

NATIONAL RURAL UTILITIES COOPERATIVE FINANCE CORP /DC/
 Form 424B3
 August 14, 2017

Filed Under Rule 424(b)(3), Registration Statement No. 333-199914
 Pricing Supplement Number 462 Dated Monday, August 14, 2017
 (To: Prospectus Dated November 6, 2014 and Prospectus Supplement Dated November 10, 2014)

| CUSIP 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 Ranking |
|--------------|------------------|---------------|------------------|--------------|-------------|-------------|------------------|---------------|-----------------|-------------------|------------------------|-----------------|
| 63743FE93[] | 100% | 0.950% | | Fixed | 2.100% | MONTHLY | 08/15/2021 | 09/15/2017 | \$1.23 | Yes | Senior Unsecured Notes | |

Redemption Information: Non-Callable

National Rural Utilities Cooperative Finance Corp
 Offering Dates: Monday, August 14, 2017 through Monday, August 21, 2017
 Trade Date: Monday, August 21, 2017 @ 12:00 PM ET
 Settlement Date: Thursday, August 24, 2017
 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.

National Rural Utilities Cooperative Finance Corp
 Prospectus Dated November 6, 2014

Agents: Incapital, LLC, Citigroup, Comerica Securities, J.J.B. Hilliard, W.L. Lyons, Inc., Wells Fargo Advisors

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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