

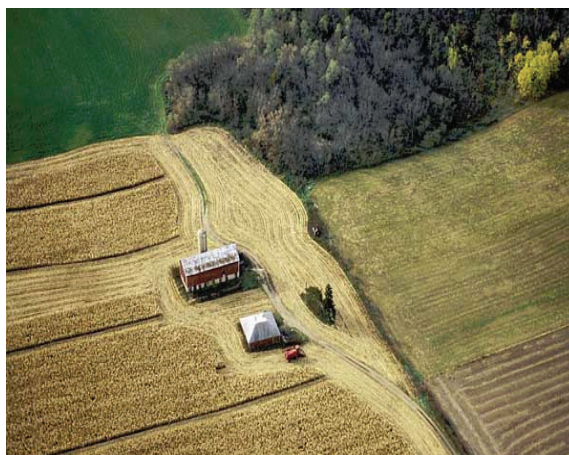
58th Annual Rural Energy Conference

February 13-14, 2020
and

Pre-Conference Workshop Updates on Dairy Farm Management

February 12, 2020

Radisson Hotel
La Crosse, Wisconsin



Sponsored by

Midwest Rural Energy Council
University of Wisconsin, Minnesota, Iowa and South
Dakota State Extension
University of Wisconsin Biological Systems
Engineering Department
University of Minnesota Bioproducts and Biosystems
Engineering Department
Iowa State University Agricultural and Biosystems
Engineering Department
South Dakota State University Department of Agricultural
and Biosystems Engineering

Workshop Agenda Updates on Dairy Farm Management



This year's pre-conference workshop will cover information on how dairy farms are managed. Attendees will receive the latest up-to-date information on milking technologies, animal health and well-being, manure management, and feed and forage nutrition. There will be plenty of time for discussion and question and answer sessions. The workshop will be taught by Brandon Treichler, a veterinarian with Select Milk Producers, Rebecca Larson, a professor in the University of Wisconsin-Madison Department of Biological Systems Engineering, and Michael Hutjens, Emeritus Professor, University of Illinois Department of Animal Sciences, a dairy nutrition expert.

Wednesday, February 12

Workshop Schedule:

12:45 pm Registration (lunch on own)
1:00 pm Workshop begins
3:00 pm Break
3:20 pm Workshop resumes
5:00 pm Workshop ends (dinner on your own.)

Please note: The conference and workshop are two different events. You can register for either one or both. Please see the registration panel.

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* Member of MN Rural Electric Association (MREA)

** Member of WI Electric Co-op Association (WECA)

+ Member of SD Rural Electric Association (SDREA)

++ Member of IA Association of Electric Co-ops (IAEC)

Conference Agenda

This year's annual conference will focus on energy issues in agriculture. All of the breakouts will be presented twice so that you can choose from both tracks to design your own conference agenda. Note that conference speakers and presentations are still being finalized and changes may occur. Please check the website of the Midwest Rural Energy Council for updated information at: <https://mrec.org/>.

Thursday, February 13, 2020

- 7:30 AM Registration & Breakfast
8:00 **Welcome and Conference Overview** - Regi Goodale, Iowa Association of Electric Cooperatives, MREC President
8:15 **Impact of Trade Agreements on Farmers** - David Miller, Decision Innovation Services
9:45 Break
10:00 **Proper Stray Voltage Measurement** - Robert Fick, and Michael Haas, Alliant Energy and Anthony Cook, AC Electrical Testing
11:00 **Managing a Large Scale Robotic Dairy** - Kevin Solum, Minglewood Inc.
12:00 PM Lunch
1:00 **Breakout Session 1**
2:00 **Breakout Session 2**
3:00 Break
3:15 **Breakout Session 3**
4:15 **Breakout Session 4**
5:30 Buffet Dinner and Round Table
Discussion of Current Issues

Exhibits and posters will be on display all day Thursday. Presenters will be available during breaks.

Friday, February 14, 2020

- 7:30 AM Breakfast
8:00 **MREC Business Meeting** - Jason Kollwelter, We Energies, MREC Vice President

Friday, February 14 (continued ...)

- 8:30 **Challenges for Regional Transmission Organizations as Energy Generation Changes** - Derek Mosolf, MISO
9:45 Break
10:15 **Creating Renewable Natural Gas at Dairy Farms** - Kevin Dobson, DTE Biomass Energy
11:15 AM **Adjourn**

Thursday Breakout Sessions

Track 1: Farm Wiring and Electrical Safety

- Stray Voltage Measurement Techniques**, Robert Fick and Michael Haas, Alliant Energy and Anthony Cook, AC Electrical Testing
- Stray Voltage Effects on Cow Health**, Doug Reinemann, University of Wisconsin-Madison
- Trade and Financial Outlook on Farms**, David Miller, Decision Innovation Services
- Applied Ethics**, Thomas Thibodeau, Viterbo University

Track 2: Energy Issues on the Farm

- Carbon Footprint of Swine Systems**, Erin Cortus, University of Minnesota
- Are You Milking Your Farm's Efficiency?**, Jessica Mlsna, Focus on Energy
- Livestock Used to Manage Land Under Solar Panels**, Jonathan Barter, American Solar Grazing Association
- Comparing Energy Use on Different Types of Dairy Farms**, Kirsten Sharpe, University of Minnesota



Registration

Please refer to the registration panel for workshop and conference fees. **Updates on Dairy Farm Management Workshop fee includes** materials and break (lunch and dinner are on your own). Hotel accommodations are not included in the fee.

The **Conference registration fee includes** materials, breakfast, breaks, lunch, reception, and dinner buffet Thursday. A breakfast and break is included on Friday. Hotel accommodations are not included in the fee.

Make check payable to: UW-Madison

Mail or fax to:

CALS Conference Services, 640 Babcock Drive
Madison, WI 53706; Fax: (608) 262-5088

Or register on-line at:

<http://www.mrec.org/>

Cancellations: In order to receive a full refund, you must cancel by contacting CALS Conference Services at (608) 263-1672 on or before January 31, 2020. If you fail to cancel by January 31, the full fee will apply. Substitutions are welcome at any time.

Questions: Call CALS Conference Services at (608) 263-1672.

Location and Lodging

A confirmation notice will be mailed upon receipt of registration. The conference will be held at:

The Radisson Hotel La Crosse
200 Harborview Plaza, La Crosse, WI 54601
Phone: (608)784-6680 or (800) 333-3333

A block of rooms has been reserved until January 11, 2020 (or until all rooms are reserved, whichever comes first) for conference participants at the nightly rate of \$129/one king bed-city view or \$139/two queen beds-river view, plus 13.5% taxes. Be sure to mention that you are attending the MREC Rural Energy Conference to receive the special rate.

Registration Form

58th Annual Rural Energy Conference & Workshop February 12-14, 2020

Complete a separate registration form (or copy) for each registrant or register on-line at:
<http://www.mrec.org/>

Early registration deadline is January 31, 2020.

Name _____

Company _____

Address _____

City/State/Zip _____

Daytime Phone _____

E-mail _____

The workshop and conference are separate events. You can register for one or both.

Updates on Dairy Farm Management Workshop - February 12

\$ 195 (\$220 received after January 31)

Rural Energy Conference - February 13-14

\$ 395 (\$420 received after January 31)

_____ Total Enclosed

Payment must be made at time of registration.

Enclose fee. Checks payable to UW-Madison

Check enclosed

Please charge on the following account:

VISA Master Card American Express or

Discover

Card Number _____

Exp. Date _____ Name on Card _____

Signature _____

Register on-line at:
<http://www.mrec.org/>