

ACEEE Forum on Energy Efficiency in
Agriculture
Des Moines, Iowa
November 14-16, 2005

Concurrent Session B

Exemplary Agricultural Energy Efficiency Programs

Wisconsin Focus on Energy-Agriculture and Rural Business

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Today's Presentation

- Wisconsin Agriculture
- Challenges to Energy Efficiency
- Making things happen
- What's been accomplished
- So, Now what?

Wisconsin Agriculture

- Dairy Industry is King
- ~1.2 Million Cows
- \$21 Billion contribution to State Economy
- Employs 160,000 people
- ~15,000 herds
- Average herd size is 75 head

Wisconsin Agriculture



Challenges to Energy Efficiency

- Customers are everywhere!
- They come in all shapes and sizes
- Energy isn't a big cost area
- Milk prices are volatile
- Money is tight
- Time is at a premium

Making Things Happen

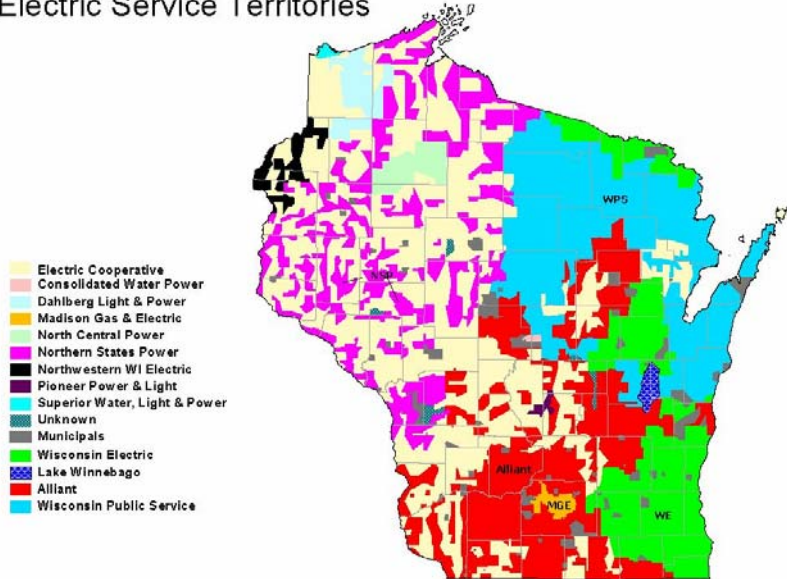
- Know the players---Community
- Find out what's important---Opportunity
- Recognize what's not important
- Prioritize
- Appreciate Timing
- Follow the K.I.S.S. principle

Making Things Happen

- Favorable Economics
- Equipment requires replacement
- Expansion
- Change in Needs
- Change in Methods

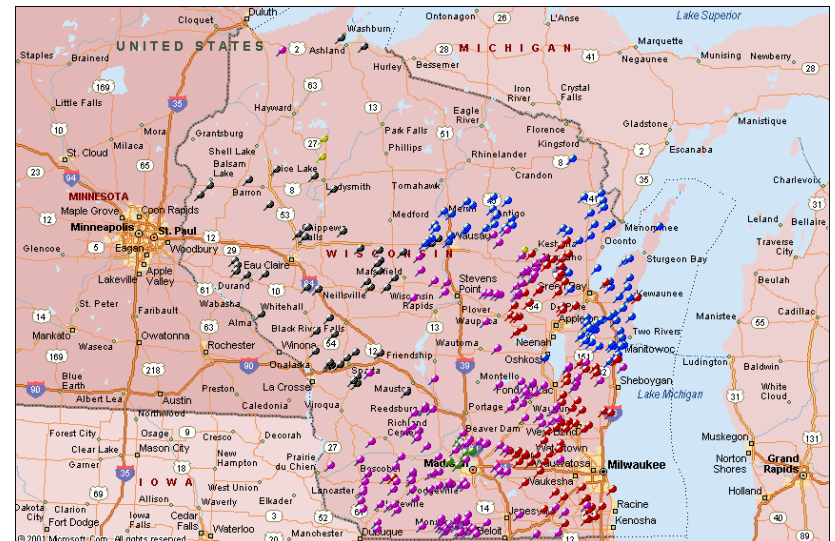
What's Been Accomplished?

Electric Service Territories



Year	Customers	Kwh Saved	kW saved	Therms saved
FY02	79	930,000	278	1,300
FY03	210	7,130,000	1,805	61,000
FY04	403	16,036,000	3,550	92,000
FY05	457	15,132,000	3,622	260,000
FY06 (as of 10/31)	210	4,112,000	1,093	52,000
Totals	1,359	43,340,000	10,348	466,300

Lifetime Value of Energy Saved
Over \$44 million!



What's Been Accomplished?

- Agriculture Program Areas
 - Dairy
 - Irrigation
 - Grain Drying
 - Crop Storage Facilities (Potatoes, Onions)
 - Greenhouses
 - Livestock

What's Been Accomplished?

- Established Collaborations and Connections
 - State agencies, utilities, farm associations, ag media, University, Technical Colleges, equipment dealers and manufacturers
- Coordinated training
- Cooperative marketing
- Raised awareness
- Established momentum

So, What's Next???



So, What's Next???

Key Watch Words

- Consistency
- Cooperation
- Cost Effective
- Creative
- Community

Thank You!

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