2022 Quarterly Report Third Quarter



For the Quarter Ended September 30, 2022

REPORT OF MANAGEMENT

The undersigned certify that we have reviewed this report, that it has been prepared in accordance with all applicable statutory or regulatory requirements, and that the information contained herein is true, accurate and complete to the best of our knowledge and belief.

/s/ Joe H. Hayman Joe H. Hayman, Chief Executive Officer

November 9, 2022

/s/ Nicholas Acosta Nicholas Acosta, Chief Financial Officer

November 9, 2022

/s/ Brent Neuhaus Brent Neuhaus, Chairman, Board of Directors

November 9, 2022

/s/ David Conrad David Conrad, Chairman, Audit Committee

November 9, 2022

Third Quarter 2022 Financial Report

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LONE STAR, ACA MANAGEMENT'S DISCUSSION AND ANALYSIS

The following discussion and analysis reviews the consolidated financial performance of the Lone Star, ACA, (ACA) including its wholly-owned subsidiaries Lone Star, FLCA and Lone Star, PCA, (collectively referred to herein as the "Association") for the three and nine months ended September 30, 2022. The discussion should be read in conjunction with the Association's Annual Report to Stockholders, and notes thereto, for the year ended December 31, 2021. Operating results for the three and nine months ended September 30, 2022, are not necessarily indicative of the results for the year ending December 31, 2022, or any future period.

The Association is a member of the Farm Credit System (System), a nationwide network of cooperatively owned financial institutions established by and subject to the provisions of the Farm Credit Act of 1971, as amended, and the regulations of the Farm Credit Administration (FCA) promulgated thereunder.

Since 1917, the Association and its predecessors have provided its members with quality financial services. The Board and management remain committed to maintaining the financial integrity of the Association while offering competitive loan products that meet the financial needs of agricultural producers.

The consolidated financial statements comprise the operations of the ACA and its wholly-owned subsidiaries. The consolidated financial statements were prepared under the oversight of the Association's Audit Committee.

Patronage Refunds by Association:

In December 2021, the Board declared a cash patronage in the amount of \$24,154,277 paid in February 2022, based on 2021 earnings. The patronage was paid to eligible borrowers based on their average outstanding loan balance for the year ending December 31, 2021. The Association's permanent capital remains strong after the declaration and distribution of patronage at 15.1 percent for the period ending September 30, 2022.

Patronage Refunds Received from the Farm Credit Bank of Texas (Bank):

The following table provides information on the patronage received from the Bank for the year ended December 31, 2021:

\$ 11,413,146	
534,798	
114,337	
\$ 12,062,281	
	\$ 11,413,146 534,798 114,337 \$ 12,062,281

The direct loan patronage received represents 65 basis points on average daily balance of the Association's direct loan with the Bank.

Loan Portfolio:

The Association makes and services loans to farmers, ranchers, rural homeowners and certain farm-related businesses. The Association's loan volume consists of long-term farm mortgage loans, production and intermediate-term loans, farm-related business loans and rural infrastructure loans through purchased participations. These loan products are available to eligible borrowers with competitive variable, fixed, adjustable, SOFR-based, and prime-based interest rates. Commercial loans primarily consist of operating loans and short-term loans for working capital, equipment and livestock. Mortgage loans primarily consist of 15- to 30- year maturities. Loans serviced by the Association offer several installment payment cycles, the timing of which usually coincides with the seasonal cash-flow capabilities of the borrower.

Total loans outstanding at September 30, 2022, including nonaccrual loans, were \$2,474,302,231 compared to \$2,287,885,939 at December 31, 2021, reflecting an increase of 8.2 percent. Total nonaccrual loans outstanding at September 30, 2022, were \$2,983,839 compared to \$3,231,936 at December 31, 2021, reflecting a decrease of 7.7 percent. Nonaccrual loans as a percentage of total loans outstanding were 0.1 percent at September 30, 2022, compared to 0.1 percent at December 31, 2021. Total impaired loans outstanding at September 30, 2022, were \$3,094,823 compared to \$3,333,584 at December 31, 2021, reflecting a decrease of 7.2 percent. Impaired loans as a percentage of total loans outstanding were 0.1 percent at September 30, 2022, compared to 0.1 percent at December 31, 2021.

The Association recorded \$8,053 in recoveries and no charge-offs for the quarter ended September 30, 2022, and \$421,137 in recoveries and \$20,889 in charge-offs for the same period in 2021. The Association's allowance for credit losses was 0.3 percent and 0.3 percent of total loans outstanding as of September 30, 2022, and December 31, 2021, respectively.

Risk Exposure:

High-risk assets include nonaccrual loans, loans that are past due 90 days or more and still accruing interest, formally restructured loans and other property owned. The following table illustrates the Association's components and trends of high-risk assets.

		September 30	0,2022	 December 3	1, 2021		
	Amount		Amount		%	Amount	%
Nonaccrual	\$	2,983,839	96.4%	\$ 3,231,936	97.0%		
Accruing restructured loans		110,984	3.6%	 101,648	3.0%		
Total	\$	3,094,823	100.0%	\$ 3,333,584	100.0%		

At September 30, 2022 and December 31, 2021, the Association held no property classified as other property owned and loans that are past 90 days or more and still accruing interest.

Results of Operations:

The Association had net income of \$11,897,658 and \$38,441,703 for the three and nine months ended September 30, 2022, as compared to net income of \$13,793,514 and \$35,294,808 for the same period in 2021, reflecting a decrease of 13.7 percent and an increase of 8.9 percent, respectively. Net interest income was \$17,353,076 and \$50,670,936 for the three and nine months ended September 30, 2022, compared to \$18,113,900 and \$45,873,006 for the same period in 2021, respectively.

	Nine Months Ended								
	September			September 30,					
	2022	,		202	1				
	Average			Average					
	Balance	Interest		Balance		Interest			
Loans	\$ 2,408,946,003	\$ 83,547,6	526 \$	2,068,166,139	\$	70,982,377			
Total interest-earning assets	2,408,946,003	83,547,6	526	2,068,166,139		70,982,377			
Interest-bearing liabilities	2,031,987,965	32,876,6	<u> </u>	1,710,538,527		25,109,371			
Impact of capital	\$ 376,958,038		\$	357,627,612					
Net interest income		\$ 50,670,9	36		\$	45,873,006			
	_								
	2022			202	1				
	Average Y	ield .		Average	Yiel	ld			
Yield on loans	4.64%	ı		4.59%					
Total yield on interest-									
earning assets	4.64%)		4.599	⁄o				
Cost of interest-bearing									
liabilities	2.16%	1		1.969	%				
Interest rate spread	2.48%	1		2.63%					
Net interest income as a									
percentage of average									
earning assets	2.81%	1		2.979	%				
		Nine i	nonths end	led:					
	September 30, 2022 vs. September 30, 2021								
		Increase	(decrease)	due to		_			
	Volum	e	Rate	Total		<u> </u>			
Interest income - loa	sins \$11,696,	148 \$	869,101	\$12,565,2	249				
Interest expense	4,718,	512	3,048,707	7,767,	319	_			
Net interest income	\$ 6,977,	536 \$	(2,179,606	\$ 4,797,9	930	=			

Interest income for the three and nine months ended September 30, 2022, increased by \$3,287,489 and \$12,565,249, or 12.3 percent and 17.7 percent, respectively, from the same period of 2021, primarily due to an increase in average interest-earning assets and yield on interest-earning assets. Interest expense for the three and nine months ended September 30, 2022, increased by \$4,048,313 and \$7,767,319, or 46.9 percent and 30.9 percent, respectively, from the same period of 2021, due to an increase in average interest-bearing liabilities and the cost of interest-bearing liabilities. Average loan volume for the third quarter of 2022 was \$2,471,846,277,

compared to \$2,118,797,503 in the third quarter of 2021. The average net interest rate spread on the loan portfolio for the third quarter of 2022 was 2.42 percent, compared to 3.06 percent in the third quarter of 2021.

The Association's return on average assets for the nine months ended September 30, 2022, was 2.09 percent, compared to 2.24 percent for the same period in 2021. The Association's return on average equity for the nine months ended September 30, 2022, was 12.68 percent, compared to 12.43 percent for the same period in 2021.

Noninterest income for the three and nine months ended September 30, 2022, increased by \$864,929 and \$2,297,902, or 27.9 percent and 24.7 percent, respectively, from the same period of 2021, primarily due to an increase in patronage income from the Bank. Noninterest expenses for the three and nine months ended September 30, 2022, increased by \$1,515,241 and \$3,876,484, or 19.2 percent and 18.4 percent, respectively, from the same period of 2021, primarily due to an increase in insurance fund premiums, as the premium rate was increased effective January 2022, and an increase in salary and employee benefits attributed to planned staffing changes.

Provisions for credit losses for the three and nine months ended September 30, 2022, increased by \$439,855 and \$20,684, or 105.4 and 1.8 percent, respectively, from the same period of 2021, primarily due to an increase in loan assets in 2022 and reversal of provision for credit losses for the three months ended September 30, 2021, due to recoveries.

Liquidity and Funding Sources:

The Association secures the majority of its lendable funds from the Bank, which obtains its funds through the issuance of System-wide obligations and with lendable equity. The following schedule summarizes the Association's borrowings.

	September 30,	December 31,
	 2022	 2021
Note payable to the Bank	\$ 2,088,342,004	\$ 1,900,150,481
Accrued interest on note payable	 4,249,371	 3,072,087
Total	\$ 2,092,591,375	\$ 1,903,222,568

The outstanding balance of the note payable to the Bank was \$2,088,342,004 as of September 30, 2022, and is recorded as a liability on the Association's balance sheet. The note carried a weighted average interest rate of 2.53 percent at September 30, 2022. The indebtedness is collateralized by a pledge of substantially all of the Association's assets to the Bank and is governed by the General Financing Agreement (GFA). The increase in note payable to the Bank since December 31, 2021, correlates directly with the overall increase in the Association accrual loan volume for the period. The Association's own funds, which represent the amount of the Association's loan portfolio funded by the Association's equity, were \$389,642,199 at September 30, 2022. The maximum amount the Association may borrow from the Bank as of September 30, 2022, was \$2,480,108,462 as defined by the GFA. The indebtedness continues in effect until the expiration date of the GFA, which is September 30, 2023, unless sooner terminated by the Bank upon the occurrence of an event of default, or by the Association, in the event of a breach of this agreement by the Bank, upon giving the Bank 30 calendar days' prior written notice, or in all other circumstances, upon giving the Bank 120 days' prior written notice.

Capital Resources:

The Association's capital position increased by \$38,482,040 at September 30, 2022, compared to December 31, 2021. The Association's debt as a percentage of members' equity was 4.97:1 as of September 30, 2022, compared to 5.04:1 as of December 31, 2021.

FCA regulations require the Association to maintain minimums for various regulatory capital ratios. New regulations became effective January 1, 2017, which replaced the previously required core surplus and total surplus ratios with common equity tier 1, tier 1 capital, and total capital risk-based capital ratios. The new regulations also added tier 1 leverage and unallocated retained earnings and equivalents (UREE) ratios. The permanent capital ratio continues to remain in effect, with some modifications to align with the new regulations. As of September 30, 2022, the Association exceeded all regulatory capital requirements.

Economic Conditions:

The Association continues to fulfill its mission to support agriculture and rural communities by providing access to reliable and consistent credit. The Association is closely monitoring its loan portfolio overall and is particularly focused on sectors that may be pressured by COVID-19 and its related economic impacts, such as oil and gas, food processing, timber and beef cattle. The Association has adjusted its portfolio monitoring and servicing practices. Capital levels remained strong to support any adversity.

Inflationary pressures continued during the third quarter of 2022. The Federal Open Market Committee (FOMC) has increased the target federal funds rate by a total of 300 basis points through the end of the third quarter, including three consecutive 75-basis-point increases in June, July, and September. As of September 30, 2022, the federal funds target range rate is 3.00 - 3.25 percent. The FOMC is strongly committed to returning inflation to its 2 percent long-run objective. The Consumer Price Index for All Urban Consumers increased by 8.3 percent for the 12-month period ending August 2022, up from 5.2 percent for the same period last year, but down from a peak of 9.0 percent reached in June 2022.

On September 29, 2022, the U.S. Bureau of Economic Analysis (BEA) released its third estimate of real gross domestic product (GDP). BEA confirmed that the U.S. economy experienced two consecutive quarters of negative growth during the first and second quarters of 2022, contracting at annualized rates of -1.6 percent and -0.6 percent, respectively.

Respondents to the Federal Reserve Bank of Philadelphia's Third Quarter 2022 Survey of Professional Forecasters released in August estimated that real GDP growth would reach an annual rate of 1.4 percent during the third quarter. According to the International Monetary Fund's latest World Economic Outlook released in July 2022, U.S. real GDP growth is estimated to be 2.3 percent in 2022 and 1.0 percent in 2023. The most recent data available from the U.S. Bureau of Labor Statistics indicates that the U.S. unemployment rate was 3.7 percent in August, slightly up from 3.6 percent in June, but down from 5.2 percent in August 2021.

In terms of the Texas District, second quarter real GDP growth rates released by BEA on September 30 ranged from 1.8 percent in Texas to -3.0 percent in Louisiana. Likewise, the August unemployment rates ranged from 2.6 percent in Alabama to 4.4 percent in New Mexico, relatively close to the national average of 3.7 percent.

The West Texas Intermediate (WTI) crude oil futures price declined from an average of about \$109 per barrel in the second quarter to an average of about \$91 per barrel during the third quarter of 2022. However, quarterly average WTI crude oil prices increased by nearly 30 percent year-over-year (YOY). In its September Short Term Energy Outlook (STEO), the U.S. Energy Information Administration estimated that WTI prices would average about \$98 per barrel in 2022, down about \$4 per barrel from its June estimate. The September STEO also states that natural gas prices increased in August, reflecting continued strong demand from the electric power sector, keeping natural gas inventories below their five-year average.

In September 2022, the U.S. Department of Agriculture (USDA) presented its latest farm income forecast. Net farm income (nominal) is forecast at \$147.70 billion in 2022, up about 5.2 percent YOY. Total production expenses (nominal) are forecast to increase by about 17.8 percent in 2022. Farm sector assets and equity are both forecast to increase by about 9.7 percent and 10.4 percent, respectively, while farm debt is forecast to decrease by about 4.6 percent in nominal terms. The debt-to-assets ratio is forecast to continue improving in 2022.

According to USDA's September 2022 World Agricultural Supply and Demand Estimates report, average farm prices for corn, soybeans and cotton will increase during the 2022/23 marketing year. Similarly, steer prices are estimated to have averaged higher during the third quarter of 2022 compared to the prior quarter and are expected to continue rising during the fourth quarter. Overall, steers, broilers and turkeys are projected to experience double-digit increases in 2022 while barrows and gilts prices are projected to rise by about 6 percent. The USDA is similarly projecting high inflation in all-milk, with prices reaching an average of about \$25 per hundredweight (cwt) during 2022, before declining to around \$22/cwt in 2023. Lumber prices continued to trend lower during the third quarter of 2022 and decreased approximately 33 percent YOY.

The Federal Reserve Bank of Dallas released its third quarter Eleventh District Agricultural Survey on October 3, 2022. The Eleventh District includes Texas, southern New Mexico, and northern Louisiana. Survey respondents noted that extreme dry conditions continued to negatively impact agricultural production, particularly for cotton and pasture. At the end of September, more than 30 percent of Texas land area was experiencing drought conditions classified as severe, extreme, or exceptional. Currently, the impact of the drought is not materially impacting borrowers for which the Association has interests or credit quality in the Texas District. However, the uncertainty concerning the length and ultimate severity of the drought may have future impacts. The Association will continue to monitor the drought and associated impacts.

Agricultural producers may be negatively affected during the remainder of 2022 by several factors, including volatile commodity prices, high input costs, export market disruptions, geopolitical challenges, economic slowdown, and adverse weather conditions.

Significant Recent Accounting Pronouncements:

Refer to Note 1 – "Organization and Significant Accounting Policies" in this quarterly report for disclosures of recent accounting pronouncements which may impact the Association's consolidated financial position and results of operations and for critical accounting policies.

Relationship With the Bank:

The Association's financial condition may be impacted by factors that affect the Bank. The financial condition and results of operations of the Bank may materially affect the stockholder's investment in the Association. The Management's Discussion and Analysis and Notes to Financial Statements contained in the 2021 Annual Report of the Association more fully describe the Association's relationship with the Bank.

The annual and quarterly stockholder reports of the Bank are available free of charge, upon request. These reports can be obtained by writing to Farm Credit Bank of Texas, Corporate Communications, P.O. Box 202590, Austin, Texas 78720, or by calling (512) 483-9204. The annual and quarterly stockholder reports are also available on its website at *www.farmcreditbank.com*.

The Association's annual and quarterly stockholder reports are also available free of charge, upon request. The annual and quarterly stockholder reports are available approximately 75 days after year end and 40 days after quarter end, respectively, and can be obtained by writing to Lone Star, ACA, 1612 Summit Avenue, Suite 300, Fort Worth, Texas 76102 or calling (817) 332-6565. The annual and quarterly stockholder reports for the Association are also available on its website at www.lonestaragcredit.com. Copies of the reports can also be requested by e-mailing ShareHolderRelations@lonestaragcredit.com.

CONSOLIDATED BALANCE SHEETS

	September 30, 2022 (unaudited)			December 31, 2021
<u>ASSETS</u>				
Cash	\$	157,090	\$	39,698
Loans		2,474,302,231		2,287,885,939
Less: allowance for credit losses		(6,248,168)		(7,335,544)
Net loans		2,468,054,063		2,280,550,395
Accrued interest receivable		13,480,478		10,679,191
Investment in and receivable from the Bank:				
Capital stock		34,504,030		34,514,975
Other		11,300,897		822,414
Premises and equipment, net		3,739,124		3,395,415
Other as sets		4,008,414		3,727,848
Total assets	\$	2,535,244,096	\$	2,333,729,936
LIABILITIES Note payable to the Bank Accrued interest payable Drafts outstanding Patronage dividends payable Other liabilities Total liabilities	\$	2,088,342,004 4,249,371 74,906 - 17,759,688 2,110,425,969	\$	1,900,150,481 3,072,087 83,927 24,154,277 19,933,077 1,947,393,849
MEMBERS' EQUITY Capital stock and participation certificates Additional paid-in capital Unallocated retained earnings Accumulated other comprehensive loss Total members' equity Total liabilities and members' equity	<u> </u>	5,872,550 91,343,553 328,532,890 (930,866) 424,818,127 2,535,244,096	<u> </u>	5,929,630 91,343,553 290,017,251 (954,347) 386,336,087 2,333,729,936
1 otal habilities and members equity	Ψ	2,333,27 7 ,070	Ψ	2,333,127,730

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

CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME

(unaudited)

	Three Months Ended September 30,			Nine Months Ended September 30,				
		2022		2021		2022		2021
INTEREST INCOME								
Loans	\$	30,031,328	\$	26,743,839	\$	83,547,626	\$	70,982,377
Total interest income		30,031,328		26,743,839		83,547,626		70,982,377
INTEREST EXPENSE								
Note payable to the Bank		12,678,186		8,629,900		32,876,425		25,109,077
Advance conditional payments		66		39		265		294
Total interest expense		12,678,252		8,629,939		32,876,690		25,109,371
Net interest income		17,353,076		18,113,900		50,670,936		45,873,006
PROVISION FOR (REVERSAL OF) CREDIT LOSSES		22,530		(417,325)		(1,117,240)		(1,137,924)
Net interest income after								
provision for (reversal of) credit losses		17,330,546		18,531,225		51,788,176		47,010,930
NONINTEREST INCOME Income from the Bank:								
Patronage income		3,627,628		2,799,191		10,518,510		8,189,067
Loan fees		175,382		251,856		543,498		702,907
Financially related services income		859		896		2,572		3,124
Gain on sale of premises and equipment, net		125,914		18,263		270,067		215,717
Other noninterest income		34,813		29,461		268,274		194,204
Total noninterest income		3,964,596		3,099,667		11,602,921		9,305,019
NONINTERES T EXPENSES								
Salaries and employee benefits		5,677,585		4,920,200		13,923,692		12,759,938
Directors' expense		117,564		165,415		382,040		390,016
Purchased services		597,967		462,704		1,659,560		1,341,497
Travel		293,337		221,124		704,916		581,859
Occupancy and equipment		677,625		584,854		2,047,630		1,711,651
Communications		69,125		84,825		198,471		329,445
Advertising		269,719		165,739		796,274		389,351
Public and member relations		223,995		271,212		953,946		619,766
Supervisory and exam expense		158,908		115,822		476,726		399,834
Insurance Fund premiums		982,052		653,527		2,858,176		1,896,771
Other components of net periodic postretirement								
benefit cost		50,453		51,407		151,355		154,222
Other noninterest expense		272,917		179,177		777,062		479,014
Total noninterest expenses		9,391,247		7,876,006		24,929,848		21,053,364
Income before income taxes		11,903,895		13,754,886		38,461,249		35,262,585
Provision (benefit) for income taxes		6,237		(38,628)		19,546		(32,223)
NET INCOME		11,897,658		13,793,514		38,441,703		35,294,808
Other comprehensive income:								
Change in postretirement benefit plans		7,827		10,695		23,481		32,085
COMPREHENSIVE INCOME	\$	11,905,485	\$	13,804,209	\$	38,465,184	\$	35,326,893

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

CONSOLIDATED STATEMENT OF CHANGES IN MEMBERS' EQUITY

(unaudited)

	P	Capital Stock/ articipation Certificates	(unaudic Additional id-in-Capital	 Retaine Allocated	d Ear	nings Unallocated	Con	Other nprehensive	 Total Members' Equity
Balance at December 31, 2020 Comprehensive income Capital stock/participation certificates	\$	5,841,380	\$ 91,343,553	\$ - -	\$	267,904,169 35,294,808	\$	(1,060,093) 32,085	\$ 364,029,009 35,326,893
issued		887,755	-	-		-		-	887,755
Capital stock/participation certificates retired Dividends declared		(832,400)	 <u>-</u>	 - -		109,654		<u>-</u>	(832,400) 109,654
Balance at September 30, 2021	\$	5,896,735	\$ 91,343,553	\$ -	\$	303,308,631	\$	(1,028,008)	\$ 399,520,911
Balance at December 31, 2021 Comprehensive income Capital stock/participation certificates issued	\$	5,929,630 - 582,305	\$ 91,343,553	\$ - -	\$	290,017,251 38,441,703	\$	(954,347) 23,481	\$ 386,336,087 38,465,184 582,305
Capital stock/participation certificates retired Dividends declared		(639,385)	 - -	 - -		73,936		- -	(639,385) 73,936
Balance at September 30, 2022	\$	5,872,550	\$ 91,343,553	\$ 	\$	328,532,890	\$	(930,866)	\$ 424,818,127

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

LONE STAR, ACA NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS

(UNAUDITED)

NOTE 1 — ORGANIZATION AND SIGNIFICANT ACCOUNTING POLICIES:

Lone Star, ACA, including its wholly-owned subsidiaries, Lone Star, PCA and Lone Star, FLCA, is a member-owned cooperative which provides credit and credit-related services to, or for the benefit of, eligible borrowers/stockholders for qualified agricultural purposes in the counties of Bell, Borden, Bosque, Bowie, Burnet, Camp, Cass, Cooke, Coryell, Dallas, Delta, Denton, Eastland, Ellis, Erath, Falls, Fannin, Fisher, Freestone, Grayson, Hamilton, Hill, Hood, Johnson, Kent, Lamar, Lampasas, Limestone, McLennan, Milam, Mitchell, Morris, Navarro, Nolan, Palo Pinto, Parker, Red River, Scurry, Shackelford, Somervell, Stephens, Tarrant, Taylor, Throckmorton, Titus, Williamson, Wise and Young in the state of Texas. The Association is a lending institution of the Farm Credit System, which was established by Acts of Congress to meet the needs of American agriculture.

The accompanying unaudited financial statements have been prepared in accordance with accounting principles generally accepted in the U.S. (GAAP) for interim financial information. Accordingly, they do not include all of the disclosures required by GAAP for annual financial statements and should be read in conjunction with the audited financial statements as of and for the year ended December 31, 2021, as contained in the 2021 Annual Report to Stockholders.

In the opinion of management, the accompanying consolidated financial statements contain all adjustments necessary for a fair presentation of the interim financial condition and results of operations and conform with generally accepted accounting principles (GAAP), except for the inclusion of a statement of cash flows. GAAP require a business enterprise that provides a set of financial statements reporting both financial position and results of operations to also provide a statement of cash flows for each period for which results of operations are provided. In regulations issued by FCA, associations have the option to exclude statements of cash flows in interim financial statements. Therefore, the Association has elected not to include a statement of cash flows in these consolidated financial statements. The preparation of financial statements in accordance with GAAP requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. Actual results could differ from those estimates. The results of operations for interim periods are not necessarily indicative of the results to be expected for the full year ending December 31, 2022. Descriptions of the significant accounting policies are included in the 2021 Annual Report to Stockholders. In the opinion of management, these policies and the presentation of the interim financial condition and results of operations conform with GAAP and prevailing practices within the banking industry.

In March 2022, the Financial Accounting Standards Board (FASB) issued an update entitled, "Financial Instruments - Credit Losses: Troubled Debt Restructurings and Vintage Disclosures." The guidance eliminates the accounting guidance for troubled debt restructurings (TDRs) by creditors while enhancing disclosure requirements for certain loan refinancing and restructurings when a borrower is experiencing financial difficulty. The creditor will have to apply the guidance to determine whether a modification results in a new loan or a continuation of an existing loan. In addition to the TDR guidance, the update requires public business entities, including the Association, to disclose current period gross write-offs by year of origination for financing receivables and net investments in leases within the scope of the credit losses standard. These amendments will be effective for the Association at the time of adoption of the measurement of credit losses on financial instruments standard on January 1, 2023.

In June 2016, the FASB issued guidance entitled "Measurement of Credit Losses on Financial Instruments." The guidance replaces the current incurred loss impairment methodology with a single allowance framework for financial assets carried at amortized cost, which reflects management's estimate of expected credit losses and requires consideration of a broader range of reasonable and supportable information to inform credit loss estimates. For public business entities that are not U.S. Securities and Exchange Commission filers including the Association, this guidance becomes effective for interim and annual reporting periods beginning after December 15, 2022. We continue to test and refine our current expected loss models.

The Association intends to estimate losses over a two-year forecast period using a range of macroeconomic variables and then revert to the Association's historical loss experience over an extended period of time. The impact of adoption of the standard is expected to be immaterial to the Association's financial condition. This estimate will ultimately depend on the nature of the loan portfolio, final validation of models and methodologies, management's judgments, including macroeconomic conditions and related forecasts at the adoption date of January 1, 2023.

NOTE 2 — INVESTMENTS:

The Association may hold mission-related and other investments. The Farm Credit Administration approves mission-related programs and other mission-related investments. The following is a summary of mission-related and other investments that are held to maturity:

During 2010, the Association exchanged loans totaling \$59,626,146 for Federal Agricultural Mortgage Corporation (Farmer Mac) guaranteed mortgage-backed securities (AMBS). The loans were previously covered under the Long-Term Standby Commitment

to Purchase Agreements with Farmer Mac. No gain or loss was recognized in the financial statements upon completion of the exchange transactions.

Effective January 26, 2012, the Bank purchased the Association's securitized Farmer Mac AMBS Investments. The purchase of \$35,459,508 included outstanding principal and accrued interest as of that date. There was no gain or loss recognized by the Association on this transaction. The Association will continue to service the underlying loans that were included in this security. Also, for 2012 there was no effect to the Association's income based on this transaction as the Bank was able to pay the Association a patronage equivalent to the net interest that it would have earned on the AMBS investment. The amount of patronage received in 2021 was \$114,337. However, for future years, the Bank's payment of patronage is at the discretion of the Bank's board of directors. The remaining balance of the AMBS investment at September 30, 2022, was \$2,546,676.

NOTE 3 — LOANS AND ALLOWANCE FOR CREDIT LOSSES:

A summary of loans follows:

	September 30,	December 31,
	2022	2021
Loan Type	Amount	Amount
Production agriculture:		
Real estate mortgage	\$ 2,035,485,384	\$ 1,859,039,229
Production and		
intermediate term	134,237,409	131,798,156
Agribusiness:		
Loans to cooperatives	19,536,225	7,259,997
Processing and marketing	141,864,364	143,460,471
Farm-related business	60,604,332	55,455,694
Communication	42,481,559	43,807,116
Energy	22,691,196	24,713,083
Water and wastewater	995,595	4,169,272
Rural residential real estate	8,234,472	10,012,596
International	8,171,695	8,170,325
Total	\$ 2,474,302,231	\$ 2,287,885,939

The Association purchases or sells participation interests with other parties in order to diversify risk, manage loan volume and comply with Farm Credit Administration regulations. The following table presents information regarding the recorded investment balances of participations purchased and sold at September 30, 2022:

		Other Farm Credit Institutions		Non-Farm Credit Institutions				Total								
	P	articipations	Pa	Participations		Participations		Participations		rticipations	ipations Partici		Pa	articipations	Participations	
		Purchased		Sold	Purchased			Sold		Purchased		Sold				
Real estate mortgage	\$	22,657,949	\$	184,612,611	\$	4,690,608	\$	-	\$	27,348,557	\$	184,612,611				
Production and intermediate term		53,290,898		17,355,780		-		-		53,290,898		17,355,780				
Agribusiness		198,598,811		5,626,971		-		-		198,598,811		5,626,971				
Communication		42,481,559		-		-		-		42,481,559		-				
Energy		22,691,196		-		-		-		22,691,196		-				
Water and wastewater		995,595		-		-		-		995,595		-				
International		8,171,695		-						8,171,695		<u> </u>				
Total	\$	348,887,703	\$	207,595,362	\$	4,690,608	\$		\$	353,578,311	\$	207,595,362				

The Association is authorized under the Farm Credit Act to accept "advance conditional payments" (ACPs) from borrowers. To the extent the borrower's access to such ACPs is restricted and the legal right of setoff exists, the ACPs are netted against the borrower's related loan balance. Unrestricted advance conditional payments are included in other liabilities. ACPs are not insured, and interest is generally paid by the Association on such balances. Balances of ACPs were \$23,682,305 and \$12,567,416, at September 30, 2022, and December 31, 2021, respectively.

Nonperforming assets (including related accrued interest) and related credit quality statistics are as follows:

	Se	ptember 30, 2022	December 31, 2021
Nonaccrual loans:		_	
Real estate mortgage	\$	2,561,016	\$ 2,754,743
Production and intermediate term		35,278	43,928
Energy		383,976	433,265
Rural residential real estate		3,569	-
Total nonaccrual loans		2,983,839	3,231,936
Accruing restructured loans:			
Real estate mortgage		110,984	101,648
Total accruing restructured loans		110,984	101,648
Total nonperforming assets	\$	3,094,823	\$ 3,333,584

One credit quality indicator utilized by the Association is the Farm Credit Administration Uniform Loan Classification System that categorizes loans into five categories. The categories are defined as follows:

- Acceptable assets are expected to be fully collectible and represent the highest quality;
- Other assets especially mentioned (OAEM) assets are currently collectible but exhibit some potential weakness;
- Substandard assets exhibit some serious weakness in repayment capacity, equity and/or collateral pledged on the loan;
- Doubtful assets exhibit similar weaknesses to substandard assets; however, doubtful assets have additional weaknesses in existing factors, conditions and values that make collection in full highly questionable; and
- Loss assets are considered uncollectible.

The following table shows loans and related accrued interest as a percentage of total loans and related accrued interest receivable by loan type as of:

Real estate mortgage 99% 99% Acceptable 1% 1% OAEM 1% 1% Substandard/doubtful 0% 0% Production and intermediate term Acceptable 100% 10% OAEM 0% 0% 0% OAEM 0% 0% 0% Substandard/doubtful 0% 0% 0% OAEM 0% 0% 0% Substandard/doubtful 0% 0% 0% Substandard/doubtful 4% 0% 0% Acceptable 96% 96% 0% OAEM 0% 0% 0% Substandard/doubtful 4% 4% 0% OAEM 0% 0% 0% Substandard/doubtful 0% 0% 0% OAEM 0% 0% 0% Substandard/doubtful 0% 0% 0% OAEM 0% 0% 0% S		September 30, 2022	December 31, 2021
OAEM 1% 1% Substandard/doubtful 0% 0% Production and intermediate term Acceptable 100% 100% OAEM 0% 0% 0% Substandard/doubtful 0% 0% 0% Loan to cooperatives 100% 100% 0% 0% Acceptable 100% 0%			
Substandard/doubtful 100%	_		
Production and intermediate term 100% 100% Acceptable 100% 0% OAEM 0% 0% Substandard/doubtful 0% 0% Loan to cooperatives 40% 100% Acceptable 100% 0% OAEM 0% 0% Substandard/doubtful 0% 0% Processing and marketing 96% 96% Acceptable 96% 96% OAEM 0% 0% Substandard/doubtful 4% 4% OAEM 0% 0% OAEM 0% 0% OAEM 0% 0% Substandard/doubtful 0% 0% Substandard/doubtful 0% 0% Substandard/doubtful 0% 0% Substandard/doubtful 0% 0% OAEM 0% 0% OAEM 0% 0% OAEM 0% 0% OAEM 0%			
Production and intermediate term	Substandard/doubtful		
OAEM 0% 0% Substandard/doubtful 0% 0% Substandard/doubtful 100% 100% Loan to cooperatives 100% 100% Acceptable 100% 0% 0% Substandard/doubtful 100% 100% Processing and marketing 96% 96% 96% OAEM 9% 96% 96% OAEM 9% 96% 96% OAEM 9% 96% 96% OAEM 100% 100% Substandard/doubtful 100% 100% OAEM 0% 0% Substandard/doubtful 0% 0% Substandard/doubtful 9% 9% Acceptable 98% 98% OAEM 0% 0% Substandard/doubtful 2% 2% OAEM 0% 0% Substandard/doubtful 0% 0% OAEM 0% 0% OAEM	Production and intermediate term		
Substandard/doubtful 100%	Acceptable	100%	100%
Loan to cooperatives	OAEM	0%	0%
Loan to cooperatives	Substandard/doubtful		
Acceptable	I can to acamematives	100%	100%
OAEM 0% 0% Substandard/doubtful 0% 0% Processing and marketing 96% 96% OAEM 0% 0% Substandard/doubtful 4% 4% Farm-related business 100% 100% Acceptable 100% 100% OAEM 0% 0% Substandard/doubtful 0% 0% Communication 100% 100% Acceptable 100% 100% OAEM 0% 0% Substandard/doubtful 0% 0% Substandard/doubtful 2% 2% OAEM 0% 0% Substandard/doubtful 2% 2% Water and wastewater 4 0% Acceptable 100% 100% OAEM 0% 0% Substandard/doubtful 0% 0% Substandard/doubtful 0% 0% OAEM 0% 0% OAEM	<u>*</u>	100%	100%
Substandard/doubtful 100%	_		
100% 100% 100% 100%	Substandard/doubtful		0%
Acceptable OAEM 96% OAEM 96% OAEM OAEM 0% 0% Substandard/doubtful 4% 4% Farm-related business 40% 100% Acceptable 100% 0% OAEM 0% 0% Substandard/doubtful 0% 0% Acceptable 100% 100% OAEM 0% 0% Substandard/doubtful 0% 0% Substandard/doubtful 2% 2% OAEM 0% 0% Substandard/doubtful 2% 2% OAEM 0% 0% Substandard/doubtful 0% 0% OAEM 0% 0% Substandard/doubtful 0% 0% OAEM 0% 0%			
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Substandard/doubtful 4% 4% 100% 100% 100% 100% 100% 100% 100% 0AEM 0% 0% 0% 0% 0% 0% 0% 0	=		
Total loans Samuel Part			*
Parm-related business	Substandard/doubtful		
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Substandard/doubtful 0% 0% 100% 100% Communication 100% 100% Acceptable 100% 0% OAEM 0% 0% Substandard/doubtful 0% 0% Energy Acceptable 98% 98% OAEM 0% 0% Substandard/doubtful 2% 2% OAEM 100% 100% OAEM 0% 0% Substandard/doubtful 0% 0% Substandard/doubtful 0% 0% OAEM 0% 0% Substandard/doubtful 0% 0% OAEM 0% 0% OAEM 0% 0% OAEM 0% 0% Substandard/doubtful 0% 0% OAEM 0% 0% Substandard/doubtful 0% 0% OAEM 0% 0% Substandard/doubtful 0% 0% <td>Acceptable</td> <td>100%</td> <td>100%</td>	Acceptable	100%	100%
100% 100% 100% 100% 100% 100% 100% 0AEM 0% 0% 0% 0% 100% 1	OAEM	0%	
Communication	Substandard/doubtful		
Acceptable		100%	100%
OAEM 0% 0% Substandard/doubtful 0% 0% 100% 100% Energy 38% 98% OAEM 0% 0% Substandard/doubtful 2% 2% Water and wastewater 100% 100% Acceptable 100% 0% OAEM 0% 0% Substandard/doubtful 0% 0% OAEM 0% 0% Substandard/doubtful 0% 0% International 100% 100% Acceptable 100% 100% OAEM 0% 0% Substandard/doubtful 0% 0% Total loans Acceptable 99% 99% OAEM 0% 0% Substandard/doubtful 0% 0% Substandard/doubtful 100% 0% OAEM 0% 0% Substandard/doubtful 10% 0% Substandard/doubtful <t< td=""><td></td><td>1000/</td><td>1000/</td></t<>		1000/	1000/
Substandard/doubtful 0% 0% 10	-		
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Page	Substandard/doubtful		
OAEM 0% 0% Substandard/doubtful 2% 2% Water and wastewater 100% 100% Acceptable 100% 0% 0% OAEM 0% 0% 0% Substandard/doubtful 0% 100% OAEM 0% 0% 0% Substandard/doubtful 0% 0% 0% International 100% 100% 100% OAEM 0% 0% 0% Substandard/doubtful 0% 0% 0% Total loans Acceptable 99% 99% OAEM 0% 0% 0% Substandard/doubtful 0% 0% 0% Substandard/doubtful 0% 0% 0% Substandard/doubtful 1% 1%	Energy		
Substandard/doubtful 2% 2% Water and wastewater 100% 100% Acceptable 100% 0% OAEM 0% 0% Substandard/doubtful 0% 0% Rural residential real estate Acceptable 100% 100% OAEM 0% 0% 0% Substandard/doubtful 0% 0% 0% OAEM 0% 0% 0% Substandard/doubtful 0% 0% 0% Total loans Acceptable 99% 99% OAEM 0% 0% 0% Substandard/doubtful 99% 99% OAEM 0% 0% Substandard/doubtful 10% 0% Substandard/doubtful 1% 0%	Acceptable		98%
100% 100% Water and wastewater 100% 100% Acceptable 100% 0% OAEM 0% 0% Substandard/doubtful 0% 100% Rural residential real estate 4 Acceptable 100% 100% OAEM 0% 0% 0% Substandard/doubtful 0% 0% 0% OAEM 0% 0% 0% Substandard/doubtful 0% 0% 0% Total loans Acceptable 9% 99% OAEM 99% 99% OAEM 0% 0% Substandard/doubtful 1% 0% Substandard/doubtful 1% 0%			*
Water and wastewater 100% 100% OAEM 0% 0% Substandard/doubtful 0% 0% Rural residential real estate 0% 100% Acceptable 100% 100% OAEM 0% 0% Substandard/doubtful 0% 0% International 100% 100% OAEM 0% 0% Substandard/doubtful 0% 0% Total loans Acceptable 9% 99% OAEM 0% 0% OAEM 0% 0% Substandard/doubtful 10% 0% Substandard/doubtful 1% 1%	Substandard/doubtful		
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Substandard/doubtful 0% 0% Rural residential real estate 100% 100% Acceptable 100% 0% 0% OAEM 0% 0% 0% Substandard/doubtful 0% 0% 100% International 100% 100% 0% OAEM 0% 0% 0% Substandard/doubtful 0% 0% 100% Total loans Acceptable 99% 99% OAEM 0% 0% 0% Substandard/doubtful 0% 0% 0% Substandard/doubtful 1% 1% 1%	=		
100% 100% Rural residential real estate 100% 100% Acceptable 100% 0% Substandard/doubtful 0% 0% International 0% 100% Acceptable 100% 0% OAEM 0% 0% Substandard/doubtful 0% 0% Total loans Acceptable 99% 99% OAEM 0% 0% Substandard/doubtful 1% 1%			
Acceptable 100% 100% OAEM 0% 0% Substandard/doubtful 0% 0% International 0% 100% Acceptable 100% 0% OAEM 0% 0% Substandard/doubtful 0% 0% Total loans Acceptable 99% 99% OAEM 0% 0% Substandard/doubtful 1% 1%			
OAEM 0% 0% Substandard/doubtful 0% 0% 100% 100% International 100% 100% Acceptable 100% 0% 0% Substandard/doubtful 0% 0% 100% Total loans Acceptable 99% 99% OAEM 0% 0% Substandard/doubtful 1% 1%			
Substandard/doubtful 0% 0% 100% 100% International 100% 100% Acceptable 100% 0% OAEM 0% 0% Substandard/doubtful 0% 0% Total loans Acceptable 99% 99% OAEM 0% 0% Substandard/doubtful 1% 1%			
100% 100% 100%			
International	Substandard/doubtful		
Acceptable 100% 100% OAEM 0% 0% Substandard/doubtful 0% 0% 100% 100% Total loans Acceptable 99% OAEM OAEM Substandard/doubtful 1% 1%	International	10070	10070
OAEM 0% 0% Substandard/doubtful 0% 0% 100% 100% 100% Total loans 8 99% 99% OAEM 0% 0% Substandard/doubtful 1% 1%		100%	100%
Total loans 99% 99% Acceptable 99% 0% OAEM 0% 0% Substandard/doubtful 1% 1%			0%
Total loans Acceptable 99% 99% OAEM 0% 0% Substandard/doubtful 1% 1%	Substandard/doubtful	0%	0%
Acceptable 99% 99% OAEM 0% 0% Substandard/doubtful 1% 1%		100%	100%
Acceptable 99% 99% OAEM 0% 0% Substandard/doubtful 1% 1%	Tatallana		
OAEM 0% 0% Substandard/doubtful 1% 1%		000/	000/
Substandard/doubtful 1% 1%	_		

There were no loans and related interest in the loss category.

The following tables provide an age analysis of past due loans (including accrued interest) as of:

September 30, 2022	30-89	90 Days	Total	Not Past Due or	
	Days	or More	Past	Less Than 30	Total
	Past Due	Past Due	Due	Days Past Due	Loans
Real estate mortgage	\$ 3,196,998	\$ -	\$ 3,196,998	\$ 2,043,192,961	\$ 2,046,389,959
Production and intermediate term	13,816	-	13,816	135,805,185	135,819,001
Loans to cooperatives	-	-	-	19,595,696	19,595,696
Processing and marketing	-	-	-	142,183,468	142,183,468
Farm-related business	-	-	-	60,995,602	60,995,602
Communication	-	-	-	42,503,239	42,503,239
Energy	-	-	-	22,840,777	22,840,777
Water and wastewater	-	-	-	994,989	994,989
Rural residential real estate	-	-	-	8,255,982	8,255,982
International				8,203,996	8,203,996
Total	\$ 3,210,814	\$ -	\$ 3,210,814	\$ 2,484,571,895	\$ 2,487,782,709
December 31, 2021		90 Days or More	Total Past	Not Past Due or Less Than 30	Total
	Past Due	Past Due	Due	Days Past Due	Loans
Real estate mortgage	\$ 1,781,685	\$ 254,381	\$ 2,036,066	\$ 1,866,270,924	\$ 1,868,306,990
Production and intermediate term	43,928	-	43,928	132,484,449	132,528,377
Loans to cooperatives	-	-	=	7,263,969	7,263,969
Processing and marketing	-	-	=	143,937,399	143,937,399
Farm-related business	-	-	=	55,517,594	55,517,594
Communication	-	-	=	43,813,548	43,813,548
Energy	-	-	-	24,808,765	24,808,765
Water and wastewater	-	-	-	4,169,470	4,169,470
Rural residential real estate	8,659	-	8,659	10,026,912	10,035,571
International	_		<u> </u>	8,183,447	8,183,447
Total	\$ 1,834,272	\$ 254,381	\$ 2,088,653	\$ 2,296,476,477	\$ 2,298,565,130

Note: The recorded investment in the receivable is the face amount increased or decreased by applicable accrued interest and unamortized premium, discount, finance charges or acquisition costs, and may also reflect a previous direct write-down of the investment.

Troubled Debt Restructuring: A restructuring of a debt constitutes a troubled debt restructuring if the creditor for economic or legal reasons related to the debtor's financial difficulties grants a concession to the debtor that it would not otherwise consider. Troubled debt restructurings (TDRs) are undertaken in order to improve the likelihood of recovery on the loan and may include, but are not limited to, forgiveness of principal or interest, interest rate reductions that are lower than the current market rate for new debt with similar risk, or significant term or payment extensions.

As of September 30, 2022, the total recorded investment of troubled debt restructured loans was \$1,181,627, including \$1,070,643 classified as nonaccrual and \$110,984 classified as accrual, with no specific allowance for loan losses. There were no commitments to lend funds to borrowers whose loan terms have been modified in a troubled debt restructuring as of September 30, 2022, and December 31, 2021.

There were no loans with troubled debt restructuring designation that occurred during the three and nine months ended September 30, 2022, and 2021, respectively.

In restructurings where principal is forgiven, the amount of the forgiveness is immediately charged off. In restructurings where accrued interest is forgiven, the interest is reversed (if current year interest) or charged off (if prior year interest). There were no restructurings where principal was forgiven that required a charge-off, at the modification date, for the three and nine months ended September 30, 2022, and 2021, respectively.

The predominant form of concession granted for troubled debt restructuring includes an extension of the term, principal, or accrued interest reduction, interest rate decrease or delayed in repayment of principal, among others. At times, these terms might be offset with incremental payments, collateral or new borrower guarantees, in which case we assess all of the modified terms to determine if the overall modification qualifies as a troubled debt restructuring.

As of September 30, 2022, and 2021, respectively, the Association had no loans that met the accounting criteria as a troubled debt restructuring and that occurred within the previous 12 months of that year and for which there was a payment default during the period. A payment default is defined as a payment that is 30 days past due after the date the loan was restructured.

The following table provides information on outstanding loans restructured in troubled debt restructurings at period end. These loans are included as impaired loans in the impaired loan table at:

	Loans Modif	Loans Modified as TDRs		ccrual Status*	TDRs in Accrual Status			
	September 30, 2022	December 31, 2021	September 30, 2022	December 31, 2021	September 30, 2022	December 31, 2021		
Real estate mortgage	\$ 1,181,627	\$ 1,292,226	\$ 1,070,643	\$ 1,190,578	\$ 110,984	\$ 101,648		
Total	\$ 1,181,627	\$ 1,292,226	\$ 1,070,643	\$ 1,190,578	\$ 110,984	\$ 101,648		

^{*}represents the portion of loans modified as TDRs that are in nonaccrual status

Additional impaired loan information is as follows:

	September 30, 2022					December 31, 2021					
	Unpaid						J	Jnpaid			
	Recorded	Principal]	Related	Record	led	P	rincipal	R	Related	
	Investment	Balance ^a	A	llowance	Investn	nent	Balance ^a		Allowance		
Impaired loans with a related									<u></u>		
allowance for credit losses:											
Real estate mortgage	\$ 304,971	\$ 304,971	\$	9,771	\$	-	\$	-	\$	-	
Energy and water/wastewater	383,976	383,976		100,554	433	,265_		433,265		100,554	
Total	\$ 688,947	\$ 688,947	\$	110,325	\$ 433	,265	\$	433,265	\$	100,554	
Impaired loans with no related											
allowance for credit losses:											
Real estate mortgage	\$2,367,029	\$ 2,368,329	\$	-	\$ 2,856	,391	\$	2,857,730	\$	-	
Production and intermediate term	35,278	35,278		-	43	,928		55,786		-	
Rural residential real estate	3,569	3,569									
Total	\$2,405,876	\$ 2,407,176	\$	<u> </u>	\$ 2,900	,319	\$	2,913,516	\$	-	
Total impaired loans:											
Real estate mortgage	\$2,672,000	\$ 2,673,300	\$	9,771	\$ 2,856	,391	\$	2,857,730	\$	-	
Production and intermediate term	35,278	35,278		-	43	,928		55,786		-	
Energy and water/wastewater	383,976	383,976		100,554	433	,265		433,265		100,554	
Rural residential real estate	3,569	3,569									
Total	\$3,094,823	\$ 3,096,123	\$	110,325	\$ 3,333	,584	\$	3,346,781	\$	100,554	

^a Unpaid principal balance represents the recorded principal balance of the loan.

For the Three Months Ended For the Nine Months Ended September 30, 2022 September 30, 2021 September 30, 2021 September 30, 2022 Average Interest Average Interest Average Interest Interest Average Impaired Impaired Income Impaired Income Income Impaired Income Loans Recognized Loans Recognized Loans Recognized Loans Recognized Impaired loans with a related allowance for credit losses: \$ \$ \$ Real estate mortgage 3,315 4,651 1,105 4,651 477,640 407,487 399,203 115 Energy and water/wastewater 385,315 Total 388,630 4,651 477,640 408,592 4,651 \$ 399,203 115 Impaired loans with no related allowance for credit losses: Real estate mortgage \$2,336,094 25,708 3,764,776 \$ 10,132 \$2,409,554 63,013 3,862,802 41,945 Production and intermediate term 37,233 46,538 39,698 229,937 5,027 1,440 1,440 6,037 4,418 Rural residential real estate 4,346 3,811,314 11,572 67,359 4,092,739 Total \$2,378,354 27,148 \$2,455,289 46,363 Total impaired loans: 30,359 Real estate mortgage \$2,339,409 3,764,776 10,132 \$2,410,659 67,664 \$ 3,862,802 41,945 Production and intermediate term 46,538 229,937 37,233 39,698 Energy and water/wastewater 385,315 477,640 407,487 399,203 115 1,440 4,418 Rural residential real estate 5,027 1,440 6,037 4,346 \$ 31,799 \$ 11,572 \$ 4,288,954 \$ 72,010 \$ 4,491,942 Total \$2,766,984 \$2,863,881 \$ 46,478 A summary of changes in the allowance for credit losses and unfunded commitments and the ending balance of loans outstanding (including accrued interest) are as follows:

		Real Estate Mortgage		duction and termediate Term	A	gribusiness	Com	munications		Energy		ater and		Rural es idential eal Estate	Inte	ernational		Total
Allowance for Credit Losses:										<u> </u>								
Balance at June 30, 2022 Charge-offs	\$	4,742,071 -	\$	397,117 -	\$	821,257 -	\$	95,862 -	\$	137,320	\$	3,398	\$	20,888	\$	20,455	\$	6,238,368
Recoveries (Reversal of) Provision for credit losses Transfer from reserve on unfunded		31,892		6,790 (3,296)		1,263 594		(3,472)		(1,838)		(1,558)		(1,141)		1,349		8,053 22,530
commitments Balance at September 30, 2022	\$	4,773,963	\$	(11,617) 388,994	\$	(7,837) 815,277	\$	(280) 92,110	\$	139 135,621	\$	135 1,975	\$	- 19,747	\$	(1,323) 20,481	\$	(20,783) 6,248,168
Balance at December 31, 2021 Charge-offs	\$	5,552,628	\$	468,317	\$	970,569 -	\$	122,826	\$	151,869	\$	14,337	\$	29,682	\$	25,316	\$	7,335,544
Recoveries (Reversal of) Provision for credit losses Transfer from reserve on unfunded		- (778,707)		16,008 (99,188)		2,604 (166,459)		(30,591)		(16,378)		- (12,497)		(9,935)		(3,485)		18,612 (1,117,240)
commitments Balance at September 30, 2022	\$	42 4,773,963	\$	3,857 388,994	\$	8,563 815,277	\$	(125) 92,110	\$	130 135,621	\$	135 1,975	\$	19,747	\$	(1,350) 20,481	\$	11,252 6,248,168
Ending Balance: Individually evaluated for																		
impairment Collectively evaluated for	\$	9,771	\$	-	\$	-	\$	-	\$	100,554	\$	-	\$	-	\$	-	\$	110,325
impairment Balance at September 30, 2022	\$	4,764,192 4,773,963	\$	388,994 388,994	\$	815,277 815,277	\$	92,110 92,110	\$	35,067 135,621	\$	1,975 1,975	\$	19,747 19,747	\$	20,481	\$	6,137,843 6,248,168
Balance at June 30, 2021 Charge-offs	\$	5,360,516	\$	533,388 (20,889)	\$	1,071,663	\$	126,109	\$	196,114 -	\$	15,607	\$	33,156	\$	32,812	\$	7,369,365 (20,889)
Recoveries (Reversal of) Provision for credit losses Transfer from reserve on unfunded		97,484		420,567 (459,874)		570 (33,314)		(12,682)		(3,638)		(218)		270		(5,353)		421,137 (417,325)
commitments Balance at September 30, 2021	\$	5,458,000	\$	(12,937) 460,255	\$	1,039,805	\$	113,427	\$	(170) 192,306	\$	15,389	\$	33,426	\$	(511) 26,948	\$	(12,732) 7,339,556
Balance at December 31, 2020 Charge-offs	\$	6,034,076	\$	614,838 (20,889)	\$	1,084,089	\$	150,793	\$	93,532	\$	21,921	\$	45,238	\$	-	\$	8,044,487 (20,889)
Recoveries (Reversal of) Provision for credit losses Transfer from reserve on unfunded		(576,283)		426,899 (576,219)		1,880 (56,867)		(37,967)		98,287		(6,539)		(11,812)		29,476		428,779 (1,137,924)
commitments Balance at September 30, 2021	\$	5,458,000	\$	15,626 460,255	\$	1,039,805	\$	113,427	\$	487 192,306	\$	15,389	\$	33,426	\$	(2,528) 26,948	\$	25,103 7,339,556
Ending Balance: Individually evaluated for impairment	\$		\$	-	\$	-	\$	-	\$	121,915	\$	-	\$	-	\$	-	\$	121,915
Collectively evaluated for impairment	_	5,458,000		460,255		1,039,805		113,427	_	70,391		15,389		33,426		26,948		7,217,641
Balance at September 30, 2021	_\$_	5,458,000	\$ Pro	460,255 duction and	\$	1,039,805	\$	113,427	_\$_	192,306	\$	15,389	\$	33,426 Rural	\$	26,948	\$	7,339,556
		Real Estate Mortgage		termediate Term	Δ	gribusiness	Con	nmunications		Energy		Vater and		Residential Real Estate	In	ternational		Total
Recorded Investments in Loans Outstanding (including accrued interest): Ending Balance at		mongago		Term		griousmoss	Con	and included in		<u> </u>		usterrater		our Estate		comunication		Total
September 30, 2022 Individually evaluated for	\$	2,046,389,959	\$	135,819,001	\$	222,774,766	\$	42,503,239	\$	22,840,777	\$	994,989	\$	8,255,982	\$	8,203,996	\$	2,487,782,709
impairment Collectively evaluated for	\$	2,672,000	\$	35,278	\$		\$		\$	383,976	\$		\$	3,569	\$		\$	3,094,823
impairment	\$	2,043,717,959	\$	135,783,723	\$	222,774,766	\$	42,503,239	\$	22,456,801	\$	994,989	\$	8,252,413	\$	8,203,996	\$	2,484,687,886
Ending Balance at December 31, 2021	¢	1 868 206 000	ç	122 528 277	¢	206 718 062	¢	A2 912 5A9	ę	24 909 765	c	4 160 470	¢	10.025.571	¢	9 192 447	ç	2 208 565 120
Individually evaluated for impairment	\$	1,868,306,990	<u>\$</u> \$	132,528,377	<u>\$</u>	206,718,962	\$	43,813,548	\$	24,808,765	\$	4,169,470	\$	10,035,571	\$	8,183,447	\$	2,298,565,130
impairment Collectively evaluated for impairment	<u> </u>	2,856,391 1,865,450,599	<u>s</u>	43,928 132,484,449	<u>\$</u> \$	206,718,962	\$	43,813,548		433,265 24,375,500	<u>\$</u> \$	4,169,470	\$	10,035,571	\$	8,183,447	<u>s</u>	2,295,231,546
inpantion.	Ψ	1,000,700,011	Ψ	102,707,777	Ψ	200,110,702	Ψ	12,012,270	ψ	21,010,000	Ψ	1,107,770	Ψ	10,000,011	Ψ	0,100,771	Ų	19JTU يىلون رىلوك

NOTE 4 —LEASES:

The components of lease expense were as follows:

	For the Three	Months Ended	For the Nine Months Ended			
	September 30, 2022	September 30, 2021	September 30, 2022	September 30, 2021		
Operating lease cost	\$ 151,236	\$ 148,901	\$ 455,392	\$ 451,904		
Net lease cost	\$ 151,236	\$ 148,901	\$ 455,392	\$ 451,904		

Other information related to leases was as follows:

	For	the Three	Months Ended		For the Nine Months Ended			
	September	r 30, 2022	September 30, 2021	Septe	ember 30, 2022	Septembe	r 30, 2021	
Cash paid for amounts included in the measurement of lease liabilities:								
Operating cash flows from operating leases	\$	151,415	\$ 147,868	\$	446,530	\$	429,913	

Lease term and discount rate are as follows:

	September 30, 2022 Decer	nber 31, 2021
Weighted average remaining lease term in years Operating leases	2.6	2.8
Weighted average discount rate Operating leases	2.5%	2.5%

Cantombon 20, 2022 December 21, 2021

Future minimum lease payments under non-cancellable leases as of September 30, 2022, were as follows:

	Operating		
	Leases		
2022 (excluding the nine months ended 9/30/22)	\$	153,326	
2023		593,291	
2024		349,515	
2025		138,489	
2026		86,838	
Total	\$	1,321,459	

NOTE 5 — CAPITAL:

The Association's Board has established a Capital Adequacy Plan (Plan) that includes the capital targets that are necessary to achieve the institution's capital adequacy goals as well as the minimum permanent capital standards. The Plan monitors projected patronage, equity retirements and other actions that may decrease the Association's permanent capital. In addition to factors that must be considered in meeting the minimum standards, the Board also monitors the following factors: capability of management; quality of operating policies, procedures and internal controls; quality and quantity of earnings; asset quality and the adequacy of the allowance for losses to absorb potential loss within the loan and lease portfolios; sufficiency of liquid funds; needs of an institution's customer base; and any other risk-oriented activities, such as funding and interest rate risk, potential obligations under joint and several liability, contingent and off-balance-sheet liabilities or other conditions warranting additional capital. At least quarterly, management reviews the Association's goals and objectives with the Board.

Regulatory Capitalization Requirements

	Regulatory Requirements Including	As of
Risk-adjusted:	Capital Conservation Buffers	September 30, 2022
Common equity tier 1 ratio	7.00%	15.02%
Tier 1 capital ratio	8.50%	15.02%
Total capital ratio	10.50%	15.27%
Permanent capital ratio	7.00%	15.06%
Non-risk-adjusted:		
Tier 1 leverage ratio	5.00%	15.17%
UREE leverage ratio	1.50%	14.93%

Risk-adjusted assets have been defined by FCA Regulations as the Statement of Condition assets and off-balance-sheet commitments adjusted by various percentages, depending on the level of risk inherent in the various types of assets. The primary changes which generally have the impact of increasing risk-adjusted assets (decreasing risk-based regulatory capital ratios) were as follows:

- Inclusion of off-balance-sheet commitments less than 14 months
- Increased risk-weighting of most loans 90 days past due or in nonaccrual status

Risk-adjusted assets is calculated differently for the permanent capital ratio (referred herein as PCR risk-adjusted assets) compared to the other risk-based capital ratios. The primary difference is the deduction of the allowance for credit losses from risk-adjusted assets for the permanent capital ratio.

The ratios are based on a three-month average daily balance in accordance with FCA regulations and are calculated as follows:

- Common equity tier 1 ratio is statutory minimum purchased borrower stock, other required borrower stock held for a minimum of 7 years, allocated equities held for a minimum of 7 years or not subject to revolvement, unallocated retained earnings, paid-in capital, less certain regulatory required deductions including the amount of allocated investments in other System institutions, and the amount of purchased investments in other System institutions under the corresponding deduction approach, divided by average risk-adjusted assets.
- Tier 1 capital ratio is common equity tier 1 plus non-cumulative perpetual preferred stock, divided by average risk-adjusted assets.
- Total capital is tier 1 capital plus other required borrower stock held for a minimum of 5 years, allocated equities held for a minimum of 5 years, subordinated debt and limited-life preferred stock greater than 5 years to maturity at issuance subject to certain limitations, allowance and reserve for credit losses under certain limitations less certain investments in other System institutions under the corresponding deduction approach, divided by average risk-adjusted assets.
- Permanent capital ratio (PCR) is all at-risk borrower stock, any allocated excess stock, unallocated retained earnings, paid-in capital, subordinated debt and preferred subject to certain limitations, less certain allocated and purchased investments in other System institutions, divided by PCR risk-adjusted assets.
- Tier 1 leverage ratio is tier 1 capital, including regulatory deductions, divided by average assets less regulatory deductions subject to tier 1 capital.
- UREE leverage ratio is unallocated retained earnings, paid-in capital, allocated surplus not subject to revolvement less certain regulatory required deductions including the amount of allocated investments in other System institutions divided by average assets less regulatory deductions subject to tier 1 capital.

If the capital ratios fall below the minimum regulatory requirements, including the capital conservation and leverage buffer amounts, capital distributions (equity redemptions, dividends, and patronage) and discretionary bonus payments to senior officers are restricted or prohibited without prior FCA approval.

The components of the Association's risk-adjusted capital, based on 90 day average balances, were as follows at September 30, 2022:

	Common			
	equity	Tier 1	Total capital	Permanent
	tier 1 ratio	capital ratio	ratio	capital ratio
Numerator:				_
Unallocated retained earnings	\$ 248,605,479	\$ 248,605,479	\$ 248,605,479	\$ 248,605,479
Paid-in capital	91,343,553	91,343,553	91,343,553	91,343,553
Common Cooperative Equities:				
Statutory minimum purchased borrower stock	5,900,624	5,900,624	5,900,624	5,900,624
Nonqualified allocated equities not subject to retirement	65,733,966	65,733,966	65,733,966	65,733,966
Allowance for credit losses and reserve for credit losses subject to certain limitations	-	-	6,361,780	=
Regulatory Adjustments and Deductions:				
Amount of allocated investments in other System institutions	(34,509,049)	(34,509,049)	(34,509,049)	(34,509,049)
	\$ 377,074,573	\$ 377,074,573	\$ 383,436,353	\$ 377,074,573
Denominator:				,
Risk-adjusted assets excluding allowance	\$ 2,544,955,087	\$ 2,544,955,087	\$ 2,544,955,087	\$ 2,544,955,087
Regulatory Adjustments and Deductions:				
Regulatory deductions included in total capital	(34,509,049)	(34,509,049)	(34,509,049)	(34,509,049)
Allowance for credit losses	-	_	-	(6,267,719)
	\$ 2,510,446,038	\$ 2,510,446,038	\$ 2,510,446,038	\$ 2,504,178,319

The components of the Association's non-risk-adjusted capital, based on 90 day average balances, were as follows at September 30, 2022:

		UREE	
	leverage ratio		
Numerator:			
Unallocated retained earnings	\$	248,605,479	248,605,479
Paid-in capital		91,343,553	91,343,553
Common Cooperative Equities:			
Statutory minimum purchased borrower stock		5,900,624	-
Nonqualified allocated equities not subject to retirement		65,733,966	65,733,966
Regulatory Adjustments and Deductions:			
Amount of allocated investments in other System institutions		(34,509,049)	(34,509,049)
	\$	377,074,573 \$	371,173,949
Denominator:			
Total Assets	\$	2,528,513,638	2,528,513,638
Regulatory Adjustments and Deductions:			
Regulatory deductions included in tier 1 capital		(42,250,279)	(42,250,279)
	\$	2,486,263,359 \$	2,486,263,359

The Association's accumulated other comprehensive loss relates entirely to its nonpension other postretirement benefits. The following table summarizes the change in accumulated other comprehensive loss for the nine months ended September 30:

	2022	2021
Accumulated other comprehensive loss at January 1	\$ (954,347)	\$ (1,060,093)
Amortization of prior service credit included		
in salaries and employee benefits	(19,885)	(19,885)
Amortization of actuarial loss included		
in salaries and employee benefits	43,366	51,970
Other comprehensive income, net of tax	23,481	32,085
Accumulated other comprehensive loss at September 30	\$ (930,866)	\$ (1,028,008)

NOTE 6 — INCOME TAXES:

Lone Star, ACA conducts its business activities through two wholly-owned subsidiaries. Long-term mortgage lending activities are conducted through a wholly-owned FLCA subsidiary which is exempt from federal and state income tax. Short- and intermediate-term lending activities are conducted through a wholly-owned PCA subsidiary. The PCA subsidiary and the ACA holding company are subject to income tax. Lone Star, ACA operates as a cooperative that qualifies for tax treatment under Subchapter T of the Internal Revenue Code. Accordingly, under specified conditions, Lone Star, ACA can exclude from taxable income amounts distributed as qualified patronage in the form of cash, stock or allocated retained earnings. Provisions for income taxes are made only on those taxable earnings that will not be distributed as qualified patronage. Deferred taxes are recorded at the tax effect of all temporary differences based on the assumption that such temporary differences are retained by the institution and will therefore impact future tax payments. A valuation allowance is provided against deferred tax assets to the extent that it is more likely than not (more than 50 percent probability), based on management's estimate, that they will not be realized.

As of September 30, 2022, the deferred income tax valuation allowance was \$10,123,941.

NOTE 7 — FAIR VALUE MEASUREMENTS:

FASB guidance defines fair value as the exchange price that would be received for an asset or paid to transfer a liability in the principal or most advantageous market for the asset or liability. See Note 15 to the 2021 Annual Report to Stockholders for a more complete description.

Assets and liabilities measured at fair value on a recurring basis are summarized below:

<u>September 30, 2022</u>	Fair Valu	Total Fair		
	Level 1	Level 2	Level 3	Value
Assets:				
Assets held in nonqualified benefit trusts	\$135,602	\$ -	\$ -	\$ 135,602
Total assets	\$135,602	\$ -	\$ -	\$ 135,602
<u>December 31, 2021</u>	Fair Valu	Total Fair		
	Level 1	Level 2	Level 3	Value
Assets:				
Assets held in nonqualified benefit trusts	\$ 205,962	\$ -	\$ -	\$ 205,962
Total assets	\$ 205,962	\$ -	\$ -	\$ 205,962

Assets and liabilities measured at fair value on a nonrecurring basis for each of the fair value hierarchy values are summarized below:

<u>September 30, 2022</u>	Fair Value Measurement Using				Total Fair	
	Level 1		Level 2		Level 3	Value
Assets:						
Loans	\$	-	\$	-	\$578,622	\$ 578,622
<u>December 31, 2021</u>	Fair Value Measurement Using					Total Fair
		el 1	Lev	el 2	Level 3	Value
Assets:						
Loans	\$	-	\$	-	\$ 332,710	\$ 332,710

Valuation Techniques

As more fully discussed in Note 2 to the 2021 Annual Report to Stockholders, authoritative guidance establishes a fair value hierarchy, which requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. The following represent a brief summary of the valuation techniques used for the Association's assets and liabilities. For a more complete description, see Notes to the 2021 Annual Report to Stockholders.

Assets Held in Nonqualified Benefits Trusts

Assets held in trust funds related to deferred compensation and supplemental retirement plans are classified within Level 1. The trust funds include investments that are actively traded and have quoted net asset values that are observable in the marketplace.

Standby Letters of Credit

The fair value of letters of credit approximate the fees currently charged for similar agreements or the estimated cost to terminate or otherwise settle similar obligations.

Loans Evaluated for Impairment

For certain loans evaluated for impairment under impairment guidance, the fair value is based upon the underlying collateral since the loans are collateral-dependent loans for which real estate is the collateral. The fair value measurement process uses independent appraisals and other market-based information, but in many cases it also requires significant input based on management's knowledge of and judgment about current market conditions, specific issues relating to the collateral and other matters. As a result, a majority of these loans have fair value measurements that fall within Level 3 of the fair value hierarchy. When the value of the real estate, less estimated costs to sell, is less than the principal balance of the loan, a specific reserve is established. The fair value of these loans would fall under Level 2 of the hierarchy if the process uses independent appraisals and other market-based information.

Fair Value of Concessions Granted

The Association has recorded amounts related to the fair value of concessions granted for certain loans related to the breach of Association policies in 2016 and 2017. These amounts are netted against the unpaid principal balance of the related loans similar to a discount. The concessions granted were either through the refinancing of a relationship or as a result of acceptance of rates and terms previously negotiated, which were more favorable than market terms and rates. The fair value of the concessions are based on the expected future cash flows under the new contractual terms, discounted at a market interest rate. The fair value of the concessions is amortized into interest income.

Other Property Owned

Other property owned is generally classified as Level 3 of the fair value hierarchy. The process for measuring the fair value of other property owned involves the use of appraisals or other market-based information. Costs to sell represent transaction costs and are not included as a component of the asset's fair value.

NOTE 8 — EMPLOYEE BENEFIT PLANS:

The following table summarizes the components of net periodic benefit costs of nonpension other postretirement employee benefits for the nine months ended September 30:

Other Benefits

Other Delicitis				
	2022	2021		
\$	61,957	\$	53,044	
	127,874		133,600	
	(19,885)		(19,885)	
	43,366		40,507	
\$	213,312	\$	207,266	
	\$	2022 \$ 61,957 127,874 (19,885) 43,366	\$ 61,957 \$ 127,874 (19,885) 43,366	

The Association's liability for the unfunded accumulated obligation for these benefits at September 30, 2022, was \$5,552,487, and is included in other liabilities on the balance sheet.

The components of net periodic benefit cost other than the service cost component are included in the line item "other components of net periodic postretirement benefit cost" in the income statement. The Association previously disclosed in its financial statements for the year ended December 31, 2021, that it expects to contribute \$190,113 to the District's DC plan in 2022.

The structure of the District's DB plan, which is noncontributory and benefits are based on salary and years of service, is characterized as multiemployer since the assets, liabilities and cost of the plan are not segregated or separately accounted for by participating employers (Bank and associations). The Association recognizes its amortized annual contributions to the DB plan as an expense. The Association has contributed \$520,571 to fund the DB plan for 2022. As of September 30, 2022, the Association has expensed and recognized \$390,428.

NOTE 9 — COMMITMENTS AND CONTINGENT LIABILITIES:

The Association is involved in various legal proceedings in the normal course of business. In the opinion of legal counsel and management, there are no legal proceedings at this time that are likely to materially affect the Association.

NOTE 10 — SUBSEQUENT EVENTS:

The Association has evaluated subsequent events through November 9, 2022, which is the date the financial statements were issued or available to be issued.

There were no subsequent events requiring disclosure as of November 9, 2022.