

**WHEATLAND RURAL ELECTRIC ASSOCIATION
BOARD OF DIRECTORS OPERATING POLICY**

Subject: Required and Recommended Equipment for Electric Motors		Policy No. 6
Original Issue Date: 10/30/1995	Date of Last review: 2/24/2009	Page 1 of 1

DEFINITION: "Electric Motors" shall mean all three phase motors or single phase motors over 200 amps or 240 volts.

POLICY:

RESOLVED, by the Board of Directors, that the following equipment is hereafter required to be furnished by consumers applying for service to three phase motors or to single phase motors over 200 amps or 240 volts, and such equipment shall be installed prior to energizing service.

1. A NESC/NEC code approved outdoor fused main disconnect installed below the meter.
2. NESC code approved capacitor banks on all three phase motors above 100 H.P. and all single phase motors above 10 H.P. Soft start or auto transformers may be substituted for capacitor banks.
3. The harmonics generated by consumer's load shall be limited as specified in IEEE 519 standards. Consumer's load that exceed these limits shall be required to install equipment to get harmonics back in compliance with standards.

RESOLVED, by the Board of Directors, that the following equipment is hereafter recommended to be furnished by consumers applying for service for three phase motors:

1. 3 ambient compensated relay.
2. 3 dual element fuses.
3. Electronic or disc type phase failure, phase reversal relay.
4. Lightning arrestors.
5. Surge capacitors.
6. Panel to be of proper N.E.M.A. class for motor size.
7. Motor reversing ratchet.
8. Proper grounding to NESC code.

In any event, it shall be the sole responsibility of the consumer to protect all equipment on the consumers side of the meter and under no circumstances shall the Association be liable for damages to equipment, or for failure of equipment, or resultant or consequential damages of any nature whatsoever resulting from lightning, acts of God, unauthorized actions of third persons, normal wear and tear of equipment, or as the result of other conditions or circumstances beyond the control of the Association. A signed acknowledgment of this Policy must be included with the application for service before connection of the motor.

RESPONSIBILITY:

The General Manager shall be responsible for the execution of this policy.

 Secretary	Date <u>2/24/2009</u>
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