

Dakota Electric Association

- A member-owned electric cooperative.
- Serves much of Dakota County.
- 105,000 member-owners.
 - Approximately 100,000 residential members.
- Governed by board of directors elected by membership.
- All power and energy provided by Great River Energy

Dakota Electric Association

- Conservation goals and mandate
 - 2007 Legislation requires utilities to conserve 1.0 percent of base sales.
 - Energy conservation can be a least-cost resource
 - Helps avoid construction of power plants, transmission and distribution infrastructure.
 - Lowering energy costs is good for our customers/members.
 - There are No fossil fuels in Minnesota, so energy efficiency and renewable energy create new jobs and economic development locally.

Minnesota Renewable Mandate

- 25 percent renewable by 2025
- Solar Thermal Electric, Solar Photovoltaics, Wind (All), Biomass, Hydroelectric, Hydrogen, Municipal Solid Waste, Landfill Gas, Wind (Small), Anaerobic Digestion Landfill Gas, Co-Firing, Anaerobic Digestion

Dakota Electric Association

- Full range of electric energy conservation programs:
 - Lighting.
 - Street lighting.
 - Air conditioning.
 - Motors.
 - Heat pumps.
 - Adjustable speed drives
 - Agricultural programs-ventilation, robotic milking, et al.
 - **Custom projects.**
 - Energy audits, engineering assistance, re-commissioning.

All information and forms are available at:
www.dakotaelectric.com

Load Control

- Rate 70 Load Control Program
 - Allows DEA to utilize a commercial member's emergency backup generators during peak times.
 - The majority of our large commercial members participate.
 - All cities with large loads are participating, as is Dakota County, and other government facilities.
 - Savings of 35 to 40 percent annually.
 - System-wide, commercial members are saving millions of \$ each year.

Residential Programs

High-Efficiency Rebates Programs:

- Lighting
- HVAC: ECM Furnace fans, AC, Heat pumps
- Appliances: Refrigerators, Freezers, Dehumidifiers,
- Water Heaters
- Pool pumps, heaters

Off-Peak Qualifying Loads:

- Heat pumps
- AC: Cycled Air Program
- Resistance heat
- Slab heat
- Electric vehicles
- Storage heat
- Pool pumps
- Water heaters



Trending Now: Electric Vehicles



being charged during



- Dakota County Meeting

Upcoming “Smart”

- GRE/DEA/Cc
Storage Init
- Heat storage
energy storag
- Water heater
energy during
- More sensors
- 8l single fami
- Makes renewa



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: **Community**

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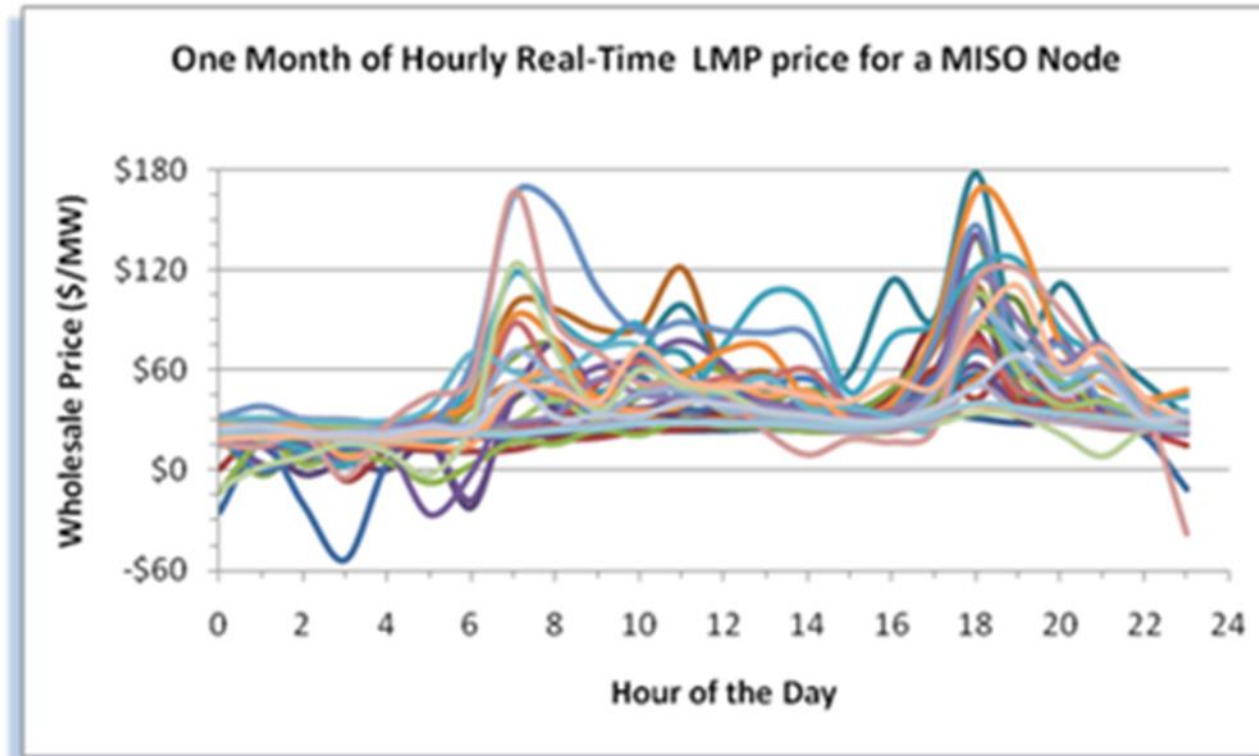
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Variability of Pricing



Renewable Energy

- Renewable energy programs:
 - **Install your own system** and connect it to the Dakota Electric Grid
 - Renewable energy options even **if you cant** install your own system



Dakota Electric Association

- Renewable energy programs:
 - WellSpring Energy
 - Available to all Dakota Electric members
 - Can be purchased in 100 kWh blocks or for 100 percent of your usage
 - 40 cents per 100 kWh block for wind energy.
 - \$2.00 per 100 kWh block for photovoltaic (solar) energy.
 - Interconnection programs
 - 40 kW systems or smaller receive retail energy rates.
 - Larger systems receive a negotiated rate.



Wellspring Participation

Number of Accounts	Total Annual kWh Offset	Total Annual lbs of CO2 avoided
1,331	607,900	1,155,010

Dakota Electric Association

- Dakota Electric Association staff dedicated to assist residents and businesses:
 - Residents:
 - Stephanie Pederson, Energy Services Representative
spederson@dakotaelectric.com
651-463-6384
 - Mike Plutowski, Energy Services Representative
mplutowski@dakotaelectric.com
651-463-6180
 - Businesses:
 - Jane Siebenaler, Business Account Executive
siebenaler@dakotaelectric.com
612-987-9450
 - Dan Ross, Business Account Executive
dross@dakotaelectric.com
651-245-1093
 - Timothy Doherty, Business Account Executive (assigned to City of Eagan)
tdoherty@dakotaelectric.com
651-206-5264
 - Tyler Kashdan, Business Energy Specialist
tkashdan@dakotaelectric.com
651-463-6353

We also have 16 Member Service Representatives who can assist DEA members with conservation questions. 651-463-6212 & customerservice@dakotaelectric.com