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NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORP /DC/
Form 10-Q
January 14, 2015

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM 10-Q
x QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
For the quarterly period ended November 30, 2014
OR
" TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934
For the transition period from to
Commission File Number: 1-7102

NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION
(Exact name of registrant as specified in its charter)

District of Columbia<br>(State or other jurisdiction of incorporation or organization)<br>20701 Cooperative Way, Dulles, Virginia<br>(Address of principal executive offices)<br>Registrant's telephone number, including area code: (703) 467-1800

52-0891669
(I.R.S. employer identification no.)

20166
(Zip Code)

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes x No ${ }^{*}$
Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T
( $\$ 232.405$ of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes x No *
Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer," and "smaller reporting company" in Rule 12b-2 of the Exchange Act.
(Check one): Large accelerated filer " Accelerated filer " Non-accelerated filer x Smaller reporting company " Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes " No x
The Registrant does not issue capital stock because it is a tax-exempt cooperative.

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## PART I—FINANCIAL INFORMATION

Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

## FORWARD-LOOKING STATEMENTS

This Quarterly Report on Form 10-Q contains forward-looking statements defined by the Securities Act of 1933, as amended, and the Exchange Act of 1934, as amended. Forward-looking statements, which are based on certain assumptions and describe our future plans, strategies and expectations, are generally identified by our use of words such as "intend," "plan," "may," "should," "will," "project," "estimate," "anticipate," "believe," "expect," "continue," "potenti and similar expressions, whether in the negative or affirmative. All statements about future expectations or projections, including statements about loan volume, the adequacy of the loan loss allowance, operating income and expenses, leverage and debt-to-equity ratios, borrower financial performance, impaired loans, and sources and uses of liquidity, are forward-looking statements. Although we believe that the expectations reflected in our forward-looking statements are based on reasonable assumptions, actual results and performance could materially differ. Factors that could cause future results to vary from current expectations include, but are not limited to, general economic conditions, legislative changes including those that could affect our tax status, governmental monetary and fiscal policies, demand for our loan products, lending competition, changes in the quality or composition of our loan portfolio, changes in our ability to access external financing, changes in the credit ratings on our debt, valuation of collateral supporting impaired loans, charges associated with our operation or disposition of foreclosed assets, regulatory and economic conditions in the rural electric industry, nonperformance of counterparties to our derivative agreements and the costs and effects of legal or governmental proceedings involving National Rural Utilities Cooperative Finance Corporation ("CFC") or its members. Some of these and other factors are discussed in our annual and quarterly reports previously filed with the U.S. Securities and Exchange Commission ("SEC"). Except as required by law, we undertake no obligation to update or publicly release any revisions to forward-looking statements to reflect events, circumstances or changes in expectations after the date on which the statement is made.

## INTRODUCTION

CFC is a member-owned cooperative association incorporated under the laws of the District of Columbia in April 1969. CFC's principal purpose is to provide its members with financing to supplement the loan programs of the Rural Utilities Service ("RUS") of the United States Department of Agriculture ("USDA"). CFC makes loans to its rural electric members so they can acquire, construct and operate electric distribution, generation, transmission and related facilities. CFC also provides its members with credit enhancements in the form of letters of credit and guarantees of debt obligations. As a cooperative, CFC is owned by and exclusively serves its membership, which consists of not-for-profit entities or subsidiaries or affiliates of not-for-profit entities. CFC is exempt from federal income taxes. As a member-owned cooperative, CFC has no publicly held equity securities outstanding. CFC funds its activities primarily through a combination of publicly and privately held debt securities and member investments. As a member-owned cooperative, CFC's objective is not to maximize profit, but rather to offer its members cost-based financial products and services consistent with sound financial management. CFC annually allocates its net earnings, which consist of net income excluding the effect of certain non-cash accounting entries, to (i) a cooperative educational fund, (ii) a members' capital reserve, (iii) a general reserve, if necessary, and (iv) members based on each member's patronage of CFC's loan programs during the year.

Our financial statements include the consolidated accounts of CFC, Rural Telephone Finance Cooperative ("RTFC"), National Cooperative Services Corporation ("NCSC") and certain entities created and controlled by CFC to hold foreclosed assets and accommodate loan securitization transactions. RTFC was established to provide private financing for the rural telecommunications industry. NCSC was established to provide financing to members of CFC and the for-profit and nonprofit entities that are owned, operated or controlled by, or provide significant benefits to Class A, B and C members of CFC. The entities controlled by CFC that hold foreclosed assets include Caribbean

Asset Holdings, LLC ("CAH") and Denton Realty Partners, LP ("DRP"). CAH is a holding company for various U.S. Virgin Islands, British Virgin Islands and St. Maarten-based telecommunications operating entities that provide local, long-distance and wireless telephone, cable television and internet services to residential and commercial customers. DRP holds assets primarily consisting of a land development loan and limited partnership interests in certain real estate developments and related receivables, developed lots and retail land. Unless stated otherwise, references to "we," "our" or "us" relate to CFC and its consolidated entities.

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Management monitors a variety of key indicators to evaluate our business performance. The following MD\&A is intended to provide the reader with an understanding of our results of operations, financial condition and liquidity by focusing on changes from period to period in certain key measures used by management to evaluate performance, such as leverage ratios, growth and credit quality metrics. MD\&A is provided as a supplement to, and should be read in conjunction with, our unaudited condensed consolidated financial statements and related notes in this Report, the more detailed information contained in our Annual Report on Form 10-K for the fiscal year ended May 31, 2014 ("2014 Form 10-K" ), including the risk factors discussed under "Part I—Item 1A. Risk Factors" in our 2014 Form 10-K, and the risk factors under "Part II-Item 1A. Risk Factors" in this Report.

## SUMMARY OF SELECTED FINANCIAL DATA

Table 1 provides a summary of selected financial data for the three and six months ended November 30, 2014 and 2013, and as of November 30, 2014 and May 31, 2014. In addition to financial measures determined in accordance with generally accepted accounting principles in the United States ("GAAP"), management also evaluates performance based on certain non-GAAP measures, which we refer to as "adjusted" measures. Our key non-GAAP metrics consist of adjusted times interest earned ratio ("TIER") and adjusted debt-to-equity ratio. The most comparable GAAP measures are TIER and debt-to-equity ratio, respectively. The primary adjustments we make to calculate these non-GAAP measures consist of (i) adjusting interest expense and net interest income to include the impact of net periodic derivative cash settlements; (ii) adjusting net income, senior debt and total equity to exclude the non-cash impact of the accounting for derivative financial instruments; (iii) adjusting senior debt to exclude the amount that funds CFC member loans guaranteed by the RUS, subordinated deferrable debt and members' subordinated certificates; and (iv) adjusting total equity to include subordinated deferrable debt and members' subordinated certificates. See "Non-GAAP Financial Measures" for a detailed reconciliation of these adjusted measures to the most comparable GAAP measures. We believe our adjusted non-GAAP metrics, which are not a substitute for GAAP and may not be consistent with similarly titled non-GAAP measures used by other companies, provide meaningful information and are useful to investors because the financial covenants in our revolving credit agreements and debt indentures are based on these adjusted metrics.

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Table 1: Summary of Selected Financial Data
Three Months Ended November 30,

| (Dollars in thousands) | 2014 | 2013 |  | Change |  | 2014 | 2013 |  | Change |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  |  |
| Statement of operations |  |  |  |  |  |  |  |  |  |  |
| Interest income | \$235,235 |  | \$239,254 |  | (2) \% | \$472,526 |  | \$480,325 |  | (2) \% |
| Interest expense | (158,275 | ) | (165,345 | ) | (4) | (314,827 | ) | (332,930 | ) | (5) |
| Net interest income | 76,960 |  | 73,909 |  | 4 | 157,699 |  | 147,395 |  | 7 |
| Provision for loan losses | (992 | ) | (1,096 | ) | (9) | 5,779 |  | (2,374 | ) | (343) |
| Fee and other income | 9,872 |  | 5,125 |  | 93 | 14,229 |  | 9,281 |  | 53 |
| Derivative gains (losses), net ${ }^{(1)}$ | (74,561 | ) | (30,780 | ) | 142 | (124,439 | ) | 75,604 |  | (265) |
| Results of operations of foreclosed assets ${ }^{(2)}$ | (28,991 | ) | (3,269 | ) | 787 | (31,690 | ) | (7,318 | ) | 333 |
| Operating expenses ${ }^{(3)}$ | (18,237 | ) | (18,573 | ) | (2) | (36,780 | ) | (37,188 | ) | (1) |
| Other non-interest expense | (4 | ) | (223 | ) | (98) | 57 |  | (340 | ) | (117) |
| Income (loss) before income taxes | (35,953 | ) | 25,093 |  | (243) | (15,145 | ) | 185,060 |  | (108) |
| Income tax (expense) benefit | 41 |  | (101 | ) | (141) | (155 | ) | (1,802 | ) | (91) |
| Net income (loss) | \$(35,912 | ) | \$24,992 |  | (244) \% | \$(15,300 | ) | \$183,258 |  | $\begin{aligned} & (108) \\ & \% \end{aligned}$ |

Adjusted statement of operations Adjusted interest expense ${ }^{(4)}$
Adjusted net interest income ${ }^{(4)}$
Adjusted net income ${ }^{(4)}$
Ratios

| Fixed-charge coverage | - | 1.15 | NA | - | 1.55 | NA |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| ratio/TIER ${ }^{(5)}$ | - | 1.20 | $(11) \mathrm{bps}$ | 1.19 | 1.19 | - |
| Adjusted TIER ${ }^{(4)}$ | 1.09 |  |  |  |  |  |

Balance sheet
Cash, investments and time
deposits
Loans to members ${ }^{(6)}$
Allowance for loan losses
Loans to members, net
Total assets
Short-term borrowings
Long-term debt
Subordinated deferrable debt
Members' subordinated certificates
Total debt outstanding
Total liabilities
Total equity
Guarantees

| $\$(180,039$ | ) | $\$(184,816)$ | $(3) \%$ | $\$(356,692$ | $\$(369,086)$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 55,196 | 54,438 | 1 | 115,834 | 111,239 | 4 |
| 16,885 | 36,301 | $(53)$ | 67,274 | 71,498 | $(6)$ |

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| Leverage ratio ${ }^{(7)}$ | 24.64 | 23.01 | 163 |
| :---: | :---: | :---: | :---: |
| Adjusted leverage ratio ${ }^{(4)}$ | 6.42 | 6.24 | 18 |
| Debt-to-equity ratio ${ }^{(8)}$ | 23.57 | 21.91 | 166 |
| Adjusted debt-to-equity ratio ${ }^{(4)}$ | 6.11 | 5.90 | 21 |

- Change is less than one percent or not meaningful.

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${ }^{(1)}$ Consists of derivative cash settlements and derivative forward value amounts. Derivative cash settlement amounts represent net periodic contractual interest accruals related to derivatives not designated for hedge accounting.
Derivative forward value amounts represent changes in fair value during the period, excluding net periodic contractual accruals, related to derivatives not designated for hedge accounting and expense amounts reclassified into income related to the cumulative transition loss recorded in accumulated other comprehensive income ("AOCI") at June 1, 2001 as a result of adoption of the derivative accounting guidance that required derivatives to be reported at fair value on the balance sheet.
${ }^{(2)}$ Includes non-cash impairment charge of $\$ 27$ million for the three and six months ended November 30, 2014 related to certain identifiable intangible assets and goodwill of CAH.
${ }^{(3)}$ Consists of salaries and employee benefits and other general and administrative expenses.
${ }^{(4)}$ See "Non-GAAP Financial Measures" for details on the calculation of these adjusted non-GAAP ratios and the reconciliation to the most comparable GAAP measures.
${ }^{(5)}$ Calculated based on net income plus interest expense for the period divided by interest expense for the period. The fixed-charge coverage ratios and TIER were the same for the three and six months ended November 30, 2014 and 2013 because we did not have any capitalized interest during these periods. We reported a net loss of $\$ 36$ million and $\$ 15$ million for the three and six months ended November 30, 2014, respectively; therefore, the TIER for these periods is below 1.00 .
${ }^{(6)}$ Consists of outstanding principal balance of member loans and deferred loan origination costs of $\$ 10$ million as of both November 30, 2014 and May 31, 2014.
${ }^{(7)}$ Calculated based on total liabilities and guarantees at period end divided by total equity at period end.
${ }^{(8)}$ Calculated based on total liabilities at period end divided by total equity at period end.
EXECUTIVE SUMMARY
Our primary objective as a member-owned cooperative lender is to provide cost-based financial products to our rural electric members, while maintaining sound financial results required for investment-grade credit ratings on our debt instruments. Our objective is not to maximize net income; therefore, the rates we charge our member-borrowers reflect our adjusted interest expense plus a spread to cover our operating expenses, a provision for loan losses and earnings sufficient to achieve interest coverage to meet our financial objectives. Our goal is to earn an annual minimum adjusted TIER of 1.10 and to achieve and maintain an adjusted debt-to-equity ratio below 6.00 -to- 1 .

## Financial Performance

## Reported Results

We reported a net loss of $\$ 36$ million and TIER below 1.00 for the quarter ended November 30, 2014 ("current quarter"), compared with net income of $\$ 25$ million and TIER of 1.15 for the quarter ended November 30, 2013 ("prior year quarter"). We reported a net loss of $\$ 15$ million and TIER below 1.00 for the six months ended November 30, 2014, compared with net income of $\$ 183$ million and TIER of 1.55 for the same prior year period. Our debt-to-equity ratio increased to 23.57 -to-1 as of November 30, 2014, from 21.91-to-1 as of May 31, 2014. Our reported results for the current quarter and six months ended November 30, 2014 reflect the impact of higher net derivative losses and a non-cash impairment charge of $\$ 27$ million related to certain identifiable intangible assets and goodwill of CAH, which resulted in the write down of the carrying value of CAH to $\$ 210$ million as of November 30, 2014. As a result of multiple adverse developments during the quarter that impacted CAH, we concluded that a triggering event had occurred requiring us to conduct an interim impairment test of certain identifiable intangible assets and goodwill. Because of these adverse developments, the cash flow forecasts for CAH were lowered to reflect reduced revenues, which resulted in the recognition of impairment on certain CAH identifiable intangible assets and goodwill. We provide additional information on the CAH impairment charge below under "Consolidated Results of Operations" and in "Note 4—Foreclosed Assets."

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We expect volatility from period to period in our reported GAAP results due to changes in market conditions that result in periodic fluctuations in the estimated fair value of our derivative instruments, which we mark to market through earnings. As previously noted, we therefore use adjusted non-GAAP measures to evaluate our performance and for compliance with our debt covenants.

## Adjusted Non-GAAP Results

Our adjusted net income totaled $\$ 17$ million and $\$ 36$ million for the three months ended November 30, 2014 and 2013, respectively, and our adjusted TIER was 1.09 and 1.20 , respectively. Our adjusted net income totaled $\$ 67$ million and $\$ 71$ million for the six months ended November 30, 2014 and 2013, respectively, and our adjusted TIER was 1.19 for both

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periods. Our adjusted debt-to-equity ratio increased to 6.11 -to-1 as of November 30, 2014, from 5.90-to-1 as of May 31, 2014.

Our adjusted net income for the current quarter and six months ended November 30, 2014 also reflected the unfavorable impact of the CAH non-cash impairment charge of $\$ 27$ million. The impairment charge, however, was offset by improvements in our core operations. Our core operations have benefited from strategic actions taken to reduce our funding costs, resulting in higher adjusted net interest income as the reduction in our average debt cost more than offset a decrease in the average yield on our interest-earning assets. Our adjusted results for the current quarter six months ended November 30, 2014 also include the favorable impact of higher fee and other non-interest income and a reduction in the allowance for loan losses, which resulted in a negative provision for loan losses for the six months ended November 30, 2014.

## Lending Activity

Total loans outstanding, which consists of the unpaid principal balance and excludes deferred loan origination costs, was $\$ 20,773$ million as of November 30, 2014, an increase of $\$ 306$ million, or $1 \%$, from May 31, 2014. The increase was primarily due to the increase in CFC distribution and power supply loans of $\$ 351$ million and $\$ 139$ million, respectively, which was partially offset by a decrease in NCSC loans of $\$ 158$ million and a decrease in RTFC loans of $\$ 21$ million. The increase in CFC distribution and power supply loans was attributable to members refinancing with us loans issued by other lenders and member advances for capital investments.

During the six months ended November 30, 2014, $\$ 695$ million of CFC long-term fixed-rate loans repriced. Of this total, $\$ 641$ million repriced to a new long-term fixed rate; $\$ 34$ million repriced to a long-term variable rate; and $\$ 20$ million were repaid in full.

## Funding Activity

Total debt outstanding was $\$ 21,010$ million as of November 30, 2014, an increase of $\$ 385$ million, or $2 \%$, from May 31, 2014. The increase was primarily due to the issuance of $\$ 300$ million aggregate principal amount of collateral trust bonds in November 2014. Other significant funding-related developments are discussed below.

On October 28, 2014, we amended the $\$ 1,123$ million four-year and $\$ 1,068$ million five-year revolving credit agreements to (i) increase the total aggregate amount of commitments under the four-year and five-year agreements to $\$ 1,720$ million and $\$ 1,700$ million, respectively, and (ii) extend the commitment termination date for the five-year agreement to October 28, 2019. Also, on October 28, 2014, we terminated the existing $\$ 1,036$ million three-year revolving credit agreement, which was scheduled to mature on October 28, 2016.

On October 31, 2014, we provided notice to investors of our intent to redeem the $\$ 400$ million, $1.00 \%$ collateral trust bonds, due 2015 on December 1, 2014. The redemption was effected for liability management purposes. The principal and accrued interest at the December 1, 2014 redemption date were paid with a combination of cash on hand and other sources of liquidity, including issuance of long-term debt.

On November 18, 2014, we closed on a $\$ 250$ million committed loan facility ("Series H") from the U.S. Treasury Department's Federal Financing Bank ("FFB") guaranteed by the United States of America, acting through the Rural Utilities Service ("RUS") as part of the Guaranteed Underwriter Program. Under the Series H facility, we are able to borrow any time before October 15, 2017, with each advance having a final maturity not longer than 20 years from the advance date. This commitment increases total funding available to us under committed loan facilities from the FFB to $\$ 874$ million.

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Recent Ratings Developments
On December 12, 2014, Standard and Poor's Rating Services ("S\&P") announced a downgrade on the senior secured debt of CFC from A+ to A based on the ratings criteria titled "Issue Credit Rating Methodology for Nonbank Financial Institutions and Nonbank Financial Service Companies," published on December 9, 2014. Specifically, S\&P applied the revised ratings criteria to rate CFC's senior secured debt at the same level as CFC's issuer credit rating. S\&P also announced that it has changed CFC's issuer credit rating outlook from "stable" to "negative" based on its revised ratings criteria titled "Nonbank Financial Institutions Rating Methodology," published on December 9, 2014. The change only affects our senior secured

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debt credit rating; our corporate and short-term credit ratings remained unchanged. On November 24, 2014, Moody's Investor Services ("Moody's") reaffirmed CFC's existing senior secured debt, senior unsecured debt, subordinated debt and short-term credit ratings with a stable outlook. There have been no changes of CFC's ratings by Moody's since November 24, 2014.

In revising our ratings outlook from "stable" to "negative," S\&P indicated that our significant use of short-term debt was a factor in its revision of our ratings outlook. Maintaining our investment-grade rating of A is fundamental to our business model, and we intend to reduce our short-term debt over the next year as part of our strategy to restore the S\&P rating outlook to stable. Below we discuss our expectations for the next 12 months and actions we believe will help restore our stable ratings outlook by S\&P.

## Outlook for the Next 12 Months

We expect the amount of new long-term loan advances to exceed scheduled loan repayments over the next 12 months. We anticipate an increase to earnings from our core lending operations over the next 12 months based on our expectations of an increase in long-term loans outstanding and the reduction in our funding costs from the debt exchange completed in May 2014 and the call of our $7.5 \%$ member capital securities.

During fiscal year 2014, the CFC Board of Directors authorized management to execute the call of the outstanding $\$ 387$ million of $7.5 \%$ member capital securities and offer members the option to invest in a new series of member capital securities that currently have a $5 \%$ interest rate. As of November 30, 2014, $\$ 349$ million of the $7.5 \%$ member capital securities had been redeemed, and we had outstanding call notices, with call dates through January 2015, for the remaining $\$ 38$ million. Members had invested $\$ 208$ million in the new series of member capital securities as of November 30, 2014.

As of November 30, 2014, we had $\$ 1,941$ million of long-term debt scheduled to mature over the next 12 months. We believe that we have sufficient liquidity from the combination of existing cash and time deposits, member loan repayments, committed loan facilities and our ability to issue debt in the capital markets, to our members and in private placements, to meet the demand for member loan advances and satisfy our obligations to repay long-term debt maturing over the next 12 months. As of November 30, 2014, we had $\$ 1,008$ million in cash and time deposits, up to $\$ 874$ million available under committed loan facilities from the Federal Financing Bank, $\$ 3,418$ million available under committed revolving lines of credit with a syndicate of banks and, subject to market conditions, up to $\$ 2,372$ million available under a revolving note purchase agreement with Farmer Mac. On January 8, 2015, the commitment amount under the Farmer Mac note purchase agreement was increased by $\$ 600$ million to $\$ 4,500$ million, and the draw period was extended by four years to January 11,2020 . We also have the ability to issue collateral trust bonds and medium-term notes in the capital markets and medium-term notes to members.

We believe we can continue to roll over the member outstanding short-term debt of $\$ 2,142$ million as of November 30, 2014 based on our expectation that our members will continue to reinvest their excess cash in our commercial paper. As part of our strategy to help restore our ratings outlook by S\&P to stable, we intend to manage our short-term wholesale funding risk by reducing our non-member outstanding short-term debt, which primarily consists of dealer commercial paper, of $\$ 2,080$ million as of November 30, 2014 to an approximate range between $\$ 1,000$ million and $\$ 1,250$ million in the third quarter of fiscal year 2015 and maintain our dealer commercial paper within that range for the foreseeable future. We expect to continue to be in compliance with the covenants under our revolving credit agreements, which will allow us to mitigate our roll-over risk as we can draw on these facilities to reduce the level of dealer commercial paper and repay dealer or member commercial paper that cannot be rolled over due to potential adverse changes in market conditions.

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Our goal is to maintain the adjusted debt-to-equity ratio at or below 6.00 -to- 1 . However, because of the expected increase in long-term loans during the remainder of the fiscal year, we anticipate additional borrowings to support our loan growth. As a result, our adjusted debt-to-equity ratio will likely be higher than 6.00 -to- 1 in the near term. CRITICAL ACCOUNTING POLICIES AND ESTIMATES
The preparation of financial statements in accordance with GAAP requires management to make a number of judgments, estimates and assumptions that affect the reported amount of assets, liabilities, income and expenses in the consolidated financial statements. Understanding our accounting policies and the extent to which we use management judgment and

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estimates in applying these policies is integral to understanding our financial statements. We provide a discussion of our significant accounting policies under "Note 1—General Information and Accounting Policies" in our 2014 Form 10-K.

We have identified the allowance for loan losses and fair value as our most critical accounting policies because they require significant judgments and assumptions about highly complex and inherently uncertain matters and the use of reasonably different estimates and assumptions could have a material impact on our reported results of operations or financial condition. We evaluate our critical accounting estimates and judgments on an ongoing basis and update them, as necessary, based on changing conditions. Management has discussed our critical accounting policies and estimates with the Audit Committee of the Board of Directors. We provide information on the methodologies and key assumptions used in our critical accounting policies and estimates under "MD\&A—Critical Accounting Policies and Estimates" in our 2014 Form 10-K.
ACCOUNTING CHANGES AND DEVELOPMENTS

See "Note 1—Summary of Significant Accounting Policies" for information on accounting standards adopted during the six months ended November 30, 2014, as well as recently issued accounting standards not yet required to be adopted and the expected impact of these accounting standards. To the extent we believe the adoption of new accounting standards has had or will have a material impact on our results of operations, financial condition or liquidity, we discuss the impacts in the applicable section(s) of MD\&A.
CONSOLIDATED RESULTS OF OPERATIONS

The section below provides a comparative discussion of our condensed consolidated results of operations for the three and six months ended November 30, 2014 and 2013. Following this section, we provide a comparative analysis of our condensed consolidated balance sheets as of November 30, 2014 and May 31, 2014. You should read these sections together with our "Executive Summary-Outlook for the Next 12 Months" where we discuss trends and other factors that we expect will affect our future results of operations.

## Net Interest Income

Net interest income represents the difference between the interest income and applicable fees earned on our interest-earning assets, which include loans and investment securities, and the interest expense on our interest-bearing liabilities. Our net interest yield represents the difference between the yield on our interest-earning assets and the cost of our interest-bearing liabilities plus the impact from non-interest bearing funding. We expect net interest income and our net interest yield to fluctuate based on changes in interest rates and changes in the amount and composition of our interest-earning assets and interest-bearing liabilities. We do not fund each individual loan with specific debt. Rather, we attempt to minimize costs and maximize efficiency by funding large aggregated amounts of loans.

Table 2 presents our average balance sheets for the three and six months ended November 30, 2014 and 2013, and for each major category of our interest-earning assets and interest-bearing liabilities, the interest income earned or interest expense incurred, and the average yield or cost. Table 2 also presents non-GAAP adjusted interest expense, adjusted net interest income and adjusted net interest yield, which reflect the inclusion of net periodic derivative cash settlements in interest expense. We provide reconciliations of our non-GAAP adjusted measures to the most comparable GAAP measures under "Non-GAAP Financial Measures."

Table 2: Average Balances, Interest Income/Interest Expense and Average Yield/Cost Three Months Ended November 30,
(Dollars in thousands)
Assets:
Long-term fixed-rate loans Long-term variable-rate loans Line of credit loans
Restructured loans
Nonperforming loans
Interest-based fee income ${ }^{(1)}$
Total loans
Cash, investments and time deposits
Total interest-earning assets
Other assets, less allowance for loan losses
Total assets
Liabilities:

| Short-term debt | $\$ 3,826,661$ | $\$ 1,432$ | 0.15 | $\%$ | $\$ 4,415,278$ | $\$ 1,607$ | 0.15 | $\%$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Medium-term notes | $2,864,538$ | 17,022 | 2.38 |  | $2,720,722$ | 20,980 | 3.09 |  |
| Collateral trust bonds | $6,079,894$ | 75,219 | 4.96 | $5,795,684$ | 74,858 | 5.18 |  |  |
| Subordinated deferrable debt | 400,000 | 4,750 | 4.76 | 395,659 | 4,750 | 4.82 |  |  |
| Subordinated certificates | $1,523,922$ | 16,116 | 4.24 | $1,751,394$ | 20,494 | 4.69 |  |  |
| Long-term notes payable | $5,771,706$ | 36,823 | 2.56 | $5,530,105$ | 38,759 | 2.81 |  |  |
| Debt issuance costs ${ }^{(2)}$ | - | 1,932 | - | - | 1,782 | - |  |  |
| Interest-based fee expense ${ }^{(3)}$ | - | 4,981 | - |  | - | 2,115 | - |  |
| Total interest-bearing liabilities | $\$ 20,466,721$ | $\$ 158,275$ | 3.10 | $\%$ | $\$ 20,608,842$ | $\$ 165,345$ | 3.22 | $\%$ |
| Other liabilities | 963,240 |  |  | 976,996 |  |  |  |  |
| Total liabilities | $21,429,961$ |  |  |  | $21,585,838$ |  |  |  |
| Total equity | 956,373 |  |  | 946,709 |  |  |  |  |
| Total liabilities and equity | $\$ 22,386,334$ |  |  | $\$ 22,532,547$ |  |  |  |  |


| Net interest spread ${ }^{(4)}$ |  | 1.34 | $\%$ | 1.26 | $\%$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Impact of non-interest bearing <br> funding |  | 0.11 |  | 0.12 |  |  |
| Net interest income/net interest <br> yield $^{(5)}$ | $\$ 76,960$ | 1.45 | $\%$ | $\$ 73,909$ | 1.38 | $\%$ |

Adjusted net interest income/adjusted net interest yield:
Interest income
Interest expense
Add: Net derivative cash
settlement cost ${ }^{(6)}$
Adjusted interest
expense/adjusted average $\operatorname{cost}^{(7)}$

| 2014 |  |  |  | 2013 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Average | Interest | Aver |  | Average | Interest | Averag |  |
| Balance | Income/ExpenseYield/Cost |  |  | Balance | Income/ExpenseYield/Cost |  |  |
| \$18,688,811 | \$ 219,119 | 4.70 | \% | \$18,381,382 | \$ 221,952 | 4.84 | \% |
| 693,758 | 4,902 | 2.83 |  | 700,124 | 4,826 | 2.76 |  |
| 1,141,369 | 6,687 | 2.35 |  | 1,417,244 | 7,505 | 2.12 |  |
| 7,555 | 10 | 0.53 |  | 7,586 | - | - |  |
| 1,695 | - | - |  | 12,704 | - | - |  |
| - | 2,968 | - |  | - | 3,154 | - |  |
| 20,533,188 | 233,686 | 4.56 |  | 20,519,040 | 237,437 | 4.64 |  |
| 720,433 | 1,549 | 0.86 |  | 913,189 | 1,817 | 0.80 |  |
| \$21,253,621 | \$ 235,235 | 4.44 | \% | \$21,432,229 | \$ 239,254 | 4.48 | \% |
| 1,132,713 |  |  |  | 1,100,318 |  |  |  |
| \$22,386,334 |  |  |  | \$22,532,547 |  |  |  |


| Adjusted net interest spread ${ }^{(4)}$ |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Impact of non-interest bearing <br> funding |  | 0.92 | $\%$ |  | 0.88 | $\%$ |
| Adjusted net interest <br> income/adjusted net interest <br> yield ${ }^{(8)}$ | 0.12 |  | 0.14 |  |  |  |

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| (Dollars in thousands) | Six Months Ended November 30,2014 |  |  |  | 2013 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Assets: | Average | Interest | Aver |  | Average | Interest | Aver |  |
|  | Balance | Income/ExpenseYield/Cost |  |  | Balance | Income/ExpenseYield/Cost |  |  |
| Long-term fixed-rate loans | \$18,572,866 | \$ 438,535 | 4.71 | \% | \$18,364,696 | \$ 446,535 | 4.85 | \% |
| Long-term variable-rate loans | 724,399 | 10,262 | 2.83 |  | 699,276 | 9,654 | 2.75 |  |
| Line of credit loans | 1,149,132 | 13,629 | 2.37 |  | 1,218,411 | 15,077 | 2.47 |  |
| Restructured loans | 7,570 | 10 | 0.26 |  | 14,036 | 136 | 1.93 |  |
| Nonperforming loans | 1,884 | - | - |  | 14,084 | - | - |  |
| Interest-based fee income ${ }^{(1)}$ | - | 5,969 | - |  | - | 5,170 | - |  |
| Total loans | 20,455,851 | 468,405 | 4.57 |  | 20,310,503 | 476,572 | 4.68 |  |
| Cash, investments and time deposits | 858,957 | 4,121 | 0.96 |  | 974,946 | 3,753 | 0.77 |  |
| Total interest-earning assets | \$21,314,808 | \$ 472,526 | 4.42 | \% | \$21,285,449 | \$ 480,325 | 4.50 | \% |
| Other assets, less allowance for loan losses | 1,015,962 |  |  |  | 1,254,057 |  |  |  |
| Total assets | \$22,330,770 |  |  |  | \$22,539,506 |  |  |  |

Liabilities:

| Short-term debt | $\$ 3,812,950$ | $\$ 2,706$ | 0.14 | $\%$ | $\$ 4,196,329$ | $\$ 3,039$ | 0.14 | $\%$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Medium-term notes | $2,812,085$ | 33,741 | 2.39 | $2,860,230$ | 42,551 | 2.97 |  |  |
| Collateral trust bonds | $6,048,488$ | 149,986 | 4.95 | $5,875,475$ | 151,656 | 5.15 |  |  |
| Subordinated deferrable debt | 400,000 | 9,500 | 4.74 | 395,711 | 9,500 | 4.79 |  |  |
| Subordinated certificates | $1,533,475$ | 32,896 | 4.28 | $1,730,178$ | 41,120 | 4.74 |  |  |
| Long-term notes payable | $5,815,810$ | 75,257 | 2.58 | $5,449,920$ | 76,698 | 2.81 |  |  |
| Debt issuance costs ${ }^{(2)}$ | - | 3,725 | - | - | 3,647 | - |  |  |
| Interest-based fee expense ${ }^{(3)}$ | - | 7,016 | - |  | - | 4,719 | - |  |
| Total interest-bearing liabilities | $\$ 20,422,808$ | $\$ 314,827$ | 3.07 | $\%$ | $\$ 20,507,843$ | $\$ 332,930$ | 3.24 | $\%$ |
| Other liabilities | 946,469 |  |  |  | $1,134,004$ |  |  |  |
| Total liabilities | $21,369,277$ |  |  | $21,641,847$ |  |  |  |  |
| Total equity | 961,493 |  |  | 897,659 |  |  |  |  |
| Total liabilities and equity | $\$ 22,330,770$ |  |  | $\$ 22,539,506$ |  |  |  |  |


| Net interest spread ${ }^{(4)}$ |  | 1.35 | $\%$ |  | 1.26 | $\%$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Impact of non-interest bearing <br> funding | 0.13 |  | 0.12 |  |  |  |
| Net interest income/net interest <br> yield $^{(5)}$ | $\$ 157,699$ | 1.48 | $\%$ | $\$ 147,395$ | 1.38 | $\%$ |

Adjusted net interest income/adjusted net interest yield:

| Interest income | $\$ 472,526$ | 4.42 | $\%$ | $\$ 480,325$ | 4.50 | $\%$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Interest expense | 314,827 | 3.07 |  | 332,930 | 3.24 |  |
| Add: Net derivative cash <br> settlement cost ${ }^{(6)}$ | 41,865 | 0.98 | 36,156 | 0.86 |  |  |
| Adjusted interest <br> expense/adjusted average | $\$ 356,692$ | 3.48 | $\%$ | $\$ 369,086$ | 3.59 | $\%$ |


| Adjusted net interest spread(4) | 0.94 | $\%$ |  | 0.91 | $\%$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Impact of non-interest bearing <br> funding | 0.14 |  | 0.13 |  |  |  |
| Adjusted net interest <br> income/adjusted net interest <br> yield $^{(8)}$ | $\$ 115,834$ | 1.08 | $\%$ | $\$ 111,239$ | 1.04 | $\%$ |

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${ }^{(2)}$ Primarily consists of underwriter's fees, legal fees, printing costs and certain accounting fees, which are deferred and recognized in interest expense using the effective interest method. Also includes issuance costs related to dealer commercial paper, which are recognized immediately as incurred.
${ }^{(3)}$ Reflects various fees related to funding activities, including fees paid to banks participating in our revolving credit agreements. Amounts are recognized as incurred or amortized on a straight-line basis over the life of the agreement. ${ }^{(4)}$ Net interest spread represents the difference between the average yield on interest-earning assets and the average cost of interest-bearing funding. Adjusted net interest spread represents the difference between the average yield on interest-earning assets and the adjusted average cost of interest-bearing funding.
${ }^{(5)} \mathrm{Net}$ interest yield is calculated based on annualized net interest income for the period divided by average interest-earning assets for the period.
${ }^{(6)}$ Represents the impact of net periodic derivative cash settlements during the period, which is added to interest expense to derive non-GAAP adjusted interest expense. The average (benefit)/cost associated with derivatives is calculated based on the annualized net periodic cash settlements during the period divided by the average notional outstanding amount of derivatives during the period. The average outstanding notional amount of derivatives was $\$ 8,493$ million and $\$ 8,297$ million for the three months ended November 30, 2014 and 2013, respectively. The average notional outstanding amount of derivatives was $\$ 8,489$ million and $\$ 8,392$ million for the six months ended November 30, 2014 and 2013, respectively.
${ }^{(7)}$ Adjusted average cost is calculated based on annualized adjusted interest expense for the period divided by average interest-bearing funding during the period.
${ }^{(8)}$ Adjusted net interest yield is calculated based on annualized adjusted net interest income for the period divided by average interest-earning assets for the period.

Table 3 displays the change in our net interest income between periods and the extent to which the variance is attributable to:
(i) changes in the volume of our interest-earning assets and interest-bearing liabilities or (ii) changes in the interest rates of these assets and liabilities. The table also presents the change in adjusted net interest income between periods.

Table 3: Rate/Volume Analysis of Changes in Interest Income/Interest Expense
Three Months Ended November 30, Six Months Ended November 30, 2014 versus 2013 2014 versus 2013

| Total Variance | Variance due to:(1) |  |  |  | Total <br> Variance |  |  | Variance due to:(1) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Volume |  | Rate |  |  |  | Volume |  | Rate |  |
| \$ 2,833 | ) | \$3,712 |  | \$ 6,545 | ) | \$(8,000 | ) | \$5,062 |  | \$(13,062 | ) |
| 76 |  | (44 | ) | 120 |  | 608 |  | 347 |  | 261 |  |
| (818 | ) | (1,461 | ) | 643 |  | (1,448 | ) | (857 | ) | (591 | ) |
| 10 |  | - |  | 10 |  | (126 | ) | (63 | ) | (63 | ) |
| - |  | - |  | - |  | - |  | - |  | - |  |
| (186 | ) | - |  | (186 | ) | 799 |  | - |  | 799 |  |
| (3,751 | ) | 2,207 |  | (5,958 | ) | (8,167 | ) | 4,489 |  | (12,656 | ) |
| (268 | ) | (384 | ) | 116 |  | 368 |  | (446 | ) | 814 |  |
| (4,019 | ) | 1,823 |  | (5,842 | ) | (7,799 | ) | 4,043 |  | (11,842 | ) |

Interest expense:

| Short-term debt | (175 | ) | (214 | ) | 39 |  | (333 |  | (278 | ) | (55 | ) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Medium-term notes | (3,958 | ) | 1,109 |  | (5,067 | ) | (8,810 |  | (716 | ) | (8,094 | ) |
| Collateral trust bonds | 361 |  | 3,670 |  | (3,309 | ) | (1,670 |  | 4,467 |  | (6,137 | ) |
| Subordinated deferrable debt | - |  | 52 |  | (52 | ) | - |  | 103 |  | (103 | ) |
| Subordinated certificates | (4,378 | ) | (2,662 | ) | (1,716 | ) | (8,224 |  | (4,675 | ) | (3,549 | ) |
| Long-term notes payable | (1,936 | ) | 1,693 |  | (3,629 | ) | (1,441 |  | 5,149 |  | (6,590 | ) |
| Debt issuance costs | 150 |  | - |  | 150 |  | 78 |  | - |  | 78 |  |
| Fee expense | 2,866 |  | - |  | 2,866 |  | 2,297 |  | - |  | 2,297 |  |
| Interest expense | (7,070 | ) | 3,648 |  | (10,718 | ) | (18,103 |  | 4,050 |  | (22,153 | ) |
| Net interest income | \$3,051 |  | \$(1,825 | ) | \$4,876 |  | \$ 10,304 |  | \$(7 | ) | \$ 10,311 |  |

Adjusted net interest income:

| Interest income | $\$(4,019$ | $)$ | $\$ 1,823$ | $\$(5,842$ | $)$ | $\$(7,799$ | $\$ 4,043$ | $\$(11,842)$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Interest expense | $(7,070$ | $)$ | 3,648 | $(10,718$ | $)$ | $(18,103$ | $)$ | 4,050 |
| $(22,153$ | $)$ |  |  |  |  |  |  |  |
| Derivative cash settlements ${ }^{(2)}$ | 2,293 | 458 | 1,835 | 5,709 | 415 | 5,294 |  |  |
| Adjusted interest expense ${ }^{(3)}$ | $(4,777$ | $)$ | 4,106 | $(8,883$ | $)$ | $(12,394$ | $)$ | 4,465 |
| Adjusted net interest income | $\$ 758$ | $\$(2,283$ | $\$ 3,041$ | $\$ 4,595$ | $\$(422$ | $)$ | $\$ 5,017$ |  |

${ }^{(1)}$ The changes for each category of interest income and interest expense are divided between the portion of change attributable to the variance in volume and the portion of change attributable to the variance in rate for that category. The amount attributable to the combined impact of volume and rate has been allocated to each category based on the proportionate absolute dollar amount of change for that category.
${ }^{(2)}$ For derivative cash settlements, variance due to average volume represents the change in derivative cash settlements that resulted from the change in the average notional amount of derivative contracts outstanding. Variance due to average rate represents the change in derivative cash settlements that resulted from the net difference between the average rate paid and the average rate received for interest rate swaps during the period.
${ }^{(3)}$ See "Non-GAAP Financial Measures" for additional information on the our adjusted non-GAAP measures.
Net interest income of $\$ 77$ million for the current quarter increased by $\$ 3$ million, or $4 \%$, from the same prior year quarter, driven by an increase in the net interest yield of $5 \%$ ( 7 basis points) to $1.45 \%$, which was partially offset by a $1 \%$ decrease in average interest-earning assets.

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Net interest income of $\$ 158$ million for the six months ended November 30, 2014 increased by $\$ 10$ million, or $7 \%$, from the same prior-year period, driven by an increase in the net interest yield of $7 \%$ ( 10 basis points) to $1.48 \%$ and a modest increase in average interest-earning assets.

Net Interest Yield: The increase in the net interest yield in the three and six months ended November 30, 2014 was largely attributable to a reduction in our average cost of funds, which more than offset a decrease in the average yield on interest-earning assets. The reduction in our average cost of funds of 12 basis points and 17 basis points in the three and six months ended November 30, 2014, respectively, to $3.10 \%$ and $3.07 \%$, respectively, was primarily attributable to the call and redemption of $\$ 349$ million of $7.5 \%$ member capital securities during the past 12 months, a portion of which we replaced with lower rate member capital securities and the remainder replaced with lower cost short-term debt. Our average cost of funds also reflected the benefit from the replacement of higher-cost debt that matured during 2014, primarily medium-term notes, collateral trust bonds, and long-term notes payable, with lower cost debt as a result of the continued low interest rate environment. The decrease in the average yield on interest-earning assets of 4 basis points and 8 basis points in the three and six months ended November 30, 2014, respectively, to $4.44 \%$ and $4.42 \%$, respectively, was largely attributable to reduced rates on fixed-rate loans, reflecting the repricing of higher rate loans to lower interest rates and lower interest rates on new loan originations as a result of the overall low interest rate environment. As a cost-based lender, our fixed interest rates for loans are intended to reflect our cost of borrowing plus a spread to cover our cost of operations and provision for loan losses and to provide earnings sufficient to achieve interest coverage to meet financial objectives. As benchmark treasury rates remained low and our credit spread tightened over the past few years, there was a continued reduction in the rates we had to pay to obtain funding in the capital markets. We therefore lowered the long-term fixed rates on our new loans.

- Average Interest-Earning Assets: Average interest-earning assets remained relatively stable during the three and six months ended November 30, 2014, reflecting loan advances that slightly offset loan payments.

Adjusted net interest income of $\$ 55$ million for the current quarter increased by $\$ 1$ million, or $1 \%$, from the same prior year quarter, driven by an increase in the adjusted net interest yield of $2 \%$ ( 2 basis points) to $1.04 \%$, which was partially offset by a $1 \%$ decrease in average interest-earning assets. Adjusted net interest income of $\$ 116$ million for the six months ended November 30, 2014 increased by $\$ 5$ million, or $4 \%$, from the same prior-year period, driven by an increase in the adjusted net interest yield of $4 \%$ ( 4 basis points) to $1.08 \%$.

Our adjusted net interest income and adjusted net interest yield reflect the impact of net periodic derivative cash settlements during the period, which we include in interest expense to derive adjusted interest expense. We recorded net periodic derivative cash settlement expense of $\$ 22$ million and $\$ 19$ million for the three months ended November 30, 2014 and 2013, respectively, and $\$ 42$ million and $\$ 36$ million for the six months ended November 30, 2014 and 2013, respectively. The increase in the adjusted net interest yield in the three and six months ended November 30, 2014 reflected the benefit from strategic actions taken to reduce our funding costs, resulting in higher adjusted net interest income as the reduction in our average debt cost more than offset a decrease in the average yield on our interest-earning assets. See "Non-GAAP Financial Measures" for additional information on our adjusted measures.

Provision for Loan Losses
Our provision for loan losses in each period is primarily driven by the level of allowance that we determine is necessary for probable incurred loan losses inherent in our loan portfolio as of each balance sheet date.

We recorded a provision for loan losses of $\$ 1$ million and a negative provision of $\$ 6$ million for the three and six months ended November 30, 2014, respectively, compared with a provision of loan losses of $\$ 1$ million and $\$ 2$ million for the three and six months ended November 30, 2013. Our provision for loan losses has remained relatively stable, reflecting modest improvement in the credit quality and overall credit risk profile of our loan portfolio and

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relatively flat loan balances. Specifically, certain loans experienced favorable migration through our internal risk rating process. As a result, our allowance for loan losses decreased to $\$ 51$ million as of November 30, 2014, from $\$ 56$ million as of May 31, 2014. We provide additional information on our allowance for loan losses under "Credit Risk-Allowance for Loan Losses" and "Note 3-Loans and Commitments" of this Report. For information on our allowance methodology, see "Note 1—General Information and Accounting Policies" in our 2014 Form 10-K.

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## Non-Interest Income

Non-interest income consists of fee and other income, gains and losses on derivatives not accounted for in hedge accounting relationships and results of operations of foreclosed assets.

We recorded losses from non-interest income of $\$ 94$ million and $\$ 29$ million for the three months ended November 30, 2014 and 2013, respectively. We recorded a loss from non-interest income of $\$ 142$ million for the six months ended November 30, 2014, compared with income of $\$ 78$ million for the same prior year period. The variance in non-interest income for the three and six months ended November 30, 2014 from the same prior year periods was primarily attributable to changes in net derivative gains (losses) recognized in our consolidated statements of operations and the non-cash impairment charge of $\$ 27$ million related to certain identifiable intangible assets and goodwill of CAH.

Derivative Gains (Losses), Net
Our derivative instruments are an integral part of our interest rate risk management strategy. Our principal purpose in using derivatives is to manage our aggregate interest rate risk profile within prescribed risk parameters. The derivative instruments we use primarily include interest rate swaps, which we typically hold to maturity. The primary factors affecting the fair value of our derivatives and net derivative gains (losses) recorded in our results of operations include changes in interest rates, yield curves and implied interest rate volatility and the composition and balance of instrument types in our derivative portfolio. We generally do not designate interest rate swaps, which represent the substantial majority of our derivatives, for hedge accounting. Accordingly, changes in the fair value of interest rate swaps are reported in our consolidated statements of operations under derivative gains (losses), net. We did not have any derivatives designated as accounting hedges as of November 30, 2014 or May 31, 2014.

We recorded net derivative losses of $\$ 75$ million and $\$ 31$ million for the three months ended November 30, 2014 and 2013, respectively. We recorded net derivative losses of $\$ 124$ million for the six months ended November 30, 2014, compared with net derivative gains of $\$ 76$ million for the same prior-year period. Table 4 presents the components of net derivative gains (losses) recorded in our condensed consolidated results of operations for the three and six months ended November 30, 2014 and 2013. Derivative cash settlements represent net contractual interest expense accruals on interest rate swaps during the period. The derivative forward value represents the change in fair value of our interest rate swaps during the reporting period due to changes in expected future interest rates over the remaining life of our derivative contracts.

Table 4: Derivative Gains (Losses), Net
(Dollars in thousands)
Derivative gains (losses) attributable to:
Derivative cash settlements
Derivative forward value
Derivative gains (losses), net

| Three Months Ended November <br> 30, | Six Months Ended November 30, |  |  |
| :--- | :--- | :--- | :--- |
| 2014 | 2013 | 2014 | 2013 |
| $\$(21,764$ | $)$ | $\$(19,471$ |  |
| $(52,797$ | $)$ | $\$(41,865$ | $)$ |
| $\$(74,561$ | $)$ | $\$(30,780$ | $)$ |

The net derivative gains (losses) relate to interest rate swap agreements. We currently use two types of interest rate swap agreements: (i) we pay a fixed rate and receive a variable rate ("pay-fixed swaps") and (ii) we pay a variable rate and receive a fixed rate ("receive-fixed swaps"). Pay-fixed swaps generally decrease in value as interest rates decline and increase in value as interest rates rise. In contrast, receive-fixed swaps generally increase in value as interest rates decline and decrease in value as interest rates rise. The composition of our pay-fixed and receive-fixed swaps varies across the swap yield curve. As a result, the overall fair value gains and losses of our derivatives are also sensitive to

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flattening and steepening of the swap yield curve. See "Note 12—Fair Value of Financial Instruments" for information on how we estimate the fair value of our derivative instruments.

Table 5 displays the average notional amount outstanding, by swap agreement type, and the weighted-average interest rate paid and received for derivative cash settlements during the three and six months ended November 30, 2014 and 2013. As indicated in Table 5, our derivative portfolio is currently comprised of a higher proportion of pay-fixed swaps than receive-

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fixed swaps, which is subject to change based on changes in market conditions and actions taken to manage our interest rate risk.

Table 5: Derivative Average Notional Balances and Average Interest Rates
Three Months Ended November 30,

|  | 2014 |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | Average | Weighted- | Weighted- |  | Average | Weighted- | Weighted- |  |  |
| (Dollars in | Notional | Average | Average | Notional | Average | Average |  |  |  |
| thousands) | Balance | Rate Paid | Rate Received | Balance | Rate Paid | Rate Received |  |  |  |
| Pay-fixed swaps | $\$ 5,543,655$ | 3.30 | $\%$ | 0.24 | $\%$ | $\$ 5,371,581$ | 3.36 | $\%$ | 0.24 |
| Receive-fixed swaps | $2,949,000$ | 0.83 |  | 3.60 |  | $2,925,440$ | 0.96 | 4.06 |  |
| Total | $\$ 8,492,655$ | 2.45 | $\%$ | 1.41 | $\%$ | $\$ 8,297,021$ | 2.52 | $\%$ | 1.59 |


| (Dollars in thousands) | Six Months Ended November 30,2014 |  |  |  |  | 2013 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Average | Weighted- | Weighted- |  |  | Average | Weighted- |  | Weighted- |  |
|  | Notional | Average |  | Aver |  | Notional | Average |  | Aver |  |
|  | Balance | Rate Paid |  | Rate |  | Balance | Rate Paid |  | Rate |  |
| Pay-fixed swaps | \$5,481,180 | 3.31 | \% | 0.24 | \% | \$5,372,466 | 3.37 | \% | 0.25 | \% |
| Receive-fixed swaps | 3,007,333 | 0.84 |  | 3.61 |  | 3,019,703 | 1.00 |  | 4.17 |  |
| Total | \$8,488,513 | 2.43 | \% | 1.44 | \% | \$8,392,169 | 2.52 | \% | 1.66 | \% |

The net derivative losses of $\$ 75$ million and $\$ 124$ million recorded in the three and six months ended November 30, 2014 were primarily attributable to a flattening of the swap yield curve during the period, as the overall level of interest rates on the longer end of the yield curve declined. This decline resulted in a net decrease in the fair value of our pay-fixed swaps and a net increase in the fair value of our receive-fixed swaps. Because of the composition of our derivative portfolio, the decline in the fair value of our pay-fixed swaps more than offset the increase in the fair value of our receive-fixed swaps.

The net derivative losses of $\$ 31$ million recorded in the three months ended November 30, 2013 were largely attributable to the combined impact of a downward shift in and steepening of the swap yield curve during the period. The net derivative gains of $\$ 76$ million for the six months ended November 30, 2013 were primarily attributable to a significant steepening of the swap yield curve as longer-term swap rates increased during the period, which resulted in an overall increase in the fair value of our pay-fixed swaps that more than offset an overall decrease in the fair value of our receive-fixed swaps.

See "Note 8—Derivative Financial Instruments" for additional information on our derivative instruments.
Results of Operations of Foreclosed Assets
The financial operating results of CAH and DRP, entities controlled by CFC that hold foreclosed assets, are reported in our consolidated statements of operations under results of operations of foreclosed assets.

We recorded total losses from the results of operations of foreclosed assets of $\$ 29$ million and $\$ 3$ million for the three months ended November 30, 2014 and 2013, respectively, and losses of $\$ 32$ million and $\$ 7$ million for the six months ended November 30, 2014 and 2013, respectively. The significant increase in losses in the current quarter and six months ended November 30, 2014, from the same prior year periods was due to the non-cash impairment charge of $\$ 27$ million to write down the carrying value of CAH.

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## CAH

CAH had losses from the results of operations, including impairment, of $\$ 29$ million and $\$ 3$ million for the three months ended November 30, 2014 and 2013, respectively, and losses of $\$ 32$ million and $\$ 7$ million for the six months ended November 30, 2014 and 2013, respectively.

CAH continues to work on its planned technology and infrastructure upgrades and its marketing of the enhanced services that will be available to CAH's customer base following the completion of the upgrades. However, during the quarter ending November, 30, 2014, CAH encountered issues with certain elements of the construction of the new network and service delivery technology, which required remediation and delayed the acceptance testing of network upgrades and product enhancements. CAH has experienced less than expected subscriber growth, revenue growth and lower than anticipated customer migration rates to the new network and internet services. In addition, the economic recovery in the area has lagged improvements in the overall U.S. recovery and is slower than previously expected. After taking these multiple factors into consideration, we concluded that a triggering event had occurred requiring us to conduct an interim impairment test to evaluate certain CAH tangible and intangible assets for impairment and assess whether the estimated fair value of CAH was less than our carrying value. As a result of the aforementioned events, CAH cash flow forecasts utilized in the interim impairment test were lowered to reflect reduced revenues. To assess goodwill impairment, we estimated the fair value of CAH based on a market approach and an income approach (discounted cash flow method), both of which require significant judgment. In applying these approaches, we relied on a number of factors, including actual operating results, an updated cash flow forecast based on the developments during the quarter and future business plans, revised economic projections and market data. We also considered recent transaction activity and market multiples for the telecommunications industry. Based on our assessment, we recognized impairment on certain identifiable intangible assets and goodwill of $\$ 27$ million, which reduced CAH's carrying value to $\$ 210$ million as of November 30, 2014, from $\$ 239$ million as of May 31, 2014.

CAH is nearing the completion of its program to update its network infrastructure. CAH is actively transitioning customers to the new infrastructure and marketing the enhanced services to current and new customers. Our intent is to sell CAH; however, it is difficult to predict the level of interest from potential buyers and we can provide no certainty as to whether or when a disposition transaction will be completed or the amount of any sales proceeds that may be realized from such a transaction. It is also uncertain as to whether we will be able to sell all of the CAH operating businesses in a single transaction, or if the businesses will be sold to multiple buyers. See "Note 4-Foreclosed Assets" for additional information on the CAH impairment charge and results of operations.

## DRP

DRP had losses from the results of operations of less than $\$ 1$ million for the three months ended November 30, 2014 and 2013, and for the six months ended November 30, 2014 and 2013. Our carrying value of DRP decreased to $\$ 3$ million as of November 30, 2014, from $\$ 7$ million as of May 31, 2014. The decrease was due to the sale of DRP's interest in bond reimbursement receivables for which we received proceeds of approximately $\$ 2$ million. We have entered into a contract to
sell DRP's remaining interest in real estate properties. We expect the sale, which would dispose of our DRP holdings, to be completed by March 2015.

## Non-Interest Expense

Non-interest expense consists of salaries and employee benefit expense, general and administrative expenses, provision for guarantee liability, losses on early extinguishment of debt and other miscellaneous expenses.

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Non-interest expense of $\$ 18$ million and $\$ 37$ million for the three and six months ended November 30, 2014 decreased by $3 \%$ and $2 \%$, respectively, from the same prior-year periods. The decrease was attributable to a modest decline in other general and administrative expenses, which was partially offset by a slight increase in salaries and employee benefits.

Net Income (Loss) Attributable to the Noncontrolling Interests
The net income (loss) attributable to the noncontrolling interests represents $100 \%$ of the results of operations of RTFC and NCSC, as the members of RTFC and NCSC own or control $100 \%$ of the interest in their respective companies. The

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fluctuations in net income (loss) attributable to noncontrolling interests are primarily due to fluctuations in the fair value of NCSC's derivative instruments.

## CONSOLIDATED BALANCE SHEET ANALYSIS

Total assets of $\$ 22,573$ million as of November 30, 2014 increased slightly by $\$ 340$ million, or $2 \%$ from May 31 , 2014. Total liabilities of $\$ 21,654$ million as of November 30, 2014 increased by $\$ 392$ million, or $2 \%$, from May 31, 2014, primarily due to the increase in our funding needs for the $\$ 306$ million growth in the loan portfolio. Total equity decreased by $\$ 52$ million in the six months ended November 30, 2014, to $\$ 919$ million as of November 30, 2014. The decrease in total equity was primarily attributable to CFC's Board of Directors July 2014 authorization of patronage capital retirement of $\$ 40$ million and to our net loss of $\$ 15$ million for the six months ended November 30, 2014. Following is a discussion of changes in the major components of our assets and liabilities during the six months ended November 30, 2014. Period-end balance sheet amounts may vary from average balance sheet amounts due to liquidity and balance sheet management activities that are intended to manage liquidity requirements for the company and our customers and our market risk exposure in accordance with our risk appetite.

## Loan Portfolio

We are a cost-based lender that offers long-term fixed- and variable-rate loans and line of credit variable-rate loans. Borrowers choose between a variable interest rate or a fixed interest rate for periods of one to 35 years. When a selected fixed interest rate term expires, the borrower may select another fixed-rate term or the variable rate.

Table 6 summarizes loans outstanding by type and by member class as of November 30, 2014 and May 31, 2014.
Table 6: Loans Outstanding by Type and Member Class ${ }^{(1)}$

| (Dollars in thousands) | November 30, 2014 |  |  | May 31, 2014 |  |  | Increase/ (Decrease) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Amount |  |  | Amount |  |  |  |  |
| Loan type: |  |  |  |  |  |  |  |  |
| Long-term loans: |  |  |  |  |  |  |  |  |
| Long-term fixed-rate loans | \$ 18,712,604 | 90 | \% | \$ 18,175,656 | 88 | \% | \$536,948 |  |
| Long-term variable-rate loans | 689,878 | 3 |  | 753,918 | 4 |  | (64,040 | ) |
| Loans guaranteed by RUS | 181,986 | 1 |  | 201,863 | 1 |  | (19,877 | ) |
| Total long-term loans | 19,584,468 | 94 |  | 19,131,437 | 93 |  | 453,031 |  |
| Line of credit loans | 1,188,812 | 6 |  | 1,335,488 | 7 |  | (146,676 | ) |
| Total loans | \$20,773,280 | 100 | \% | \$20,466,925 | 100 | \% | \$306,355 |  |
| Member class: |  |  |  |  |  |  |  |  |
| CFC: |  |  |  |  |  |  |  |  |
| Distribution | \$15,386,626 | 75 | \% | \$ 15,035,365 | 74 | \% | \$351,261 |  |
| Power supply | 4,224,787 | 20 |  | 4,086,163 | 20 |  | 138,624 |  |
| Statewide and associate | 63,740 | - |  | 67,902 | - |  | (4,162 | ) |
| CFC total | 19,675,153 | 95 |  | 19,189,430 | 94 |  | 485,723 |  |
| RTFC | 428,648 | 2 |  | 449,546 | 2 |  | (20,898 | ) |
| NCSC | 669,479 | 3 |  | 827,949 | 4 |  | (158,470 | ) |
| Total | \$20,773,280 | 100 | \% | \$20,466,925 | 100 | \% | \$306,355 |  |

[^1]The balance of loans outstanding of $\$ 20,773$ million as of November 30, 2014 increased by $\$ 306$ million from May 31, 2014. The increase was primarily due to the increase in CFC distribution and power supply loans of $\$ 351$ million and $\$ 139$ million, respectively, which was partially offset by a decrease in NCSC loans of $\$ 158$ million and a decrease in RTFC loans of $\$ 21$ million. The increase in CFC distribution and power supply loans was attributable to members refinancing with us loans issued by other lenders and member advances for capital investments.

During the six months ended November 30, 2014, $\$ 695$ million of CFC long-term fixed-rate loans repriced. Of this total, $\$ 641$ million repriced to a new long-term fixed rate; $\$ 34$ million repriced to a long-term variable rate; and $\$ 20$ million were repaid in full.

We provide additional information on loans in "Note 3-Loans and Commitments."
Debt
Table 7 displays the composition of our debt outstanding, by debt product type, by interest rate type and by original contractual maturity, as of November 30, 2014 and May 31, 2014.

Table 7: Total Debt Outstanding

| (Dollars in thousands) | $\begin{aligned} & \text { November 30, } \\ & 2014 \end{aligned}$ |  | May 31, 2014 |  | Increase/ (Decrease) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Commercial paper sold through dealers, net of discounts | \$2,040,851 |  | \$ 1,973,557 |  | \$67,294 |
| Commercial paper sold directly to members, at par | 720,176 |  | 838,074 |  | (117,898 |
| Commercial paper sold directly to non-members, at par | 21,371 |  | 20,315 |  | 1,056 |
| Select notes | 634,851 |  | 548,610 |  | 86,241 |
| Daily liquidity fund notes | 586,592 |  | 486,501 |  | 100,091 |
| Bank bid notes | - |  | 20,000 |  | (20,000 |
| Collateral trust bonds | 6,278,739 |  | 5,980,214 |  | 298,525 |
| Guaranteed Underwriter Program notes payable | 4,291,500 |  | 4,299,000 |  | (7,500 |
| Farmer Mac notes payable | 1,527,643 |  | 1,667,505 |  | (139,862 |
| Other notes payable | 52,611 |  | 52,535 |  | 76 |
| Medium-term notes | 2,904,992 |  | 2,726,303 |  | 178,689 |
| Subordinated deferrable debt | 400,000 |  | 400,000 |  | - |
| Membership certificates | 644,881 |  | 644,944 |  | (63 |
| Loan and guarantee certificates | 667,589 |  | 699,724 |  | (32,135 |
| Member capital securities | 238,370 |  | 267,560 |  | (29,190 |
| Total debt outstanding | \$21,010,166 |  | \$20,624,842 |  | \$385,324 |
| Interest rate type: |  |  |  |  |  |
| Fixed-rate debt ${ }^{(1)}$ | 80 | \% | 79 | \% |  |
| Variable-rate debt ${ }^{(2)}$ | 20 |  | 21 |  |  |
| Total | 100 | \% | 100 | \% |  |
| Maturity classification: |  |  |  |  |  |
| Long-term debt | 80 | \% | 80 | \% |  |
| Short-term debt | 20 |  | 20 |  |  |
| Total | 100 | \% | 100 | \% |  |

[^2]
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${ }^{(2)}$ The rate on commercial paper notes does not change once the note has been issued. However, the rates on new commercial paper notes change daily, and commercial paper notes generally have maturities of less than 90 days. Therefore, commercial paper notes are classified as variable-rate debt. Also includes fixed-rate debt that has been swapped to a variable rate net of any variable-rate debt that has been swapped to a fixed rate.

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Total debt outstanding was $\$ 21,010$ million as of November 30, 2014, an increase of $\$ 385$ million, or $2 \%$, from May 31, 2014. The increase was primarily due to the issuance of $\$ 300$ million aggregate principal amount of $2.30 \%$ collateral trust bonds, due 2019, in November 2014. Other significant funding-related developments are discussed below.

During fiscal year 2014, the CFC Board of Directors authorized management to execute the call of the outstanding $\$ 387$ million of $7.5 \%$ member capital securities and offer members the option to invest in a new series of member capital securities that currently have a $5 \%$ interest rate. As of November 30, 2014, $\$ 349$ million of the $7.5 \%$ member capital securities had been redeemed, and we had outstanding call notices, with call dates through January 2015, for the remaining $\$ 38$ million. Members had invested $\$ 208$ million in the new series of member capital securities as of November 30, 2014.

On October 28, 2014, we amended the $\$ 1,123$ million four-year and $\$ 1,068$ million five-year revolving credit agreements to (i) increase the total aggregate amount of commitments under the four-year and five-year agreements to $\$ 1,720$ million and $\$ 1,700$ million, respectively, and (ii) extend the commitment termination date for the five-year agreement to October 28, 2019. Also, on October 28, 2014, we terminated the existing $\$ 1,036$ million three-year revolving credit agreement, which was scheduled to mature on October 28, 2016.

On October 31, 2014, we provided notice to investors of our intent to redeem the $\$ 400$ million, $1.00 \%$ collateral trust bonds, due 2015 on December 1, 2014. We redeemed these bonds at a price equal to the greater of (1) $100 \%$ of the principal amount that was being redeemed or (2) the sum of the present values of the remaining scheduled payments of the principal and interest (other than accrued interest) on the bonds being redeemed, discounted to the redemption date on a semi-annual basis (assuming a 360 -day year consisting of twelve 30 -day months) at the Treasury Rate, as determined on November 25, 2014, plus 15 basis points for the bonds, plus in each case accrued interest to the redemption date. The redemption was effected for liability management purposes. The principal and accrued interest at the redemption date were paid with a combination of cash on hand and other sources of liquidity, including issuance of long-term debt.

On November 18, 2014, we closed the $\$ 250$ million Series H facility from the FFB guaranteed by RUS as part of the Guaranteed Underwriter Program. Under the Series H facility, we are able to borrow any time before October 15, 2017, with each advance having a final maturity not longer than 20 years from the advance date. This commitment increases total funding available to us under committed loan facilities from the FFB to $\$ 874$ million.

On December 23, 2014, we issued $\$ 200$ million of notes payable under our existing Farmer Mac note purchase agreement. On January 8, 2015, the commitment amount under our note purchase agreement with Farmer Mac was increased by $\$ 600$ million to $\$ 4,500$ million, and the draw period was extended to January 11, 2020 from January 11, 2016.

## Equity

Total equity decreased by $\$ 52$ million in the six months ended November 30,2014 , to $\$ 919$ million as of November 30, 2014. The decrease in total equity was primarily attributable to CFC's Board of Directors July 2014 authorization of patronage capital retirement of $\$ 40$ million and to our net loss of $\$ 15$ million for the six months ended November 30, 2014.

In May 2014, the CFC Board of Directors authorized the allocation of $\$ 1$ million of fiscal year 2014 net earnings to the Cooperative Educational Fund. In July 2014, the CFC Board of Directors authorized additional allocations of fiscal year 2014 net earnings that included $\$ 75$ million to the members' capital reserve and $\$ 79$ million to members in the form of patronage capital. In July 2014, the CFC Board of Directors also authorized the retirement of allocated net
earnings totaling $\$ 40$ million, which represented $50 \%$ of the fiscal year 2014 allocation. This amount was returned to members in cash in September 2014.

Future allocations and retirements of net earnings may be made annually as determined by CFC's Board of Directors taking into consideration CFC's financial condition. The CFC Board of Directors has the authority to change the current practice for allocating and retiring net earnings at any time, subject to applicable cooperative law.

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Debt Ratio Analysis

Leverage Ratio
The leverage ratio is calculated by dividing the sum of total liabilities and guarantees outstanding by total equity. The leverage ratio was 24.64 -to-1 as of November 30, 2014, an increase from 23.01-to-1 as of May 31, 2014. The increase in the leverage ratio was due to the increase of $\$ 392$ million in total liabilities and the decrease of $\$ 52$ million in total equity, partly offset by the decrease of $\$ 83$ million in total guarantees.

For covenant compliance on our revolving credit agreements and for internal management purposes, the leverage ratio calculation is adjusted to exclude derivative liabilities, debt used to fund loans guaranteed by RUS, subordinated deferrable debt and subordinated certificates from liabilities; uses members' equity rather than total equity; and adds subordinated deferrable debt and subordinated certificates to calculate adjusted equity.

The adjusted leverage ratio was 6.42 -to-1 and 6.24-to-1 as of November 30, 2014 and May 31, 2014, respectively. The increase in the adjusted leverage ratio was due to the increase of $\$ 461$ million in adjusted liabilities and the decrease of $\$ 30$ million in adjusted equity, partially offset by the decrease of $\$ 83$ million in guarantees as discussed under "Off-Balance Sheet Arrangements." See "Non-GAAP Financial Measures" for further explanation and a reconciliation of the adjustments we make to our leverage ratio calculation to derive the adjusted leverage ratio.

## Debt-to-Equity Ratio

The debt-to-equity ratio is calculated by dividing the sum of total liabilities outstanding by total equity. The debt-to-equity ratio was 23.57 -to-1 as of November 30, 2014, an increase from 21.91-to-1 as of May 31, 2014. The increase in the debt-to-equity ratio is due to the increase of $\$ 392$ million in total liabilities and the decrease of $\$ 52$ million in total equity.

We adjust the components of the debt-to-equity ratio to calculate an adjusted debt-to-equity ratio that is used for internal management analysis purposes. The adjusted debt-to-equity ratio was 6.11 -to-1 and 5.90 -to-1 as of November 30, 2014 and May 31, 2014, respectively. The increase in the adjusted debt-to-equity ratio was due to the increase of $\$ 461$ million in adjusted liabilities and the decrease of $\$ 30$ million in adjusted equity. See "Non-GAAP Financial Measures" for further explanation and a reconciliation of the adjustments made to the debt-to-equity ratio calculation to derive the adjusted debt-to-equity ratio.
OFF-BALANCE SHEET ARRANGEMENTS

In the ordinary course of business, we engage in financial transactions that are not recorded on our condensed consolidated balance sheets, or may be recorded on our condensed consolidated balance sheets in amounts that are different from the full contract or notional amount of the transaction. Our off-balance sheet arrangements primarily consist of guarantees and commitments. These transactions are designed to meet the financial needs of our members, manage our credit, market or liquidity risks, and/or diversify our funding sources.

## Guarantees

Guarantees are contracts that contingently require us to make payments to a guaranteed party based on an event or a change in an underlying asset, liability, rate or index. Guarantees are generally in the form of letters of credit, recourse obligations and other types of financial guarantee arrangements.

Table 8 shows our guarantees outstanding, by guarantee type and by company, as of November 30, 2014 and May 31, 2014.

Table 8: Guarantees Outstanding
(Dollars in thousands)

| November 30, <br> 2014 | May 31, 2014 | Increase/ <br> (Decrease) |  |
| :--- | :--- | :--- | :--- |
| $\$ 498,995$ | $\$ 518,360$ | $\$(19,365$ |  |
| 367,837 | 431,064 | $(63,227$ | $)$ |
| 114,596 | 115,398 | $(802$ | $)$ |
| $\$ 981,428$ | $\$ 1,064,822$ | $\$(83,394$ | $)$ |
|  |  |  |  |
| $\$ 919,125$ | $\$ 997,187$ | $\$(78,062$ | $)$ |
| 2,465 | 2,304 | 161 |  |
| 59,838 | 65,331 | $(5,493$ | $)$ |
| $\$ 981,428$ | $\$ 1,064,822$ | $\$(83,394$ | $)$ |

In addition to the letters of credit displayed in the above table, we had master letter of credit facilities in place as of November 30, 2014, under which we may be required to issue up to an additional $\$ 121$ million in letters of credit to third parties for the benefit of our members. All of our master letter of credit facilities as of November 30, 2014 were subject to material adverse change clauses at the time of issuance. Also, we had hybrid letter of credit facilities, which represent commitments that may be used, at a borrower's option, for the issuance of letters of credit or line of credit loan advances totaling $\$ 1,741$ million as of November 30, 2014. This amount is included in the unadvanced loan commitments for line of credit loans total reported in "Note 3-Loans and Commitments." Hybrid letter of credit facilities subject to material adverse change clauses at the time of issuance totaled $\$ 415$ million as of November 30, 2014. Prior to issuing a letter of credit under these facilities, we would confirm that there has been no material adverse change in the business or condition, financial or otherwise, of the borrower since the time the loan was approved and confirm that the borrower is currently in compliance with the letter of credit terms and conditions. The remaining commitment under hybrid letter of credit facilities of $\$ 1,326$ million as of November 30, 2014 may be used for the issuance of letters of credit as long as the borrower is in compliance with the terms and conditions of the facility.

We were the liquidity provider for variable-rate, tax-exempt bonds, issued for our member cooperatives, totaling \$503 million as of November 30, 2014. As liquidity provider on these tax-exempt bonds, we are required to purchase bonds that are tendered or put by investors. Investors provide notice to the remarketing agent that they will tender or put a certain amount of bonds at the next interest rate reset date. If the remarketing agent is unable to sell such bonds to other investors by the next interest rate reset date, we have unconditionally agreed to purchase such bonds. Our obligation as liquidity provider is in the form of a letter of credit on $\$ 76$ million of the tax-exempt bonds, which is included in the letters of credit amount in Table 8 . We were not required to perform as liquidity provider pursuant to these obligations during the six months ended November 30, 2014. In addition to being a liquidity provider, we also provided a guarantee for payment of all principal and interest amounts on $\$ 427$ million of these bonds as of November 30, 2014, which is included in long-term tax-exempt bond guarantees in Table 8.

Of our total guarantee amounts, $59 \%$ and $61 \%$ as of November 30, 2014 and May 31, 2014, respectively, were secured by a mortgage lien on substantially all of the system's assets and future revenue of the borrowers.

The decrease in total guarantees during the six months ended November 30, 2014 was primarily due to a decrease in the total amount of letters of credit outstanding. We recorded a guarantee liability of $\$ 21$ million and $\$ 22$ million as of November 30, 2014 and May 31, 2014, respectively, related to the contingent and non-contingent exposures for guarantee and liquidity obligations associated with our members' debt.

Table 9 summarizes our off-balance sheet obligations as of November 30, 2014, and maturity of amounts during each of the next five fiscal years and thereafter.

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Table 9: Maturities of Guarantee Obligations
Outstanding Maturities of Guaranteed Obligations
(Dollars in thousands) Balance 2015 2016 2017 2018 2019 Thereafter

| Guarantees ${ }^{(1)}$ | $\$ 981,428$ | $\$ 195,536$ | $\$ 127,434$ | $\$ 21,180$ | $\$ 139,286$ | $\$ 16,430$ | $\$ 481,562$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

${ }^{(1)}$ We were the guarantor and liquidity provider for $\$ 427$ million of tax-exempt bonds, which were issued for our member cooperatives, as of November 30, 2014. In addition, we had issued letters of credit to provide standby liquidity for an additional $\$ 76$ million of tax-exempt bonds as of November 30, 2014.

See "Note 10-Guarantees" for additional information.
Unadvanced Loan Commitments
Unadvanced commitments represent approved and executed loan contracts for which funds have not been advanced to borrowers. The table below displays the amount of unadvanced loan commitments, which consist of line of credit and long-term loan commitments, as of November 30, 2014 and May 31, 2014. Our line of credit commitments include both contracts that are not subject to material adverse change clauses and contracts that are subject to material adverse change clauses.

Table 10: Unadvanced Loan Commitments
(Dollars in thousands)
Line of credit commitments:
Not conditional ${ }^{(1)}$
Conditional ${ }^{(2)}$
Total line of credit unadvanced commitments
Total long-term loan unadvanced commitments Total

| November 30, <br> 2014 | \% of Total | May 31, 2014 | \% of Total |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |
| $\$ 2,591,131$ | 19 | $\%$ | $\$ 2,274,388$ | 16 | $\%$ |
| $6,787,172$ | 49 |  | $6,927,417$ | 50 |  |
| $9,378,303$ | 68 |  | $9,201,805$ | 66 |  |
| $4,484,225$ | 32 |  | $4,710,273$ | 34 |  |
| $\$ 13,862,528$ | 100 | $\%$ | $\$ 13,912,078$ | 100 | $\%$ |

[^3]For contracts not subject to a material adverse change clause, we are generally required to advance amounts on the committed facilities as long as the borrower is in compliance with the terms and conditions of the facility. As displayed in Table 10, unadvanced line of credit commitments not subject to material adverse change clauses at the time of each advance totaled $\$ 2,591$ million and $\$ 2,274$ million as of November 30, 2014 and May 31, 2014, respectively. We record a liability for credit losses on our condensed consolidated balance sheets for unadvanced commitments related to facilities that are not subject to a material adverse change clause because we do not consider these commitments to be conditional. Table 11 summarizes the available balance under committed lines of credit that are not subject to a material adverse change clause as of November 30, 2014, and the maturity of amounts during each of the next five fiscal years and thereafter.

Table 11: Notional Maturities of Unconditional Committed Lines of Credit

|  | Available | Notional Maturities of Unconditional Committed Lines of Credit |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| (Dollars in thousands) | Balance | 2015 | 2016 | 2017 | 2018 | 2019 | Thereafter |
| Committed lines of credit | $\$ 2,591,131$ | $\$ 17,885$ | $\$ 61,000$ | $\$ 424,723$ | $\$ 792,305$ | $\$ 1,119,618$ | $\$ 175,600$ |

For contracts subject to a material adverse change clause, the advance of additional amounts is conditional. Prior to making an advance on these facilities, we confirm that there have been no material adverse changes in the business or

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condition, financial or otherwise, of the borrower since the time the loan was approved and confirm that the borrower is currently in compliance with the loan terms and conditions. The substantial majority of our line of credit commitments relate to contracts that include material adverse change clauses. Unadvanced commitments that are subject to a material adverse change clause are classified as contingent liabilities. We do not record a reserve for credit losses on our condensed consolidated balance

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sheets for these commitments, nor do we include them in our off-balance sheet guarantee amounts in Table 8 above because we consider them to be conditional.

Line of credit commitments are generally revolving facilities for periods that do not exceed five years. Historically, borrowers have not fully drawn the commitment amounts for line of credit loans, and the utilization rates have been low regardless of whether a material adverse change clause provision exists at the time of advance. Also, borrowers historically have not fully drawn the commitments related to long-term loans, and borrowings have generally been advanced in multiple transactions over an extended period of time. We believe these conditions are likely to continue because of the nature of the business of our electric cooperative borrowers and the terms of our loan commitments. See "MD\&A-Contingent Off-Balance Sheet Obligations" in our 2014 Form 10-K for additional information. CREDIT RISK

Credit risk is the risk of loss associated with a borrower or counterparty's failure to meet its obligations in accordance with agreed upon terms. Our loan portfolio, which represents the largest component of assets on our balance sheet, accounts for the substantial majority of our credit risk exposure. We also engage in certain non-lending activities that may give rise to credit and counterparty settlement risk, including the purchase of investment securities and entering into derivative transactions to manage our interest rate risk.

## Credit Risk Profile—Loan and Guarantee Portfolio

Below we provide information on the credit risk profile of our loan and guarantee portfolio, including loan concentration, security provisions, pledged loans and loans on deposit, nonperforming and restructured loans, and allowance for loan losses.

## Loan Concentration

The service territories of our electric and telecommunications members are located throughout the United States and its territories, including 49 states, the District of Columbia, American Samoa and Guam. Loans outstanding to members in any one state or territory did not exceed $16 \%$ and $15 \%$, respectively, of total loans outstanding as of November 30, 2014 and May 31, 2014.

The total outstanding exposure to a single borrower or controlled group represented approximately $2 \%$ of total loans and guarantees outstanding as of November 30, 2014 and May 31, 2014. The 10 largest borrowers as of November 30, 2014 consisted of three distribution systems and seven power supply systems. The 10 largest borrowers as of May 31, 2014 consisted of four distribution systems and six power supply systems. Table 12 displays the outstanding exposure of the 10 largest borrowers, by exposure type and by company, as of November 30, 2014 and May 31, 2014.

Table 12: Credit Exposure to 10 Largest Borrowers

| (Dollars in thousands) | November 30, 2014 |  |  | May 31, 2014 |  |  | Increase/ (Decrease) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Amount | \% of Total |  | Amount |  |  |  |
| By exposure type: |  |  |  |  |  |  |  |
| Loans | \$3,244,078 | 15 | \% | \$3,155,857 | 14 | \% | \$88,221 |
| Guarantees | 360,932 | 2 |  | 363,325 | 2 |  | (2,393 |
| Total credit exposure to 10 largest borrowers | \$3,605,010 | 17 | \% | \$3,519,182 | 16 | \% | \$85,828 |
| By company: |  |  |  |  |  |  |  |
| CFC | \$3,479,267 | 16 | \% | \$3,378,698 | 15 | \% | \$ 100,569 |
| NCSC | 125,743 | 1 |  | 140,484 | 1 |  | (14,741 ) |

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## Security Provisions

Except when providing line of credit loans, we generally lend to our members on a senior secured basis. Long-term loans are generally secured on parity with other secured lenders (primarily RUS), if any, by all assets and revenue of the borrower with exceptions typical in utility mortgages. Line of credit loans are generally unsecured. Guarantee reimbursement obligations are generally secured on parity with other secured creditors by substantially all assets and revenue of the borrower or by the underlying financed asset. In addition to the collateral pledged to secure our loans, borrowers are also required to set rates charged to customers to achieve certain financial ratios. Unsecured loans represented $\$ 2,064$ million, or $10 \%$, and $\$ 2,118$ million, or $10 \%$, of total loans outstanding as of November 30, 2014 and May 31, 2014, respectively.

Pledged Loans and Loans on Deposit

Table 13 summarizes our secured debt or debt requiring collateral on deposit, the excess collateral pledged and our unencumbered loans as of November 30, 2014 and May 31, 2014.

Table 13: Unencumbered Loans
(Dollars in thousands) November 30, 2014 May 31, 2014
Total loans to members
Less: Total secured debt or debt requiring collateral on deposit
Excess collateral pledged or on deposit ${ }^{(1)}$
Unencumbered loans
Unencumbered loans as a percentage of total loans

| November 30, 2014 | May 31, 2014 |  |
| :--- | :--- | :--- |
| $\$ 20,773,280$ | $\$ 20,466,925$ |  |
| $(12,390,084$ | $)$ | $(12,242,446$ |
| $(1,630,589$ | $)$ | $(1,917,184$ |
| $\$ 6,752,607$ |  | $\$ 6,307,295$ |
| 33 | $\%$ | 31 |

${ }^{(1)}$ Excludes cash collateral pledged to secure debt. Unless and until there is an event of default, we can withdraw excess collateral as long as there is $100 \%$ coverage of the secured debt. If there is an event of default under most of our indentures, we can only withdraw this excess collateral if we substitute cash of equal value.

## Nonperforming and Restructured Loans

Table 14 summarizes nonperforming and restructured loans as a percentage of total loans and total loans and guarantees outstanding as of November 30, 2014 and May 31, 2014.

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Table 14: Nonperforming and Restructured Loans
(Dollars in thousands)
Nonperforming loans ${ }^{(1)}$
Percent of loans outstanding
Percent of loans and guarantees outstanding
Restructured loans
Percent of loans outstanding
Percent of loans and guarantees outstanding

| November 30, 2014 | May 31, 2014 |  |  |
| :--- | :--- | :--- | :--- |
| $\$ 1,695$ |  | $\$ 2,095$ |  |
| 0.01 | $\%$ | 0.01 | $\%$ |
| 0.01 |  | 0.01 |  |
|  |  | $\$ 7,584$ |  |
| $\$ 7,542$ | $\%$ | 0.04 |  |
| 0.04 |  | 0.04 |  |
| 0.03 |  | $\$ 9,679$ |  |
|  | $\%$ | 0.05 |  |
| $\$ 9,237$ |  | 0.05 |  |
| 0.05 |  | $\$ 9,679$ |  |
| 0.04 | $\%$ | 0.05 |  |
|  |  | 0.05 |  |
| $\$ 9,237$ |  |  |  |
| 0.05 |  |  |  |

${ }^{(1)}$ All loans classified as nonperforming were on nonaccrual status.

A borrower is classified as nonperforming when any one of the following criteria is met:
principal or interest payments on any loan to the borrower are past due 90 days or more;
as a result of court proceedings, repayment on the original terms is not anticipated; or
for some other reason, management does not expect the timely repayment of principal and interest.
Once a borrower is classified as nonperforming, we generally place the loan on nonaccrual status and reverse all accrued and unpaid interest back to the date of the last payment. Foregone interest on nonperforming and restructured loans totaled $\$ 315$ thousand for the six months ended November 30, 2014.

Nonperforming loans totaled $\$ 2$ million, or $0.01 \%$, of loans outstanding as of both November 30, 2014 and May 31, 2014. One borrower with a nonperforming loan is currently seeking a buyer for its system, as it is not anticipated that the borrower will generate sufficient cash flows to repay its loans without the proceeds from the sale of the business. We currently anticipate that even with the sale of the business, there will not be sufficient funds to repay the full amount owed to us. We have approval rights with respect to the sale of this company.

Restructured loans totaled $\$ 8$ million, or $0.04 \%$, of loans outstanding as of both November 30, 2014 and May 31, 2014. Each of our restructured loans was performing in accordance with the restructured terms as of November 30, 2014. Interest income recognized on restructured loans was less than $\$ 1$ million during the three and six months ended November 30, 2014, and also less than $\$ 1$ million during the same prior-year periods. We believe our allowance for loan losses related to nonperforming and restructured loans was adequate to cover our estimated loss exposure as of November 30, 2014 and May 31, 2014.

Allowance for Loan Losses

Table 15 summarizes activity in the allowance for loan losses for the three and six months ended November 30, 2014 and a comparison of the allowance by company as of November 30, 2014 and May 31, 2014.

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Table 15: Allowance for Loan Losses
(Dollars in thousands)
Beginning balance
Provision for loan losses
Net recoveries
Ending balance

| Three Months Ended | Six Months Ended |
| :--- | :--- |
| November 30, 2014 | November 30, 2014 |
| $\$ 49,711$ | $\$ 56,429$ |
| 992 | $(5,779$ |
| 54 | 107 |
| $\$ 50,757$ | $\$ 50,757$ |

November 30, 2014
May 31, 2014
Allowance for loan losses by company:
CFC
\$41,185
\$45,600
RTFC
NCSC
Total
5,027
4,282
4,545 6,547
$\$ 50,757 \quad \$ 56,429$

Allowance coverage ratios:
As a percentage of total loans outstanding $\quad 0.24 \quad \% \quad 0.28 \quad \%$
As a percentage of total nonperforming loans outstanding
As a percentage of total restructured loans outstanding
As a percentage of total loans on non-accrual
2,994.51
2,693.51
672.99
744.05
549.50
583.00

Our allowance for loan losses decreased by $\$ 6$ million during the six months ended November 30, 2014 to $\$ 51$ million as of November 30, 2014. The decrease reflected modest improvement in the credit quality and overall credit risk profile of our loan portfolio and relatively flat loan balances. Specifically, certain loans experienced favorable migration through our internal risk rating process. See "Note 3-Loans and Commitments" for additional information on our allowance for loan loss, including the specific allowance attributable to nonperforming and restructured loans individually evaluated for impairment and the general allowance attributable to loans collectively evaluated for impairment.

## Counterparty Risk

We are exposed to counterparty risk related to the performance of the parties with which we entered into financial transactions, primarily for derivative instruments and cash and time deposits that we have with various financial institutions. To mitigate this risk, we only enter into these transactions with financial institutions with investment-grade ratings. Our cash and time deposits with financial institutions have an original maturity of less than one year.

Our derivative counterparties must be participants in one of our revolving credit agreements. We manage our derivate credit exposure through master netting arrangements and by diversifying our derivative transactions with multiple counterparties.
Our largest single counterparty exposure, based on the outstanding notional amount, represented approximately $20 \%$ and $21 \%$ of our total outstanding notional amount of derivatives as of November 30, 2014 and May 31, 2014, respectively. Our derivative counterparties had credit ratings ranging from Aa 2 to Baa 2 by Moody's and from AA- to $\mathrm{BBB}+$ by $\mathrm{S} \& \mathrm{P}$. Based on the fair value, excluding the credit valuation adjustment, of our derivative instruments as of November 30, 2014, there were two counterparties that would be required to make a payment to us of $\$ 4$ million assuming all of our derivative instruments were terminated as of that date. One counterparty accounted for the substantial majority, $94 \%$, of the $\$ 4$ million total exposure to us as of November 30, 2014.

Rating Triggers for Derivatives

The majority of our interest rate swap agreements have credit risk-related contingent features referred to as rating triggers. Under these rating triggers, if the credit rating for either counterparty falls to the level specified in the agreement, the other counterparty may, but is not obligated to, terminate the agreement. As noted above under "Executive Summary," on

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December 12, 2014, S\&P announced a downgrade on our senior secured debt from A+ to A based on the ratings criteria titled "Issue Credit Rating Methodology for Nonbank Financial Institutions and Nonbank Financial Service Companies" and a change in our issuer credit rating outlook from "stable" to "negative" based its revised ratings criteria titled "Nonbank Financial Institutions Rating Methodology." The change did not result in a rating trigger event under the provisions of our derivative transaction agreements.

Table 16 displays the notional amounts of our derivative contracts with rating triggers as of November 30, 2014 and the payments that would be required if the contracts were terminated as of that date because of a downgrade of our senior unsecured credit ratings to or below Baa1/BBB+ or Baa3/BBB- by Moody's or S\&P, respectively. In calculating the payment amounts that would be required upon termination of the derivative contracts, we assumed that the amounts for each counterparty would be netted in accordance with the provisions of the master netting agreements for each counterparty. The net payment amounts are based on the fair value of the underlying derivative instrument, excluding the credit risk valuation adjustment, plus any unpaid accrued interest amounts.

Table 16: Rating Triggers for Derivatives
$\left.\begin{array}{llllll}\text { (Dollars in thousands) } & \begin{array}{l}\text { Notional } \\ \text { Amount }\end{array} & \begin{array}{l}\text { Payment } \\ \text { Required by } \\ \text { CFC }\end{array} & \begin{array}{l}\text { Payment Due } \\ \text { to CFC }\end{array} & \begin{array}{l}\text { Net } \\ \text { (Payable)/Due }\end{array} \\ \begin{array}{lllll}\text { Mutual rating trigger if ratings: } & \$ 4,431,017 & \$(174,883 & ) & \$ 210\end{array} & \$(174,673,\end{array}\right)$

The aggregate amount, including the credit risk valuation adjustment, of all interest rate swaps with rating triggers that were in a net liability position was $\$ 198$ million as of November 30, 2014, while the aggregate amount, including the credit risk valuation adjustment, of all interest rate swaps with rating triggers that were in a net asset position was $\$ 2$ million as of November 30, 2014. The credit ratings for two counterparties were below the rating trigger level in the interest swap contracts with these counterparties as of November 30, 2014. As a result, we have the option to terminate all interest rate swaps with these counterparties. The interest rate swap contracts with these counterparties had an notional outstanding amount of $\$ 639$ million as of November 30, 2014. If we elected to terminate the interest rate swaps with these counterparties, the contracts would be settled based on the fair value at the date of termination. We estimate that we would have to make a payment of approximately $\$ 13$ million as of November 30, 2014 to settle the interest rate swaps with these counterparties. Because we use our interest rate swaps as part of our matched funding strategy, we generally do not terminate such agreements early. We have not provided notice to either counterparty that we intend to terminate the interest rate swaps. We will continue to evaluate the overall credit worthiness of these counterparties and monitor our overall matched funding position.

For additional information about the risks related to our business, see "Item 1A. Risk Factors" in our 2014 Form 10-K. LIQUIDITY RISK

We face liquidity risk in funding our loan portfolio and refinancing our maturing obligations. Our Asset Liability Committee monitors liquidity risk by establishing and monitoring liquidity targets, as well as strategies and tactics to meet those targets, and ensuring that sufficient liquidity is available for unanticipated contingencies. We manage our rollover risk by maintaining liquidity reserves. We had liquidity reserve access totaling $\$ 7,672$ million as of November 30, 2014. Our liquidity reserve access consisted of cash and time deposits of $\$ 1,008$ million, committed revolving credit agreements of $\$ 3,418$ million, committed loan facilities from the FFB of $\$ 874$ million, and, subject to market conditions, a revolving note purchase agreement with Farmer Mac of up to $\$ 2,372$ million.

As of November 30, 2014, we had commercial paper, select notes and daily liquidity fund notes, including member investments, of $\$ 4,004$ million scheduled to mature during the next 12 months. We expect to continue to maintain member investments in commercial paper, select notes and daily liquidity fund notes at recent levels of approximately \$1,924 million.

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Dealer commercial paper and bank bid notes increased to $\$ 2,041$ million as of November 30, 2014, from $\$ 1,994$ million as of May 31, 2014. As discussed above in "Executive Summary," in revising our ratings outlook from "stable" to "negative," S\&P indicated that our significant use of short-term debt was a factor its revision of our ratings outlook. As part of our strategy to help restore our ratings outlook by S\&P to stable, we intend to manage our short-term wholesale funding risk by reducing our non-member outstanding short-term debt, which primarily consists of dealer commercial paper, to an approximate range between $\$ 1,000$ million and $\$ 1,250$ million in the third quarter of fiscal year 2015 and maintain our dealer commercial paper within that range for the foreseeable future. In order to access the commercial paper markets at attractive rates, we believe we need to maintain our current commercial paper credit ratings of P1 by Moody's and A1 by S\&P.

We use our bank lines of credit primarily as backup liquidity for dealer and member commercial paper. We had $\$ 3,418$ million in available lines of credit with various financial institutions as of November 30, 2014. We have been and expect to continue to be in compliance with the covenants under our revolving credit agreements; therefore, we could draw on these facilities to repay dealer or member commercial paper that cannot be rolled over in the event of market disruptions.

Long-term debt maturing in the next 12 months totaled $\$ 1,941$ million as of November 30, 2014. In addition to our access to the dealer and member commercial paper markets as discussed above, we believe we will be able to refinance these maturing obligations through the capital markets and private debt issuances as discussed in further detail under "Sources of Liquidity."

As discussed in further detail under "Off-Balance Sheet Arrangements," as of November 30, 2014, we were the liquidity provider for a total of $\$ 503$ million of variable-rate tax-exempt bonds issued for our member cooperatives. During the six months ended November 30, 2014, we were not required to perform as liquidity provider pursuant to these obligations.

As of November 30, 2014, we had a total of $\$ 368$ million of letters of credit outstanding for the benefit of our members. That total includes $\$ 76$ million for the purpose of providing liquidity for pollution control bonds. The remaining $\$ 292$ million represents obligations for which we may be required to advance funds based on various trigger events included in the letters of credit. If we are required to advance funds, the member is obligated to pay such amounts to CFC.

We expect that our current sources of liquidity, coupled with our cash on hand of $\$ 513$ million and time deposits of $\$ 495$ million as of November 30, 2014, will allow us to meet our obligations and to fund our operations over the next 12 to 18 months.

## Liquidity and Capital Resources Profile

The following section discusses our expected sources and uses of liquidity.

## Projected Near-Term Sources and Uses of Liquidity

Table 17 shows the projected sources and uses of cash by quarter through the quarter ending May 31, 2016. In analyzing our projected liquidity position, we track key items identified in the table below. The long-term debt maturities represent the scheduled maturities of our outstanding term debt for the period presented. The long-term loan advances represent our current best estimate of the member demand for our loans, the amount and the timing of which are subject to change. The long-term loan amortization and repayments represent the scheduled long-term loan amortization for the outstanding loans as of November 30, 2014, as well as our current estimate for the repayment of long-term loans. The estimate of the amount and timing of long-term loan repayments is subject to change. We
assumed the issuance of commercial paper, medium-term notes and other long-term debt, including collateral trust bonds and private placement of term debt, to maintain matched funding within our loan portfolio and to allow our revolving lines of credit to provide backup liquidity for our outstanding commercial paper. Commercial paper repayments in the table below do not represent scheduled maturities but rather the assumed use of excess cash to pay down the commercial paper balance. As displayed in Table 17, we expect that estimated long-term loan advances over the next six quarters of $\$ 2,470$ million will exceed expected long-term loan repayments of $\$ 1,795$ million by $\$ 675$ million.

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Table 17: Projected Sources and Uses of Liquidity ${ }^{(1)}$

${ }^{(1)}$ The dates presented are intended to reflect the end of each quarterly period through the quarter ending May 31, 2016.
${ }^{(2)}$ Cumulative excess sources over uses of liquidity includes cash and time deposits.
The information presented above in Table 17 represents our best estimate of our funding requirements and how we expect to manage those requirements through May 31, 2016. Our estimates assume that the balance of our time deposit investments will remain consistent with current levels over the next six quarters. We expect that these estimates will change quarterly based on the factors described above.

## Sources of Liquidity

Capital Market Debt Issuance
As a well-known seasoned issuer, we have the following effective shelf registration statements on file with the SEC for the issuance of debt:
unlimited amount of collateral trust bonds until September 2016;
unlimited amount of senior and subordinated debt securities, including medium-term notes, member capital securities and subordinated deferrable debt, until November 2017; and
daily liquidity fund notes for a total of $\$ 20,000$ million with a $\$ 3,000$ million limitation on the aggregate principal amount outstanding at any time until April 2016.

While we register member capital securities and the daily liquidity fund with the SEC, these securities are not available for sale to the general public. Medium-term notes are available for sale to both the general public and members.

Our bank lines of credit may be used for general corporate purposes; however, we use them primarily as backup liquidity for dealer and member commercial paper. Commercial paper issued through dealers totaled $\$ 2,041$ million and represented $10 \%$ of total debt outstanding as of November 30, 2014.

Private Debt Issuance
We have access to liquidity from private debt issuances through a note purchase agreement with Farmer Mac. Under the terms of our March 2011 note purchase agreement, we can borrow up to $\$ 3,900$ million at any time from the date

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of the agreement through January 11, 2016 and such date shall automatically extend on each anniversary date of the closing for an additional year, unless prior to any such anniversary date, Farmer Mac provides CFC with a notice that the draw period will not be extended beyond the remaining term. The agreement with Farmer Mac is a revolving credit facility that allows us to borrow, repay and re-borrow funds at any time through maturity or from time to time as market conditions permit. Each borrowing under a note purchase agreement is evidenced by a secured note setting forth the interest rate, maturity date and other related terms as we may negotiate with Farmer Mac at the time of each such borrowing. We may select a fixed rate or variable rate at the time of each advance with a maturity as determined in the applicable pricing agreement. In October 2014,

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we issued $\$ 80$ million under our note purchase agreement with the Farmer Mac. As of November 30, 2014, we had up to $\$ 2,372$ million available under this agreement, subject to market conditions for debt issued by Farmer Mac. Subsequent to November 30, 2014, we issued $\$ 200$ million in notes payable under the Farmer Mac note purchase agreement. On January 8, 2015, the commitment amount under our note purchase agreement with Farmer Mac was increased by $\$ 600$ million to $\$ 4,500$ million, and the draw period was extended by four years to January 11, 2020.

We also have access to unsecured notes payable under bond purchase agreements with the FFB and a bond guarantee agreement with RUS issued under the Guaranteed Underwriter Program, which supports the Rural Economic Development Loan and Grant program and provides guarantees to the FFB. On November 18, 2014, we closed on a commitment from RUS to guarantee a loan from the FFB for additional funding of $\$ 250$ million as part of the Guaranteed Underwriter Program with a 20 -year maturity repayment period for advances made through October 15, 2017. As of November 30, 2014, we had up to $\$ 874$ million available under committed loan facilities from the FFB as part of this program, of which a total of $\$ 124$ million is available for advance through October 15, 2015, a total of $\$ 500$ million is available for advance through October 15, 2016 and a total of $\$ 250$ million is available for advance through October 15, 2017.

## Member Loan Repayments

We expect long-term loan repayments from scheduled loan amortization and prepayments to be $\$ 1,232$ million over the next 12 months.

## Member Loan Interest Payments

During the six months ended November 30, 2014, interest income on the loan portfolio was $\$ 468$ million, representing an average rate of $4.57 \%$ compared with $4.68 \%$ for the six months ended November 30, 2013. For the past three fiscal years, interest income on the loan portfolio has averaged $\$ 944$ million. As of November 30, 2014, $91 \%$ of the total loans outstanding had a fixed rate of interest, and $9 \%$ of loans outstanding had a variable rate of interest.

## Bank Revolving Credit Agreements

As of November 30, 2014 and May 31, 2014, we had \$3,420 million and $\$ 3,226$ million, respectively, of commitments under revolving credit agreements. We had the ability to request up to $\$ 150$ million of letters of credit under each agreement in place as of November 30, 2014, which would then reduce the amount available under the facility. Our bank lines of credit may be used for general corporate purposes; however, we use them primarily as backup liquidity for dealer and member commercial paper.

Table 18 presents the total available and the outstanding letters of credit under our revolving credit agreements as of November 30, 2014 and May 31, 2014.

Table 18: Revolving Credit Agreements

|  | $\begin{array}{l}\text { Letters of Credit }\end{array}$ |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Outstanding |  |  |  |  |  |  |$]$

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Total $\quad \$ 3,418,109 \quad \$ 3,224,109 \quad \$ 1,891 \quad \$ 1,891$
${ }^{(1)}$ Facility fee determined by CFC's senior unsecured credit ratings based on the pricing schedules put in place at the inception of the related agreement.

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On October 28, 2014, we amended the $\$ 1,123$ million four-year and $\$ 1,068$ million five-year revolving credit agreements to increase the total aggregate amount of commitments under the four-year and five-year agreements to $\$ 1,720$ million and $\$ 1,700$ million, respectively, and to extend the commitment termination date for the five-year agreement to October 28, 2019. Also, on October 28, 2014, we terminated the existing $\$ 1,036$ million three-year revolving credit agreement which was scheduled to mature on October 28, 2016.

The revolving credit agreements do not contain a material adverse change clause or ratings triggers that limit the banks' obligations to fund under the terms of the agreements, but we must be in compliance with their other requirements to draw down on the facilities, including financial ratios. As shown below in Table 20, we were in compliance with all covenants and conditions under our revolving credit agreements and senior debt indentures as of November 30, 2014.

## Member Investments

Table 19 shows the components of our member investments included in total debt outstanding as of November 30, 2014 and May 31, 2014.

Table 19: Member Investments

|  | November 30, 2014 |  |  | May 31, 2014 |  | Increase/ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| (Dollars in thousands) | Amount | $\%$ of Total ${ }^{(1)}$ | Amount | $\%$ of Total ${ }^{(1)}$ | (Decrease) |  |
| Commercial paper | $\$ 720,176$ | 26 | $\%$ | $\$ 838,074$ | 30 | $\%$ |
| Select notes | 627,148 | 99 |  | 544,510 | 99 | 82,638 |
| Daily liquidity fund notes | 576,452 | 98 |  | 486,501 | 100 | 89,951 |
| Medium-term notes | 611,410 | 21 |  | 498,262 | 18 | 113,148 |
| Members' subordinated certificates | $1,550,840$ | 100 |  | $1,612,227$ | 100 | $(61,387$ |
| Total | $\$ 4,086,026$ |  |  | $\$ 3,979,574$ |  | $\$ 106,452$ |
|  |  |  |  |  |  |  |
| Percentage of total debt outstanding | 19 | $\%$ | 19 | $\%$ |  |  |

${ }^{(1)}$ Represents the percentage of each line item outstanding to our members.
Member investments averaged $\$ 4,134$ million outstanding over the last three years. We view member investments as a more stable source of funding than capital market issuances.

## Cash, Investments and Time Deposits

As of November 30, 2014, cash and time deposits totaled $\$ 1,008$ million. The interest rate earned on the time deposits provides an overall benefit to our net interest yield. The total represents an additional source of liquidity that is available to support our operations.

## Cash Flows from Operations

For the six months ended November 30, 2014, cash flows provided by operating activities were $\$ 103$ million compared with $\$ 95$ million for the prior-year period. Our cash flows from operating activities are driven primarily by a combination of cash flows from operations and the timing and amount of loan interest payments we received compared with interest payments we made on our debt.

Compliance with Debt Covenants

As of November 30, 2014, we were in compliance with all covenants and conditions under our revolving credit agreements and senior debt indentures. Table 20 represents our required and actual financial ratios under the revolving credit agreements at or for the periods ended November 30, 2014 and May 31, 2014.

Table 20: Financial Ratios under Revolving Credit Agreements

|  | Actual <br> November 30, <br> Requirement |  |  |
| :--- | :--- | :--- | :--- | May 31, 2014

${ }^{(1)}$ In addition to the adjustments made to the leverage ratio set forth under "Non-GAAP Financial Measures," senior debt excludes guarantees to member systems that have certain investment-grade ratings from Moody's and S\&P. The TIER and debt-to-equity calculations include the adjustments set forth under "Non-GAAP Financial Measures" and exclude the results of operations and other comprehensive income for CAH.
${ }^{(2)}$ We must meet this requirement to retire patronage capital.
The revolving credit agreements prohibit liens on loans to members except liens:
under our indentures,
related to taxes that are not delinquent or contested,
stemming from certain legal proceedings that are being contested in good faith,
created by CFC to secure guarantees by CFC of indebtedness, the interest on which is excludable from the gross income of the recipient for federal income tax purposes,
granted by any subsidiary to CFC, and
to secure other indebtedness of CFC of up to $\$ 7,500$ million plus an amount equal to the incremental increase in CFC's allocated Guaranteed Underwriter Program obligations, provided that the aggregate amount of such indebtedness may not exceed $\$ 10,000$ million. As of November 30, 2014, the amount of our secured indebtedness for purposes of this provision of all three revolving credit agreements was $\$ 5,837$ million.

The revolving credit agreements limit total investments in foreclosed assets held by Caribbean Asset Holdings ("CAH") to $\$ 275$ million without consent by the required banks. These investments did not exceed this limit as of November 30, 2014.

Table 21 summarizes our required and actual financial ratios as defined under our 1994 collateral trust bonds indenture and our medium-term notes indentures in the U.S. markets as of November 30, 2014 and May 31, 2014.

Table 21: Financial Ratios under Indentures

|  |  | Actual |  |
| :---: | :---: | :---: | :---: |
|  | Requirement | $\begin{aligned} & \text { November 30, } \\ & 2014 \end{aligned}$ | May 31, 2014 |
| Maximum ratio of adjusted senior debt to total equity ${ }^{(1)}$ | 20.00 | 7.14 | 6.74 |

[^4]We are required to pledge collateral equal to at least $100 \%$ of the outstanding balance of debt issued under our collateral trust bond indentures and note purchase agreements with Farmer Mac. In addition, we are required to

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maintain collateral on deposit equal to at least $100 \%$ of the outstanding balance of debt to the Federal Financing Bank under the Guaranteed Underwriter Program of the USDA, which supports the Rural Economic Development Loan and Grant program, for which distribution and power supply loans may be deposited. See "Note 3-Loans and Commitments-Pledging of Loans and Loans on Deposit" for additional information related to collateral.

Table 22 summarizes the amount of notes pledged or on deposit as collateral as a percentage of the related debt outstanding under the debt agreements noted above as of November 30, 2014 and May 31, 2014.

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Table 22: Collateral Pledged or on Deposit


[^5]Uses of Liquidity
Loan Advances
Loan advances are either from new loans approved to a borrower or from the unadvanced portion of loans previously approved. As of November 30, 2014, unadvanced loan commitments totaled $\$ 13,863$ million. Of that total, $\$ 2,591$ million represented unadvanced commitments related to line of credit loans that are not subject to a material adverse change clause at the time of each loan advance. As such, we would be required to advance amounts on these committed facilities as long as the borrower is in compliance with the terms and conditions of the loan. New advances under $30 \%$ of these committed line of credit loans would be advanced at rates determined by CFC based on our cost and, therefore, any increase in CFC's costs to obtain funding required to make the advance could be passed on to the borrower. The other $70 \%$ of committed line of credit loans represent loan syndications where the pricing is set at a spread over a market index as agreed upon by all of the participating banks and market conditions at the time of syndication. The remaining $\$ 11,272$ million of unadvanced loan commitments as of November 30, 2014 were generally subject to material adverse change clauses. Prior to making an advance on these facilities, we would confirm that there has been no material adverse change in the borrower's business or condition, financial or otherwise, since the time the loan was approved and confirm that the borrower is currently in compliance with loan terms and conditions. In some cases, the borrower's access to the full amount of the facility is further constrained by use of proceeds restrictions, imposition of borrower-specific restrictions or by additional conditions that must be met prior to advancing funds.

Since we generally do not charge a fee for the borrower to have an unadvanced amount on a loan facility that is subject to a material adverse change clause, our borrowers tend to request amounts in excess of their immediate estimated loan requirements. Historically. we have not experienced significant loan advances from the large amount of long-term unadvanced loan amounts that are subject to material adverse change clauses at the time of the loan advance. We have a very low historical average utilization rate on all our line of credit facilities, including committed line of credit facilities. Unadvanced commitments related to line of credit loans are typically revolving facilities for periods not to exceed five years. Long-term unadvanced commitments generally expire five years from the date of the loan agreement. These reasons, together with the other limitations on advances as described above, all contribute to our expectation that the majority of the unadvanced commitments reported will expire without being fully drawn upon and that the total commitment amount does not necessarily represent future cash funding requirements as of

## November 30, 2014.

We currently expect to make long-term loan advances totaling approximately $\$ 1,915$ million to our members over the next 12 months.

Interest Expense on Debt
For the six months ended November 30, 2014, interest expense on debt was $\$ 315$ million, representing an average cost of

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$3.07 \%$ compared with $3.24 \%$ for the six months ended November 30, 2013. For the past three fiscal years, interest expense on debt has averaged $\$ 685$ million. As of November 30, 2014, $80 \%$ of outstanding debt had a fixed interest rate and $20 \%$ had a variable interest rate.

Principal Repayments on Long-Term Debt
Table 23 summarizes the principal amount of long-term debt, subordinated deferrable debt and members' subordinated certificates maturing by fiscal year and thereafter as of November 30, 2014.

Table 23: Principal Maturity of Long-term Debt
(Dollars in thousands)
May 31, 2015
May 31, 2016
May 31, 2017
May 31, 2018
May 31, 2019
Thereafter
Total

| Amount | Percentage of Total |  |
| :--- | :--- | :--- |
| Maturing ${ }^{(1)}$ | 5 |  |
| $\$ 904,223$ | 10 |  |
| $1,664,291$ | 9 |  |
| $1,526,381$ | 5 |  |
| 780,105 | 11 |  |
| $1,818,214$ | 60 |  |
| $9,966,345$ | 100 |  |

${ }^{(1)}$ Excludes loan subordinated certificates totaling $\$ 128$ million that amortize annually based on the outstanding balance of the related loan and $\$ 0.2$ million in subscribed and unissued certificates for which a payment has been received. There are many items that affect the amortization of a loan, such as loan conversions, loan repricing at the end of an interest rate term and prepayments; therefore, an amortization schedule cannot be maintained for these certificates. Over the past fiscal year, annual amortization on these certificates was $\$ 13$ million. In fiscal year 2014, amortization represented $10 \%$ of amortizing loan subordinated certificates outstanding.

## Patronage Capital Retirements

CFC has made annual retirements of allocated net earnings in 34 of the last 35 fiscal years. In July 2014, the CFC Board of Directors approved the allocation of $\$ 79$ million from fiscal year 2014 net earnings to CFC's members. CFC made a cash payment of $\$ 40$ million to its members in September 2014 as retirement of $50 \%$ of allocated net earnings from the prior year as approved by the CFC Board of Directors. The remaining portion of allocated net earnings will be retained by CFC for 25 years under guidelines adopted by the CFC Board of Directors in June 2009. The board of directors has the authority to change the current practice for allocating and retiring net earnings at any time, subject to applicable laws and regulation.
MARKET RISK
Market risk is the potential for adverse changes in the value of our assets and liabilities resulting from changes in market variables such as interest rates, volatilities or credit spreads. Interest rate risk represents our primary market risk.

## Interest Rate Risk

Our interest rate risk exposure is related to the funding of the fixed-rate loan portfolio. The Asset Liability Committee reviews a complete interest rate risk analysis, reviews proposed modifications, if any, to our interest rate risk management strategy and considers adopting strategy changes. Our Asset Liability Committee monitors interest rate risk and generally meets monthly to review and discuss information such as national economic forecasts, federal funds and interest rate forecasts, interest rate gap analysis, our liquidity position, loan and debt maturities, short-term and

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long-term funding needs, anticipated loan demands, credit concentration risk, derivative counterparty exposure and financial forecasts. The Asset Liability Committee also discusses the composition of fixed-rate versus variable-rate lending, new funding opportunities, changes to the nature and mix of assets and liabilities for structural mismatches, and interest rate swap transactions.

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## Matched Funding Practice

We provide our members with many options on loans with regard to interest rates, the term for which the selected interest rate is in effect and the ability to convert or prepay the loan. Long-term loans have maturities of up to 35 years. Borrowers may select fixed interest rates for periods of one year through the life of the loan. We do not match fund the majority of our fixed-rate loans with a specific debt issuance at the time the loans are advanced. To monitor and mitigate interest rate risk in the funding of fixed-rate loans, we perform a monthly interest rate gap analysis that provides a comparison between fixed-rate assets repricing or maturing by year and fixed-rate liabilities and members’ equity maturing by year, which is presented in Table 24 below. Fixed-rate liabilities include debt issued at a fixed rate as well as variable-rate debt swapped to a fixed rate using interest rate swaps. Fixed-rate debt swapped to a variable rate using interest rate swaps is excluded from the analysis since it is used to match fund the variable-rate loan pool. With the exception of members' subordinated certificates, which are generally issued at rates below our long-term cost of funding and with extended maturities, and commercial paper, our liabilities have average maturities that closely match the repricing terms (but not the maturities) of our fixed-interest-rate loans.

We fund the amount of fixed-rate assets that exceed fixed-rate debt and members' equity with short-term debt, primarily commercial paper. We also have the option to enter pay fixed-receive variable interest rate swaps. Our funding objective is to manage the matched funding of asset and liability repricing terms within a range of total assets (excluding derivative assets) deemed appropriate by the Asset Liability Committee based on the current environment and extended outlook for interest rates. Due to the flexibility we offer our borrowers, there is a possibility of significant changes in the composition of the fixed-rate loan portfolio, and the management of the interest rate gap is very fluid. We may use interest rate swaps to manage the interest rate gap based on our needs for fixed-rate or variable-rate funding as changes arise. We consider the interest rate risk on variable-rate loans to be minimal as the loans are eligible to be repriced at least monthly, which minimizes the variance to the cost of variable-rate debt used to fund the loans. Loans with variable interest rates accounted for $9 \%$ and $10 \%$ of our total loan portfolio as of November 30, 2014 and May 31, 2014, respectively.

## Interest Rate Gap Analysis

Our interest rate gap analysis also allows us to analyze the effect on the overall adjusted TIER of issuing a certain amount of debt at a fixed rate for various maturities before the issuance of the debt. See "Non-GAAP Financial Measures" for further explanation and a reconciliation of the adjustments to TIER.

Table 24 shows the scheduled amortization and repricing of fixed-rate assets and liabilities outstanding as of November 30, 2014.

Table 24: Interest Rate Gap Analysis

| (Dollars in millions) | $\begin{aligned} & \text { Prior to } \\ & 5 / 31 / 15 \end{aligned}$ | Two Years 6/1/15 to 5/31/17 | Two Years <br> 6/1/17 to <br> 5/31/19 | Five <br> Years <br> 6/1/19 to <br> 5/31/24 | Ten Years <br> 6/1/24 to <br> 5/31/34 | 6/1/34 and Thereafter | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |
| Assets amortization and repricing | \$ 1,121 | \$3,918 | \$3,039 | \$4,573 | \$4,469 | \$1,774 | \$18,894 |
| Liabilities and members' equity: |  |  |  |  |  |  |  |
| Long-term debt | \$ 1,060 | \$3,155 | \$3,764 | \$3,611 | \$2,894 | \$737 | \$ 15,221 |
| Subordinated certificates | 53 | 101 | 76 | 729 | 253 | 731 | 1,943 |
| Members' equity ${ }^{(1)}$ | - | - | - | - | 840 | 363 | 1,203 |
| Total liabilities and members' equity | \$ 1,113 | \$3,256 | \$3,840 | \$4,340 | \$3,987 | \$1,831 | \$ 18,367 |
| Gap ${ }^{(2)}$ | \$8 | \$662 | \$(801 ) | \$233 | \$482 | \$(57 | \$527 |


| Cumulative gap | 8 |  | 670 |  | (131 | ) | 102 |  | 584 |  | 527 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cumulative gap as a \% of total assets | 0.04 | \% | 2.97 | \% | (0.58 | )\% | 0.45 | \% | 2.59 | \% | 2.33 | \% |
| Cumulative gap as a $\%$ of adjusted total assets ${ }^{(3)}$ | 0.04 |  | 2.99 |  | (0.58 | ) | 0.45 |  | 2.60 |  | 2.35 |  |

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${ }^{(1)}$ Includes the portion of the allowance for loan losses and subordinated deferrable debt allocated to fund fixed-rate assets and excludes non-cash adjustments from the accounting for derivative financial instruments.
${ }^{(2)}$ Calculated based on the amount of assets amortizing and repricing less total liabilities and members' equity included in Table 24.
${ }^{(3)}$ Adjusted total assets represents total assets reported in our condensed consolidated balance sheets less derivative assets.

We had $\$ 18,894$ million of fixed-rate assets amortizing or repricing as of November 30, 2014. These assets were funded by $\$ 15,221$ million of fixed-rate liabilities maturing during the next 30 years and $\$ 3,146$ million of members' equity and members' subordinated certificates. A portion of members' equity does not have a scheduled maturity. The difference, or gap, of $\$ 527$ million reflects the amount of fixed-rate assets that are funded with short-term debt as of November 30, 2014. The gap of $\$ 527$ million represented $2.33 \%$ of total assets and $2.35 \%$ of total assets excluding derivative assets, or adjusted total assets, as of November 30, 2014.

Our Asset Liability Committee believes that it is appropriate to maintain an unmatched position on our fixed-rate assets that represents a small percentage of adjusted total assets. This small unmatched position allows the necessary flexibility to ensure that we are able to match the current maturing portion of long-term fixed rate loans based on maturity date and the opportunity in the current low interest rate environment to maximize the gross yield on our fixed rate assets without taking what we would consider to be excessive risk. Funding fixed-rate loans with short-term debt increases interest rate and liquidity risk, as the maturing debt would need to be replaced to fund the fixed-rate loans through their repricing or maturity date. We manage interest rate risk through the use of derivatives and by limiting the amount of fixed-rate assets that can be funded by short-term debt to a specified percentage of adjusted total assets based on market conditions. We discuss how we manage our liquidity risk above under "Liquidity Risk."

## NON-GAAP FINANCIAL MEASURES

In addition to financial measures determined in accordance with GAAP, management also evaluates performance based on certain non-GAAP measures, which we refer to as "adjusted" measures. We provide a reconciliation of our adjusted measures to the most comparable GAAP measures in this section. We believe these adjusted non-GAAP metrics provide meaningful information and are useful to investors because the financial covenants in our revolving credit agreements and debt indentures are based on these adjusted measures.

## Statements of Operations Non-GAAP Adjustments and Calculation of TIER

Table 25 provides a reconciliation of adjusted interest expense, adjusted net interest income and adjusted net income to the comparable GAAP measures. The adjusted amounts are used in the calculation of our adjusted net interest yield and adjusted TIER.

Table 25: Adjusted Financial Measures - Income Statement

Three Months Ended November 30,
(Dollars in thousands)
Interest expense
Plus: Derivative cash settlements
Adjusted interest expense
Net interest income
Less: Derivative cash settlements
Adjusted net interest income
$\left.\begin{array}{lll}2014 & 2013 \\ \$(158,275 & ) & \$(165,345 \\ (21,764 & ) & (19,471 \\ \$(180,039 & ) & \$(184,816,\end{array}\right)$
$\$ 55,196 \quad \$ 54,438$

Six Months Ended November 30,
20142013
) $\$(314,827) \$(332,930$
) $(41,865)(36,156)$
) $\$(356,692) \$(369,086$ )
\$157,699 \$ 147,395
) $(41,865)(36,156$
\$115,834 \$111,239

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Net income
Less: Derivative forward value
Adjusted net income
$\left.\begin{array}{llll}\$(35,912 & ) & \$ 24,992 & \$(15,300\end{array}\right) \$ 183,258 \quad(111,760 \quad$ )

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## TIER Calculation

Table 26 presents our TIER and adjusted TIER for the three and six months ended November 30, 2014 and 2013.
Table 26: TIER and Adjusted TIER

|  | Three Months Ended November |  | Six Months Ended November 30, |  |
| :--- | :--- | :--- | :--- | :--- |
|  | 30, | 2013 | 2014 | 2013 |
| TIER $^{(1)(2)}$ | 2014 | - | 1.55 |  |
| Adjusted TIER $^{(3)}$ | - | 1.15 |  |  |

${ }^{(1)}$ TIER is calculated based on net income plus interest expense for the period divided by interest expense for the period.
${ }^{(2)}$ For the three and six months ended November 30, 2014, we reported a net loss of $\$ 36$ million and $\$ 15$ million, respectively, therefore the TIER for these periods results in a value below 1.00 .
${ }^{(3)}$ Adjusted TIER is calculated based on adjusted net income plus adjusted interest expense for the period divided by adjusted interest expense for the period.

## Adjustments to the Calculation of Leverage and Debt-to-Equity Ratios

Table 27 provides a reconciliation between the liabilities and equity used to calculate the leverage and debt-to-equity ratios and these financial measures adjusted to exclude the non-cash effects of derivatives and foreign currency adjustments, to subtract debt used to fund loans that are guaranteed by RUS from total liabilities, and to subtract from total liabilities, and add to total equity, debt with equity characteristics.

Table 27: Adjusted Financial Measures - Balance Sheet
(Dollars in thousands)
Total liabilities
Less:
Derivative liabilities
Debt used to fund loans guaranteed by RUS
Subordinated deferrable debt
Subordinated certificates
Adjusted liabilities
Total equity
Less:
Prior year cumulative derivative forward value and foreign currency adjustments
Current year-to-date derivative forward value (gains) losses, net
Accumulated other comprehensive income ${ }^{(1)}$
Plus:
Subordinated certificates
Subordinated deferrable debt
Adjusted total equity
Guarantees (2)

November 30, $2014 \quad$ May 31, 2014
\$21,654,277 \$21,262,369

| $(400,687$ | $)$ | $(388,208$ | $)$ |
| :--- | :--- | :--- | :--- |
| $(181,986$ | $)$ | $(201,863$ | $)$ |
| $(400,000$ | $)$ | $(400,000$ | $(1,612,228$ |
| $(1,550,840$ | $\$ 18,660,070$ |  |  |
| $\$ 19,120,764$ | $\$ 970,374$ |  |  |
| $\$ 918,826$ |  |  |  |


| 185,181 | 224,722 |
| :--- | :--- |
| 82,574 | $(39,541$ |
| $(5,843$ | $(6,320$ |
|  |  |
| $1,550,840$ | $1,612,228$ |
| 400,000 | 400,000 |
| $\$ 3,131,578$ | $\$ 3,161,463$ |
| $\$ 981,428$ | $\$ 1,064,822$ |

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${ }^{(1)}$ Represents the accumulated other comprehensive income related to derivatives. Excludes $\$ 3$ million of accumulated other comprehensive income and $\$ 0.4$ million of accumulated other comprehensive loss at November 30, 2014 and May 31, 2014, respectively, related to the unrecognized gains on our investments. It also excludes \$2 million of accumulated other comprehensive loss related to foreclosed assets at November 30, 2014 and May 31, 2014.
${ }^{(2)}$ Guarantees are used in the calculation of leverage and adjusted leverage ratios below.

Table 28 presents the calculations of our leverage and debt-to-equity ratios and our adjusted leverage and debt-to-equity ratios as of November 30, 2014 and May 31, 2014.

Table 28: Leverage and Debt-to-Equity and Adjusted Leverage and Adjusted Debt-to-Equity Ratios
November 30, $2014 \quad$ May 31, 2014
Leverage ratio ${ }^{(1)}$
24.64
23.01

Adjusted leverage ratio ${ }^{(2)}$
6.42
6.24

Debt-to-equity ratio ${ }^{(3)}$
23.57
21.91

Adjusted debt-to-equity ratio ${ }^{(4)}$
6.11
5.90

[^6]37

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Item 1. Financial Statements

## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS (UNAUDITED)

|  | Three Months Ended November 30 , |  |  |  | Six Months Ended November 30, |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Dollars in thousands) | 2014 |  | 2013 |  | 2014 |  | 2013 |  |
| Interest income | \$235,235 |  | \$239,254 |  | \$472,526 |  | \$480,325 |  |
| Interest expense | (158,275 | ) | (165,345 | ) | (314,827 | ) | (332,930 | ) |
| Net interest income | 76,960 |  | 73,909 |  | 157,699 |  | 147,395 |  |
| Provision for loan losses | (992 | ) | (1,096 | ) | 5,779 |  | (2,374 | ) |
| Net interest income after provision for loan losses | 75,968 |  | 72,813 |  | 163,478 |  | 145,021 |  |
| Non-interest income: |  |  |  |  |  |  |  |  |
| Fee and other income | 9,872 |  | 5,125 |  | 14,229 |  | 9,281 |  |
| Derivative gains (losses), net | (74,561 | ) | (30,780 | ) | (124,439 |  | 75,604 |  |
| Results of operations of foreclosed assets | (28,991 | ) | (3,269 | ) | (31,690 | ) | (7,318 | ) |
| Total non-interest income | (93,680 | ) | (28,924 | ) | (141,900 | ) | 77,567 |  |
| Non-interest expense: |  |  |  |  |  |  |  |  |
| Salaries and employee benefits | (10,528 | ) | (9,018 | ) | (21,325 | ) | (19,346 | ) |
| Other general and administrative expenses | (7,709 | ) | (9,555 | ) | (15,455 | ) | (17,842 |  |
| Provision for guarantee liability | 13 |  | (73 | ) | 80 |  | (42 |  |
| Other | (17 | ) | (150 | ) | (23 |  | (298 |  |
| Total non-interest expense | (18,241 | ) | (18,796 | ) | (36,723 |  | (37,528 |  |
| Income (loss) before income taxes | (35,953 | ) | 25,093 |  | (15,145 |  | 185,060 |  |
| Income tax (expense) benefit | 41 |  | (101 | ) | (155 |  | (1,802 | ) |
| Net income (loss) | (35,912 | ) | 24,992 |  | (15,300 |  | 183,258 |  |
| Less: Net (income) loss attributable to noncontrolling interests | 207 |  | (67 | ) | (4 |  | (2,785 | ) |
| Net income (loss) attributable to CFC | \$(35,705 | ) | \$24,925 |  | \$(15,304 |  | \$180,473 |  |

See accompanying notes to condensed consolidated financial statements.

## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION CONDENSED CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (UNAUDITED)

$\left.\begin{array}{lllll}\text { (Dollars in thousands) } & 2014 & 2013 & 2014 & 2013 \\ \begin{array}{l}\text { Net income (loss) } \\ \text { Other comprehensive income (loss): }\end{array} & \$(35,912 & ) & \$ 24,992 & \$(15,300\end{array}\right) \$ 183,258$

See accompanying notes to condensed consolidated financial statements.

NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION
CONDENSED CONSOLIDATED BALANCE SHEETS
(UNAUDITED)
(Dollars in thousands)
Assets:
Cash and cash equivalents
Restricted cash
Investments
Time deposits
Loans to members
Less: Allowance for loan losses
Loans to members, net
Accrued interest and other receivables
Fixed assets, net
Debt service reserve funds
Debt issuance costs, net
Foreclosed assets, net
Derivative assets
Other assets
Total assets
November 30, 2014 May 31, 2014

Liabilities:
Accrued interest payable \$116,954 \$118,381
Debt outstanding:
Short-term debt
Long-term debt
Subordinated deferrable debt
Members' subordinated certificates:
Membership subordinated certificates
Loan and guarantee subordinated certificates
Member capital securities
Total members' subordinated certificates
Total debt outstanding
Deferred income
Derivative liabilities
Other liabilities
Total liabilities
4,222,404 4,099,331
14,836,922 14,513,284
400,000 400,000

Total labilics

| 644,881 | 644,944 |
| :--- | :--- |
| 667,589 | 699,723 |
| 238,370 | 267,560 |
| $1,550,840$ | $1,612,227$ |
| $21,010,166$ | $20,624,842$ |
| 78,754 | 78,040 |
| 400,687 | 388,208 |
| 47,716 | 52,898 |
| $21,654,277$ | $21,262,369$ |

Commitments and contingencies
Equity:
CFC equity:
Retained equity
884,393 939,888
Accumulated other comprehensive income
6,773
3,649
Total CFC equity
891,166
943,537
Noncontrolling interest
27,660
26,837

| Total equity | 918,826 | 970,374 |
| :--- | :--- | :--- |
| Total liabilities and equity | $\$ 22,573,103$ | $\$ 22,232,743$ |

Total liabilities and equity
\$22,573,103
\$22,232,743
See accompanying notes to condensed consolidated financial statements.
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## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION CONDENSED CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY (UNAUDITED)

| (Dollars in thousands) | Member Fees and Educatio Fund | rship <br> d atronage <br> Capital <br> ${ }^{\text {on }}$ Allocated | Members' <br> Capital <br> Reserve | Unallocated Net Income (Loss) | CFC <br> Retained Equity | CFC <br> Accumul Other Compreh Income | ulateotal <br> CFC <br> heFsivivity | Non-contr Interests | rolliatgl Equity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Balance as of May 31, 2014 | \$2,751 | \$630,340 | \$485,447 | \$ $(178,650)$ | \$939,888 | \$3,649 | \$943,537 | \$ 26,837 | \$970,374 |
| Net income | - | - | - | (15,304 | (15,304 | - | (15,304 | 4 | (15,300 |
| Other comprehensive income (loss) | - | - | - | - | - | 3,124 | 3,124 | (5 | 3,119 |
| Patronage capital retirement | - | (39,662 | ) - | - | (39,662 | ) - | (39,662 | - | (39,662 ) |
| Other | (529 | ) (1 | 1 | - | (529 | - | (529 | 824 | 295 |
| Balance as of November 30, 2014 | \$2,222 | \$590,677 | \$485,448 | \$(193,954) | \$884,393 | \$6,773 | \$891,166 | \$ 27,660 | \$918,826 |
| Balance as of <br> May 31, 2013 | \$2,505 | \$591,581 | \$410,259 | \$(213,255) | \$791,090 | \$8,381 | \$799,471 | \$ 11,790 | \$811,261 |
| Net income | - | - | - | 180,473 | 180,473 | - | 180,473 | 2,785 | 183,258 |
| Other comprehensive loss | - | - | - | - | - | (5,730 | ) $(5,730$ | (9 | ) $(5,739$ |
| Patronage capital retirement | - | (40,724 | ) - | - | (40,724 | ) - | (40,724 | ) - | (40,724 ) |
| Other | (415 | ) - | - | - | (415 | ) - | (415 | ) 1,095 | 680 |
| Balance as of November 30, 2013 | \$2,090 | \$550,857 | \$410,259 | \$(32,782 ) | \$930,424 | \$2,651 | \$933,075 | \$ 15,661 | \$948,736 |

See accompanying notes to condensed consolidated financial statements.

NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS (UNAUDITED)
(Dollars in thousands)
Cash flows from operating activities:
Net income
Adjustments to reconcile net income to net cash provided by operating activities:
Amortization of deferred income
Amortization of debt issuance costs and deferred charges
Amortization of discount on long-term debt
Amortization of issuance costs for revolving bank lines of credit
Depreciation
Provision for loan losses
Provision for guarantee liability
Results of operations of foreclosed assets
Derivative forward value
Changes in operating assets and liabilities:
Accrued interest and other receivables
Accounts payable
Accrued interest payable
Deferred income
Other
Net cash provided by operating activities
Cash flows from investing activities:
Advances on loans
Principal collections on loans
Net investment in fixed assets
Proceeds from foreclosed assets
Investments in foreclosed assets
Investments in time deposits
Proceeds from sale of time deposits
Investments in equity securities
Change in restricted cash
Net cash used in investing activities
Cash flows from financing activities:
Proceeds from issuances of short-term debt, net
Proceeds from issuances of short-term debt with original maturity greater than 90 days
Repayments of short term-debt with original maturity greater than 90 days
Issuance costs for revolving bank lines of credit
Proceeds from issuance of long-term debt
Payments for retirement of long-term debt
Issuance costs for subordinated debt
Proceeds from issuance of members' subordinated certificates

Six Months Ended November 30, 20142013
\$(15,300 ) \$183,258

| $(5,781$ | $)$ | $(6,104$ |
| :--- | :--- | :--- |
| 3,630 | 3,647 |  |
| 3,605 | 2,367 |  |
| 4,213 | 1,332 |  |
| 2,920 | 2,838 |  |
| $(5,779$ | $)$ | 2,374 |
| $(80$ | $)$ |  |
| 31,690 | 7,318 |  |
| 82,574 | $(111,760$ | $)$ |
|  |  |  |
| 2,298 | $(30,795$ | $)$ |

(1,296 ) (875 )
(1,427 ) (10,795 )
6,495 54,502
(4,442 ) (2,790 )

103,320 94,559
$\left.\begin{array}{lll}(4,116,020 & ) & (3,941,276\end{array}\right)$

150,891 64,751
240,662 468,142
$(268,480)(324,820)$
(2,822 ) (2,751 )
748,073 1,769,662
(431,260 ) (1,713,395 )

- (150 )

54,560 1,608

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| Payments for retirement of members' subordinated certificates | $(101,251$ | $)(5,945$ |
| :--- | :--- | :--- |
| Payments for retirement of patronage capital | $(38,836$ | $)(39,630$ |
| Net cash provided by financing activities | 351,537 | 217,472 |
| Net increase in cash and cash equivalents | 173,786 | 124,315 |
| Beginning cash and cash equivalents | 338,715 | 177,062 |
| Ending cash and cash equivalents | $\$ 512,501$ | $\$ 301,377$ |

See accompanying notes to condensed consolidated financial statements.
(Dollars in thousands)
Six Months Ended November
30,
Supplemental disclosure of cash flow information:
Cash paid for interest
Cash paid for income taxes
2014
2013

Non-cash financing and investing activities:
Net decrease in debt service reserve funds/debt service reserve certificates
\$304,806
\$336,379

Net decreas in debt service reserve fund
(13,751 ) (450 )

See accompanying notes to condensed consolidated financial statements.

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## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

## NOTE 1—SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

## The Company

National Rural Utilities Cooperative Finance Corporation ("CFC") is a member-owned cooperative association incorporated under the laws of the District of Columbia in April 1969. CFC's principal purpose is to provide its members with financing to supplement the loan programs of the Rural Utilities Service ("RUS") of the United States Department of Agriculture ("USDA"). CFC makes loans to its rural electric members so they can acquire, construct and operate electric distribution, generation, transmission and related facilities. CFC also provides its members with credit enhancements in the form of letters of credit and guarantees of debt obligations. As a cooperative, CFC is owned by and exclusively serves its membership, which consists of not-for-profit entities or subsidiaries or affiliates of not-for-profit entities. CFC is exempt from federal income taxes.

Principles of Consolidation and Basis of Presentation
The accompanying financial statements include the consolidated accounts of CFC, Rural Telephone Finance Cooperative ("RTFC") and National Cooperative Services Corporation ("NCSC") and certain entities created and controlled by CFC to hold foreclosed assets and accommodate loan securitization transactions. The entities controlled by CFC that hold foreclosed assets include Caribbean Asset Holdings, LLC ("CAH") and Denton Realty Partners, LP ("DRP"). CAH is a holding company for various U.S. Virgin Islands, British Virgin Islands and St. Maarten-based telecommunications operating entities that provide local, long-distance and wireless telephone, cable television and internet services to residential and commercial customers. DRP holds assets primarily consisting of a land development loan and limited partnership interests in certain real estate developments and related receivables, developed lots and retail land. Intercompany accounts and transactions have been eliminated in consolidation. Unless stated otherwise, references to "we," "our" or "us" relate to CFC and its consolidated entities.

The accompanying unaudited condensed consolidated financial statements have been prepared in accordance with generally accepted accounting principles in the U.S. ("GAAP"). The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the amounts reported in the consolidated financial statements and related disclosures. These estimates are based on information available as of the date of the consolidated financial statements. While management makes its best judgment, actual amounts or results could differ from these estimates. In the opinion of management, all normal, recurring adjustments have been included for a fair presentation of this interim financial information.

These interim unaudited condensed consolidated financial statements should be read in conjunction with the audited consolidated financial statements, and related notes thereto, included in CFC's Annual Report on Form 10-K for the fiscal year ended May 31, 2014 (the "2014 Form 10-K").

Reclassifications
Certain prior period amounts have been reclassified to conform to the current period presentation. The most significant reclassification relates to the presentation of short-term and long-term debt. Effective August 31, 2014, we began classifying debt as either short-term or long-term based on the original contractual maturity at issuance. For
reporting periods prior to August 31, 2014, we reported long-term debt maturing within one year as part of our short-term debt. The debt reclassification had no impact on our debt ratios or financial covenants.

Variable Interest Entities
We are required to consolidate the financial results of RTFC and NCSC because CFC is the primary beneficiary of variable interests in RTFC and NCSC due to its exposure to absorbing the majority of their expected losses.

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## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

Under separate guarantee agreements, RTFC and NCSC pay CFC a fee to indemnify them against loan losses. CFC is the sole lender to and manages the business operations of RTFC through a management agreement in effect until December 1, 2016, which is automatically renewed for one-year terms thereafter unless terminated by either party. CFC is the primary source of funding to, and manages the lending activities of, NCSC through a management agreement that is automatically renewable on an annual basis unless terminated by either party. NCSC funds its lending programs through loans from CFC or debt guaranteed by CFC. In connection with these guarantees, NCSC must pay a guarantee fee.

RTFC and NCSC creditors have no recourse against CFC in the event of a default by RTFC and NCSC, unless there is a guarantee agreement under which CFC has guaranteed NCSC or RTFC debt obligations to a third party. As of November 30, 2014, CFC had guaranteed $\$ 91$ million of NCSC debt, derivative instruments and guarantees with third parties, and CFC's maximum potential exposure for these instruments totaled $\$ 97$ million. The maturities for NCSC obligations guaranteed by CFC extend through 2031. Guarantees of NCSC debt and derivative instruments are not included in Note 10, Guarantees, as the debt and derivatives are reported on the condensed consolidated balance sheets. As of November 30, 2014, CFC guaranteed $\$ 2$ million of RTFC guarantees with third parties. The maturities for RTFC obligations guaranteed by CFC extend through 2015 and are renewed on an annual basis. All CFC loans to RTFC and NCSC are secured by all assets and revenue of RTFC and NCSC, respectively. As of November 30, 2014, RTFC had total assets of $\$ 546$ million including loans outstanding to members of $\$ 429$ million, and NCSC had total assets of $\$ 690$ million including loans outstanding of $\$ 669$ million. As of November 30, 2014, CFC had committed to lend RTFC up to $\$ 4,000$ million, of which $\$ 413$ million was outstanding. As of November 30, 2014, CFC had committed to provide up to $\$ 3,000$ million of credit to NCSC, of which $\$ 743$ million was outstanding, representing $\$ 652$ million of outstanding loans and $\$ 91$ million of credit enhancements.

## Interest Income

Interest income on loans is recognized using the effective interest method. The following table presents the components of interest income for the three and six months ended November 30, 2014 and 2013.

|  | Three Months Ended November |  | Six Months Ended November 30, |  |
| :--- | :--- | :--- | :--- | :--- |
| (Dollars in thousands) | 30, |  |  | 2014 |
| Interest on long-term fixed-rate loans | 2014 | 2013 | $\$ 438,535$ | $\$ 446,535$ |
| Interest on long-term variable-rate loans | $\$ 219,119$ | $\$ 221,952$ | 10,262 | 9,654 |
| Interest on line of credit loans | 4,902 | 4,826 | 13,629 | 15,077 |
| Interest on restructured loans | 6,687 | 7,505 | 10 | 136 |
| Interest on investments | 10 | - | 4,121 | 3,753 |
| Fee income ${ }^{(1)}$ | 1,549 | 1,817 | 5,969 | 5,170 |
| Total interest income | 2,968 | 3,154 | $\$ 472,526$ | $\$ 480,325$ |

${ }^{(1)}$ Primarily related to conversion fees, which are deferred and recognized in interest income over the original loan interest rate pricing term using the effective interest method. Also includes a small portion of conversion fees that are intended to cover the administrative costs related to the conversion, which are recognized immediately.

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Deferred income on the condensed consolidated balance sheets primarily includes deferred conversion fees totaling $\$ 74$ million and $\$ 73$ million as of November 30, 2014 and May 31, 2014, respectively.

Interest Expense
The following table presents the components of interest expense for the three and six months ended November 30, 2014 and 2013.

## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

|  | Three Months Ended November |  | Six Months Ended November 30, |  |
| :--- | :--- | :--- | :--- | :--- |
| (Dollars in thousands) | 30, |  | 2014 | 2013 |
| Interest expense on debt: ${ }^{(1)}$ | 2014 | 2013 |  |  |
| Short-term debt | $\$ 1,432$ | $\$ 1,607$ | $\$ 2,706$ | $\$ 3,039$ |
| Medium-term notes | 17,022 | 20,980 | 33,741 | 42,551 |
| Collateral trust bonds | 75,219 | 74,858 | 149,986 | 151,656 |
| Subordinated deferrable debt | 4,750 | 4,750 | 9,500 | 9,500 |
| Subordinated certificates | 16,116 | 20,494 | 32,896 | 41,120 |
| Long-term notes payable | 36,823 | 38,759 | 75,257 | 76,698 |
| Debt issuance costs ${ }^{(2)}$ | 1,932 | 1,782 | 3,725 | 3,647 |
| Fee expense $^{(3)}$ | 4,981 | 2,115 | 7,016 | 4,719 |
| Total interest expense | $\$ 158,275$ | $\$ 165,345$ | $\$ 314,827$ | $\$ 332,930$ |

${ }^{(1)}$ Represents interest expense and the amortization of discounts on debt.
${ }^{(2)}$ Primarily consists of underwriter's fees, legal fees, printing costs and certain accounting fees, which are deferred and recognized in interest expense using the effective interest method. Also includes issuance costs related to dealer commercial paper, which are recognized immediately as incurred.
${ }^{(3)}$ Reflects various fees related to funding activities, including fees paid to banks participating in our revolving credit agreements. Amounts are recognized as incurred or amortized on a straight-line basis over the life of the agreement.

We exclude indirect costs, if any, related to funding activities from interest expense.
Recently Issued but Not Yet Adopted Accounting Standards
In May 2014, the Financial Accounting Standards Board issued Accounting Standards Update 2014-09, Revenue from Contracts with Customers, which clarifies the principles for recognizing revenue from contracts with customers. The new accounting guidance, which does not apply to financial instruments, is effective for us beginning in the first quarter of fiscal year 2018. We do not expect the new guidance to have a material impact on our financial condition, results of operations or liquidity, as CFC's primary business and source of revenue is from lending.

## NOTE 2—INVESTMENT SECURITIES

Our investment portfolio consists of preferred stock and common stock of Federal Agricultural Mortgage Corporation ("Farmer Mac"). These investments were classified as available for sale as of November 30, 2014 and May 31, 2014, and therefore recorded on our condensed consolidated balance sheets at fair value with any unrealized gains and losses recorded as a component of accumulated other comprehensive income.

The following tables present the amortized cost, gross unrealized gains and losses and fair value of our available-for-sale investment securities as of November 30, 2014 and May 31, 2014.

November 30, 2014
(Dollars in thousands)

|  | Amortized | Gross | Gross |
| :--- | :--- | :--- | :--- |
|  |  |  |  |
| Cost | Unrealized | Unrealized | Fair Value |
|  | Gains | Losses |  |


| Farmer Mac—Series A Non-Cumulative Preferred Stock $\$ 30,000$ | $\$-$ |  | $\$-$ | $\$ 30,000$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Farmer Mac—Series B Non-Cumulative Preferred Stock 25,000 | 1,300 | - | 26,300 |  |
| Farmer Mac—Series C Non-Cumulative Preferred Stock 25,000 | 584 | - | 25,584 |  |
| Farmer Mac—Class A Common Stock | 538 | 1,357 | - | 1,895 |
| Total available-for-sale investment securities | $\$ 80,538$ | $\$ 3,241$ | $\$-$ | $\$ 83,779$ |

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## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

|  | May 31, 2014 |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
| (Dollars in thousands) | Amortized | Gross | Gross |  |
|  | Cost | Unrealized | Unrealized | Fair Value |
| Farmer Mac—Series A Non-Cumulative Preferred Stock $\$ 30,000$ | Gains | Losses |  |  |
| Farmer Mac—Series B Non-Cumulative Preferred Stock 25,000 | 500 | $\$(2,220$ | $)$ | $\$ 27,780$ |
| Farmer Mac—Class A Common Stock | 538 | - | 25,500 |  |
| Total available-for-sale securities | $\$ 55,538$ | $\$ 1,859$ | $\$(2,220$ | ) $\$ 55,177$ |

We did not have any investment securities in an unrealized loss position as of November 30, 2014. The gross unrealized loss on our Farmer Mac-Series A Non-Cumulative Preferred Stock of $\$ 2$ million as of May 31, 2014 was largely attributable to changes in interest rates. We do not intend to sell our investment securities in the foreseeable future and therefore expect to recover any declines in fair value resulting from changes in interest rates.

## NOTE 3-LOANS AND COMMITMENTS

The outstanding principal balance of loans to members, unadvanced commitments and deferred loan origination costs, by loan type and member class, as of November 30, 2014 and May 31, 2014 are presented below.

|  | November 30, 2014 |  | May 31, 2014 |
| :--- | :--- | :--- | :--- | :--- |

[^7]${ }^{(2)}$ Includes nonperforming and restructured loans.
${ }^{(3)}$ Represents the unpaid principal balance excluding deferred loan origination costs.

## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

## Unadvanced Loan Commitments

A total of $\$ 2,591$ million and $\$ 2,274$ million of unadvanced commitments as of November 30, 2014 and May 31, 2014, respectively, represented unadvanced commitments related to committed lines of credit loans that are not subject to a material adverse change clause at the time of each loan advance. As such, we will be required to advance amounts on these committed facilities as long as the borrower is in compliance with the terms and conditions of the facility.

The following table summarizes the available balance under committed lines of credit as of November 30, 2014 and the related maturities by fiscal year and thereafter as follows:

|  | Available | Notional Maturities of Unconditional Committed Lines of Credit |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| (Dollars in thousands) | Balance | 2015 | 2016 | 2017 | 2018 | 2019 | Thereafter |
| Committed lines of credit | $\$ 2,591,131$ | $\$ 17,885$ | $\$ 61,000$ | $\$ 424,723$ | $\$ 792,305$ | $\$ 1,119,618$ | $\$ 175,600$ |

The remaining unadvanced commitments totaling $\$ 11,272$ million and $\$ 11,638$ million as of November 30, 2014 and May 31, 2014, respectively, were generally subject to material adverse change clauses. Prior to making an advance on these facilities, we confirm that there has been no material adverse change in the business or condition, financial or otherwise, of the borrower since the time the loan was approved and confirm that the borrower is currently in compliance with loan terms and conditions. In some cases, the borrower's access to the full amount of the facility is further constrained by the designated purpose, imposition of borrower-specific restrictions or by additional conditions that must be met prior to advancing funds.

Unadvanced commitments related to line of credit loans are typically for periods not to exceed five years and are generally revolving facilities used for working capital and backup liquidity purposes. Historically, we have experienced a very low utilization rate on line of credit loan facilities, whether or not there is a material adverse change clause. Since we generally do not charge a fee on the unadvanced portion of the majority of our loan facilities, our borrowers will typically request long-term facilities to cover maintenance and capital expenditure work plans for periods of up to five years and draw down on the facility over that time. In addition, borrowers will typically request an amount in excess of their immediate estimated loan requirements to avoid the expense related to seeking additional loan funding for unexpected items. These factors contribute to our expectation that the majority of the unadvanced commitments will expire without being fully drawn upon and that the total unadvanced amount does not necessarily represent future cash funding requirements.

## Loan Sales

We account for the transfer of loans resulting from direct loan sales to third parties and securitization transactions by removing the loans from our condensed consolidated balance sheets when control has been surrendered. We retain the servicing performance obligations on these loans and recognize related servicing fees on an accrual basis over the period for which servicing activity is provided. Deferred transaction costs and unamortized deferred loan origination costs related to the loans sold are included in determining the gain or loss on the sale. We do not hold any continuing interest in the loans sold to date other than servicing performance obligations. We have no obligation to repurchase loans from the purchaser, except in the case of breaches of representations and warranties.

During the six months ended November 30, 2014 and 2013, we sold CFC loans with outstanding balances totaling $\$ 14$ million and $\$ 37$ million, respectively, at par for cash.

Payment Status of Loans
The tables below show an analysis of the age of the recorded investment in loans outstanding by member class as of November 30, 2014 and May 31, 2014.

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NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

November 30, 2014

| (Dollars in thousands) | Current | $\begin{aligned} & \text { 30-89 Days } \\ & \text { Past Due } \end{aligned}$ | 90 Days or <br> More <br> Past Due ${ }^{(1)}$ | Total <br> Past Due | Total <br> Financing <br> Receivables | Nonaccrual <br> Loans |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CFC: |  |  |  |  |  |  |
| Distribution | \$15,386,626 | \$- | \$- | \$- | \$ 15,386,626 | \$7,221 |
| Power supply | 4,224,787 | - | - | - | 4,224,787 | - |
| Statewide and associate | 63,740 | - | - | - | 63,740 | - |
| CFC total | 19,675,153 | - | - | - | 19,675,153 | 7,221 |
| RTFC | 428,455 | 98 | 95 | 193 | 428,648 | 1,695 |
| NCSC | 669,479 | - | - | - | 669,479 | 321 |
| Total loans outstanding | \$20,773,087 | \$98 | \$95 | \$193 | \$20,773,280 | \$9,237 |
| As a \% of total loans | 100.00 | - | - | - | \% 100.00 | 0.05 |

May 31, 2014

${ }^{(1)}$ All loans 90 days or more past due are on nonaccrual status.

## Credit Quality

We monitor the credit quality and performance statistics of our financing receivables in an ongoing manner to provide a balance between the credit needs of our members and the requirements for sound credit quality of the loan portfolio. We evaluate the credit quality of our loans using an internal risk rating system that employs similar criteria for all member classes.

Our internal risk rating system is based on a determination of a borrower's risk of default utilizing both quantitative and qualitative measurements.

We have grouped our risk ratings into the categories of pass and criticized based on the criteria below.
(i) Pass: Borrowers that are not experiencing difficulty and/or not showing a potential or well-defined credit weakness.
(ii) Criticized: Includes borrowers categorized as special mention, substandard and doubtful as described below: Special mention: Borrowers that may be characterized by a potential credit weakness or deteriorating financial condition that is not sufficiently serious to warrant a classification of substandard or doubtful.
Substandard: Borrowers that display a well-defined credit weakness that may jeopardize the full collection of principal and interest.

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## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

Doubtful: Borrowers that have a well-defined weakness and the full collection of principal and interest is questionable or improbable.

Borrowers included in the pass, special mention, and substandard categories are generally reflected in the general portfolio of loans. Borrowers included in the doubtful category are reflected in the impaired portfolio of loans. Each risk rating is reassessed annually based on the receipt of the borrower's audited financial statements; however, interim downgrades and upgrades may take place at any time as significant events or trends occur.

The following table presents our loan portfolio by risk rating category and member class based on available data as of November 30, 2014 and May 31, 2014.

|  | November 30, 2014 |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| (Dollars in thousands) | Pass | Criticized | Total | Pass 31,2014 | Criticized | Total |
| CFC: |  |  |  |  |  |  |
| Distribution | $\$ 15,357,810$ | $\$ 28,816$ | $\$ 15,386,626$ | $\$ 15,018,642$ | $\$ 16,723$ | $\$ 15,035,365$ |
| Power supply | $4,224,787$ | - | $4,224,787$ | $4,086,163$ | - | $4,086,163$ |
| Statewide and associate | 63,468 | 272 | 63,740 | 67,625 | 277 | 67,902 |
| CFC total | $19,646,065$ | 29,088 | $19,675,153$ | $19,172,430$ | 17,000 | $19,189,430$ |
| RTFC | 426,953 | 1,695 | 428,648 | 447,851 | 1,695 | 449,546 |
| NCSC | 667,439 | 2,040 | 669,479 | 825,736 | 2,213 | 827,949 |
| Total loans outstanding | $\$ 20,740,457$ | $\$ 32,823$ | $\$ 20,773,280$ | $\$ 20,446,017$ | $\$ 20,908$ | $\$ 20,466,925$ |

Loan Security
Except when providing line of credit loans, we typically lend to our members on a senior secured basis. Long-term loans are typically secured on parity with other secured lenders (primarily RUS), if any, by all assets and revenue of the borrower with exceptions typical in utility mortgages. Line of credit loans are generally unsecured. In addition to the lien and security interest we receive under the mortgage, our member borrowers are also required to achieve certain financial ratios as required by loan covenants.

The following tables summarize our secured and unsecured loans outstanding by loan type and by company as of November 30, 2014 and May 31, 2014.

| (Dollars in thousands) | November 30, 2014 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Secured | \% |  | Unsecured | \% |  | Total |
| Loan type: |  |  |  |  |  |  |  |
| Long-term fixed-rate loans | \$17,725,009 | 95 | \% | \$987,595 | 5 | \% | \$18,712,604 |
| Long-term variable-rate loans | 598,981 | 87 |  | 90,897 | 13 |  | 689,878 |
| Loans guaranteed by RUS | 181,986 | 100 |  | - | - |  | 181,986 |
| Line of credit loans | 203,346 | 17 |  | 985,466 | 83 |  | 1,188,812 |
| Total loans outstanding | \$18,709,322 | 90 |  | \$2,063,958 | 10 |  | \$20,773,280 |
| Company: |  |  |  |  |  |  |  |
| CFC | \$17,838,337 | 91 | \% | \$1,836,816 | 9 | \% | \$19,675,153 |
| RTFC | 411,169 | 96 |  | 17,479 |  |  | 428,648 |

## NCSC

Total loans outstanding

## 459,816

\$18,709,322
69
90
号

669,479
\$2,063,958 10
\$20,773,280

## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

|  | May 31, 2014 |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| (Dollars in thousands) | Secured | $\%$ | Unsecured | $\%$ | Total |  |
| Loan type: |  |  |  |  |  |  |
| Long-term fixed-rate loans | $\$ 17,185,456$ | 95 | $\%$ | $\$ 990,200$ | 5 | $\%$ |
| Long-term variable-rate loans | 650,211 | 86 | 103,707 | 14 | 753,918 |  |
| Loans guaranteed by RUS | 201,863 | 100 | - | - | 201,863 |  |
| Line of credit loans | 311,103 | 23 | $1,024,385$ | 77 | $1,335,488$ |  |
| Total loans outstanding | $\$ 18,348,633$ | 90 | $\$ 2,118,292$ | 10 | $\$ 20,466,925$ |  |
|  |  |  |  |  |  |  |
| Company: | $\$ 17,313,990$ | 90 | $\%$ | $\$ 1,875,440$ | 10 | $\%$ |
| CFC | 429,626 | 96 | 19,920 | 4 | 449,546 |  |
| RTFC | 605,017 | 73 | 222,932 | 27 | 827,949 |  |
| NCSC | $\$ 18,348,633$ | 90 | $\$ 2,118,292$ | 10 | $\$ 20,466,925$ |  |

Allowance for Loan Losses

We maintain an allowance for loan losses at a level estimated by management to provide for probable losses inherent in the loan portfolio as of each balance sheet date. The tables below summarize changes, by company, in the allowance for loan losses as of and for the three and six months ended November 30, 2014 and 2013.

Three Months Ended November 30, 2014
(Dollars in thousands)
Balance as of August 31, 2014
Provision for loan losses
Recoveries
Balance as of November 30, 2014
(Dollars in thousands)
Balance as of August 31, 2013
Provision for loan losses
Charge-offs
Recoveries
Balance as of November 30, 2013
(Dollars in thousands)
Balance as of May 31, 2014
Provision for loan losses
Recoveries
Balance as of November 30, 2014

| CFC | RTFC $^{(1)}$ | NCSC $^{(1)}$ | Total |
| :--- | :--- | :--- | :--- |
| $\$ 40,461$ | $\$ 4,288$ | $\$ 4,962$ | $\$ 49,711$ |
| 670 | 739 | $(417$ | $) 992$ |
| 54 | - | - | 54 |
| $\$ 41,185$ | $\$ 5,027$ | $\$ 4,545$ | $\$ 50,757$ |

Three Months Ended November 30, 2013

| CFC | RTFC $^{(1)}$ | NCSC $^{(1)}$ | Total |
| :--- | :--- | :--- | :--- |
| $\$ 43,336$ | $\$ 8,497$ | $\$ 3,823$ | $\$ 55,656$ |
| $(627$ | $)$ | 968 | 755 |
| - | $(1,606$ | $)$ | 1,096 |
| 53 | - | - | $(1,606$ |
| $\$ 42,762$ | $\$ 7,859$ | $\$ 4,578$ | 53 |

Six Months Ended November 30, 2014

| CFC | RTFC $^{(1)}$ | NCSC $^{(1)}$ | Total |
| :--- | :--- | :--- | :--- |
| $\$ 45,600$ | $\$ 4,282$ | $\$ 6,547$ | $\$ 56,429$ |
| $(4,522$ | $)$ | 745 | $(2,002$ |
| 107 | - | - | $(5,779$ |
| $\$ 41,185$ | $\$ 5,027$ | $\$ 4,545$ | 107 |
|  |  | $\$ 50,757$ |  |

## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

(Dollars in thousands)
Balance as of May 31, 2013
Provision for loan losses
Charge-offs
Recoveries
Balance as of November 30, 2013

Six Months Ended November 30, 2013

| CFC | RTFC $^{(1)}$ | NCSC $^{(1)}$ | Total |
| :--- | :--- | :--- | :--- |
| $\$ 41,246$ | $\$ 9,158$ | $\$ 3,921$ | $\$ 54,325$ |
| 1,410 | 307 | 657 | 2,374 |
| - | $(1,606$ | - | $(1,606$ |
| 106 | - | - | 106 |
| $\$ 42,762$ | $\$ 7,859$ | $\$ 4,578$ | $\$ 55,199$ |

${ }^{(1)}$ The allowance for loan losses recorded for RTFC and NCSC are held at CFC.

Our allowance for loan losses consists of a specific allowance for loans individually evaluated for impairment and a general allowance for loans collectively evaluated for impairment. The tables below present, by company, the components of our allowance for loan losses and the recorded investment of the related loans as of November 30, 2014 and May 31, 2014.
(Dollars in thousands)
Ending balance of the allowance:
Collectively evaluated
Individually evaluated
Total ending balance of the allowance

November 30, 2014

| CFC | RTFC | NCSC | Total |
| :--- | :--- | :--- | :--- |
|  |  |  |  |
| $\$ 41,185$ | $\$ 3,671$ | $\$ 4,385$ | $\$ 49,241$ |
| - | 1,356 | 160 | 1,516 |
| $\$ 41,185$ | $\$ 5,027$ | $\$ 4,545$ | $\$ 50,757$ |

Recorded investment in loans:
Collectively evaluated
Individually evaluated
Total recorded investment in loans

Loans to members, net ${ }^{(1)}$

| $\$ 19,667,932$ | $\$ 426,953$ | $\$ 669,158$ | $\$ 20,764,043$ |
| :--- | :--- | :--- | :--- |
| 7,221 | 1,695 | 321 | 9,237 |
| $\$ 19,675,153$ | $\$ 428,648$ | $\$ 669,479$ | $\$ 20,773,280$ |
|  |  |  |  |
| $\$ 19,633,968$ | $\$ 423,621$ | $\$ 664,934$ | $\$ 20,722,523$ |

(Dollars in thousands)
Ending balance of the allowance:
Collectively evaluated
Individually evaluated
Total ending balance of the allowance

Recorded investment in loans:
Collectively evaluated
Individually evaluated
Total recorded investment in loans

Loans to members, net ${ }^{(1)}$
May 31, 2014

| CFC | RTFC | NCSC | Total |
| :--- | :--- | :--- | :--- |
|  |  |  |  |
| $\$ 45,600$ | $\$ 3,876$ | $\$ 6,527$ | $\$ 56,003$ |
| - | 406 | 20 | 426 |
| $\$ 45,600$ | $\$ 4,282$ | $\$ 6,547$ | $\$ 56,429$ |

[^8]
## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED) <br> Impaired Loans

Our recorded investment in individually-impaired loans, which consists of the unpaid principal balance, and the related specific valuation allowance, by member class, as of November 30, 2014 and May 31, 2014 are summarized below.

| (Dollars in thousands) | November 30, 2014 |  | May 31, 2014 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Recorded <br> Investment | Related | Recorded Investment | Related <br> Allowance |
| With no specific allowance recorded: |  |  |  |  |
| CFC/Distribution | \$7,221 | \$- | \$7,584 | \$- |
| With a specific allowance recorded: |  |  |  |  |
| NCSC | 321 | 160 | 400 | 20 |
| RTFC | 1,695 | 1,356 | 1,695 | 406 |
| Total | 2,016 | 1,516 | 2,095 | 426 |
| Total impaired loans | \$9,237 | \$1,516 | \$9,679 | \$426 |

The table below represents the average recorded investment in impaired loans and the interest income recognized, by member class, for the three and six months ended November 30, 2014 and 2013.

|  | Three Months Ended November 30, |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
|  | 2014 | 2013 | 2014 | 2013 |
| (Dollars in thousands) | Average Recorded Investment | Interest Income Recognized |  |  |
| CFC/Distribution | $\$ 7,221$ | $\$ 7,584$ | $\$-$ | $\$-$ |
| CFC/Power Supply | - | 5,000 | - | - |
| NCSC | 325 | - | 10 | - |
| RTFC | 1,695 | 7,295 | - | - |
| Total impaired loans | $\$ 9,241$ | $\$ 19,879$ | $\$ 10$ | $\$-$ |
|  | Six Months Ended November 30, |  |  |  |
|  | 2014 | 2013 | 2014 | 2013 |
| (Dollars in thousands) | Average Recorded Investment | Interest Income Recognized |  |  |
| CFC/Distribution | $\$ 7,403$ | $\$ 14,116$ | $\$-$ | $\$ 136$ |
| CFC/Power Supply | - | 5,000 | - | - |
| NCSC | 344 | - | 10 | - |
| RTFC | 1,695 | 8,838 | - | - |
| Total impaired loans | $\$ 9,442$ | $\$ 27,954$ | $\$ 10$ | $\$ 136$ |

Nonperforming and Restructured Loans
Nonperforming and restructured loans outstanding and unadvanced commitments to members are summarized as follows by loan type and by company as of November 30, 2014 and May 31, 2014.

## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

| (Dollars in thousands) | November 30, 2014 |  | May 31, 2014 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Loans <br> Outstanding | Unadvanced Commitments ${ }^{(1)}$ | Loans <br> Outstanding | Unadvanced Commitments ${ }^{(1)}$ |
| Nonperforming and restructured loans: |  |  |  |  |
| Nonperforming loans: |  |  |  |  |
| RTFC: |  |  |  |  |
| Long-term variable-rate loans | \$1,695 | \$- | \$1,695 | \$- |
| NCSC: |  |  |  |  |
| Line of credit loans | - | - | 400 | - |
| Total nonperforming loans | \$1,695 | \$- | \$2,095 | \$- |
| Restructured loans: |  |  |  |  |
| CFC: |  |  |  |  |
| Long-term fixed-rate loans | \$7,221 | \$- | \$7,584 | \$- |
| NCSC: |  |  |  |  |
| Line of credit loans | 321 | - | - | - |
| Total restructured loans | \$7,542 | \$- | \$7,584 | \$- |

${ }^{(1)}$ The interest rate on unadvanced commitments is not set until drawn; therefore, the long-term unadvanced loan commitments have been classified in this table as variable-rate unadvanced commitments. However, at the time of the advance, the borrower may select a fixed or a variable rate on the new loan.

The following table shows foregone interest income as a result of holding loans on nonaccrual status for the three and six months ended November 30, 2014 and 2013.

|  | Three Months Ended November |  | Six Months Ended November 30, |  |
| :--- | :--- | :--- | :--- | :--- |
| (Dollars in thousands) | 30, |  | 2014 | 2013 |
| Nonperforming loans | 2014 | 2013 | $\$ 51$ | $\$ 321$ |
| Restructured loans | $\$ 25$ | $\$ 142$ | 264 | 244 |
| Total | 127 | 122 | $\$ 315$ | $\$ 565$ |

As of November 30, 2014 and May 31, 2014, nonperforming loans totaled $\$ 2$ million, or $0.01 \%$, of loans outstanding. One borrower in this group is currently seeking a buyer for its system, as it is not anticipated that it will have sufficient cash flow to repay its loans without the proceeds from the sale of the business. We currently anticipate that even with the sale of the business, there will not be sufficient funds to repay the full amount owed to us. We have approval rights with respect to the sale of this company.

As of November 30, 2014 and May 31, 2014, we had restructured loans totaling $\$ 8$ million, or $0.04 \%$, of loans outstanding, all of which were performing according to their restructured terms. Interest income recognized on restructured loans was less than $\$ 1$ million during the three and six months ended November 30, 2014, and also less than $\$ 1$ million during the same prior-year periods.

We believe our allowance for loan losses was appropriate to cover the losses inherent in our loan portfolio as of November 30, 2014.

## Pledging of Loans and Loans on Deposit

We are required to pledge eligible mortgage notes in an amount at least equal to the outstanding balance of our secured debt.

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## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

The following table summarizes our loans outstanding as collateral pledged to secure our collateral trust bonds, Clean Renewable Energy Bonds and notes payable to Farmer Mac and the amount of the corresponding debt outstanding (see "Note 5—Short-Term Debt and Credit Arrangements" and "Note 6—Long-Term Debt") as of November 30, 2014 and May 31, 2014.
(Dollars in thousands)
Collateral trust bonds:
2007 indenture:

| Distribution system mortgage notes | $\$ 6,144,439$ | $\$ 5,987,767$ |
| :--- | :--- | :--- |
| RUS guaranteed loans qualifying as permitted investments | 159,051 | 161,372 |
| Total pledged collateral | $\$ 6,303,490$ | $\$ 6,149,139$ |
| Collateral trust bonds outstanding | $5,697,711$ | $5,397,711$ |
|  |  |  |
| 1994 indenture: | $\$ 967,604$ | $\$ 1,005,058$ |
| Distribution system mortgage notes | 855,000 | 860,000 |
| Collateral trust bonds outstanding |  | $\$ 1,953,003$ |
| Farmer Mac: | $1,527,643$ | $1,667,505$ |
| Distribution and power supply system mortgage notes |  | $\$ 207$ |
| Notes payable outstanding | $\$ 20,329$ | $\$ 21,398$ |
| Clean Renewable Energy Bonds Series 2009A: | $\$ 21,427$ | 520 |
| Distribution and power supply system mortgage notes | 18,230 | $\$ 21,918$ |
| Cash |  | 18,230 |

We are required to maintain collateral on deposit in an amount at least equal to the balance of debt outstanding to the Federal Financing Bank of the United States Treasury issued under the Guaranteed Underwriter Program of the USDA (the "Guaranteed Underwriter Program"). See "Note 5-Short-Term Debt and Credit Arrangements" and "Note 6-Long-Term Debt."

The following table shows the collateral on deposit and the amount of the corresponding debt outstanding as of November 30, 2014 and May 31, 2014.
(Dollars in thousands)
Federal Financing Bank:
Distribution and power supply system mortgage notes on deposit
November 30, 2014 May 31, 2014

Notes payable outstanding

| $\$ 4,876,247$ | $\$ 5,076,428$ |
| :--- | :--- |
| $4,291,500$ | $4,299,000$ |

## NOTE 4—FORECLOSED ASSETS

Assets received in satisfaction of loan receivables are initially recorded at fair value less estimated costs to sell when received and are subsequently periodically evaluated for impairment. These assets are reported on our condensed consolidated balance sheets as foreclosed assets. Our foreclosed assets are held through CAH and DRP, which are wholly-owned subsidiaries of CFC.

## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

## Foreclosed Asset Activity

Foreclosed asset activity as of and for the six months ended November 30, 2014 is summarized below. Six Months Ended November 30, 2014
(Dollars in thousands)
Balance as of beginning of period
Results of operations
Impairment
Results of operations of foreclosed assets
Net cash investments
Balance as of end of period

| CAH | DRP | Total |  |
| :--- | :--- | :--- | :--- |
| $\$ 239,119$ | $\$ 6,532$ | $\$ 245,651$ |  |
| $(4,438$ | $)$ | $(249$ | $)$ |
| $(27,003$ | $)$ | - | $(4,687$ |
| $(31,441$ | $)$ | $(249$ | $)$ |
| 2,246 | $(3,000$ | $)$ | $(31,690$ |
| $\$ 209,924$ | $\$ 3,283$ | $\$ 213,207$ |  |

## CAH

We recorded an initial investment in CAH of $\$ 254$ million upon the completion of transfer of control of the U.S. Virgin Islands, British Virgin Islands and St. Maarten-based operating businesses of Innovative Communication Corporation ("ICC") to CAH in October 2010 and March 2011.

Our strategic plan since the transfer of the foreclosed assets of ICC to CAH has been to upgrade and sell the operating businesses of CAH. Since acquisition, we have made additional investments in CAH for capital expenditures to upgrade and modernize the hardware, software and network infrastructure of the existing operations in order to retain existing subscribers and attract new subscribers. Our carrying value of CAH was $\$ 239$ million as of May 31,2014 , consisting of the initial recorded investment of $\$ 254$ million, our subsequent net investments of $\$ 75$ million, cumulative operating losses of $\$ 44$ million and cumulative non-cash impairment charges of $\$ 46$ million, including \$1 million in fiscal year 2014 and \$45 million in fiscal year 2012.

CAH continues to work on its planned technology and infrastructure upgrades and its marketing of the enhanced services that will be available to CAH's customer base following the completion of the upgrades. However, during the quarter ending November 30, 2014, CAH encountered issues with certain elements of the construction of the new network and service delivery technology, which required remediation and delayed the acceptance testing of network upgrades and product enhancements. CAH has experienced less than expected subscriber growth, revenue growth and lower than anticipated customer migration rates to the new network and internet services. In addition, the economic recovery in the area has lagged improvements in the overall U.S. recovery and is slower than previously expected. After taking these multiple factors into consideration, we concluded that a triggering event had occurred requiring us to conduct an interim impairment test to evaluate certain CAH tangible and intangible assets for impairment and assess whether the estimated fair value of CAH was less than our carrying value. As a result of the aforementioned events, CAH cash flow forecasts utilized in the interim impairment test were lowered to reflect reduced revenues. To assess goodwill impairment, we estimated the fair value of CAH based on a market approach and an income approach (discounted cash flow method), both of which require significant judgment. In applying these approaches, we relied on a number of factors, including actual operating results, an updated cash flow forecast based on the developments during the quarter and future business plans, revised economic projections and market data. We also considered recent transaction activity and market multiples for the telecommunications industry.

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Based on the above analysis, we recognized impairment on certain identifiable intangible assets and goodwill of \$27 million. The impairment charge is included in our condensed consolidated statements of operations as a component of results of operations of foreclosed assets. The decrease in CAH's carrying value to $\$ 210$ million as of November 30, 2014, from $\$ 239$ million as of May 31, 2014 was attributable to the impairment charge recorded in the current quarter and the operating losses of $\$ 4$ million recorded during the six months ended November 30, 2014. The impairment charge contributed to a decrease in CAH's total assets, which consisted primarily of property, plant and equipment and goodwill and other intangible assets, to $\$ 267$ million as of November 30, 2014, from $\$ 295$ million as of May 31, 2014. CAH had total liabilities of $\$ 242$ million and $\$ 236$ million as of November 30, 2014 and May 31, 2014, respectively, and net equity of $\$ 25$ million and $\$ 59$ million,

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## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

respectively. CAH's total liabilities included loans and interest payable to CFC , which are eliminated in consolidation, of $\$ 185$ million and $\$ 180$ million as of November 30, 2014 and May 31, 2014, respectively.

CAH is nearing the completion of its program to update its network infrastructure. CAH is actively transitioning customers to the new infrastructure and marketing the enhanced services to current and new customers. Our intent is to sell CAH; however, it is difficult to predict the level of interest from potential buyers and we can provide no certainty as to whether or when a disposition transaction will be completed or the amount of any sales proceeds that may be realized from such a transaction. It is also uncertain as to whether we will be able to sell all of the CAH operating businesses in a single transaction, or if the businesses will be sold to multiple buyers.

## DRP

DRP had losses from the results of operations of less than $\$ 1$ million for the six months ended November 30, 2014 and 2013. Our carrying value of DRP decreased to $\$ 3$ million as of November 30, 2014, from $\$ 7$ million as of May 31, 2014. The decrease was due to the sale of DRP's interest in bond reimbursement receivables for which we received proceeds of approximately $\$ 2$ million. We have entered into a contract to sell DRP's remaining interest in real estate properties. We expect the sale, which would dispose of our DRP holdings, to be completed by March 2015.

## NOTE 5-SHORT-TERM DEBT AND CREDIT ARRANGEMENTS

The following is a summary of short-term debt outstanding as of November 30, 2014 and May 31, 2014.
(Dollars in thousands)
Short-term debt:
Commercial paper sold through dealers, net of discounts (1)
Commercial paper sold directly to members, at par ${ }^{(1)}$
Commercial paper sold directly to non-members, at par ${ }^{(1)}$
Select notes
Daily liquidity fund notes
Bank bid notes
Medium-term notes sold to members
Total short-term debt

November 30, 2014 May 31, 2014
\$2,040,851 \$1,973,557
720,176 838,074
21,371 20,315
634,851 548,610
586,592 486,501

- 20,000

218,563 212,274
$\$ 4,222,404 \quad \$ 4,099,331$
${ }^{(1)}$ Backup liquidity is provided by our revolving credit agreements.

As indicated in "Note 1—Summary of Significant Accounting Policies," effective August 31, 2014, we began classifying debt as either short-term or long-term based on the original contractual maturity at issuance. For reporting periods prior to August 31, 2014, we reported long-term debt maturing within one year as part of our short-term debt. The amount reclassified from short-term debt to long-term debt as of May 31, 2014 was $\$ 1,300$ million.

## Revolving Credit Agreements

As of November 30, 2014 and May 31, 2014, we had $\$ 3,420$ million and $\$ 3,226$ million, respectively, of commitments under revolving credit agreements. We had the ability to request up to $\$ 150$ million of letters of credit under each agreement in place as of November 30, 2014, which would then reduce the amount available under the facility. The following table presents the total available and the outstanding letters of credit under our revolving credit

|  | Total Available |  | Letters of Credit Outstanding |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Dollars in thousands) | November 3 $2014$ | $\begin{aligned} & \text { May 31, } \\ & 2014 \end{aligned}$ | Novemb 2014 | $\begin{aligned} & \text {,May 31, } \\ & 2014 \end{aligned}$ | Maturity | Annual <br> Facility Fee <br> (1) |
| Three-year agreement | \$1,720,000 | \$- | \$- | \$- | October 28, 2017 | 7.5 basis points |
| Five-year agreement | 1,698,109 | - | 1,891 | - | October 28, 2019 | 10 basis points |
| Three-year agreement | - | 1,036,000 | - | - | October 28, 2016 | 10 basis points |
| Four-year agreement | - | 1,122,500 | - | - | October 28, 2017 | 10 basis points |
| Five-year agreement | - | 1,065,609 | - | 1,891 | October 28, 2018 | 10 basis points |
| Total | \$3,418,109 | \$3,224,109 | \$ 1,891 | \$ 1,891 |  |  |

${ }^{(1)}$ Facility fee determined by CFC's senior unsecured credit ratings based on the pricing schedules put in place at the inception of the related agreement.

On October 28, 2014, we amended the $\$ 1,123$ million four-year and $\$ 1,068$ million five-year revolving credit agreements to increase the total aggregate amount of commitments under the four-year and five-year agreements to $\$ 1,720$ million and $\$ 1,700$ million, respectively, and to extend the commitment termination date for the five-year agreement to October 28, 2019. Also, on October 28, 2014, we terminated the existing $\$ 1,036$ million three-year revolving credit agreement which was scheduled to mature on October 28, 2016.

The following represents our required and actual financial ratios under the revolving credit agreements as of November 30, 2014 and May 31, 2014.

| Minimum average adjusted TIER over the six most recent fiscal | 1.025 | 1.24 | 1.28 |
| :--- | :--- | :--- | :--- |
| quarters $^{(1)}$ |  | 1.05 | 1.23 |
| Minimum adjusted TIER for the most recent fiscal year ${ }^{(1)}(2)$ | 10.00 | 5.93 | 1.23 |
| Maximum ratio of adjusted senior debt to total equity ${ }^{(1)}$ | 5.79 |  |  |

${ }^{(1)}$ In addition to the adjustments made to the leverage ratio set forth in "Item 7. MD\&A—Non-GAAP Financial Measures," senior debt excludes guarantees to member systems that have certain investment-grade ratings by Moody's Investors Service ("Moody's") and Standard \& Poor's Corporation ("S\&P"). The TIER and debt-to-equity calculations include the adjustments set forth in "Item 7. MD\&A—Non-GAAP Financial Measures" and exclude the results of operations and other comprehensive income for CAH .
${ }^{(2)} \mathrm{We}$ must meet this requirement to retire patronage capital.

As of November 30, 2014 and May 31, 2014, we were in compliance with all covenants and conditions under our revolving credit agreements and there were no borrowings outstanding under these agreements.

## NOTE 6-LONG-TERM DEBT

The following is a summary of long-term debt outstanding as of November 30, 2014 and May 31, 2014.

## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

(Dollars in thousands)
Unsecured long-term debt:
Medium-term notes sold through dealers
Medium-term notes sold to members
Subtotal medium-term notes
Unamortized discount
Total unsecured medium-term notes
Guaranteed Underwriter Program notes payable
Other unsecured notes payable
Subtotal unsecured notes payable
Unamortized discount
Total unsecured notes payable
Total unsecured long-term debt
Secured long-term debt:
Collateral trust bonds
Unamortized discount
Total collateral trust bonds
Farmer Mac notes payable
Other secured notes payable
Total secured notes payable
Total secured long-term debt
Total long-term debt

November 30, 2014 May 31, 2014

| $\$ 2,293,995$ | $\$ 2,228,459$ |
| :--- | :--- |
| 392,847 | 285,988 |
| $2,686,842$ | $2,514,447$ |
| $(413$ | $(418$ |
| $2,686,429$ | $2,514,029$ |
| $4,291,500$ | $4,299,000$ |
| 35,075 | 35,075 |
| $4,326,575$ | $4,334,075$ |
| $(694$ | $(770$ |
| $4,325,881$ | $4,333,305$ |
| $7,012,310$ | $6,847,334$ |
|  |  |
| $6,552,711$ | $6,257,711$ |
| $(273,972$ | $(277,496$ |
| $6,278,739$ | $5,980,215$ |
| $1,527,643$ | $1,667,505$ |
| 18,230 | 18,230 |
| $1,545,873$ | $1,685,735$ |
| $7,824,612$ | $7,665,950$ |
| $\$ 14,836,922$ | $\$ 14,513,284$ |

392,847
2,686,842
(413
2,686,429

35,075
4,326,575
(694
4,325,881

6,552,711
(273,972

1,527,643
18,230

7,824,612
\$ 14,836,922

In November 2014, we issued $\$ 300$ million of $2.30 \%$ collateral trust bonds due 2019.
As of November 30, 2014 and May 31, 2014, we had unsecured notes payable totaling \$4,292 million and \$4,299 million, respectively, outstanding under bond purchase agreements with the Federal Financing Bank ("FFB") and a bond guarantee agreement with RUS issued under the Guaranteed Underwriter Program, which provides guarantees to the FFB. We pay RUS a fee of 30 basis points per year on the total amount borrowed. As of November 30, 2014, $\$ 4,292$ million of unsecured notes payable outstanding under the Guaranteed Underwriter Program require us to place mortgage notes on deposit in an amount at least equal to the principal balance of the notes outstanding. See "Note 3 -Loans and Commitments" for additional information on the mortgage notes held on deposit and the triggering events that result in these mortgage notes becoming pledged as collateral. On November 18, 2014, we closed on a commitment from RUS to guarantee a loan from the FFB for additional funding of $\$ 250$ million as part of the Guaranteed Underwriter Program. As a result, we will have an additional $\$ 250$ million available under FFB loan facilities with a 20-year maturity repayment period for advances made through October 15, 2017. As of November 30, 2014, we had up to $\$ 874$ million available under committed loan facilities from the Federal Financing Bank as part of this program. We are required to maintain collateral on deposit in an amount at least equal to the balance of debt outstanding to the FFB under this program.

As of November 30, 2014 and May 31, 2014, secured notes payable include $\$ 1,528$ million and $\$ 1,668$ million, respectively, in debt outstanding to Federal Agricultural Mortgage Corporation ("Farmer Mac") under a note purchase agreement totaling $\$ 3,900$ million. Under the terms of the note purchase agreement in place as of November 30, 2014, we could borrow up to $\$ 3,900$ million at any time through January 11, 2016, and thereafter automatically extend the agreement on each anniversary date of the closing for an additional year, unless prior to any such anniversary date,

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Farmer Mac provided CFC with a notice that the draw period would not be extended beyond the remaining term. In October 2014, we borrowed $\$ 80$ million under the note purchase agreement with the Farmer Mac.

Subsequent to November 30, 2014, we issued $\$ 200$ million in notes payable in December 2014 under the Farmer Mac note purchase agreement. On January 8, 2015, the commitment amount under the Farmer Mac note purchase agreement was increased by $\$ 600$ million to $\$ 4,500$ million, and the draw period was extended by four years to January 11, 2020.

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## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

The agreement with Farmer Mac is a revolving credit facility that allows us to borrow, repay and re-borrow funds at any time through maturity or from time to time as market conditions permit, provided that the principal amount at any time outstanding under the note purchase agreement is not more than the total available under the agreement. We are required to pledge eligible distribution system or power supply system loans as collateral in an amount at least equal to the total principal amount of notes outstanding under the agreement. See "Note 3-Loans and Commitments" for additional information on the collateral pledged to secure notes payable under these programs.
NOTE 7-SUBORDINATED DEFERRABLE DEBT
We had $\$ 400$ million of $4.75 \%$ outstanding subordinated deferrable debt, due in 2043, as of both November 30, 2014 and May 31, 2014. Our outstanding subordinated deferrable debt is callable at par on or after April 30, 2023.

## NOTE 8—DERIVATIVE FINANCIAL INSTRUMENTS

## Use of Derivatives

We are an end user of derivative financial instruments and do not engage in derivative trading. We use derivatives, primarily interest rate swaps and treasury rate locks, to manage interest rate risk. Derivatives may be privately negotiated contracts, which are often referred to as over-the-counter ("OTC") derivatives, or they may be listed and traded on an exchange. We generally engage in OTC derivative transactions.

## Accounting for Derivatives

In accordance with the accounting standards for derivatives and hedging activities, we record derivative instruments at fair value as either a derivative asset or derivative liability on our condensed consolidated balance sheets. We report derivative asset and liability amounts on a gross basis based on individual contracts, which does not take into consideration the effects of master netting agreements or collateral netting. Derivatives in a gain position are reported as derivative assets on our condensed consolidated balance sheets, while derivatives in a loss position are reported as derivative liabilities. Accrued interest related to derivatives is reported on our condensed consolidated balance sheets as a component of either accrued interest and other receivables or accrued interest payable.

If we do not elect hedge accounting treatment, changes in the fair value of derivative instruments, which consist of periodic derivative cash settlements and derivative forward value amounts, are recognized in our consolidated statements of operations under derivative gains (losses), net. If we elect hedge accounting treatment for derivatives, we formally document, designate and assess the effectiveness of the hedge relationship. Changes in the fair value of derivatives designated as qualifying fair value hedges are recorded in earnings together with offsetting changes in the fair value of the hedged item and any related ineffectiveness. Changes in the fair value of derivatives designated as qualifying cash flow hedges are recorded as a component of other comprehensive income ("OCI"), to the extent that the hedge relationships are effective, and reclassified from accumulated other comprehensive income ("AOCl") to earnings using the effective interest method over the term of the forecasted transaction. Any ineffectiveness in the hedging relationship is recognized as a component of derivative gains (losses), net in our consolidated statement of operations.

We generally do not designate interest rate swaps, which represent the substantial majority of our derivatives, for hedge accounting. Accordingly, changes in the fair value of interest rate swaps are reported in our consolidated

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statements of operations under derivative gains (losses), net. Cash settlements related to interest rate swaps are classified as an operating activity in our consolidated statements of cash flows.

We typically designate treasury rate locks as cash flow hedges of forecasted debt issuances. Accordingly, changes in the fair value of the derivative instruments are recorded as a component of OCI and reclassified to interest expense when the forecasted transaction occurs using the effective interest method. Any ineffectiveness in the hedging relationship is recognized

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## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

as a component of derivative gains (losses), net in our consolidated statements of operations. We did not have any derivatives designated as accounting hedges as of November 30, 2014 or May 31, 2014.

Outstanding Notional Amount of Derivatives
The notional amount provides an indication of the volume of our derivatives activity, but this amount is not recorded on our condensed consolidated balance sheets. The notional amount is used only as the basis on which interest payments are determined and is not the amount exchanged. The following table shows the outstanding notional amounts and the weighted-average rate paid and received for our interest rate swaps, by type, as of November 30, 2014 and May 31, 2014. The substantial majority of our interest rate exchange agreements use an index based on the London Interbank Offered Rate ("LIBOR") for either the pay or receive leg of the swap agreement.


Impact of Derivatives on Condensed Consolidated Balance Sheets

The following table displays the fair value of the derivative assets and derivative liabilities recorded on our condensed consolidated balance sheets and the related outstanding notional amount of our interest rate swaps as of November 30, 2014 and May 31, 2014.
(Dollars in thousands)
Derivative assets
Derivative liabilities
Total

November 30, 2014
$\left.\begin{array}{llll}\text { Fair Value } & \text { Notional Balance } & \text { Fair Value } & \text { Notional Balance } \\ \$ 139,377 & \$ 3,294,493 & \$ 209,759 & \$ 3,817,593 \\ (400,687 & ) & 5,271,742 & (388,208 \\ \$(261,310 & ) & \$ 8,566,235 & \$(178,449\end{array}\right) \$ 4,629,216$

In addition to the notional amount of swaps shown above, we had $\$ 50$ million outstanding notional amount of forward starting swaps with an effective date of December 1, 2014. As of November 30, 2014, these forward starting swaps had a fair value of $\$ 2$ million that is included in derivative liabilities on our condensed consolidated balance sheet. There were no cash settlements or accrued amounts related to these forward starting swaps as of November 30, 2014, as the effective date was subsequent to November 30, 2014.

All of our master swap agreements include legally enforceable netting provisions that allow for offsetting of all contracts with a given counterparty in the event of default by one of the two parties. However, as indicated above, we report derivative asset and liability amounts on a gross basis based on individual contracts. The following table presents the gross fair value of derivative assets and liabilities reported on our condensed consolidated balance sheets as of November 30, 2014 and May 31, 2014, and provides information on the impact of netting provisions and collateral pledged.
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## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

| (Dollars in thousands) | Gross |  | Net Amounts |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Amounts | Gross | of Assets/ | Gross Amounts Not Offset in the |  |  |
|  |  |  | Liabilities | Balance She |  |  |
|  | Recognized Assets/ | Balance | Presented in the | Financial | Cash <br> Collateral | Net |
|  | Liabilities |  | Balance Sheet |  | Pledged |  |
| Derivative assets: |  |  |  |  |  |  |
| Interest rate swaps | \$139,377 | \$- | \$139,377 | \$137,508 | \$- | \$ 1,869 |
| Derivative liabilities: |  |  |  |  |  |  |
| Interest rate swaps | 400,687 | - | 400,687 | 137,508 | - | 263,179 |
|  | May 31, 2014 |  |  |  |  |  |
|  | Gross |  | Net Amounts of Assets/ | Gross Amounts |  |  |
|  | Amounts |  |  | Not Offset in the |  |  |
|  | of | Amounts | Liabilities | Balance Sheet |  |  |
|  | Recognized |  | Presented |  |  |  |
| (Dollars in thousands) | Assets/ Liabilities |  | in the Balance Sheet | Financial Instruments | Collateral | Amount |
| Derivative assets: |  |  |  |  |  |  |
| Interest rate swaps | \$209,759 | \$- | \$209,759 | \$ 169,700 | \$- | \$40,059 |
| Derivative liabilities: |  |  |  |  |  |  |
| Interest rate swaps | 388,208 | - | 388,208 | 169,700 | - | 218,508 |

Impact of Derivatives on Condensed Consolidated Statements of Operations
Derivative gains (losses), net reported in our condensed consolidated statements of operations consist of derivative cash settlements and derivative forward value. Derivative cash settlements represent net contractual interest expense accruals on interest rate swaps during the period. The derivative forward value represents the change in fair value of our interest rate swaps during the reporting period due to changes in the estimate of future interest rates over the remaining life of our derivative contracts.

The following table presents the components of the derivative gains (losses), net reported in our condensed consolidated statements of operations for our interest rate swaps for the three and six months ended November 30, 2014 and 2013.
(Dollars in thousands)
Derivative cash settlements
Derivative forward value
Derivative gains (losses), net

| Three Months Ended November30, |  |  |  | Six Months Ended November |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 30, |  |  |
| 2014 |  | 2013 |  | 2014 |  | 2013 |
| \$ 21,764 | ) | \$(19,471 |  | \$ 41,865 | ) | \$ $(36,156$ |
| (52,797 |  | (11,309 |  | (82,574 | ) | 111,760 |
| \$(74,561 |  | \$(30,780 |  | \$(124,439 |  | \$75,604 |

Impact of Derivative Rating Triggers

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The majority of our interest rate swap agreements have credit risk-related contingent features referred to as rating triggers. Under these rating triggers, if the credit rating for either counterparty falls to the level specified in the agreement, the other counterparty may, but is not obligated to, terminate the agreement.

On December 12, 2014, S\&P announced a downgrade on the senior secured debt of CFC from A+ to A based on the ratings criteria titled "Issue Credit Rating Methodology for Nonbank Financial Institutions and Nonbank Financial Service Companies," published on December 9, 2014. Specifically, S\&P applied the revised ratings criteria to rate CFC's senior secured debt at the same level as CFC's issuer credit rating. S\&P also announced that it has changed CFC's issuer credit rating outlook from "stable" to "negative" based on its revised ratings criteria titled "Nonbank Financial Institutions Rating

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## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

Methodology," published on December 9, 2014. The change only affects our senior secured debt credit rating; our corporate and short-term credit ratings remained unchanged. The change did not result in a rating trigger event under the provisions of our derivative transaction agreements. On November 24, 2014, Moody's reaffirmed CFC's existing senior secured debt, senior unsecured debt, subordinated debt and short-term credit ratings with a stable outlook. There have been no changes of CFC's ratings by Moody's since November 24, 2014.

The table below displays the notional amounts of our derivative contracts with rating triggers as of November 30, 2014 and the payments that would be required if the contracts were terminated as of that date because of a downgrade of our senior unsecured credit ratings to or below Baa1/BBB+ or Baa3/BBB- by Moody's or S\&P, respectively. In calculating the payment amounts that would be required upon termination of the derivative contracts, we assumed that the amounts for each counterparty would be netted in accordance with the provisions of the master netting agreements for each counterparty. The net payment amounts are based on the fair value of the underlying derivative instrument, excluding the credit risk valuation adjustment, plus any unpaid accrued interest amounts.

| (Dollars in thousands) | Notional <br> Amount | Payment <br> Required by <br> CFC | Payment Due to <br> CFC | Net <br> (Payable) <br> Due |
| :--- | :--- | :--- | :--- | :--- |
| Impact of mutual rating downgrade trigger:  $\$ 4,431,017$ $\$(174,883$ $)$ <br> falls below Baa1/BBB+ $\$ 210$ $\$(174,673)$   <br> falls to Baa3/BBB- $1,680,595$ - 3,575 3,575 <br> falls below Baa3/BBB- 601,345 $(21,663$ $)$ $(21,663$, <br> Total $\$ 6,712,957$ $\$(196,546$ $)$ $\$ 3,785$ | $\$(192,761)$ |  |  |  |

The aggregate amount, including the credit risk valuation adjustment, of all interest rate swaps with rating triggers that were in a net liability position was $\$ 198$ million as of November 30, 2014, while the aggregate amount, including the credit risk valuation adjustment, of all interest rate swaps with rating triggers that were in a net asset position was $\$ 2$ million as of November 30, 2014.
NOTE 9—EQUITY
In May 2014, the CFC Board of Directors authorized the allocation of $\$ 1$ million of fiscal year 2014 net earnings to the Cooperative Educational Fund. In July 2014, the CFC Board of Directors authorized the allocation of the fiscal year 2014 net earnings as follows: $\$ 75$ million to the members' capital reserve and $\$ 79$ million to members in the form of patronage. In July 2014, the CFC Board of Directors authorized the retirement of allocated net earnings totaling $\$ 40$ million, representing $50 \%$ of the fiscal year 2014 allocation. This amount was returned to members in cash in September 2014. Future allocations and retirements of net earnings may be made annually as determined by the CFC Board of Directors with due regard for its financial condition. The CFC Board of Directors has the authority to change the current practice for allocating and retiring net earnings at any time, subject to applicable laws and regulations. NOTE 10-GUARANTEES

The following table summarizes total guarantees by type of guarantee and member class as of November 30, 2014 and May 31, 2014.

## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

(Dollars in thousands)
Total by type:
Long-term tax-exempt bonds
Letters of credit
Other guarantees
Total

November 30, 2014
\$498,995
367,837
114,596
\$981,428
\$ 169,716
744,145
5,264
919,125
2,465
59,838
\$981,428

May 31, 2014
\$518,360
431,064
115,398
\$ 1,064,822

Total by member class:
CFC:
Distribution
Power supply
Statewide and associate
CFC total
RTFC
NCSC
Total
\$ 165,559
826,231
5,397
997,187
2,304
65,331
\$1,064,822

The maturities for the long-term tax-exempt bonds and the related guarantees run through calendar year 2042. Amounts in the table represent the outstanding principal amount of the guaranteed bonds. As of November 30, 2014, our maximum potential exposure for the $\$ 72$ million of fixed-rate tax-exempt bonds is $\$ 103$ million, representing principal and interest. Of the amounts shown in the table above for long-term tax-exempt bonds, $\$ 427$ million and $\$ 445$ million as of November 30, 2014 and May 31, 2014, respectively, are adjustable or floating-rate bonds that may be converted to a fixed rate as specified in the applicable indenture for each bond offering. We are unable to determine the maximum amount of interest that we could be required to pay related to the remaining adjustable and floating-rate bonds. Many of these bonds have a call provision that in the event of a default allow us to trigger the call provision. This would limit our exposure to future interest payments on these bonds. Our maximum potential exposure is secured by a mortgage lien on all of the system's assets and future revenue. If the debt is accelerated because of a determination that the interest thereon is not tax-exempt, the system's obligation to reimburse us for any guarantee payments will be treated as a long-term loan.

The maturities for letters of credit run through calendar year 2024. The amounts shown in the table above represent our maximum potential exposure, of which $\$ 82$ million is secured as of November 30, 2014. As of November 30, 2014 and May 31, 2014, the letters of credit include $\$ 76$ million and $\$ 125$ million, respectively, to provide the standby liquidity for adjustable and floating-rate tax-exempt bonds issued for the benefit of our members, respectively. Security provisions include a mortgage lien on substantially all of the system's assets, future revenue and the system's investment in our commercial paper.

In addition to the letters of credit listed in the table, under master letter of credit facilities in place as of November 30, 2014, we may be required to issue up to an additional $\$ 121$ million in letters of credit to third parties for the benefit of our members. As of November 30, 2014, all of our master letter of credit facilities were subject to material adverse change clauses at the time of issuance. Also, as of November 30, 2014 we had hybrid letter of credit facilities totaling $\$ 1,741$ million that represent commitments that may be used for the issuance of letters of credit or line of credit loan advances, at the option of a borrower, and are included in unadvanced loan commitments for line of credit loans reported in "Note 3-Loans and Commitments." Hybrid letter of credit facilities subject to material adverse change

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clauses at the time of issuance totaled $\$ 415$ million as of November 30, 2014. Prior to issuing a letter of credit, we would confirm that there has been no material adverse change in the business or condition, financial or otherwise, of the borrower since the time the loan was approved and confirm that the borrower is currently in compliance with the letter of credit terms and conditions. The remaining commitment under hybrid letter of credit facilities of $\$ 1,326$ million may be used for the issuance of letters of credit as long as the borrower is in compliance with the terms and conditions of the facility.

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## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

The maturities for other guarantees listed in the table run through calendar year 2025. The maximum potential exposure for these other guarantees is $\$ 115$ million, all of which is unsecured.

As of November 30, 2014 and May 31, 2014, we had $\$ 400$ million and $\$ 418$ million of guarantees, respectively, representing $41 \%$ and $39 \%$, respectively, of total guarantees, under which our right of recovery from our members was not secured.

In addition to the guarantees described above, as of November 30, 2014, we were the liquidity provider for a total of $\$ 503$ million of variable-rate tax-exempt bonds issued for our member cooperatives. While the bonds are in variable-rate mode, in return for a fee, we have unconditionally agreed to purchase bonds tendered or put for redemption if the remarketing agents are unable to sell such bonds to other investors. During the six months ended November 30, 2014, we were not required to perform as liquidity provider pursuant to these obligations.

## Guarantee Liability

As of November 30, 2014 and May 31, 2014, we recorded a guarantee liability of $\$ 21$ million and $\$ 22$ million, respectively, which represents the contingent and non-contingent exposures related to guarantees and liquidity obligations associated with our members' debt. The contingent guarantee liability as of November 30, 2014 and May 31, 2014 was $\$ 2$ million based on management's estimate of exposure to losses within the guarantee portfolio. The remaining balance of the total guarantee liability of $\$ 19$ million and $\$ 20$ million as of November 30, 2014 and May 31,2014 , respectively, relates to our non-contingent obligation to stand ready to perform over the term of our guarantees and liquidity obligations that we have entered into or modified since January 1, 2003.

Activity in the guarantee liability account is summarized below as of and for the six months ended November 30, 2014.
(Dollars in thousands)
Beginning balance
Net change in non-contingent liability
Provision for contingent guarantee liability
Ending balance

Liability as a percentage of total guarantees

Six Months Ended November 30, 2014
\$22,091
(1,450
)
(80
\$20,561
2.10

## NOTE 11—FAIR VALUE MEASUREMENTS

Fair Value

Assets and liabilities measured at fair value on either a recurring or non-recurring basis on the condensed consolidated balance sheets as of November 30, 2014 and May 31, 2014 consisted of investments in common and preferred stock, derivative instruments and nonperforming collateral-dependent loans.

Assets and Liabilities Measured at Fair Value on a Recurring Basis

Assets and liabilities measured at fair value on a recurring basis as of November 30, 2014 and May 31, 2014 consisted of our derivative instruments, investments in common and preferred stock and deferred compensation investments. The following table presents our assets and liabilities that are measured at fair value on a recurring basis as of November 30, 2014 and May 31, 2014.

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## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

(Dollars in thousands)
Derivative assets
Derivative liabilities
Investments in common and preferred stock
Deferred compensation investments

| November | 30, |
| :--- | :--- |
| Level 1 | Level 2 |
| $\$-$ | $\$ 139,377$ |
| - | 400,687 |
| 83,779 | - |
| 4,486 | - |

May 31, 2014
Level 1 Level 2
\$— \$209,759
-
55,177
4,156

388,208
$\qquad$

## Derivative Instruments

We account for derivative instruments in the condensed consolidated balance sheets as either an asset or liability measured at fair value. There is not an active secondary market for the types of interest rate swaps we use. Our process to estimate the fair value of our derivative instruments involves multiple steps including consideration of indicative quotes from counterparties and use of a discounted cash flow model. We obtain indicative quotes from the interest rate swap counterparties to estimate fair value on a quarterly basis. The indicative quotes are based on the expected future cash flow and the estimated yield curve.

We perform analysis to validate the indicative quotes obtained from our swap counterparties and investigate any significant differences. We adjust the market values received from the counterparties using credit default swap levels for us and the counterparties. The credit default swap levels represent the credit risk premium required by a market participant based on the available information related to us and the counterparty. We only enter into swap agreements with counterparties that are participating in our revolving lines of credit at the time the exchange agreements are executed. All of our swap agreements are subject to master netting agreements.

Our valuation technique for interest rate swaps is based on discounted cash flows and we utilize observable inputs, which reflect market data. To calculate fair value, we determine the forward curve. The forward curve allows us to determine the projected floating rate cash flows and the discount factors needed to calculate the net present value of each interest payment. The significant observable inputs for our derivatives include spot LIBOR rates, Eurodollar futures contracts, and market swap rates.

Fair values for our interest rate swaps are classified as a Level 2 valuation. We record the change in the fair value of our derivatives for each reporting period in the derivative gains (losses) line, included in non-interest income in the consolidated statements of operations, as currently none of our derivatives qualify for hedge accounting.

Investments in Preferred and Common Stock

Our investments in equity securities consist of investments in Farmer Mac Series A, Series B and Series C preferred stock and Class A common stock, which are recorded in the condensed consolidated balance sheets at fair value. We determine the fair value of these investments based on the quoted price on the stock exchange where the stock is traded. That stock exchange is an active market based on the volume of shares transacted. Fair values for these securities are classified as a Level 1 valuation. For the three and six months ended November 30, 2014, we recorded an unrealized gain of $\$ 1$ million and $\$ 4$ million, respectively, in accumulated other comprehensive income, compared to an unrealized loss of $\$ 1$ million and $\$ 5$ million, respectively, for the same prior-year periods.

Deferred Compensation Investments

Deferred compensation investments are recorded in the condensed consolidated balance sheets in the other assets category at fair value. We calculate fair value based on the quoted price on the stock exchange where the funds are traded. That stock exchange is an active market based on the volume of shares transacted. The amounts are invested in highly liquid indices and mutual funds and are classified within Level 1 of the fair value hierarchy.

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## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

## Assets and Liabilities Measured at Fair Value on a Non-recurring Basis

We may be required, from time to time, to measure certain assets at fair value on a non-recurring basis in accordance with GAAP. Any adjustments to fair value usually result from application of lower-of-cost or fair value accounting or write-downs of individual assets. Assets measured at fair value on a non-recurring basis as of November 30, 2014 and May 31, 2014 consisted of certain nonperforming collateral-dependent loans. The fair value of these assets is determined based on the use of significant unobservable inputs, which are considered Level 3 in the fair value hierarchy.

## Nonperforming Collateral-Dependent Loans

As of November 30, 2014 and May 31, 2014, we measured certain collateral-dependent nonperforming loans at fair value. We utilize the fair value of the collateral underlying the loan to determine the specific allowance for loan loss. In estimating the fair value of the collateral, we may use third-party valuation specialists, internal estimates or a combination of both. The valuation technique used to determine fair value of the nonperforming loans provided by both our internal staff and third-party specialists includes market multiples (i.e., comparable companies). The significant unobservable input used in the determination of fair value for the specific nonperforming loans is a multiple of earnings before interest, taxes, depreciation and amortization of 3.5 x as of May 31, 2014. The material inputs used in estimating fair value by both internal staff and third-party specialists are Level 3 within the fair value hierarchy. In these instances, the valuation is considered to be a non-recurring item. The significant unobservable inputs for estimating the fair value of nonperforming collateral-dependent loans are obtained from third-party specialists and reviewed by our Credit Risk Management group to assess the reasonableness of the assumptions used and the accuracy of the work performed. In cases where we rely on third-party inputs, we use the final unadjusted third-party valuation analysis as support for any financial statement adjustments and disclosures to the financial statements.

Because of the balance of nonperforming collateral-dependent loans, we do not believe that changes in the significant unobservable inputs used in the determination of the fair value will have a material impact on the fair value measurement of these assets or our results of operations. The following table displays the carrying value and fair value of these loans as of November 30, 2014 and May 31, 2014 and the total losses for the three and six months ended November 30, 2014 and 2013.

|  | Level 3 Fair Value |  | Total Losses For The Three Months Ended November 30, |  |  | Total Losses For The Six Months Ended November 30, |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| (Dollars in thousands) | November 30, 2014 | $\begin{aligned} & \text { May 31, } \\ & 2014 \end{aligned}$ | 2014 |  | 2013 | 2014 |  | 2013 |
| Nonperforming loans, net of specific reserves | \$339 | \$ 1,669 | \$(724 | ) | \$- | \$(950 | ) | \$ |

## NOTE 12—FAIR VALUE OF FINANCIAL INSTRUMENTS

The carrying and fair values of our financial instruments as of November 30, 2014 and May 31, 2014 are presented below.

## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

| (Dollars in thousands) | November 30, 2014 |  | Fair Value Measurements Using |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Carrying <br> Value | Fair Value | Level 1 | Level 2 | Level 3 |
| Assets: |  |  |  |  |  |
| Cash and cash equivalents | \$512,501 | \$512,501 | \$512,501 | \$- | \$- |
| Restricted cash | 1,532 | 1,532 | 1,532 | - | - |
| Investments | 83,779 | 83,779 | 83,779 | - | - |
| Time deposits | 495,000 | 495,000 | - | 495,000 | - |
| Deferred compensation investments | 4,486 | 4,486 | 4,486 | - | - |
| Loans to members, net | 20,732,229 | 21,338,380 | - | - | 21,338,380 |
| Debt service reserve funds | 25,602 | 25,602 | 25,602 | - | - |
| Derivative instruments | 139,377 | 139,377 | - | 139,377 | - |
| Liabilities: |  |  |  |  |  |
| Short-term debt | 4,222,404 | 4,222,522 | 2,627,592 | 1,594,930 | - |
| Long-term debt | 14,836,922 | 16,030,115 | - | 10,022,733 | 6,007,382 |
| Guarantee liability | 20,561 | 23,290 | - | - | 23,290 |
| Derivative instruments | 400,687 | 400,687 | - | 400,687 | - |
| Subordinated deferrable debt | 400,000 | 398,400 | - | 398,400 | - |
| Members' subordinated certificates | 1,550,840 | 1,550,840 | - | - | 1,550,840 |
|  | May 31, 201 |  | Fair Value | asurements U |  |
| (Dollars in thousands) | Carrying <br> Value | Fair Value | Level 1 | Level 2 | Level 3 |
| Assets: |  |  |  |  |  |
| Cash and cash equivalents | \$338,715 | \$338,715 | \$338,715 | \$- | \$- |
| Restricted cash | 520 | 520 | 520 | - | - |
| Investments | 55,177 | 55,177 | 55,177 | - | - |
| Time deposits | 550,000 | 550,000 | - | 550,000 | - |
| Deferred compensation investments | 4,156 | 4,156 | 4,156 | - | - |
| Loans to members, net | 20,420,213 | 21,000,687 | - | - | 21,000,687 |
| Debt service reserve funds | 39,353 | 39,353 | 39,353 | - | - |
| Derivative instruments | 209,759 | 209,759 | - | 209,759 | - |
| Liabilities: |  |  |  |  |  |
| Short-term debt | 4,099,331 | 4,099,534 | 2,480,166 | 1,619,368 | - |
| Long-term debt | 14,513,284 | 15,738,970 | - | 9,618,645 | 6,120,325 |
| Guarantee liability | 22,091 | 24,946 | - | - | 24,946 |
| Derivative instruments | 388,208 | 388,208 | - | 388,208 | - |
| Subordinated deferrable debt | 400,000 | 385,744 | - | 385,744 | - |
| Members' subordinated certificates | 1,612,227 | 1,612,227 | - | - | 1,612,227 |

We consider observable prices in the principal market in our valuations where possible. Fair value estimates were developed at the reporting date and may not necessarily be indicative of amounts that could ultimately be realized in a market transaction at a future date. There were no transfers between levels of the fair value hierarchy during the six

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## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

With the exception of redeeming debt under early redemption provisions, terminating derivative instruments under early termination provisions and allowing borrowers to prepay their loans, we held and intend to hold all financial instruments to maturity excluding common stock and preferred stock investments that have no stated maturity. Below is a summary of significant methodologies used in estimating fair value amounts as of November 30, 2014 and May 31, 2014.

Cash and Cash Equivalents
Cash and cash equivalents include cash and certificates of deposit with original maturities of less than 90 days. Cash and cash equivalents are valued at the carrying value, which approximates fair value.

Restricted Cash
Restricted cash consists of cash and cash equivalents for which use is contractually restricted. The carrying value of restricted cash approximates fair value.

## Investments

Our investments consist of Farmer Mac Series A, Series B and Series C preferred stock and Class A common stock. These securities are classified as available-for-sale and reported at fair value in our condensed consolidated balance sheets. We determine the fair value based on quoted prices on the stock exchange where the stock is traded. That stock exchange is an active market based on the volume of shares transacted.

## Time Deposits

Time deposits with financial institutions in interest-bearing accounts have maturities of less than one year as of the reporting date and are valued at the carrying value, which approximates fair value.

Deferred Compensation Investments
CFC offers a nonqualified 457 (b) deferred compensation plan to highly compensated employees. Such amounts deferred by employees are invested by the company. The deferred compensation investments are recorded in the condensed consolidated balance sheets in the other assets category at fair value. We calculate fair value based on the quoted price on the stock exchange where the funds are traded. That stock exchange is an active market based on the volume of shares transacted. The amounts are invested in highly liquid indices and mutual funds.

## Loans to Members, Net

As part of receiving a loan from us, our members have additional requirements and rights that are not typical of other financial institutions, such as the ability to receive a patronage capital allocation, the general requirement to purchase subordinated certificates or member capital securities to meet their capital contribution requirements as a condition of obtaining additional credit from us, the option to select fixed rates from one year to maturity with the fixed rate resetting or repricing at the end of each selected rate term, the ability to convert from a fixed rate to another fixed rate or the variable rate at any time, and certain interest rate discounts that are specific to the borrower's activity with us. These features make it difficult to obtain market data for similar loans. Therefore, we must use other methods to estimate the fair value.

Fair values for fixed-rate loans are estimated using a discounted cash flow technique by discounting the expected future cash flows using the current rates at which we would make similar loans to new borrowers for the same remaining maturities. The maturity date used in the fair value calculation of loans with a fixed rate for a selected rate

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term is the next repricing date since these borrowers must reprice their loans at various times throughout the life of the loan at the current market rate.

Loans with different risk characteristics, specifically nonperforming and restructured loans, are valued by using collateral valuations or by adjusting cash flows for credit risk and discounting those cash flows using the current rates at which similar loans would be made by us to borrowers for the same remaining maturities. See "Note 11-Fair Value Measurement" for more details about how we calculate the fair value of certain nonperforming loans.

The carrying value of our variable-rate loans adjusted for credit risk approximates fair value since variable-rate loans are eligible to be reset at least monthly.

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## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

## Debt Service Reserve Funds

Debt service reserve funds represent cash and/or investments on deposit with the bond trustee for tax-exempt bonds that we guarantee. Debt service reserve fund investments are comprised of actively traded tax exempt municipal bonds and commercial paper. Carrying value is considered to be equal to fair value.

## Short-Term Debt

Short-term debt consists of commercial paper, select notes, bank bid notes, daily liquidity fund notes and medium-term notes. The fair value of short-term debt with maturities less than or equal to 90 days is carrying value, which is a reasonable estimate of fair value. The fair value of short-term debt with maturities greater than 90 days is estimated based on discounted cash flows and quoted market rates for debt with similar maturities. Short-term debt classified within Level 1 of the fair value hierarchy is comprised of dealer commercial paper, bank bid notes and daily liquidity fund notes. Short-term debt classified within Level 2 of the fair value hierarchy is comprised of member commercial paper, non-member commercial paper and select notes, and is determined based on discounted cash flows using discount rates consistent with current market rates for similar products with similar remaining terms.

Short-term debt classified within Level 2 also includes our medium-term notes with an original maturity equal to or less than one year. The fair value of short-term medium-term notes classified within Level 2 of the fair value hierarchy was determined based on discounted cash flows using a pricing model that incorporates available market information such as indicative benchmark yields and credit spread assumptions that are provided by third-party pricing services such as our banks that underwrite our other debt transactions.

## Long-Term Debt

Long-term debt consists of collateral trust bonds, medium-term notes and long-term notes payable. We issue substantially all collateral trust bonds and some medium-term notes in underwritten public transactions. Collateral trust bonds and medium-term notes are classified within Level 2 of the fair value hierarchy. The fair value of long-term debt classified within Level 2 of the fair value hierarchy was determined based on discounted cash flows. There is no active secondary trading for the underwritten collateral trust bonds and medium-term notes; therefore, dealer quotes and recent market prices are both used in estimating fair value. There is essentially no secondary market for the medium-term notes issued to our members or in transactions that are not underwritten; therefore, fair value is estimated based on observable benchmark yields and spreads for similar instruments supplied by banks that underwrite our other debt transactions.

The long-term notes payable are issued in private placement transactions and there is no secondary trading of such debt. Long-term notes payable are classified within Level 3 of the fair value hierarchy. The fair value was determined based on discounted cash flows using benchmark yields and spreads for similar instruments supplied by underwriter quotes for similar instruments, if available. Secondary trading quotes for our debt instruments used in the determination of fair value incorporate our credit risk.

## Guarantees

The fair value of our guarantee liability is based on the fair value of our contingent and non-contingent exposure related to our guarantees. The fair value of our contingent exposure for guarantees is based on management's estimate of our exposure to losses within the guarantee portfolio using a discounted cash flow method. The fair value of our non-contingent exposure for guarantees issued is estimated based on the total unamortized balance of guarantee fees
paid and guarantee fees to be paid discounted at our current short-term funding rate, which represents management's estimate of the fair value of our obligation to stand ready to perform.

## Subordinated Deferrable Debt

Subordinated deferrable debt outstanding was issued in an underwritten public transaction. There is no active secondary trading for this subordinated deferrable debt; therefore, dealer quotes and recent market prices are both used in estimating fair value based on a discounted cash flow method.

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## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

Members' Subordinated Certificates
Members' subordinated certificates include (i) membership subordinated certificates issued to our members, (ii) loan and guarantee subordinated certificates issued as a condition of obtaining loan funds or guarantees and (iii) member capital securities issued as voluntary investments by our members. All members' subordinated certificates are non-transferable other than among members with CFC's consent and there is no ready market from which to obtain fair value quotes. These certificates are valued at par.

Derivative Instruments
We report derivative instruments at fair value as either an asset or liability in our condensed consolidated balance sheets. Because there is not an active secondary market for the types of interest rate swaps we use, we obtain indicative quotes from the interest rate swap counterparties to estimate fair value on a quarterly basis. The indicative quotes are based on the expected future cash flow and estimated yield curves. We adjust the market values received from the counterparties using credit default swap levels for us and the counterparties. The credit default swap levels represent the credit risk premium required by a market participant based on the available information related to us and the counterparty.

Commitments
The fair value of our commitments is estimated based on the carrying value, or zero. Extensions of credit under these commitments, if exercised, would result in loans priced at market rates.

See "Note 11—Fair Value Measurement" for additional information on assets and liabilities reported at fair value on a recurring and non-recurring basis on our condensed consolidated balance sheets.

## NOTE 13—SEGMENT INFORMATION

The following tables display segment results for the three and six months ended November 30, 2014 and 2013, and assets attributable to each segment as of November 30, 2014 and 2013.

## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

| (Dollars in thousands) | CFC |  | Other |  | Elimination |  | Consolidated Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Statement of operations: |  |  |  |  |  |  |  |
| Interest income | \$232,168 |  | \$11,328 |  | \$(8,261 | ) | \$235,235 |
| Interest expense | (157,918 | ) | (8,618 | ) | 8,261 |  | (158,275 |
| Net interest income | 74,250 |  | 2,710 |  | - |  | 76,960 |
| Provision for loan losses | (992 | ) | - |  | - |  | (992 |
| Net interest income after provision for loan losses | 73,258 |  | 2,710 |  | - |  | 75,968 |
| Non-interest income: |  |  |  |  |  |  |  |
| Fee and other income | 9,646 |  | 1,369 |  | (1,143 | ) | 9,872 |
| Derivative losses, net | (73,061 | ) | (1,500 | ) | - |  | (74,561 |
| Results of operations of foreclosed assets | (28,991 | ) | - |  | - |  | (28,991 |
| Total non-interest income | (92,406 | ) | (131 | ) | (1,143 | ) | (93,680 |
| Non-interest expense: |  |  |  |  |  |  |  |
| General and administrative expenses | (16,553 | ) | (1,940 | ) | 256 |  | (18,237 |
| Provision for guarantee liability | 13 |  | - |  | - |  | 13 |
| Other | (17 | ) | (887 | ) | 887 |  | (17 |
| Total non-interest expense | (16,557 | ) | (2,827 | ) | 1,143 |  | (18,241 |
| Loss before income taxes | (35,705 | ) | (248 | ) | - |  | (35,953 |
| Income tax benefit | - |  | 41 |  | - |  | 41 |
| Net loss | \$(35,705 | ) | \$(207 | ) | \$- |  | \$(35,912 |

## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

| (Dollars in thousands) | CFC |  | Other |  | Elimination |  | Consolidated Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Statement of operations: |  |  |  |  |  |  |  |
| Interest income | \$235,505 |  | \$12,582 |  | \$ 8,833 | ) | \$239,254 |
| Interest expense | (164,980 | ) | (9,198 | ) | 8,833 |  | (165,345 |
| Net interest income | 70,525 |  | 3,384 |  | - |  | 73,909 |
| Provision for loan losses | (1,096 | ) | - |  | - |  | (1,096 |
| Net interest income after provision for loan losses | 69,429 |  | 3,384 |  | - |  | 72,813 |
| Non-interest income: |  |  |  |  |  |  |  |
| Fee and other income | 4,163 |  | 342 |  | 620 |  | 5,125 |
| Derivative losses, net | (29,232 | ) | (1,548 | ) | - |  | (30,780 |
| Results of operations of foreclosed assets | (3,269 | ) | - |  | - |  | (3,269 |
| Total non-interest income | (28,338 | ) | (1,206 | ) | 620 |  | (28,924 |
| Non-interest expense: |  |  |  |  |  |  |  |
| General and administrative expenses | (15,942 | ) | (2,011 | ) | (620 | ) | (18,573 |
| Provision for guarantee liability | (73 | ) | - |  | - |  | (73 |
| Other | (151 | ) | 1 |  | - |  | (150 |
| Total non-interest expense | (16,166 | ) | (2,010 | ) | (620 | ) | (18,796 |
| Income before income taxes | 24,925 |  | 168 |  | - |  | 25,093 |
| Income tax expense | - |  | (101 | ) | - |  | (101 |
| Net income | \$24,925 |  | \$67 |  | \$- |  | \$24,992 |

## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

(Dollars in thousands)
Statement of operations:
Interest income
Interest expense
Net interest income
Provision for loan losses
Net interest income after provision for loan losses
Non-interest income:

Derivative losses, net
Results of operations of foreclosed assets
Total non-interest income
Non-interest expense:
General and administrative expenses
Provision for guarantee liability
Other
Total non-interest expense
Income before income taxes
Income tax expense
Net income

Assets:
Total loans outstanding
Deferred origination costs
Less: Allowance for loan losses
Loans to members, net
Other assets
Total assets

Six Months Ended November 30, 2014

| CFC |  | Other |  | Elimination |  | Consolidated Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$466,308 |  | \$23,135 |  | \$(16,917 | ) | \$472,526 |
| (314,146 | ) | (17,598 | ) | 16,917 |  | (314,827 |
| 152,162 |  | 5,537 |  | - |  | 157,699 |
| 5,779 |  | - |  | - |  | 5,779 |
| 157,941 |  | 5,537 |  | - |  | 163,478 |
| 13,872 |  | 1,731 |  | (1,374 | ) | 14,229 |
| (122,232 | ) | (2,207 | ) | - |  | (124,439 |
| (31,690 | ) | - |  | - |  | (31,690 |
| (140,050 | ) | (476 | ) | (1,374 | ) | (141,900 |
| (33,252 | ) | (4,015 | ) | 487 |  | (36,780 |
| 80 |  | - |  | - |  | 80 |
| (23 | ) | (887 | ) | 887 |  | (23 |
| (33,195 | ) | (4,902 | ) | 1,374 |  | (36,723 |
| (15,304 | ) | 159 |  | - |  | (15,145 |
| - |  | (155 | ) | - |  | (155 |
| \$(15,304 | ) | \$4 |  | \$- |  | \$(15,300 |


| $\$ 20,739,565$ | $\$ 1,098,127$ | $\$(1,064,412)$ | $\$ 20,773,280$ |
| :--- | :--- | :--- | :--- |
| 9,706 | - | - | 9,706 |
| $(50,757$ | - | - | $(50,757$ |
| $20,698,514$ | $1,098,127$ | $(1,064,412$ | $20,732,229$ |
| $1,818,603$ | 137,686 | $(115,415$ | $1,840,874$ |
| $\$ 22,517,117$ | $\$ 1,235,813$ | $\$(1,179,827)$ | $\$ 22,573,103$ |

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## NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)

(Dollars in thousands)
Statement of operations:
Interest income
Interest expense
Net interest income
Provision for loan losses
Net interest income after provision for loan losses
Non-interest income:

Fee and other income
Derivative gains, net
Results of operations of foreclosed assets
Total non-interest income
Non-interest expense:
General and administrative expenses
Provision for guarantee liability
Other
Total non-interest expense
Income before income taxes
Income tax expense
Net income

Assets:
Total loans outstanding
Deferred origination costs
Less: Allowance for loan losses
Loans to members, net
Other assets
Total assets

Six Months Ended November 30, 2013

| CFC |  | Other |  | Elimination |  | Consolidated Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| \$472,831 |  | \$25,345 |  | \$ 17,851 | ) | \$480,325 |  |
| (332,200 | ) | (18,581 | ) | 17,851 |  | (332,930 | ) |
| 140,631 |  | 6,764 |  | - |  | 147,395 |  |
| (2,374 | ) | - |  | - |  | (2,374 | ) |
| 138,257 |  | 6,764 |  | - |  | 145,021 |  |
| 8,187 |  | 694 |  | 400 |  | 9,281 |  |
| 74,351 |  | 1,253 |  | - |  | 75,604 |  |
| (7,318 | ) | - |  | - |  | (7,318 | ) |
| 75,220 |  | 1,947 |  | 400 |  | 77,567 |  |
| (32,663 | ) | $(4,125$ | ) | (400 | ) | $(37,188$ | ) |
| (42 | ) | - |  | - |  | (42 | ) |
| (299 | ) | 1 |  | - |  | (298 | ) |
| (33,004 | ) | $(4,124$ | ) | (400 | ) | (37,528 | ) |
| 180,473 |  | 4,587 |  | - |  | 185,060 |  |
| - |  | (1,802 | ) | - |  | (1,802 | ) |
| \$ 180,473 |  | \$2,785 |  | \$- |  | \$ 183,258 |  |


| $\$ 20,342,560$ | $\$ 1,199,116$ | $\$(1,163,246)$ | $\$ 20,378,430$ |  |
| :--- | :--- | :--- | :--- | :--- |
| 9,790 | - | - | 9,790 |  |
| $(55,199$ | - | - | $(55,199$ |  |
| $20,297,151$ | $1,199,116$ | $(1,163,246$ | $)$ | $20,333,021$ |
| $2,079,206$ | 140,738 | $(121,601$ | $2,098,343$ |  |
| $\$ 22,376,357$ | $\$ 1,339,854$ | $\$(1,284,847)$ | $\$ 22,431,364$ |  |

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Item 3. Quantitative and Qualitative Disclosures About Market Risk
For quantitative and qualitative disclosures about market risk, see "Part I—Item 2. MD\&A—Market Risk" and "Note 8-Derivatives."

## Item 4. Controls and Procedures

As of the end of the period covered by this report, senior management, including the Chief Executive Officer and Chief Financial Officer, evaluated the effectiveness of our disclosure controls and procedures as defined in Rules 13a-15(e) and 15d-15(e) of the Securities Exchange Act of 1934. Based on this evaluation process, the Chief Executive Officer and Chief Financial Officer concluded that our disclosure controls and procedures are effective. There were no changes in our internal control over financial reporting that occurred during the three months ended November 30, 2014 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

## PART II—OTHER INFORMATION

Item 1. Legal Proceedings
From time to time, CFC is subject to certain legal proceedings and claims in the ordinary course of business, including litigation with borrowers related to enforcement or collection actions. In such cases, the borrower or others may assert counterclaims or initiate actions against us. Management presently believes that the ultimate outcome of these proceedings, individually and in the aggregate, will not materially harm our financial position, liquidity, or results of operations. CFC establishes reserves for specific legal matters when it determines that the likelihood of an unfavorable outcome is probable and the loss is reasonably estimable. Accordingly, no reserve has been recorded with respect to any legal proceedings at this time. Related to the Innovative Communication Corporation ("ICC") bankruptcy proceedings, ICC's former indirect majority shareholder and former chairman, and related parties, have asserted claims against CFC and certain of its officers and directors and other parties in various proceedings and forums. CFC has successfully defended these claims, certain of which are now on appeal.

Item 1A. Risk Factors
Refer to "Part I— Item 1A. Risk Factors" in our 2014 Form 10-K for information regarding factors that could affect our results of operations, financial condition and liquidity. We are not aware of any material changes in the risk factors set forth under "Part I- Item 1A. Risk Factors" in our 2014 Form 10-K.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds
Not applicable.
Item 3. Defaults Upon Senior Securities
Not applicable.
Item 4. Mine Safety Disclosures
Not applicable.

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Item 5. Other Information
On January 8, 2015, we entered into an amended and restated first supplemental note purchase agreement with the Federal Agricultural Mortgage Corporation to (i) increase the total aggregate commitment under our existing note purchase agreement from $\$ 3,900$ million to $\$ 4,500$ million and (ii) extend the draw period by four years to January 11 , 2020 from January 11, 2016.

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Item 6. Exhibits
The following exhibits are incorporated by reference or filed as part of this Report.

## EXHIBIT INDEX

| hibit No. | Description |
| :---: | :---: |
| 10.1* | _ Series H Bond Purchase Agreement between the Registrant, Federal Financing Bank and Rural Utilities Service dated as of November 18, 2014 for up to $\$ 250,000,000$ |
| 10.2* | - Supplement No. 2 to Amended, Restated and Consolidated Bond Guarantee Agreement dated as of November 18, 2014 between the Registrant and the Rural Utilities Service |
| 10.3* | - Series H Future Advance Bond from the Registrant to the Federal Financing Bank dated as of November 18, 2014 for up to $\$ 250,000,000$ maturing on October 15, 2034 |
| 10.4* | _ Amendment No. 3 dated October 28, 2014 to the Revolving Credit Agreement dated October 21, <br> - 2011 originally expiring on October 21, 2015 |
| 10.5* | _ Amendment No. 3 dated October 28, 2014 to the Revolving Credit Agreement dated October 21, <br> - 2011 originally expiring on October 21, 2016 |
| 10.6* | - <br> Amended and Restated First Supplemental Note Purchase Agreement dated January 8, 2015, between the Registrant and Federal Agricultural Mortgage Corporation |
| 12* | - Computations of Ratio of Earnings to Fixed Charges |
| 31.1* | - Certification of the Chief Executive Officer required by Section 302 of the Sarbanes-Oxley Act of |
| 31.2* | - Certification of the Chief Financial Officer required by Section 302 of the Sarbanes-Oxley Act of |
| $32.1 \dagger$ | - Certification of the Chief Executive Officer required by Section 906 of the Sarbanes-Oxley Act of |
| $32.2 \dagger$ | Certification of the Chief Financial Officer required by Section 906 of the Sarbanes-Oxley Act of 2002 |
| 101.INS* | - XBRL Instance Document |
| 101.SCH* | - XBRL Taxonomy Extension Schema Document |
| 101.CAL* | - XBRL Taxonomy Calculation Linkbase Document |
| 101.LAB* | - XBRL Taxonomy Label Linkbase Document |
| 101.PRE* | XBRL Taxonomy Presentation Linkbase Document |
| 101.DEF* | XBRL Taxonomy Definition Linkbase Document |

[^9]$\dagger$ Indicates a document that is furnished with this Report, which shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, or otherwise subject to the liability of that Section.

## SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

# NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORPORATION 

Date: January 14, 2015

By: /s/ J. ANDREW DON<br>J. Andrew Don<br>Senior Vice President and Chief Financial Officer

By: /s/ ROBERT E. GEIER
Robert E. Geier
Controller (Principal Accounting Officer)


[^0]:    ${ }^{(1)}$ Primarily related to conversion fees, which are deferred and recognized in interest income over the interest rate pricing term of the original loan using the effective interest method. Also includes a small portion of conversion fees, which are intended to cover the administrative costs related to the conversion and are recognized into income immediately at conversion.

[^1]:    ${ }^{(1)}$ Includes loans classified as restructured and nonperforming. Excludes deferred loan origination costs of $\$ 10$ million as of November 30, 2014 and May 31, 2014.

[^2]:    ${ }^{(1)}$ Includes variable-rate debt that has been swapped to a fixed rate net of any fixed-rate debt that has been swapped to a variable rate.

[^3]:    ${ }^{(1)}$ Represents amount related to facilities that are not subject to material adverse change clauses.
    ${ }^{(2)}$ Represents amount related to facilities that are subject to material adverse change clauses.

[^4]:    ${ }^{(1)}$ The ratio calculation includes the adjustments made to the leverage ratio under "Non-GAAP Financial Measures," with the exception of the adjustments to exclude the non-cash impact of derivative financial instruments and adjustments from total liabilities and total equity.

[^5]:    ${ }^{(1)}$ Represents collateral on deposit as a percentage of the related debt outstanding.
    ${ }^{(2)}$ All pledge agreements previously entered into with RUS and U.S. Bank National Association were consolidated into one amended, restated and consolidated pledge agreement in December 2012.

[^6]:    ${ }^{(1)}$ Calculated based on total liabilities and guarantees at period end divided by total equity at period end.
    ${ }^{(2)}$ Calculated based on adjusted total liabilities and guarantees at period end divided by adjusted total equity at period end, such calculation is presented in Table 27 above.
    ${ }^{(3)}$ Calculated based on total liabilities at period end divided by total equity at period end.
    ${ }^{(4)}$ Calculated based on adjusted total liabilities at period end divided by adjusted total equity at period end, such calculation is presented in Table 27 above.

[^7]:    ${ }^{(1)}$ The interest rate on unadvanced commitments is not set until drawn; therefore, the long-term unadvanced loan commitments have been classified in this table as variable-rate unadvanced commitments. However, at the time of the advance, the borrower may select a fixed or a variable rate on the new loan.

[^8]:    ${ }^{(1)}$ Excludes deferred origination costs of $\$ 10$ million as of November 30, 2014 and May 31, 2014.

[^9]:    *Indicates a document being filed with this Report.

