Customer Service Telephone Numbers for Michigan Electric Power Suppliers:

Alger Delta Cooperative.	(800)562-0950
Alpena Power Co.	(866)358-4900
American Electric Power Co.	(800)311-6424
Cherryland Electric Cooperative	(800)442-8616
Cloverland Electric Cooperative	(800)562-4953
Consumers Energy	(800)252-8658
DTE Energy	(800)477-4747
Edison Sault Electric Co.	(877)254-8233
Great Lakes Energy Cooperative	(888)485-2537
Tri-County Electric Cooperative	(800)848-9333
Midwest Energy Cooperative	(800)492-5989
Ontonagon County REA	(906)884-4151
Presque Isle Elec. & Gas Co-op.	(800)423-6634
Thumb Electric Cooperative	(800)327-0166
Upper Peninsula Power Co.	(800)562-7680
We Energies	(800)242-9137
Wisconsin Public Service Corp.	(877)444-0888
Xcel Energy	(800)895-4999

Michigan Department of Agriculture
Food & Dairy Division (517)373-1060

Michigan Agricultural Electrical Council
(888)817-8895

This publication was developed jointly by the Michigan Agricultural Electric Council and the Michigan Department of Agriculture, Food & Dairy Division.

The Michigan Agricultural Electric Council develops and presents educational programs related to electrical issues in the agricultural community. Members include electric power supplier representatives, the Michigan Public Service Commission, the Michigan State University Extension Field Staff, and Michigan State University Campus Faculty.

Department of Biosystems and Agricultural Engineering

http://www.egr.msu.edu/age/MAEC/

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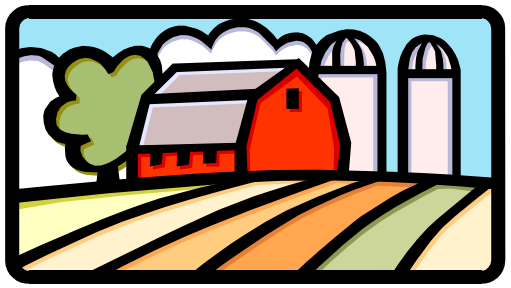


Electrical Safety Check

- A program to identify possible electrical safety problems on Michigan dairy farms.

Why?

To identify possible electrical safety problems on Michigan dairy farms. This is a free service offered by the Michigan Department of Agriculture to help ensure the safety of dairy farmers and their livestock.

Who?

Supported by MSU and MSU Extension as well as industry groups such as Michigan Farm Bureau, Dairy Farmers of America and the Michigan Milk Producers Association, milk inspectors of the Michigan Department of Agriculture Food & Dairy Division will make a simple electrical measurement on various dairy farms visited. The role of the Michigan Agricultural Electric Council in the program is to deliver technical assistance as well as supply the necessary test equipment.

What measurement?

A reading of the open circuit AC voltage (VAC) measured between the milk bulk tank and the floor drain or floor adjacent to the drain. This simple reading is a quick and easy way to identify some potential electrical problems.

What happens after the reading?

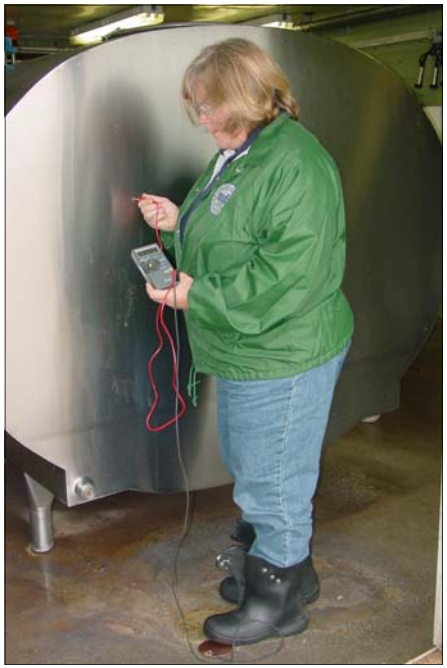
The milk inspector will record the reading measured and report it to the farmer using the form on the following page. If the reading is greater than two volts, the farmer is encouraged to contact their power supplier for a free evaluation. The milk inspector will also report the reading so that the data collected from across Michigan can be studied.

What does the reading mean?

1.0 VAC - A reading of one volt may be an expected reading. It is typical to have a small voltage present when 120 volt loads are running.

>2.0 VAC - If the reading is greater than two volts or if the farmer is concerned about a potential voltage condition, the farmer is encouraged to *contact their power supplier for a free evaluation.* See list of phone numbers on back of this brochure.

>10.0 VAC - If the reading is greater than ten volts, it is likely there is an electrical ground fault or wiring problem. In this case, the farmer should *contact a licensed electrician and their power supplier immediately* to correct a potential electrical safety hazard.



Measurement Information

Date: _____

Farm Name: _____

_____ VAC Measured Reading

Check (√)one:

_____ Less than 2.0 Volts

_____ Greater than 2.0 Volts*

_____ Greater than 10.0 Volts**

***For readings greater than 2.0 Volts, farmers should *contact their power supplier for a free evaluation.*

****If the reading is greater than ten volts, the farmer should *contact a licensed electrician and their power supplier immediately* to correct a potential electrical hazard.

- See list of phone numbers on back of this brochure.