
NON-GAAP FINANCIAL MEASURES

As discussed above in the section “Summary of Selected Financial Data,” in addition to financial measures determined in accordance with U.S. GAAP, management evaluates performance based on certain non-GAAP measures, which we refer to as “adjusted” measures. Below we provide a reconciliation of our adjusted measures presented in this Report to the most comparable U.S. GAAP measures. See “Item 7. MD&A—Non-GAAP Measures” in our 2021 Form 10-K for a discussion of each of our non-GAAP measures and an explanation of the adjustments to derive these measures.

Net Income and Adjusted Net Income

Table 27 provides a reconciliation of adjusted interest expense, adjusted net interest income, adjusted total revenue and adjusted net income to the comparable U.S. GAAP measures for the three months ended August 31, 2021 and 2020. These adjusted measures are used in the calculation of our adjusted net interest yield and adjusted TIER.

Table 27: Adjusted Net Income

(Dollars in thousands)	Three Months Ended August 31,	
	2021	2020
Adjusted net interest income:		
Interest income	\$ 283,268	\$ 279,584
Interest expense	(174,777)	(179,976)
Include: Derivative cash settlements interest expense ⁽¹⁾	(27,563)	(26,972)
Adjusted interest expense	(202,340)	(206,948)
Adjusted net interest income	<u>\$ 80,928</u>	<u>\$ 72,636</u>
Adjusted total revenue:		
Net interest income	\$ 108,491	\$ 99,608
Fee and other income	3,941	3,516
Total revenue	112,432	103,124
Include: Derivative cash settlements interest expense ⁽¹⁾	(27,563)	(26,972)
Adjusted total revenue	<u>\$ 84,869</u>	<u>\$ 76,152</u>
Adjusted net income:		
Net income (loss)	\$ (90,332)	\$ 144,587
Exclude: Derivative forward value gains (losses) ⁽²⁾	(144,600)	87,248
Adjusted net income	<u>\$ 54,268</u>	<u>\$ 57,339</u>

⁽¹⁾Represents the net periodic contractual interest expense amount on our interest-rate swaps during the reporting period.

⁽²⁾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.

We primarily fund our loan portfolio through the issuance of debt. However, we use derivatives as economic hedges as part of our strategy to manage the interest rate risk associated with funding our loan portfolio. We therefore consider the interest expense incurred on our derivatives to be part of funding cost in addition to the interest expense on our debt. As such, we add net periodic derivative cash settlements interest expense amounts to our reported interest expense to derive our adjusted interest expense and adjusted net interest income. We exclude unrealized derivative forward value gains and losses from our adjusted total revenue and adjusted net income.

TIER and Adjusted TIER

Table 28 displays the calculation of our TIER and adjusted TIER for the three months ended August 31, 2021 and 2020.

Table 28: TIER and Adjusted TIER

	Three Months Ended August 31,	
	2021	2020
TIER ⁽¹⁾	0.48	1.80
Adjusted TIER ⁽²⁾	1.27	1.28

⁽¹⁾ TIER is calculated based on our net income (loss) plus interest expense for the period divided by interest expense for the period.

⁽²⁾ Adjusted TIER is calculated based on adjusted net income (loss) plus adjusted interest expense for the period divided by adjusted interest expense for the period.

Liabilities and Equity and Adjusted Liabilities and Equity

Table 29 provides a reconciliation between our total liabilities and total equity and the adjusted amounts used in the calculation of our adjusted debt-to-equity ratio as of August 31, 2021 and May 31, 2021. As indicated in Table 29, subordinated debt is treated in the same manner as equity in calculating our adjusted-debt-to-equity ratio.

Table 29: Adjusted Liabilities and Equity

(Dollars in thousands)	August 31, 2021	May 31, 2021
Adjusted total liabilities:		
Total liabilities	\$ 28,837,527	\$ 28,238,484
Exclude:		
Derivative liabilities	718,921	584,989
Debt used to fund loans guaranteed by RUS	137,170	139,136
Subordinated deferrable debt	986,364	986,315
Subordinated certificates	1,253,906	1,254,660
Adjusted total liabilities	\$ 25,741,166	\$ 25,273,384
Adjusted total equity:		
Total equity	\$ 1,254,220	\$ 1,399,879
Exclude:		
Prior fiscal year-end cumulative derivative forward value losses ⁽¹⁾	(467,036)	(1,088,982)
Year-to-date derivative forward value gains (losses) ⁽¹⁾	(144,600)	621,946
Period-end cumulative derivative forward value losses ⁽¹⁾	(611,636)	(467,036)
Accumulated other comprehensive income attributable to derivatives ⁽²⁾	1,621	1,718
Subtotal	(610,015)	(465,318)
Include:		
Subordinated deferrable debt	986,364	986,315
Subordinated certificates	1,253,906	1,254,660
Subtotal	2,240,270	2,240,975
Adjusted total equity	\$ 4,104,505	\$ 4,106,172

⁽¹⁾ Represents consolidated total derivative forward value gains (losses).

⁽²⁾ Represents the AOCI amount related to derivatives. See “Note 10—Equity” for the additional components of AOCI.

Debt-to-Equity and Adjusted Debt-to-Equity Ratios

Table 30 displays the calculations of our debt-to-equity and adjusted debt-to-equity ratios as of August 31, 2021 and May 31, 2021.

Table 30: Debt-to-Equity Ratio and Adjusted Debt-to-Equity Ratio

(Dollars in thousands)	August 31, 2021	May 31, 2021
Debt-to equity ratio:		
Total liabilities	\$ 28,837,527	\$ 28,238,484
Total equity	1,254,220	1,399,879
Debt-to-equity ratio ⁽¹⁾	<u>22.99</u>	<u>20.17</u>
Adjusted debt-to-equity ratio:		
Adjusted total liabilities ⁽²⁾	\$ 25,741,166	\$ 25,273,384
Adjusted total equity ⁽²⁾	4,104,505	4,106,172
Adjusted debt-to-equity ratio ⁽³⁾	<u>6.27</u>	<u>6.15</u>

⁽¹⁾ Calculated based on total liabilities at period end divided by total equity at period end.

⁽²⁾ See Table 29 above for details on the calculation of these non-GAAP adjusted measures and the reconciliation to the most comparable U.S. GAAP measures.

⁽³⁾ Calculated based on adjusted total liabilities at period end divided by adjusted total equity at period end.

Total CFC Equity and Members' Equity

Members' equity excludes the noncash impact of derivative forward value gains (losses) and foreign currency adjustments recorded in net income and amounts recorded in accumulated other comprehensive income. Because these amounts generally have not been realized, they are not available to members and are excluded by the CFC Board of Directors in determining the annual allocation of adjusted net income to patronage capital, to the members' capital reserve and to other member funds. Table 31 provides a reconciliation of members' equity to total CFC equity as of August 31, 2021 and May 31, 2021. We present the components of accumulated other comprehensive income in "Note 10—Equity."

Table 31: Members' Equity

(Dollars in thousands)	August 31, 2021	May 31, 2021
Members' equity:		
Total CFC equity	\$ 1,227,510	\$ 1,374,948
Exclude:		
Accumulated other comprehensive income (loss)	365	(25)
Period-end cumulative derivative forward value losses attributable to CFC ⁽¹⁾	<u>(605,626)</u>	<u>(461,162)</u>
Subtotal	<u>(605,261)</u>	<u>(461,187)</u>
Members' equity	<u>\$ 1,832,771</u>	<u>\$ 1,836,135</u>

⁽¹⁾ Represents period-end cumulative derivative forward value losses for CFC only, as total CFC equity does not include the noncontrolling interests of the variable interest entities NCSC and RTFC, which we are required to consolidate. We report the separate results of operations for CFC in "Note 14—Business Segments." The period-end cumulative derivative forward value total loss amounts as of August 31, 2021 and May 31, 2021 are presented above in Table 29.