

NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORP /DC/
 Form 424B3
 May 19, 2014

Filed Under Rule 424(b)(3), Registration Statement No. 333-177949 Pricing Supplement Number 325 Dated Monday, May 19, 2014 (To: Prospectus Dated November 14, 2011 and Prospectus Supplement Dated November 17, 2011)

| CUSIP Number | Principal Amount | Selling Price | Gross Concession | Net Proceeds | Coupon Type | Coupon Rate | Coupon Frequency | Maturity Date | 1st Coupon Date | 1st Coupon Amount | Survival Option |
|--------------|------------------|---------------|------------------|--------------|-------------|-------------|------------------|---------------|-----------------|-------------------|-----------------|
| 63743FTM8 | [] | 100% | 1.800% | [] | Fixed | 3.000% | MONTHLY | 11/15/2023 | 06/15/2014 | \$1.25 | Yes |

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 | Survival Option |
|--------------|------------------|---------------|------------------|--------------|-------------|-------------|------------------|---------------|-----------------|-------------------|-----------------|
| 63743FTN6 | [] | 100% | 2.150% | [] | Fixed | 3.500% | MONTHLY | 11/15/2026 | 06/15/2014 | \$1.46 | Yes |

Redemption Information: Non-Callable

National Rural Utilities Cooperative Finance Corp
 Offering Dates: Monday, May 19, 2014 through Tuesday, May 27, 2014
 Trade Date: Tuesday, May 27, 2014 @ 12:00 PM ET
 Settlement Date: Friday, May 30, 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.
 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

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 Prospectus Dated November 14, 2011

no interest will accrue from, and after, the maturity date or interest payment date.

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