

2015 BOK Financial Corporation and BOKF, NA DFAST Public Disclosure

BOK Financial Corporation and BOKF, NA are required to perform annual company-run capital stress testing pursuant to the Dodd-Frank Wall Street Reform and Consumer Protection Act ("Dodd-Frank Act"). The performance and disclosure requirements of Dodd-Frank Act related stress testing for the Company are defined by a number of regulatory pronouncements including "Supervisory Guidance on Implementing Dodd-Frank Act Company-Run Stress Tests for Banking Organizations with Total Consolidated Assets of More than \$10 Billion but less than \$50 Billion" which was jointly issued by the Office of the Comptroller of the Currency (the "OCC"), the Board of Governors of the Federal Reserve System (the "Federal Reserve"), and the Federal Deposit Insurance Corporation (the "FDIC"). Pursuant to this guidance BOK Financial Corporation (the "Company") and BOKF, NA are each to perform Dodd-Frank Stress Tests and are to disclose certain results of the test.

The annual Dodd-Frank Act company-run stress test is a forward looking exercise under which the Company and BOKF, NA must estimate the impact of a hypothetical severely adverse macroeconomic scenario provided by the Federal Reserve and the OCC on its financial condition and regulatory capital ratios over a nine quarter time horizon. The Supervisory Severely Adverse Scenario for the 2015 company-run stress tests was released by the Federal Reserve on October 23, 2014. It is important to note that this scenario is not a forecast and not an expected scenario or outcome, but rather a hypothetical scenario designed by the Federal Reserve to assess the strength of banks and the banking system. The results do not include actual results for the Company for Fourth Quarter 2014 or First Quarter 2015 and the macroeconomic scenarios do not reflect actual changes to the economy, financial markets, or commodity markets which have occurred since the scenarios were released by the Federal Reserve.

Non-comparability of results

The supervisory scenarios are defined by the Federal Reserve and OCC using strictly national macroeconomic statistics. Banking organizations with banking operations focused in a certain region or regions of the country, such as BOK Financial, must translate those national economic statistics into regional economic inputs. Certain inputs to the stress test necessarily involve management judgment which may also differ among firms. The business mix and exposures to various types of risk also vary among banking organizations. These are among the factors which could result in the non-comparability of stress test outcomes among firms.

Governance

The Company's Dodd-Frank Act stress test ("DFAST") is overseen by the Risk Committee of the board of directors as well as a number of management committees. These committees review and approve inputs and assumptions, processes, and methodologies, and outputs of DFAST. The same committee structure oversees other capital stress testing performed by the Company. DFAST is one of many tools used to assess capital adequacy in accordance with the expectations and principles established in guidance published by the OCC and Federal Reserve "Supervisory Guidance on Stress Testing for Banking Organizations with More than \$10 Billion in Total Consolidated Assets."

Quantitative Disclosure - BOK Financial Corporation

The following table presents summary financial results for the Supervisory Severely Adverse Scenario for BOK Financial Corporation on a consolidated basis. Please note that the regulatory capital rules changed for the banking industry on January 1, 2015, within the nine quarters of the projection period, resulting in capital ratios which are not strictly comparable from period to period. The Beginning capital ratios are as of September 30, 2014 and are presented using Basel I regulatory capital rules and definitions consistent with regulatory requirements. Minimum and Ending capital ratios are presented using Basel III regulatory capital rules consistent with regulatory capital requirements which would be in place at the time. Please see the Capital Position section under Methodologies Used in the Stress Test for more discussion of capital methodology. Income statement items represent nine quarters of cumulative results from October 1, 2014 through December 31, 2016.

Capital Ratio I	Vleasures		Income Statement			
	Beginning (BI)	Minimum (BIII)	Ending (BIII)		9Q Cumulative (000s):	
Consolidated				Consolidated		
Tier 1 Common	13.55%	11.60%	11.60%	Pre-Provision Net Revenue	\$	682,929
Tier 1 Risk Based	13.72%	11.76%	11.76%	Aggregated Losses	\$	410,813
Total Risk Based	15.11%	12.96%	12.96%	Provision for Loan Loss	\$	694,297
Tier 1 Leverage	10.22%	9.41%	9.41%	Net Income	\$	33,97

Quantitative Disclosure - BOKF, NA

The following table presents summary financial results for the Supervisory Severely Adverse Scenario for BOKF, NA. BOKF, NA is the Company's principal banking subsidiary, with total assets exceeding 99% of the Company's total consolidated assets as of September 30, 2014. Please note that the regulatory capital rules change for the banking industry on January 1, 2015 within the nine quarters of the projection period, resulting in capital ratios which are not strictly comparable from period to period. The Beginning capital ratios are as of September 30, 2014 and are presented using Basel I regulatory capital rules and definitions consistent with regulatory requirements. Minimum and Ending capital ratios are presented using Basel III regulatory capital rules consistent with regulatory capital requirements which would be in place at the time. Please see the Capital Position section under Methodologies Used in the Stress Test for more discussion of capital methodology. Income statement items represent nine quarters of cumulative results from October 1, 2014 through December 31, 2016.

Capital Ratio I	Vieasures		Income Statement			
	Beginning (BI)	Minimum (BIII)	Ending (BIII)		9Q Cumulative (000s):	
Bank				Bank		
Tier 1 Common	10.63%	9.84%	9.84%	Pre-Provision Net Revenue	\$	674,586
Tier 1 Risk Based	10.68%	9.88%	9.88%	Aggregated Losses	\$	397,050
Total Risk Based	12.05%	11.08%	11.08%	Provision for Loan Loss	\$	694,297
Tier 1 Leverage	7.95%	7.79%	7.88%	Net Income	\$	37,706

Macroeconomic Scenario

The Company projects the impact of adverse macroeconomic scenarios ("stressed economic conditions") on its net income, balance sheet, risk-weighted assets, and capital adequacy. The projections disclosed herein are based on macroeconomic factors provided by the Federal Reserve and the OCC. The macroeconomic factor projections describe a hypothetical scenario designed to assess the strength of the Company and its resilience to severely stressed adverse economic conditions. Following is a description of the Supervisory Severely Adverse Scenario defined by the Federal Reserve and the OCC and used to project the results of the 2015 Dodd-Frank Act Stress Test which forms the basis of this disclosure. The nine-quarter stress time horizon for the 2015 Stress Test is from October 1, 2014 through December 31, 2016.

Supervisory Severely Adverse Scenario Definition

The Supervisory Severely Adverse Scenario, as published by the Federal Reserve and the Office of the Comptroller of the Currency, is characterized by "a substantial weakening in global economic activity, accompanied by large reductions in asset prices¹." Key national economic factors that drive the scenario are as follows:

- Unemployment peaks at 10.1 percent in 2Q2016.
- Real Gross Domestic Product (GDP) declines 4.6 percent at the trough.
- Equity prices decline approximately 58 percent at the trough.
- Housing prices decline roughly 25 percent throughout the scenario time horizon.
- Commercial real estate (CRE) prices decline approximately 35 percent at the trough.
- Short-term interest rates remain low (near zero).
- Long-term 10-year Treasury rates decline to 0.90 percent early in the scenario and gradually increase by approximately 1.00 percent through 2016.
- Mortgage rates begin at 4.20 percent, reach 5.00 percent by 3Q2015 and end at 4.70 percent.
- The scenario also notes an increase in oil prices to approximately \$110 per barrel.

The Company identifies the macroeconomic indicators most relevant to the Company's business activities, including factors not provided in the Supervisory macroeconomic scenarios. For relevant drivers that are not provided by the Federal Reserve or the OCC, the Company derives values based on historical correlations to the Supervisory-defined macroeconomic factors observed in historical periods. Additional macroeconomic factors projected by the Company may include additional energy prices, regional economic performance metrics, and a broader array of interest rate curves and term points. These factors, along with the factors published by the Federal Reserve and the Office of the Comptroller of the Currency, reflect drivers of economic activity, the value of primary collateral pools, and interest rates. These variables also are selected for their impact on the performance of the Company's businesses.

Defined by the Board of Governors of the Federal Reserve System in the "2015 Supervisory Scenarios for Annual Stress Tests Required under the Dodd-Frank Act Stress Testing Rules and the Capital Plan Rule", published on October 23, 2014. Assumptions for this scenario were published by the Office of the Comptroller of the Currency on October 23, 2014.

The average economic performance of the states in which the Company operates during the 2008-2010 recession was notably better than the economic performance for the country as a whole. As the Company assessed its approach to the DFAST it did not assume the same very favorable regional performance would occur in the hypothetical Severely Adverse scenario being modeled. The company therefore elected to assume a significant moderation in the relative outperformance of its regional economy versus that of the national economy. This assumption was vetted though management committees and the Risk Committee of the board, and may be altered in future stress tests. Testing various levels of performance of the regional economy is a valuable tool to further understand the capital strength of the company. This is an important assumption that is either made passively or actively by a regional bank, and is one of the reasons that results will not necessarily be comparable among firms.

Risks Included in the Stress Test

The Risk Committee of the board of directors is responsible for reviewing and approving the risks included in the DFAST. Board approved policies identify which management committees are to identify and review and approve the risks included prior submission to the Risk Committee. The key risk exposures incorporated into the DFAST are credit risk, interest rate risk, market risk, liquidity risk, and operational risk. The Bank projects the impact of these risks to its net income, balance sheet, and capital positions, and also considers other financial impacts of stressed economic factors on the performance of the Company's businesses.

Credit risk is the risk of loss resulting from the failure of a borrower or counterparty to honor its financial or contractual obligations to the Company. Credit Risk arises in lending activities, the investment portfolio, as well as trading activities where counterparties have repayment of principal or interest or other obligations to the Company. Credit risk related to lending activities directly affects the allowance for loan losses on the balance sheet and the provision for credit losses on the income statement.

Interest rate risk is the potential reduction of net interest income as a result of changes in interest rates, which can affect the re-pricing of assets and liabilities differently. The Company's net interest income is affected by market rates of interest, which in turn are affected by prevailing economic conditions, by the fiscal and monetary policies of the federal government and by the policies of various regulatory agencies. The stressed macroeconomic Severely Adverse Scenario includes assumptions about key interest rates. The Company's stress test results incorporate key interest rate assumptions in the estimate of the yield on assets and funding costs, as well as in the composition of its balance sheet.

Market risk arises from fluctuations in interest rates or security prices which may result in changes in the values of financial instruments carried at fair value, such as trading and available-for-sale securities, mortgage loans held for sale, mortgage servicing rights ("MSRs"), and derivatives. The Bank considers the impact of these risks in its projections under the stressed economic conditions.

Liquidity risk is the possible inability to fund obligations or new business at a reasonable cost in a timely manner. The Company's liquidity is essential for the operation of its business. Market conditions and other events could negatively affect the Company's access to funds or its borrowing costs. The Company makes an assessment of the liquidity and wholesale borrowing cost profile and includes any material incremental borrowing costs in interest expense.

Operational risk is the risk of loss resulting from inadequate or failed internal processes, people or systems, or from external events, including the risk of loss resulting from breaches in data security. Operational risk can also include failures by third parties with which the Company does business. The Company's stress testing process estimates and quantifies the effect of stressed economic conditions on fraud related operational losses, and their effect on the Company's net income and capital positions.

Methodologies Used in the Stress Test

The Dodd Frank Act Stress Test is a stress test of capital adequacy, and the disclosure covers the Severely Adverse Scenario defined by the Federal Reserve and the OCC. This section describes the methodologies applied to estimate capital levels over the projected nine quarter time horizon. Key outputs from this process include a pro forma income statement, balance sheet, and off balance sheet exposures, which are used to produce capital projections, including projections of risk weighted assets and regulatory capital ratios. In developing pro forma financial statements, the Company applies accounting practices consistent with the Company's significant GAAP accounting policies and regulatory capital rules consistent with supervisory guidance.

The Company's stress testing methodologies focus on empirically defining the relationship between macroeconomic variables and business volumes, revenues, expenses, and losses in order to estimate outcomes which may result from the specified Severely Adverse Scenario. The Company uses a series of models and estimation methodologies, coupled with management judgment, to produce an estimate of future business performance. Stress testing methodologies are subject to considerable uncertainties and modeling limitations, including uncertainty about the extent to which historical relationships between macroeconomic factors and business outcomes will continue to be relevant in a severely stressed economic environment. The Company routinely considers uncertainties and the limitations of our estimates when evaluating stress test results.

Net Income

The outcome projected for net income under the stressed economic conditions includes the impact on the Company's pre-provision net revenue, provision for credit losses, realized gains or losses on the Company's available-for-sale ("AFS") or held-to-maturity ("HTM") investment portfolio and other gains or losses. These include the benefit to the Company's income tax expense resulting from the ability to utilize losses and the use of tax credits from the Company's tax-advantaged community investments.

Capital Position

In projecting its capital position, the Company incorporates the net income projections for each quarter and any capital actions for each quarter. DFAST regulations require the Company to assume the calendar year common shareholder dividends paid in 2014 are paid in 2015 and 2016 stress test projection periods. In actual practice during a severely stressful environment, dividends paid on common stock may be reduced or eliminated as a mechanism to manage capital adequacy. The Company analyzes the effects of the stressed economic conditions on its net deferred tax asset position, MSRs, and non-significant equity investments to determine the appropriate level of deductions from regulatory capital if applicable pursuant to Basel III capital rules.

The Company calculates, according to the applicable capital regulations, its risk-weighted assets for on-and off-balance sheet credit exposures, and total assets. The Company's capital ratio is then determined by by dividing regulatory capital by the risk-weighted or total assets.

In accordance with the "Instructions for the Preparation of Company-Run Annual Stress Test Reporting Template and Documentation for Covered Institutions with Total Consolidated Assets of \$10 Billion to \$50 Billion under the Dodd-Frank Wall Street Reform and Consumer Protection Act," the September 30, 2014 and December 31, 2014 regulatory capital ratios are reported using the Basel I rules, while the remaining eight quarters follow the Basel III standardized rules. Certain elements of the Basel III standardized rules contain phase-in effects. Due to the very small magnitude of the phase-in effects for the Company, all Basel III capital figures are presented on a fully phased-in basis.

Pre-provision Net Revenue

The projections under the stressed economic conditions are produced for:

- Balance Sheet and Related Net Interest Income
- Fee Income
- Gains and Losses Excluding Other Than Temporary Impairments (OTTI) on Investment Securities
- Non-Interest Expenses.

Balance Sheet and related Net Interest Income and Fee Income:

Balance Sheet and Net Interest Income:

Balance sheet projections include loans, securities, non-earning assets, interest-bearing non-maturity deposits, demand deposits, CDs, wholesale borrowings, and other liabilities. Projections are conditioned on macroeconomic variables where practical and modified by management judgment to be consistent with interest rate risk management strategy. Loan balance assumptions generated higher loan balances outstanding at the end of the stress test than at the beginning. This provided incrementally more stress on the capital ratios than has actually been experienced by loan balance behavior in historical periods of economic stress, and demonstrates the ability of the company to support its local markets and regional economy through a period of severe stress.

To a large extent, the estimate of net interest income is driven by the contractual features of the underlying balance sheet instruments. To model the behaviors of the existing balance sheet, instrument details are collected for the Company's loan, deposit, investment, and wholesale funding portfolios. This detailed data is used in conjunction with assumptions regarding the terms of new business added during the stress period to project interest income and interest expense. Assumptions are made regarding the various key inputs such as prepayment speeds, deposit balances and mix, as well as pricing strategies including those for administered deposit rates. Assumptions are consistent with management expectations and include the consideration of historical experience and anticipated customer behavior.

Fee Income:

Fee income includes brokerage and trading, transaction card revenue, fiduciary and asset management revenue, deposit service charges and fees, mortgage banking revenue, and other fee revenue sources.

The estimation process for fee income is based on macroeconomic and financial market variable assumptions as well as key business performance metrics. Methodologies to estimate fee income vary across the major categories and are tailored to the underlying business activity being considered. In addition to statistical models, the approaches include consideration of historical experience, expectations around new business, impact of regulatory changes, and management judgment.

Regardless of methodology, all projections rely on the same consistent view of the macroeconomic environment as those business lines using regression modeling. Each business line individually evaluates the macroeconomic scenario factors to determine which factors are significant for their respective fee income categories. Management then projects how these inputs impact their key business drivers of fee income.

Gains and Losses Excluding OTTI on Investment Securities:

The Company carries the MSR asset and its associated hedge portfolio at fair value. These values are highly sensitive to the path and level of interest rates. The Company projects the change in the fair value of mortgage servicing rights and the accompanying hedge securities based on the scenario variables and a model calibrated on historical exposure.

The Company does not assume there will be material gains or losses realized from the AFS or HTM portfolios in the Severely Adverse Scenario.

Non-Interest Expenses:

Estimates of non-interest expenses under the Supervisory Severely Adverse scenario are in part a function of projected levels of business activity and the resulting effect on incentive compensation and processing expenses. In addition to routine business expenses, costs that materialize from other risks in the stress environment such as operational losses and increases in foreclosed and repossessed asset related expense are included. Where non-interest expense relationships are indeterminate with macroeconomic drivers or financial market variable assumptions, historical experience and management judgment is employed.

Aggregate Losses

Aggregate losses include net charge-offs (net credit losses), described in the Provision for Credit Losses section below, and OTTI. The company assesses OTTI for its non-agency mortgage backed securities, corporate securities, and municipal securities. Macroeconomic variables and underlying credit metrics for each exposure are used in the impairment assessment for each security type and any resulting OTTI is recorded in the appropriate quarter.

Provision for Credit Losses

The Company projects net credit losses and provision expenses under the stressed economic conditions based on several key inputs. These inputs include beginning period loan balances and portfolio composition, macroeconomic assumptions of the scenario, forecasts of loan portfolio balances, and forecasts of defaults and losses. The Company's loss forecasting models are regression models developed based on historical experience. Losses are separately forecast for each major portfolio segment. The Company evaluates loss forecasts produced by models by considering past portfolio performance, the results of a challenger model, and expectations of future performance given the scenario's economic assumptions. The provision expense is based on the loss forecasts, portfolio growth, and the Company's Allowance for Loan Loss Reserve Methodology, including managerially determined qualitative and environmental factors.

Income Taxes

The Company's process for estimating the impact of income taxes on earnings and capital involves estimating the periodic effective tax rate to apply to earnings, estimation of the deferred tax position at each period-end based on estimates for the most significant temporary differences, and measuring any deferred tax limitations under the relevant capital framework.

The effective tax rate differs from the marginal tax rate principally as a result of tax credits generated by the Company's tax-advantaged community investments and, to a lesser extent, income from the Company's tax-exempt investments.

The Company evaluates the likelihood of any deferred tax asset being realized considering factors that include whether there is sufficient taxable income in prior periods to support recovery through carryback and the ability of the Company to realize tax benefits in future periods.

Changes in Regulatory Capital Ratios for BOK Financial Corporation

In all scenarios the Company's capital ratios remain in excess of regulatory minimums at all times. At the consolidated level and relative to the value on September 30, 2014:

- Ending Tier 1 common equity ratios are 195 bps lower in the Severely Adverse Scenario, including Basel III
 effects.
- Ending Tier 1 Leverage ratios are 81 bps lower in the Severely Adverse Scenario, including Basel III effects.
- Ending Total Risk-Based Capital ratios are 215 bps lower in the Severely Adverse Scenario, including Basel III effects.
- Ending Tier 1 Risk-Based Capital ratios are 196 bps lower in the Severely Adverse Scenario, including Basel III effects.

Tier 1 common equity and Tier 1 risk based capital ratios for BOK Financial Corporation decrease primarily due to dividends assumed to be paid to common shareholders and transition to the Basel III capital rules. Additions to capital resulting from PPNR are largely offset by reductions to capital from provision expense.

Changes in Regulatory Capital Ratios for BOKF, NA

In all scenarios the Company's capital ratios remain in excess of regulatory minimums at all times. At the bank level and relative to the value on September 30, 2014:

- Ending Tier 1 common equity ratios are 80 bps lower in the Severely Adverse Scenario, including Basel III
 effects.
- Ending Tier 1 Leverage ratios are 7 bps lower in the Severely Adverse Scenario, including Basel III effects.
- Ending Total Risk-Based Capital ratios are 97 bps lower in the Severely Adverse Scenario, including Basel III
 effects.
- Ending Tier 1 Risk-Based Capital ratios are 80 bps lower in the Severely Adverse Scenario, including Basel III effects.

Tier 1 common equity and Tier 1 risk based capital ratios for BOKF, NA decrease due to Basel III transition effects as the beneficial effect of PPNR are largely offset by the effect of provision expense.

This Report contains forward-looking statements, including projections of the Company and BOKF, NA financial results and condition under a hypothetical scenario that incorporates a set of assumed economic and financial conditions prescribed by its regulators. The projections are not intended to be a forecast of expected future economic or financial conditions or a forecast of the Company's or BOKFs expected future financial results or condition, but rather reflect possible results under the prescribed hypothetical scenario. The Company's future financial results and condition will be influenced by actual economic and financial conditions and various other factors as described in its reports filed with the Securities and Exchange Commission and available at www.sec.gov.