



Wheat Belt Public Power District Board of Directors Policy

Policy: **C-27**

Title: **Line Interference/Harmonics**

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Line noise is unwanted electrical or electromagnetic energy that degrades the quality of signals and data. Noise occurs in digital and analog systems, and can affect communications of all types. The sensitivity of electronic equipment necessitates that the line be protected from this interference both for the customer and Wheat Belt. Wheat Belt relies on the transmission of data over the power lines. It is imperative that the system can transmit quality data.

The following is a direct quote: “FCC Title 47, CFR Section 15.5 General conditions of operation.”

“(c) The operator of the radio frequency device shall be required to cease operating the device upon notification by a Commission representative that the device is causing harmful interference. Operation shall not resume until the condition causing the harmful interference has been corrected.”

Services must comply with IEEE Standard 519, Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems.

Customers whose equipment does not meet FCC regulations and/or IEEE Standard 519 will be notified by Certified Mail. FCC’s preference is that corrections are made without FCC involvement. It is law that interference/harmonic problems must be corrected. Wheat Belt will notify the customer of the interference and allow 30 days for corrective measures to be implemented. The customer will be encouraged to work with Wheat Belt during the 30 days to disconnect service during critical data collection periods. If the customer refuses to disconnect during these periods, Wheat Belt will disconnect service during these periods, and related charges will be added to the customer’s account. If the issues are not corrected, the customer will be notified that the service will be disconnected until such time the customer is able to remedy the problem.

President

4-22-22

Date