

**TRI-COUNTY RURAL ELECTRIC COOPERATIVE, INC.**

**POLICY BULLETIN No 3-20**

**SUBJECT: NEUTRAL-TO-EARTH STRAY VOLTAGE**

**I. POLICY:**

Pursuant to Section 97, Paragraph D, subparagraph 2 of the National Electric Safety Code (NESC) and upon the request of the member, the Cooperative may provide and install a Neutral Isolator at the member's point of service.

**II. PROCEDURE:**

- A. Cooperative employees will make every attempt to promptly contact the member in order to arrange for an on-site visit and check for possible neutral-to-earth stray voltage problems with cooperative facilities. Member owned equipment/facilities will also be inspected and tested for potential neutral-to-earth stray voltage.
- B. The Cooperative may install equipment to monitor voltage and current levels over a period of time to more accurately define any neutral-to-earth stray voltage problems.
- C. A written report will be completed and submitted to the member. This report will illustrate potential causes and provide available solutions to alleviate neutral-to-earth stray voltage at the member's point of service.
- D. In the event that a Neutral Isolator is listed on the member's report as an available solution, the report will include a copy of the manufacturer's operations instructions. The Cooperative shall educate the member as to the purpose, operation, and failsafe features of the neutral isolator.
- E. The threshold for installation of a neutral isolator is one-half (1/2) volt at animal contact points.

**III. RESPONSIBILITY:**

President & CEO or Designee

Approved: 6/18/85.

Reviewed: 12/13/88, 11/20/90, 11/18/93, 11/17/98, 11/21/00, 11/26/02, 11/20/08,  
12/18/12, 08/25/14.

Revised: 11/18/86, 11/21/95, 11/04/04, 10/24/06, 10/26/10, 12/22/15.