CERTIFIED AUDIT REPORT

DUKE UNIVERSITY
FEDERAL CREDIT UNION

FINANCIAL STATEMENTS

As of and for the years ended
December 31, 2018 and 2017

Nearman
Maynard • Vallez
Certified Public Accountants

Confidential and Proprietary

TABLE OF CONTENTS

INDEPENDENT AUDITOR'S

REPORT

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Supervisory Committee
Duke University Federal Credit Union
Durham, NC

INDEPENDENT AUDITOR'S REPORT

Report on the Financial Statements
We have audited the accompanying financial statements of Duke University Federal Credit Union, which comprise the statement of financial condition as of December 31, 2018 and 2017, and the related statements of income, changes in members' equity, comprehensive income, and cash flows for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements
Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibility
Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the Credit Union's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Credit Union's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

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Opinion
In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Duke University Federal Credit Union as of December 31, 2018 and 2017, and the results of its operations and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Nearman, Maynard, Vallez, CPAs

Nearman, Maynard, Vallez, CPAs
Miami, Florida
March 28, 2019

FINANCIAL

STATEMENTS

DUKE UNIVERSITY FEDERAL CREDIT UNION

STATEMENTS OF FINANCIAL CONDITION

ASSETS

	December 31, 2018	December 31, 2017
Cash and cash equivalents	$ 21,916,573	$ 28,916,809
Investments:		
Available-for-sale	23,686,280	23,654,040
Other	13,100,280	11,796,220
Federal Home Loan Bank (FHLB) stock	121,900	116,700
Loans receivable, net of allowance for loan losses	81,618,774	67,696,695
Accrued interest receivable	296,629	255,848
Premises and equipment, net	427,545	530,417
National Credit Union Share Insurance Fund deposit	1,268,475	1,193,526
Assets acquired in liquidation	40,374	123,719
Other assets	1,175,738	990,092
Total Assets	$ 143,652,568	$ 135,274,066

LIABILITIES AND MEMBERS' EQUITY

	December 31, 2018	December 31, 2017
Liabilities		
Members' share and savings accounts	$ 131,298,785	$ 124,149,111
Accrued expenses and other liabilities	769,741	737,087
Total liabilities	132,068,526	124,886,198
Commitments and contingent liabilities		
Members' Equity		
Regular reserve	1,491,426	1,491,426
Undivided earnings	10,406,336	9,242,402
Accumulated other comprehensive loss	(313,720)	(345,960)
Total members' equity	11,584,042	10,387,868
Total Liabilities and Members' Equity	$ 143,652,568	$ 135,274,066

The accompanying notes are an integral part of these financial statements.

DUKE UNIVERSITY FEDERAL CREDIT UNION

STATEMENTS OF INCOME

	December 31, 2018	December 31, 2017
Interest Income		
Interest on loans receivable	$ 4,032,406	$ 3,521,182
Interest on investments	1,014,838	687,575
Interest income	5,047,244	4,208,757
Interest Expense		
Dividends on members' share and savings accounts	48,518	47,206
Interest on borrowed funds	-	25
Interest expense	48,518	47,231
Net Interest Income	4,998,726	4,161,526
Provision for Loan Losses	543,258	180,761
Net Interest Income After Provision for Loan Losses	4,455,468	3,980,765
Non-Interest Income		
Other non-interest income	1,373,216	1,264,719
Fees and service charges	821,528	793,373
Non-interest income	2,194,744	2,058,092
	6,650,212	6,038,857
Non-Interest Expense		
Compensation and employee benefits	2,468,124	2,383,090
Operations	1,306,871	1,211,995
Professional and outside services	658,696	607,769
Occupancy	617,773	638,359
Loan servicing	337,747	365,791
Education and promotion	97,067	78,392
Non-interest expense	5,486,278	5,285,396
Net Income	$ 1,163,934	$ 753,461

The accompanying notes are an integral part of these financial statements.

DUKE UNIVERSITY FEDERAL CREDIT UNION

STATEMENTS OF COMPREHENSIVE INCOME AND MEMBERS' EQUITY

COMPREHENSIVE INCOME

	December 31, 2018	December 31, 2017
Net Income	$ 1,163,934	$ 753,461
Other Comprehensive Income		
Net unrealized holding gains on securities arising during the year	32,240	9,765
Comprehensive Income	$ 1,196,174	$ 763,226

MEMBERS' EQUITY

	Regular Reserve	Undivided Earnings	Accumulated Other Comprehensive Income (Loss)	Total
Balance, December 31, 2016	$ 1,491,426	$ 8,488,941	$ (355,725)	$ 9,624,642
Net income	-	753,461	-	753,461
Change in unrealized gain on securities	-	-	9,765	9,765
Balance, December 31, 2017	1,491,426	9,242,402	(345,960)	10,387,868
Net income	-	1,163,934	-	1,163,934
Change in unrealized gain on securities	-	-	32,240	32,240
Balance, December 31, 2018	$ 1,491,426	$10,406,336	$ (313,720)	$ 11,584,042

The accompanying notes are an integral part of these financial statements.

DUKE UNIVERSITY FEDERAL CREDIT UNION

STATEMENTS OF CASH FLOWS

	December 31, 2018	December 31, 2017
Cash Flows From Operating Activities		
Net income	$ 1,163,934	$ 753,461
Adjustments to reconcile net income to net cash:		
Provision for loan losses	543,258	180,761
Depreciation of premises and equipment	150,680	192,173
Amortization of loan premiums	63,012	-
Amortization of deferred fees and costs	21,099	23,672
Changes in operating assets and liabilities:		
Accrued interest receivable	(40,781)	(40,634)
Other assets	(185,646)	(68,113)
Accrued expenses and other liabilities	32,654	87,518
Net cash provided by operating activities	1,748,210	1,128,838
Cash Flows From Investment Activities		
Purchases of:		
Available-for-sale securities	-	(2,000,000)
FHLB stock	(5,200)	-
Premises and equipment	(47,808)	(37,843)
Proceeds from:		
Maturities, paydowns and sales of available-for-sale securities	-	5,996,001
Sale of FHLB stock	-	3,000
Sale of mortgage loans	3,509,785	3,857,216
Sale of assets acquired in liquidation, net	78,498	-
Net change in:		
Other investments	(1,304,060)	3,213,858
Loans receivable, net of charge-offs	(18,198,447)	(11,015,040)
Assets acquired in liquidation	4,847	(6,303)
NCUSIF deposit	(74,949)	(67,426)
Recoveries on loans charged off	139,214	216,977
Net cash (used in) provided by investing activities	(15,898,120)	160,440
Cash Flows From Financing Activities		
Net change in members' share and savings accounts	7,149,674	4,760,652
Net cash provided by financing activities	7,149,674	4,760,652
Net Change in Cash and Cash Equivalents	(7,000,236)	6,049,930
Cash and Cash Equivalents at Beginning of Year	28,916,809	22,866,879
Cash and Cash Equivalents at End of Year	$ 21,916,573	$ 28,916,809
Supplemental Cash Flow Disclosure		
Dividends and interest paid	$ 48,518	$ 47,231
Loans receivable transferred to assets acquired in liquidation	$ -	$ 73,145

The accompanying notes are an integral part of these financial statements.

DUKE UNIVERSITY FEDERAL CREDIT UNION

NOTES TO THE FINANCIAL STATEMENTS

NOTE 1: SIGNIFICANT ACCOUNTING POLICIES

Organization
Duke University Federal Credit Union (the "Credit Union") is a cooperative association organized in accordance with the provisions of the Federal Credit Union Act for the purposes of promoting thrift among, and creating a source of credit for its members. Participation in the Credit Union is limited to those individuals that qualify for membership. The field of membership is defined in the Credit Union's Charter and Bylaws.

Use of Estimates
The preparation of financial statements in conformity with generally accepted accounting principles in the United States (U.S. GAAP) requires Management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Specifically, Management has made estimates based on assumptions for fair value of assets and liabilities and the assessment of other than temporary impairment on investments. Actual results could differ from these estimates. Material estimates that are particularly subject to change in the near term include the determination of the allowance for loan losses (ALL), valuation of securities, and the fair value of financial instruments.

Basis of Presentation
The Credit Union follows the accounting standards set by the Financial Accounting Standards Board (FASB). The FASB establishes U.S. GAAP that are followed to ensure consistent reporting of the financial condition, results of operations and cash flows of the Credit Union.

Cash and Cash Equivalents
For purposes of the statement of financial condition and the statement of cash flows, cash and cash equivalents includes cash on hand, amounts due from financial institutions, and highly liquid debt instruments classified as cash which were purchased with maturities of three months or less. Amounts due from financial institutions may, at times, exceed federally insured limits.

Investments
The Credit Union's investments are classified and accounted for as follows:

Available-for-Sale: Investments are classified available-for-sale when Management anticipates that the securities could be sold in response to rate changes, prepayment risk, liquidity, availability of and the yield on alternative investments and other market and economic factors. These securities are reported at fair value. Unrealized gains and losses on securities available-for-sale are recognized as direct increases or decreases in members' equity and comprehensive income.

Other Investments: Investments in this category do not meet the definition of a debt or equity security under U.S. GAAP. Other investments may include certain cash equivalents that Management has elected to classify as investments.

Realized gains and losses on disposition, if any, are computed using the specific identification method. The amortization of premiums and the accretion of discounts are recognized over the term of the related investment by a method that approximates the interest method.

Management periodically performs analyses to test for impairment of various assets. A significant impairment analysis relates to the other than temporary declines in the value of securities. Management conducts periodic reviews and evaluations of the securities portfolio to determine if the value of any security has declined below its carrying value and whether such a decline is other than temporary. If such decline is deemed other than temporary, Management would adjust the amount of the security by writing it down to fair market value through a charge to current period operations.

Federal Home Loan Bank (FHLB) Stock

The Credit Union, as a member of the FHLB of Atlanta, is required to maintain a minimum stock investment with the FHLB based on a formula developed by the FHLB that considers the Credit Union's total assets and outstanding advances from the FHLB. FHLB stock is carried at cost, classified as a restricted security, and periodically evaluated for impairment. Because this stock is viewed as a long term investment, impairment is based on ultimate recovery of par value. Both cash and stock dividends are reported as income.

Loans Receivable

The Credit Union grants mortgage, and consumer loans to members. The ability of the members to honor their contract is dependent upon the real estate market and general economic conditions.

Loans that the Credit Union has the intent and ability to hold for the foreseeable future or until maturity or payoff are reported at principal balance outstanding, net of an allowance for loan losses and net deferred loan origination fees and costs. Interest income on loans is recognized over the term of the loan and is calculated using the simple-interest method on principal amounts outstanding.

Interest income is not reported when full loan repayment is in doubt, typically when the loan is impaired or payments are past due sixty days or more. All interest accrued but not received for loans placed on nonaccrual is reversed against interest income. Interest received on such loans is accounted for on the cash basis or cost-recovery method, until qualifying for return to accrual. Loans are returned to accrual status when all the principal and interest amounts contractually due are brought current and future payments are reasonably assured.

Consumer loans are typically charged off no later than 180 days past due. Residential real estate loans are evaluated for charge-off on a case-by-case basis and are typically charged-off at the time of foreclosure. Past-due status is based on the contractual terms of the loans. In all cases, loans are placed on nonaccrual or charged-off at an earlier date if the collection of principal and interest is considered doubtful.

Deferred Loan Fees and Costs

A portion of loan origination fees and costs are deferred and amortized over the estimated life of the loan using a method that approximates the interest method. Deferred fees and costs are recognized as an adjustment to interest income on loans over the average life of the related loan.

Allowance for Loan Losses

The allowance for loan losses is a valuation allowance for probable incurred credit losses, increased by the provision for loan losses and decreased by charge-offs less recoveries. Management estimates the required allowance for loan losses balance using past loan loss experience, known and inherent risks in the nature and volume of the portfolio, information about specific borrower situations and estimated collateral values, economic conditions, and other factors. Allocations of the allowance for loan losses may be made for specific loans, but the entire allowance is available for any loan that, in Management's judgment, should be charged-off. Loan losses are charged against the allowance for loan losses when Management believes the uncollectibility of a loan balance is confirmed.

The allowance for loan losses consists of specific and general components. The specific component relates to loans that are individually classified as impaired or loans otherwise classified as substandard or doubtful. The general component covers non-classified loans and is based on historical loss experience adjusted for current factors.

Due to the nature of uncertainties related to any estimation process, Management's estimate of loan losses inherent in the loan portfolio may change in the near term. However, the amount of the change that is reasonably possible cannot be estimated. In addition, the Credit Union's regulator, as an integral part of its examination process, periodically reviews the Credit Union's allowance for loan losses. The regulator may require the Credit Union to adjust the allowance for loan losses based on their judgments of information available to them at the time of their examination.

A loan is considered impaired when, based on current information and events, full payment under the loan terms is not expected. Impairment is generally evaluated in total for smaller-balance loans of similar nature such as residential mortgage, consumer, and credit card loans, but may be evaluated on an individual loan basis if deemed necessary. If a loan is impaired, a portion of the allowance is allocated so that the loan is reported, net, at the present value of estimated future cash flows using the loan's existing rate or at the fair value of collateral if repayment is expected solely from the collateral.

Premises and Equipment

Furniture and equipment is carried at cost, less accumulated depreciation. Furniture, and equipment is depreciated using the straight-line method over the estimated useful lives of the assets. Maintenance and repairs are expensed. Management reviews premises and equipment for impairment whenever events or changes in circumstances indicate that the carrying value may not be recoverable.

Assets Acquired in Liquidation

Assets acquired in liquidation in lieu of loan foreclosure are initially recorded at the lower of the Credit Union's carrying amount or fair value less estimated selling cost at the date of foreclosure. Any write-downs based on the asset's fair value at the date of acquisition are charged to the allowance for loan losses. After foreclosure, property held for sale is carried at the lower of the new cost basis or fair value less cost to sell. Impairment losses on property to be held and used are measured as the amount by which the carrying amount of a property exceeds its fair value. Costs of significant property improvements are capitalized, whereas costs relating to holding property are expensed. The portion of interest costs relating to development of real estate is capitalized. Valuations are periodically performed by Management, and any subsequent write-downs are recorded as a charge to operations, if necessary, to reduce the carrying value of a property to the lower of its cost or fair value less cost to sell.

The Credit Union has approximately $40,000 and $109,000 in foreclosed residential real estate property held for sale as of December 31, 2018 and 2017, respectively. The Credit Union has no loans collateralized by residential real estate in the process of foreclosure as of December 31, 2018 and 2017, respectively.

NCUSIF Deposit and NCUSIF Insurance Premium

The deposit in the National Credit Union Share Insurance Fund (NCUSIF) is in accordance with National Credit Union Administration (NCUA) regulations, which require the maintenance of a deposit by each insured credit union in an amount equal to one percent of its insurable shares. The deposit would be refunded to the Credit Union if its insurance coverage is terminated, it converts to insurance coverage from another source, or the operations of the fund are transferred from the NCUA Board.

Members' Share and Savings Accounts

Members' shares are the savings deposit accounts of the owners of the Credit Union. Share ownership entitles the members to vote in annual elections of the Board of Directors and on other corporate matters. Irrespective of the amount of shares owned, no member has more than one vote. Members' shares are subordinated to all other liabilities of the Credit Union upon liquidation. Dividends on members' share and savings accounts, except for interest on certificates of deposit which is set in advance, is based on available earnings at the end of a dividend period and are not guaranteed by the Credit Union. Dividend rates on members' share accounts are set by the Board of Directors, based on an evaluation of current and future market conditions.

Regular Reserve

The Credit Union is required by regulation to maintain a statutory reserve, "regular reserve". The regular reserve, which represents a regulatory restriction of retained earnings, is not available for the payment of dividends to members.

Federal and State Tax Exemption

The Credit Union is exempt from most federal, state, and local taxes under the provisions of the Internal Revenue Code and state tax laws. The Income Taxes Topic of the FASB ASC clarifies accounting for uncertainty in income taxes reported in the financial statements. The interpretation provides criteria for assessment of individual tax positions and a process for recognition and measurement of uncertain tax positions. Tax positions are evaluated on whether they meet the “more likely than not” standard for sustainability on examination by tax authorities. As of and for the tax years ended December 31, 2018 and 2017, Management has determined there are no material uncertain tax positions.

Comprehensive Income

Accounting principles generally require that recognized revenue, expenses, gains, and losses be included in net income. Certain changes in assets and liabilities, such as unrealized gains and losses on available-for-sale securities, are reported as a separate component of the members' equity section of the statements of financial condition.

Advertising Costs

Advertising costs are expensed as incurred.

Fair Value Measurements

The Credit Union categorizes its assets and liabilities measured at fair value into a three-level hierarchy based on the priority of the inputs to the valuation technique used to determine fair value. The fair value hierarchy gives the highest priority to quoted prices in active markets for identical assets or liabilities (Level 1) and the lowest priority to unobservable inputs (Level 3). If the inputs used in the determination of the fair value measurement fall within different levels of the hierarchy, the categorization is based on the lowest level input that is significant to the fair value measurement. Assets and liabilities valued at fair value are categorized based on the inputs to the valuation techniques as follows:

Level 1 Inputs

Level 1 - Inputs that utilize quoted prices (unadjusted) in active markets for identical assets or liabilities that the Credit Union has the ability to access at the measurement date.

Level 2 Inputs

Level 2 - Inputs that include quoted prices for similar assets and liabilities in active markets and inputs that are observable for the asset or liability, either directly or indirectly, for substantially the full term of the financial instrument. Fair values for these instruments are estimated using pricing models, quoted prices of securities with similar characteristics, or discounted cash flows.

Level 3 Inputs

Level 3 - Inputs that are unobservable inputs for the asset or liability, which are typically based on an entity's own assumptions, as there is little, if any, related market activity.

Subsequent to initial recognition, the Credit Union may remeasure the carrying value of assets and liabilities measured on a nonrecurring basis to fair value. Adjustments to fair value usually result when certain assets are impaired. Such assets are written down from their carrying amounts to their fair value.

Subsequent Events

In preparing these financial statements, the Credit Union evaluated events and transactions for potential recognition or disclosure through March 28, 2019, the date on which the financial statements were available to be issued.

Reclassifications

Certain 2017 financial statement amounts have been reclassified to conform with classifications adopted in the current year. This reclassification did not have any change on net income or members' equity.

New Accounting Pronouncements

Accounting Standards Update (ASU) 2016-13, "Financial Instruments-Credit Losses", (Topic 326)

This ASU requires an approach based on expected losses to estimate credit losses on certain types of financial instruments. It also modifies the impairment model for available-for-sale (AFS) debt securities and provides a simplified accounting model for purchased financial assets with credit deterioration since their origination.

The ASU requires credit unions to measure impairment on their existing loan portfolios on the basis of the current estimate of contractual cash flows not expected to be collected. The estimate of expected credit losses is based on relevant information about past events, including historical loss experience with similar assets, current conditions, and reasonable supportable forecasts that affect the expected collectability of the assets' remaining contractual cash flows. This new model is called the Current Expected Credit Loss (CECL) model.

The transition to the CECL model will bring with it significantly greater data requirements and demand a more complex methodology to accurately account for expected losses under the new parameters. The transition will also require a significant increase in the allowance for loan and lease losses (ALLL) account balance. FASB has allowed for this one-time increase in the ALLL to come directly from undivided earnings, rather than reflected through the provision for loan losses expense account. The increase, or the adjustment to the ALLL, will reduce net worth, however it does spare a negative impact to the income statement. This ASU applies to all financial assets that are not accounted for at fair value and are exposed to potential credit risk.

The implementation date for "private" companies, which includes credit unions, is for fiscal years beginning after December 15, 2021. Early application of the standard is permitted for fiscal years beginning after December 15, 2018.

ASU No. 2017-12 "Derivatives and Hedging", (Topic 815)

This ASU was issued to provide investors better insight to an entity's risk management hedging strategies by permitting companies to recognize the economic results of its hedging strategies in its financial statements. The amendments in this ASU permit hedge accounting for hedging relationships involving nonfinancial risk and interest rate risk by removing certain limitations in cash flow and fair value hedging relationships. In addition, the ASU requires an entity to present the earnings effect of the hedging instrument in the same income statement line item in which the earnings effect of the hedged item is reported. This ASU is effective for fiscal years beginning after December 15, 2018, and early adoption is permitted. Adoption of ASU 2017-12 is not expected to have a material impact on the Company's financial statements.

ASU No. 2016-2 "Leases", (Topic 842)

The ASU is intended to improve financial reporting about leasing transactions and affects all companies and other organizations. The ASU will require organizations that lease assets (referred to as "lessees") to recognize on the balance sheet the assets and liabilities for the rights and obligations created by those leases.

While the accounting by the lessor will remain largely unchanged from current GAAP, lessees will need to recognize a right-of-use asset and a lease liability for virtually all of their leases (other than leases that meet the definition of a short-term lease). The liability will be equal to the present value of lease payments. The asset will be based on the liability, subject to adjustment, such as for initial direct costs. For income statement purposes, the FASB retained a dual model, requiring leases to be classified as either operating or finance. Operating leases will result in straight-line expense (similar to current operating leases) while finance leases will result in a front-loaded expense pattern (similar to current capital leases). Classification will be based on criteria that are largely similar to those applied in current lease accounting, but without explicit bright lines.

The effective date for credit unions is for fiscal years beginning after December 15, 2019. Early adoption is permitted. The new standard must be adopted using a modified retrospective transition, and provides for certain practical expedients. Transition will require application of the new guidance at the beginning of the earliest comparative period presented.

ASU No. 2016-01 "Financial Instruments – Overall – Recognition and Measurement of Financial Assets and Financial Liabilities."

The main objective in developing this update is enhancing the reporting model for financial instruments to provide users of financial statements with more decision-useful information.

The update has two areas of interest to credit unions. One is the removal of the requirement to disclose the fair value of financial instruments measured at amortized cost for entities that are not public business entities. The other has a more significant potential impact.

The ASU requires entities to record equity securities at fair value with adjustments to fair value recorded through the income statement. Currently many securities meeting the definition of an equity security are recorded as available-for-sale with fair value adjustments recorded as part of other accumulated comprehensive income. Securities meeting the definition of an equity security include any ownership interest in an entity. Credit unions with investments in mutual funds, stocks, limited partnerships, and trusts could see unacceptable levels of earnings volatility on their income statements.

Removing the disclosure of fair value of financial instruments is available for implementation immediately upon issuance of the ASU. The effective date for the accounting for equity securities for credit unions is for fiscal years beginning after December 15, 2018. Credit Union's may adopt this ASU early with fiscal years beginning after December 15, 2018.

NOTE 2: INVESTMENTS

Available-for-Sale

Investments classified as available-for-sale securities consist of the following:

	December 31, 2018			
	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
Federal agency securities	$ 24,000,000	$ -	$ (313,720)	$ 23,686,280

	December 31, 2017			
	Amortized Cost	Gross Unrealized Gains	Gross Unrealized Losses	Fair Value
Federal agency securities	$ 24,000,000	$ -	$ (345,960)	$ 23,654,040

Gross unrealized losses and fair value by length of time that the individual securities have been in a continuous unrealized loss position at December 31, 2018 and 2017, are as follows:

	December 31, 2018			
	Less than 12 months		12 months or greater	
	Fair Value	Unrealized Losses	Fair Value	Unrealized Losses
Federal agency securities	$ -	$ -	$ 23,686,280	$ (313,720)

	December 31, 2017			
	Less than 12 months		12 months or greater	
	Fair Value	Unrealized Losses	Fair Value	Unrealized Losses
Federal agency securities	$ 2,966,230	$ (33,770)	$ 20,687,810	$ (312,190)

There are a total of 15 securities with unrealized losses as of December 31, 2018 and 2017. The unrealized losses associated with these securities are considered temporary as the Credit Union has the ability to hold these securities for a period of time sufficient to allow for any anticipated recovery in fair value.

The amortized cost and estimated fair value of securities by contractual maturity are shown below. Expected maturities may differ from contractual maturities because issuers may have the right to call or prepay certain obligations without call or prepayment penalties.

	December 31, 2018	
	Amortized Cost	Fair Value
1 to 5 years	$ 24,000,000	$ 23,686,280

Other Investments

Other investments consist of the following:

	December 31,	
	2018	2017
Certificates of deposit	$ 12,351,471	$ 11,057,261
Perpetual capital at Vizo Financial Corporate Credit Union	698,508	698,508
CUSOs	40,758	32,804
FHLB deposit account	9,543	7,647
Total	$ 13,100,280	$ 11,796,220

Perpetual contributed capital is not subject to share insurance covered by the National Credit Union Share Insurance Fund or any other deposit insurer. The perpetual contributed capital is redeemable only at the option of corporate credit union provided regulatory approval is obtained. Perpetual contributed capital cannot be pledged against borrowings, has no scheduled maturity, and offers non-cumulative dividends.

NOTE 3: LOANS RECEIVABLE AND ALLOWANCE FOR LOAN LOSSES

Loans Receivable

Loans receivable consist of the following:

	December 31,	
	2018	2017
Residential first mortgage real estate	$ 23,783,466	$ 13,564,134
Residential second mortgage real estate	13,492,528	13,412,255
Consumer secured	30,357,261	27,429,193
Consumer unsecured	14,661,060	13,799,528
	82,294,315	68,205,110
Allowance for loan losses	(675,541)	(508,415)
Loans receivable, net	$ 81,618,774	$ 67,696,695

Included in the amounts above are approximately $1,000 and $10,000 of deferred loan origination fees and costs as of December 31, 2018 and 2017, respectively. Also, included in the amounts above are approximately $74,000 and $92,000 of premiums and discounts on loans acquired as of December 31, 2018 and 2017, respectively.

Allowance for Loan Losses Account

The following summarizes the activity in the allowance for loan losses account:

	For the year ending December 31, 2018		
	Residential Real Estate	Consumer	Total
Allowance for loan losses:			
Beginning balance	$ 78,198	$ 430,217	$ 508,415
Provision for loan losses	14,433	528,825	543,258
Recoveries on previous loan losses	9,697	129,517	139,214
Loans receivable charged off	(1,832)	(513,514)	(515,346)
Ending balance	$ 100,496	$ 575,045	$ 675,541
Allowance for loan losses:			
Individually evaluated for impairment	$ 45,043	$ 163,750	$ 208,793
Collectively evaluated for impairment	55,453	411,295	466,748
Total allowance for loan losses	$ 100,496	$ 575,045	$ 675,541
Loans receivables:			
Individually evaluated for impairment	$ 175,647	$ 324,811	$ 500,458
Collectively evaluated for impairment	37,100,347	44,693,510	81,793,857
Total loans receivables	$ 37,275,994	$ 45,018,321	$ 82,294,315

	For the year ending December 31, 2017		
	Residential Real Estate	Consumer	Total
Allowance for loan losses:			
Beginning balance	$ 111,640	$ 460,026	$ 571,666
Provision for loan losses	(79,483)	260,244	180,761
Recoveries on previous loan losses	55,369	161,608	216,977
Loans receivable charged off	(9,328)	(451,661)	(460,989)
Ending balance	$ 78,198	$ 430,217	$ 508,415
Allowance for loan losses:			
Individually evaluated for impairment	$ 57,937	$ 143,466	$ 201,403
Collectively evaluated for impairment	20,261	286,751	307,012
Total allowance for loan losses	$ 78,198	$ 430,217	$ 508,415
Loans receivables:			
Individually evaluated for impairment	$ 219,496	$ 313,686	$ 533,182
Collectively evaluated for impairment	26,756,893	40,915,035	67,671,928
Total loans receivables	$ 26,976,389	$ 41,228,721	$ 68,205,110

Impaired Loans

The Credit Union considers loans impaired when, based on current information, it is probable that the Credit Union will not collect all principal and interest payments according to contractual terms. Loans are evaluated for impairment in accordance with the Credit Union's portfolio monitoring and ongoing risk assessment procedures. Management considers the financial condition of the borrower, cash flow of the borrower, payment status of the loan, and the value of the collateral, if any, securing the loan. Generally, impaired loans do not include large groups of smaller balance homogenous loans such as residential real estate and consumer type loans which are evaluated collectively for impairment and are generally placed on nonaccrual when the loan becomes 60 days past due as to principal or interest. Loans specifically reviewed for impairment are not considered impaired during periods of "minimal delay" in payment (60 days or less) provided eventual collection of all amounts due is expected. The impairment of a loan is measured based on the present value of expected future cash flows, discounted at the loan's effective interest rate, or the fair value of the collateral if repayment is expected to be provided solely by the collateral. In appropriate circumstances, interest income on impaired loans may be recognized on a cash basis.

The following table includes the unpaid principal balances for impaired financing receivables with the associated allowance amount, if applicable. Also presented is the average ending principal balance of the impaired loans and the related allowance recognized during the time the loans were impaired.

	As of December 31, 2018		
	Unpaid Principal Balance	Related Allowance	Average Ending Principal Balance
With a related allowance recorded:			
Residential first mortgage real estate	$ -	$ -	$ -
Residential second mortgage real estate	81,860	45,043	20,465
Consumer secured	280,465	135,677	9,671
Consumer unsecured	44,346	28,073	1,584
With no related allowance recorded:			
Residential first mortgage real estate	$ 93,787	$ -	$ 97,787
Residential second mortgage real estate	-	-	-
Consumer secured	-	-	-
Consumer unsecured	-	-	-
Total:			
Residential real estate	$ 175,647	$ 45,043	$ 35,129
Consumer	$ 324,811	$ 163,750	$ 5,698

	As of December 31, 2017		
	Unpaid Principal Balance	Related Allowance	Average Ending Principal Balance
With a related allowance recorded:			
Residential first mortgage real estate	$ -	$ -	$ -
Residential second mortgage real estate	219,496	57,937	43,899
Consumer secured	243,142	98,349	12,157
Consumer unsecured	70,544	45,117	2,075
With no related allowance recorded:			
Residential first mortgage real estate	-	-	-
Residential second mortgage real estate	-	-	-
Consumer secured	-	-	-
Consumer unsecured	-	-	-
Total:			
Residential real estate	$ 219,496	$ 57,937	$ 43,899
Consumer	$ 313,686	$ 143,466	$ 14,232

Past Due Loans by Class

The following tables present the aging of the recorded investment in past due loans by class of loans.

	As of December 31, 2018			
	Current	60-89 Days Past Due	90 Days or > Past Due	Total
Residential first mortgage real estate	$ 23,497,511	$ -	$ 285,955	$ 23,783,466
Residential second mortgage real estate	13,376,693	-	115,835	13,492,528
Consumer secured	30,023,574	158,638	175,049	30,357,261
Consumer unsecured	14,618,178	23,306	19,576	14,661,060
Total	$ 81,515,956	$ 181,944	$ 596,415	$ 82,294,315

	As of December 31, 2017			
	Current	60-89 Days Past Due	90 Days or > Past Due	Total
Residential first mortgage real estate	$ 13,470,347	$ -	$ 93,787	$ 13,564,134
Residential second mortgage real estate	13,402,104	-	10,151	13,412,255
Consumer secured	27,217,858	77,187	134,148	27,429,193
Consumer unsecured	13,768,672	20,611	10,245	13,799,528
Total	$ 67,858,981	$ 97,798	$ 248,331	$ 68,205,110

The accrual of interest income on loans, is discontinued at the time the loan is sixty days past due or when the collection of interest or principal becomes uncertain, unless the credit is well-secured and in the process of collection. Loans on which the accrual of interest has been discontinued approximated $778,000 and $346,000 as of December 31, 2018 and 2017, respectively. There were no loans sixty days or more past due and still accruing interest as of December 31, 2018 or 2017.

Loans are assessed for credit quality based on the contractual aging status of the loan and payment activity. Such assessment is completed at the end of each audit period.

The following is a summary of loans based on credit quality:

	As of December 31, 2018		
	Performing	Nonperforming	Total
Residential first mortgage real estate	$ 23,497,511	$ 285,955	$ 23,783,466
Residential second mortgage real estate	13,376,693	115,835	13,492,528
Consumer secured	30,182,212	175,049	30,357,261
Consumer unsecured	14,641,484	19,576	14,661,060
Total	$ 81,697,900	$ 596,415	$ 82,294,315

	As of December 31, 2017		
	Performing	Nonperforming	Total
Residential first mortgage real estate	$ 13,470,347	$ 93,787	$ 13,564,134
Residential second mortgage real estate	13,402,104	10,151	13,412,255
Consumer secured	27,295,045	134,148	27,429,193
Consumer unsecured	13,789,283	10,245	13,799,528
Total	$ 67,956,779	$ 248,331	$ 68,205,110

Internally assigned loan grades are defined as follows:

Performing - A performing loan's primary source of loan repayment is satisfactory, with secondary sources very likely to be realized if necessary.

Nonperforming - A loan classified as nonperforming is considered potentially uncollectible with a likelihood of charge-off. This classification does not mean that the loan has absolutely no recovery or salvage value, but rather it means that charge-off is likely in the near future.

Troubled Debt Restructurings (TDR)

In situations where, for economic or legal reasons related to a member's financial difficulties, the Credit Union grants a concession for other than an insignificant period of time to the member that the Credit Union would not otherwise consider, the related loan is classified as a TDR. The Credit Union strives to identify members in financial difficulty early and work with them to modify to more affordable terms before their loan reaches nonaccrual status. These modified terms may include interest rate reductions, principal forgiveness, payment forbearance and other actions intended to minimize the economic loss and to avoid foreclosure or repossession of the collateral. In cases where the Credit Union grants the member new terms deemed to be a concession, the Credit Union measures any impairment on the restructuring using the methodology for individually impaired loans. Loans classified as TDRs are reported as impaired loans.

The following is a summary of information pertaining to troubled debt restructurings that occurred during the audit periods:

	For the year ending December 31, 2018		
Troubled debt restructurings:	**# of Loans**	**Pre-Modification Recorded Investment**	**Post-Modification Recorded Investment**
Residential real estate	1	$ 32,020	$ 32,020
Consumer	4	$ 33,525	$ 33,525

Troubled debt restructurings that subsequently defaulted:	**# of Loans**	**Balance**
Residential real estate	1	$ 32,020
Consumer	0	$ -

	For the year ending December 31, 2017		
Troubled debt restructurings:	**# of Loans**	**Pre-Modification Recorded Investment**	**Post-Modification Recorded Investment**
Residential real estate	0	$ -	$ -
Consumer	6	$ 75,248	$ 75,248

Troubled debt restructurings that subsequently defaulted:	**# of Loans**	**Balance**
Residential real estate	0	$ -
Consumer	2	$ 41,068

NOTE 4: PREMISES AND EQUIPMENT

Premises and equipment consist of the following:

	December 31, 2018	December 31, 2017
Furniture and equipment	$ 2,482,764	$ 3,095,633
Less accumulated depreciation	(2,055,219)	(2,565,216)
Premises and equipment, net	$ 427,545	$ 530,417

NOTE 5: MEMBERS' SHARE AND SAVINGS ACCOUNTS

Members' share and savings accounts consist of the following:

	December 31, 2018	December 31, 2017
Share draft accounts	$ 33,265,013	$ 32,906,351
Money market accounts	18,981,046	17,789,823
Share accounts	70,526,022	64,272,344
Certificate accounts	8,526,704	9,180,593
Total	$ 131,298,785	$ 124,149,111

The aggregate amount of certificate accounts in denominations of $250,000 or more were approximately $548,000 and $547,000 as of December 31, 2018 and 2017, respectively.

The aggregate amount of members' share and saving accounts maintaining a negative balance that were reclassed to loans receivable were approximately $46,000 as of December 31, 2018 and 2017.

As of December 31, 2018, scheduled maturities of certificate accounts are as follows:

Year Ending December 31,		Amount
2019	$	6,221,989
2020		2,156,299
2021		148,416
Total	$	8,526,704

The National Credit Union Share Insurance Fund insures members' shares up to $250,000. This includes all account types, such as savings, checking, money market, and certificates of deposit. Individual Retirement Account coverage is an additional $250,000.

NOTE 6: EMPLOYEE BENEFITS

Pension Plans

Certain salaried employees of the Credit Union were participants in Duke University's contributory defined contribution pension plan. In addition, other full-time employees participate in Duke University's noncontributory defined benefit pension plan. It is not possible to determine the net pension expense for the Credit Union for the year ending December 31, 2018 and 2017 or to present separately the actuarial present value of benefit obligations or the net assets available for benefits of the Credit Union because no determination has been made of the allocation of such amounts between Duke University and the Credit Union.

The Credit Union also participates in Duke University's unfunded defined benefit postretirement medical plan. The plan covers all full time status employees who elect coverage and satisfy the plan's requirements when they retire. It is not possible to determine the net periodic postretirement benefit cost attributed to the Credit Union for the year ending December 31, 2018 and 2017, nor is it possible to present separately the actuarial accumulated postretirement benefit obligation for the Credit Union because no determination has been made of the allocation of such amounts between Duke University and the Credit Union.

NOTE 7: COMMITMENTS AND CONTINGENT LIABILITIES

The Credit Union has entered into various leasing agreements. The minimum remaining non-cancelable lease obligations are approximately the following as of December 31, 2018:

Year Ending December 31,		**Amount**
2019	$	424,000
2020		432,000
2021		441,000
2022		450,000
2023		190,000
Total	$	1,937,000

Total rental expenses approximated $449,000 and $447,000 for the years ended December 31, 2018 and 2017, respectively.

Legal contingencies

The Credit Union is a party to various miscellaneous legal actions normally associated with financial institutions, the aggregate of which, in Management's opinion, would not be material to the Credit Union's financial condition.

Off-Balance-Sheet Risk

The Credit Union is a party to conditional commitments to lend funds in the normal course of business to meet the financing needs of its members. These commitments represent financial instruments to extend credit which include lines of credit, credit cards, and home equity lines that involve, to varying degrees, elements of credit and interest rate risk in excess of the amount recognized in the financial statements.

The Credit Union's exposure to credit loss is represented by the contractual notional amount of these instruments. The Credit Union uses the same credit policies in making commitments as it does for loans recorded in the financial statements.

Unfunded loan commitments under lines-of-credit are summarized as follows:

	December 31, 2018	December 31, 2017
Share draft line of credit	$ 6,854,425	$ 6,789,268
Credit card	5,537,698	5,272,683
Home equity	4,924,151	4,526,454
Overdraft protection	3,203,375	3,120,132
Commercial	427,948	-
Total	$ 20,947,597	$ 19,708,537

Commitments to extend credit are agreements to lend to a member as long as there is no violation of any condition established in the contract. Commitments generally have fixed expiration dates or other termination clauses and may require payment of a fee. Because many of the commitments are expected to expire without being drawn upon, the total commitment amounts do not necessarily represent future cash requirements. The Credit Union evaluates each member's credit worthiness on a case-by-case basis. The amount of collateral obtained to secure borrowing on the lines of credit is based on Management's credit evaluation of the member.

Unfunded commitments under lines-of-credit and revolving credit lines are commitments for possible future extensions of credit to existing members. These lines-of-credit are uncollateralized with the exception of home-equity loans and usually do not contain a specified maturity date and ultimately may not be drawn upon to the total extent to which the Credit Union is committed.

Concentrations of Credit Risk

A significant amount of the Credit Union's business activity is with its members who are employees or former employees and students of Duke University. The Credit Union may be exposed to credit risk from a regional economic standpoint, since a significant concentration of its borrowers work or reside in the Durham, NC area. However, the loan portfolio is well diversified and the Credit Union does not have any significant concentrations of credit risk except unsecured loans, which by their nature increase the risk of loss compared to those loans that are collateralized. The Credit Union's policy for repossessing collateral is that when all other collection efforts have been exhausted, the Credit Union enforces its first lien holder status and repossesses the collateral. The Credit Union has full and complete access to repossessed collateral. Repossessed collateral normally consists of vehicles and residential real estate.

NOTE 8: RENTS UNDER OPERATING LEASES

The Credit Union leases office space to unrelated parties. These leases are classified as operating leases. Certain of these leases contain options to renew. The rental revenue recognized by the Credit Union was approximately $18,000 for the years ended December 31, 2018 and 2017. The rental revenue includes reimbursement for various operating costs including common area maintenance, property taxes, and parking income.

A summary of the minimum future rents under the operating leases that have remaining noncancelable lease terms in excess of one year are as follows:

Year Ending December 31,	Minimum Future Rents
2019	$ 18,000
2020	18,000
2021	19,000
2022	19,000
Total	$ 74,000

NOTE 9: BORROWED FUNDS

Corporate Line-of-Credit

As of December 31, 2018 and 2017, the Credit Union had an unused line-of-credit with Vizo Financial Corporate Credit Union. The terms of the agreement require the pledging of all present and future loans and equipment as security for obligations under this line-of-credit agreement. The interest rate terms under this line-of-credit agreement are variable. The total line-of-credit was $7,500,000 as of December 31, 2018 and 2017. There were no outstanding borrowings as of these dates.

Federal Reserve Bank Line-of-Credit

As of December 31, 2018 and 2017, the Credit Union had the ability to borrow from the Federal Reserve for emergency liquidity needs. The Credit Union would need to pledge investments in order to borrow. There were no investments pledged nor any outstanding borrowing with the Federal Reserve as of December 31, 2018 and 2017.

Federal Home Loan Bank

As of December 31, 2018 and 2017, the Credit Union established the ability to borrow from the FHLB of Atlanta for liquidity needs. The Credit Union would need to pledge real estate loans and/or investments in order to borrow. There were no items pledged nor any outstanding borrowing with the FHLB of Atlanta as of December 31, 2018 and 2017.

NOTE 10: CAPITAL REQUIREMENTS

The Credit Union is subject to various regulatory capital requirements administered by the NCUA. Failure to meet minimum capital requirements can initiate certain mandatory and possibly additional discretionary actions by regulators that, if undertaken, could have a direct material effect on the Credit Union's financial statements. Under capital adequacy regulations and the regulatory framework for prompt corrective action, the Credit Union must meet specific capital regulations that involve quantitative measures of the Credit Union's assets, liabilities, and certain off-balance-sheet items as calculated under accounting standards generally accepted in the United States of America. The Credit Union's capital amounts and net worth classification are also subject to qualitative judgments by the regulators about components, risk weightings, and other factors.

Quantitative measures established by regulation to ensure capital adequacy require the Credit Union to maintain minimum amounts and ratios (set forth in the table below) of net worth to total assets. Furthermore, credit unions over $50,000,000 in assets are also required to determine if they meet the definition of a "complex" credit union as defined by regulation. The minimum risk-based net worth ratio to be considered complex under the regulatory framework is 6.00%. If the Credit Union falls under the "complex" category, an additional Risk-Based Net Worth (RBNW) requirement may be imposed that could result in capital requirements in excess of minimum levels established for non-complex credit unions.

Key aspects of the Credit Union's minimum capital amounts and ratios are summarized as follows:

	Risk Based Net Worth Ratio	
	December 31, 2018	**December 31, 2017**
Risk Based Net Worth Ratio	4.75%	5.21%
Credit Union considered complex?	No	No

	General Capital Requirements			
	December 31, 2018		**December 31, 2017**	
	Amount	**Requirement /Ratio**	**Amount**	**Requirement /Ratio**
Amount needed to be classified as "well capitalized"	$ 10,055,680	7.00%	$ 9,469,185	7.00%
Regulatory net worth	$ 11,897,762	8.28%	$ 10,733,828	7.93%

NOTE 11: RELATED PARTY TRANSACTIONS

In the normal course of business, the Credit Union extends credit to Directors, Supervisory Committee members and executive officers. The aggregate loans to related parties as of December 31, 2018 and 2017, were approximately $165,000 and $145,000, respectively. Shares from related parties as of December 31, 2018 and 2017, amounted to approximately $557,000 and $416,000, respectively.

NOTE 12: FAIR VALUE MEASUREMENTS

Recurring Basis

The Credit Union uses fair value measurements to record fair value adjustments to certain assets and liabilities and to determine fair value disclosures. For additional information on how the Credit Union measures fair value, refer to Note 1 - Significant Accounting Policies. The following tables present the balances of the assets and liabilities measured at fair value on a recurring basis:

	December 31, 2018			
	Total	**Level 1**	**Level 2**	**Level 3**
Available-for-sale investments	$ 23,686,280	$ -	$ 23,686,280	$ -

	December 31, 2017			
	Total	**Level 1**	**Level 2**	**Level 3**
Available-for-sale investments	$ 23,654,040	$ -	$ 23,654,040	$ -

	December 31, 2018			
	Total	**Level 1**	**Level 2**	**Level 3**
Assets acquired in liquidation	$ 40,374	$ -	$ 40,374	$ -

	December 31, 2017			
	Total	**Level 1**	**Level 2**	**Level 3**
Assets acquired in liquidation	$ 123,719	$ -	$ 123,719	$ -

Available-for-Sale Securities: Fair values for securities are based on quoted market prices, where available. If quoted market prices are not available, fair values are based on quoted market prices of comparable instruments, or on discounted cash flow models based on the expected payment characteristics of the underlying instruments.

Assets acquired in liquidation: Fair value is measured based on the appraised value of the collateral. Collateral may be real estate, vehicles and/or business assets including equipment, inventory and/or accounts receivable and is determined based on appraisals by qualified licensed appraisers hired by the Credit Union. Appraised and reported values may be discounted based on management’s historical knowledge, changes in market conditions from the time of valuation, and/or management’s expertise and knowledge of the member and member’s business.

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