

NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORP /DC/  
 Form 424B3  
 October 20, 2014

CALCULATION OF REGISTRATION FEE

Title of Each Class of Securities Offered	Maximum Aggregate Offering Price	Amount of Registration Fee(1)(2)
3.100% InterNotes® Due October 15, 2024		\$ 145.48
3.500% InterNotes ® Due April 15, 2028	\$1,252,000 \$2,875,000	\$ 334.08

(1) Calculated in accordance with Rule 457(r) under the Securities Act of 1933.

The amount in this column has been transmitted to (2)the SEC in connection with the securities offered by means of this pricing supplement.

Filed Under Rule 424(b)(3), Registration Statement No. 333-177949 Pricing Supplement Number 345 Dated Tuesday, October 20, 2014

(To: Prospectus Dated November 14, 2011 and Prospectus Supplement Dated November 17, 2011)

Number	Principal Amount	Selling Price	Gross Concession	Net Proceeds	Coupon Type	Coupon Rate	Coupon Frequency	Maturity Date	1st Coupon Date	1st Coupon Amount	Survivor's Option	Product Rank
FUV6	\$1,252,000	100%	1.800%	\$1,229,464.00	Fixed	3.100%	MONTHLY	10/15/2024	11/15/2014	\$1.89	Yes	Senior Unsecured Note

Redemption Information: Non-Callable

CUSIP Number	Principal Amount	Selling Price	Gross Concession	Net Proceeds	Coupon Type	Coupon Rate	Coupon Frequency	Maturity Date	1st Coupon Date	1st Coupon Amount
63743FUW4	\$2,875,000	100%	2.150%	\$2,813,187.50	Fixed	3.500%	MONTHLY	04/15/2028	11/15/2014	\$2.14

National Rural Utilities Cooperative Finance Corp

Offering Dates: Tuesday, October 14, 2014 through Monday, October 20, 2014 Trade Date: Monday, October 20, 2014 @ 12:00 PM ET Settlement Date: Thursday, October 23, 2014 Minimum Denomination/Increments: \$1,000.00/\$1,000.00 Initial trades settle flat and clear SDFS: DTC Book Entry only DTC number: 0235 via RBC Dain Rauscher Inc. Prospectus Dated November 14, 2011

Agents: Citigroup, Comerica Securities, J.J.B. Hilliard, W.L. Lyons, Inc., Morgan Stanley, UBS Investment Bank, Wells Fargo

If the maturity date or an interest payment date for any note is not a Business Day (as term is defined in Prospectus), principal, premium, if any, and interest for that note is paid on the next Business Day, and no interest will accrue from, and after, the maturity date or interest payment date.

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