



55^h Annual Conference on Rural Energy Issues

Embassy Suites Hotel, Bloomington, MN

Conference Agenda (Feb. 9-10, 2017)

Thursday February 9, 2017

7:00 am Registration outside Palm Ballroom

General Session in the Palm Ballroom, with **exhibits** on display all day in the foyer.

8:00 Welcome and Conference Overview. *Kevin McLean, MREC President*

8:15 Policy Impacts on the Dairy Industry, *John Holevoet, Dairy Business Association*

10:00-10:15 Break (Refreshments in Palm Ballroom)

10:15 Understanding Electric Rates, *Shaurice Moorman, Josh Mulder, Power System Engineering*

11:00 Cows' Immune Response and Stray Voltage Exposure. *Lorraine Sordillo, Michigan State Univ.*

12:00 Lunch

1:00-5:15 Breakout Sessions: Each one-hour presentation is given twice.

Location:	1:00	2:00
Azalea Room	Proper Installation of Electric Fencers. <i>Robert Fick, Alliant Energy</i>	Testing Panel Neutral to Ground Separation. <i>Brian Costello, Alliant Energy</i>
Orchid Room	Energy Efficient Technologies & Implementation for Swine & Poultry. <i>Fritz Ebinger, Univ. of MN Extension - Clean Energy Resource Teams</i>	Calculating Usage to Identify Potential Energy Savings. <i>Fred Daniels, Franklin Energy Services</i>
Palm Room I	Immune Response and Stray Voltage Exposure: Further Discussion. <i>Lorraine Sordillo, MSU</i>	NEV Considerations for Transmission Line Construction & Maintenance. <i>Mike Warntjes, Andy Eberhardt, ATC</i>
Palm Room II	Community Energy Storage and e ⁻ vehicle Charging. <i>Jeff Springer, Dairyland Power</i>	Energy, Water and Time Efficient Hot Water Systems. <i>Gary Klein, Klein and Assoc.</i>

3:00-3:15 Break with Refreshments

Location:	3:15	4:15
Azalea Room	Proper Installation of Electric Fencers. <i>Robert Fick, Alliant Energy</i>	Testing Panel Neutral to Ground Separation. <i>Brian Costello, Alliant Energy</i>
Orchid Room	Energy Efficient Technologies & Implementation for Swine & Poultry. <i>Fritz Ebinger, Univ. of MN Extension - Clean Energy Resource Teams</i>	Calculating Usage to Identify Potential Energy Savings. <i>Fred Daniels, Franklin Energy Services</i>
Palm Room I	Immune Response and Stray Voltage Exposure: Further Discussion. <i>Lorraine Sordillo, MSU</i>	NEV Considerations for Transmission Line Construction & Maintenance. <i>Mike Warntjes, Andy Eberhardt, ATC</i>
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5:30 Thursday Dinner Buffet and Round Table Discussion (Willow Ballroom)

Friday February 10, 2017

7:30 am Refreshments followed by **General Session** in the Palm Ballroom

8:00 MREC Business Meeting. *Kelly Dybdahl, MREC Vice-President*

8:15 Genomics in Farm Management: How is it Changing the Dairy Industry? *Eric Olstad, Zoetis*

9:00 Agricultural Financial Market Update. *Bob Meyer, Citizens State Bank of Loyal*

10:00-10:30 Break (Refreshments in Palm Ballroom)

10:30 Using Renewable Energy Systems in Dairy Production, *Brad Heins, Univ MN West Central Research and Outreach Center*

11:30 Adjourn



Advanced Topics in Stray Voltage Investigation

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Pre-conference Workshop Agenda (Feb. 8, 2017)

Wednesday February 8, 2017

12:30 Registration outside the Palm Ballroom

All Sessions are in the Palm Ballroom

1:00 Neutral isolation: how to, why, and what to look for. *Mike Haas, We Energies*

3:00-3:15 Break (Refreshments in Palm Ballroom)

3:15 Grounding and testing electric livestock waterers. Equipotential planes. *Robert Fick, Alliant Energy*

5:00 Adjourn