 42,737 |
| \$ | 7,257 | \$ $(1,467)$ | \$ | 2,785 | \$ | $(2,313)$ | \$ | (995) | \$ | 6,262 |

## APPENDIX

For three months ended
(\$ in thousands)
Total Assets, as reported
PPP-related activities
Cash and cash receivable for origination fees
Loans, net of unearned
Allowance for credit losses
Accrued interest receivable
Estimated excess balance sheet liquidity arising from PPP
Total adjustments for PPP activities
a Total Assets, as adjusted to exclude PPP activities
b Noninterest Expense, as reported
b/a Noninterest Expense to Total Assets, as adjusted

| Jun 30, 2020 |  | Sep 30, 2020 |
| :---: | ---: | ---: |
| $\$$ | $\mathbf{8 , 2 0 9 , 1 5 4}$ | $\$$ |
| $8,093,381$ |  |  |


| 61,492 | - |
| ---: | ---: |
| $1,688,104$ | $1,713,695$ |
| $(1,565)$ | $(2,636)$ |
| 3,289 | 7,696 |
| 874,195 | 500,000 |
| $2,625,514$ | $2,218,756$ |
| $\mathbf{5 , 5 8 3 , 6 4 0}$ | $\mathbf{5 , 8 7 4 , 6 2 5}$ |

## APPENDIX

Reconciliation to items excluding PPP activities (\$ in thousands)

Loans held for sale ${ }^{(1)}$
Loans and leases held for investment ${ }^{(1)}$
Less PPP loans
Total loan and lease portfolio, excluding PPP
non-GAAP pre-tax pre provision income ${ }^{(2)}$ total assets ${ }^{(1)}$
Non-GAAP pre-tax pre-provision income versus total assets, as reported

Outstanding balance of loans sold \& serviced Total loan and lease portfolio, excluding PPP Managed portfolio, excluding PPP activities

Net interest income ${ }^{(1)}$
Loan servicing revenue ${ }^{(1)}$
Less:
PPP loan interest income ${ }^{(2)}$
Loan deferred fees \& costs amortized into interest income, net ${ }^{(2)}$

Net interest income \& servicing revenue, as adjusted for PPP activities

Total noninterest expense ${ }^{(1)}$
Less:
Performance bonus ${ }^{(2)}$

1. As reported
2. Per Non-GAAP pre-tax pre-provision income slide ©2020 Live Oak Bancshares. All rights reserved

| Q3 2019 | Q4 2019 | Q1 2020 | Q2 2020 | Q3 2020 |
| :---: | :---: | :---: | :---: | :---: |
| \$ 903,095 | \$ 966,447 | \$ 996,050 | \$ 976,594 | \$1,190,200 |
| 2,422,970 | 2,627,286 | 2,817,491 | 4,650,056 | 5,037,199 |
| - | - | - | $(1,688,104)$ | $(1,713,695)$ |
| 3,326,065 | 3,593,733 | 3,813,541 | 3,938,546 | 4,513,704 |
| 16,777 | 17,230 | 17,497 | 19,774 | 37,448 |
| 4,601,529 | 4,812,828 | 5,273,569 | 8,209,154 | 8,093,381 |
| 0.36\% | 0.36\% | 0.33\% | 0.24\% | 0.46\% |
| \$3,013,168 |  |  | \$3,072,031 | \$3,143,493 |
| 3,326,065 |  |  | 3,938,546 | 4,513,704 |
| 6,339,233 |  |  | 7,010,577 | 7,657,197 |
| 37,531 |  |  | 40,898 | 51,363 |
| 6,831 |  |  | 6,691 | 6,803 |
| - |  |  | $(3,317)$ | $(4,403)$ |
| - |  |  | $(5,380)$ | $(9,183)$ |
| 44,362 |  |  | 38,892 | 44,580 |
| 42,737 |  |  | 48,100 | 42,650 |
| - |  |  | $(7,150)$ | - |
| - |  |  | 4,171 | 79 |
| 42,737 |  |  | 45,121 | 42,729 |

## APPENDIX

As of and for the three months ended
(\$ in thousands)

Efficiency ratio:
Noninterest expense (d)
Net interest income
Noninterest income
Less: gain (loss) on sale of securities
Adjusted operating revenue (e)
Efficiency ratio (d/e)

| As of and for the three months ended |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3Q 2020 |  | 2Q 2020 |  | 1Q 2020 |  | 4Q 2019 |  | 3Q 2019 |  |
| \$ | 42,650 | \$ | 48,100 | \$ | 49,491 | \$ | 44,410 | \$ | 42,737 |
|  | 51,363 |  | 40,898 |  | 40,161 |  | 38,011 |  | 37,531 |
|  | 47,044 |  | 22,411 |  | 5,742 |  | 20,125 |  | 15,428 |
|  | 1,225 |  | 734 |  | (79) |  | 528 |  | 87 |
| \$ | 97,182 | \$ | 62,575 | \$ | 45,982 | \$ | 57,608 | \$ | 52,872 |
| 43.89\% |  |  | 76.87\% |  | 107.63\% |  | 77.09\% |  | 80.83\% |


[^0]:    1. At amortized cost (inclusive of loans and leases at fair value and historical cost)
[^1]:    . At amortized cost (inclusive of loans and leases at fair value and historical cost)
    2. Loans for which SBA provides 6 months of payment relief under the CARES Act
    3. Allowance for credit losses on HFI unguaranteed loans and leases carried at historical cost
    4. Fair value mark on HFI unguaranteed loans measured at fair value
    5. Percent of total guaranteed and unguaranteed HFS \& HFI loans at amortized cost within each vertical listed, excluding PPP loans

[^2]:    1. SBA 7(a) loans includes loans originated under the standard 7(a) program, SBA Express and SLA but excludes PPP loans
[^3]:    1. Exclude $\$ 300$ thousand investment in Kwipped; total cash investments of $\$ 18.9$ million (including Kwipped).
[^4]:    1. See Appendix for Reconciliation to items excluding PPP activities
    2. Outstanding balance of sold and serviced loans plus loans and leases held for investment and held for sale less adjustments for PPP activities (See Appendix)
    3. Total Assets as reported less adjustments for PPP activities (See Appendix)
[^5]:    . As of October 21, 2020

[^6]:    1. At amortized costs, excludes $\$ 1.76$ billion PPP loans at September 30, 2020. Government guaranteed loans including PPP loans totaled $\$ 3.89$ billion at September 30 , 2020.
    
    2. Excludes $\$ 1.76$ billion PPP loans at September 30, 2020. The ratio of cash, investments, and government guaranteed loans including PPP loans to total assets including PPP loans is $65.2 \%$.
