



# Regional Wind Conference

Brookings, South Dakota

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Iowa Association of Electric Cooperatives

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Iowa Association of  
**Electric Cooperatives**

A Touchstone Energy® Cooperative 

# Iowa Background

- Overview of Iowa's Electric Industry
  - Market share
  - RECs (#, counties, meters, etc.)



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# Our challenge...

Provide Energy that is:

1. Affordable
2. Environmentally Responsible
3. Reliable
4. Safe



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# Specific Challenges with Wind Energy

- Educational
- Economic
- Operational



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# Educational Challenges

- Member-Consumers
- Member Cooperatives
- Policy Makers
- Media



# Economic Challenges

- Federal PTC
- Clean Energy Bonds
- Obligation to Serve
- Green Pricing Program Participation
- Iowa Tax Credit Programs
- Incentives vs. Mandates



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# Operational Challenges

- Planning
- Used Equipment
- Metering
- Inability to Store Grid Energy Economically
- Wind Rights Issue
- Road to Market

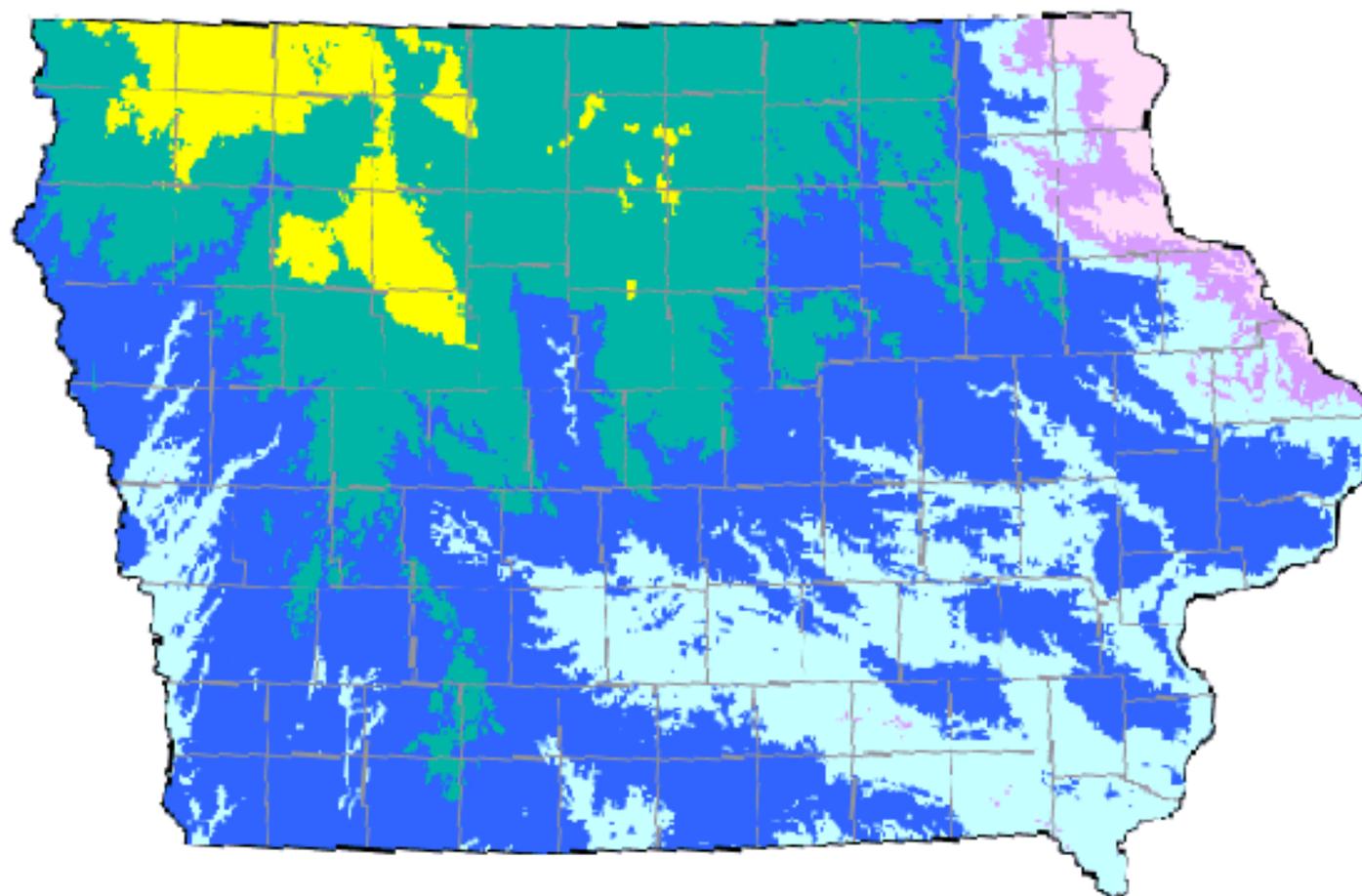


# Iowa Energy Center

- Created in 1990
- 85 cents of every \$1,000 spent on natural gas and electricity within Iowa
- Energy Efficiency & Renewable Energy Focus
- Calculator
- 515-294-8819
- <http://www.energy.iastate.edu/>

## Estimated Average Annual Wind Speeds

Typical average wind speeds on well exposed sites at 50 m above ground



MPH		m/s
>19.0		>8.5
17.9-19.0		8.0-8.5
16.8-17.9		7.5-8.0
15.7-16.8		7.0-7.5
14.5-15.7		6.5-7.0
13.4-14.5		6.0-6.5
12.3-13.4		5.5-6.0
<12.3		<5.5

### Iowa Energy Center

This map was generated from data collected by the Iowa Wind Energy Institute under Iowa Energy Center Grant No. 93-04-02. The map was created using a model developed by Brower & Company, Andover, MA.

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# Legislative Programs

- 1 Cent Wind State Tax Credit
  - Wind Only
  - Program capped at 450 MW
  - Fully Subscribed
  - Alliant Filing with the FERC
- 1.5 Cent State Tax Credit Program
  - 90 MW Wind
  - 10 MW Other Renewables



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**Thank you!**



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