

State of Wisconsin

Renewable Energy Purchase

Neil Howell

Conserve Wisconsin Program

Department of Administration

State Facilities

Green Power Webcast

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Wisconsin

- 5,532,955 Packer Fans
- 49 State Agencies
 - 26 University Campuses
- 79,500,000 Ft² - Buildings
- \$27 Billion Annual Budget
- 67,300 Employees
- FY 07 Energy Costs =
\$166,168,087



Conserve Wisconsin Goals

- Energy Efficiency Goals for All state Buildings
 - 20% (Btu/Ft²) by 2010 from 2005 levels
- Adopt Sustainable Building Guidelines
 - For Construction and Operation
- Update Construction Specifications to be 30% more efficient than code
- Implement Building Commissioning Program

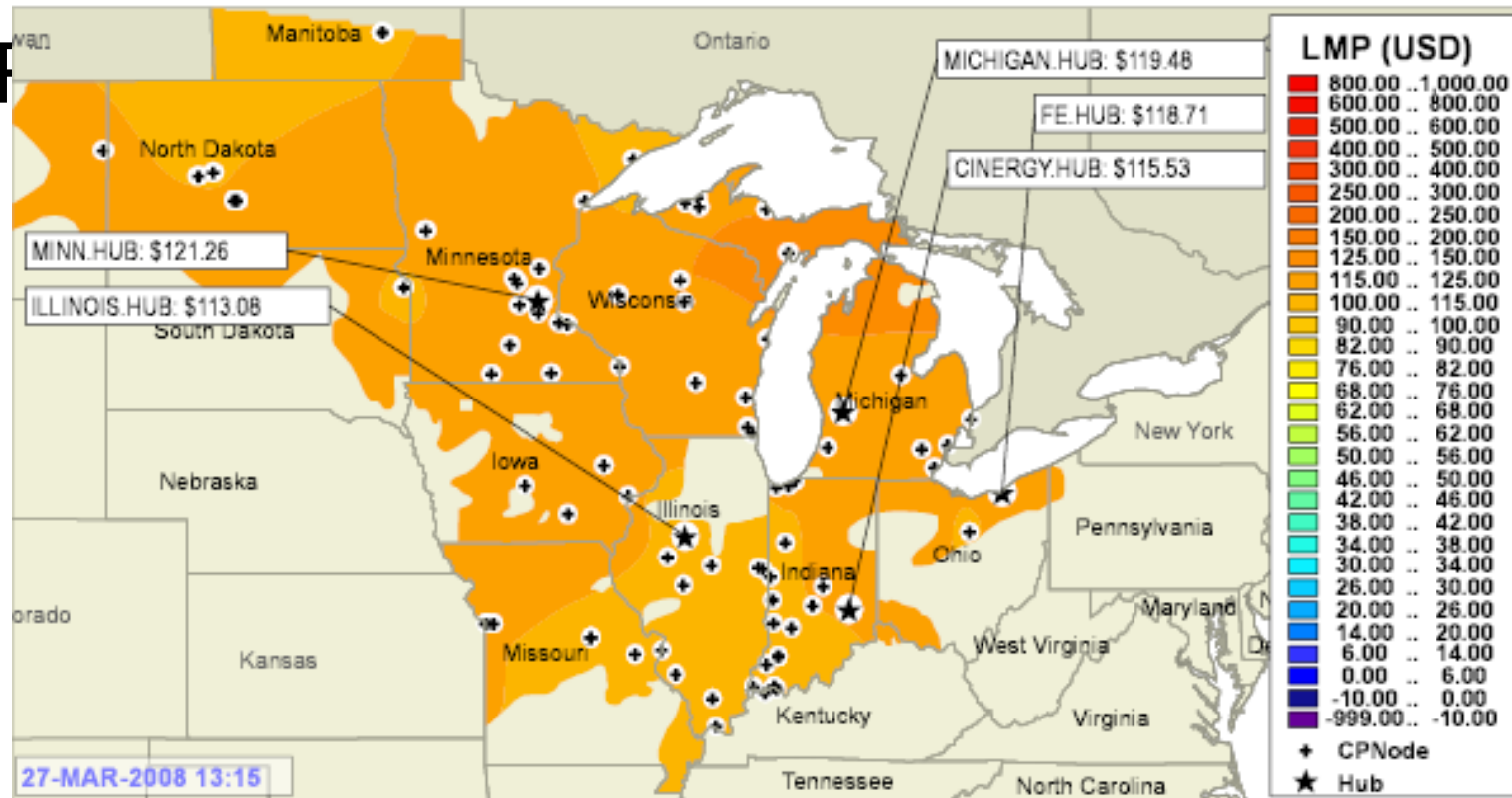
2005 ACT 141 - Energy Efficiency and Renewables Act

- Public Benefits Program – Focus on Energy transferred to Public Service Commission
- Renewable Portfolio Standard (RPS) increased to 10% in 2015
- Standards for all energy-consuming equipment
- Renewable Energy purchase goal

The Goal

- 6 State Agencies: Administration, Corrections, Health and Family Services, Public Instruction, Veterans Affairs, 26 UW Campuses.
 - Renewable percentage for total annual electricity be at least 10% = 92,400,000 KWh
 - Consider only electric energy that is purchased from the electric provider that serves the agency facility under an arrangement with a term of 10 years or more
 - Renewable percentage for total annual electricity goes to 20%, in 2012

Midwest Independent System Operator



Challenges

- Consider only electric energy that is purchased from the electric provider that serves the agency facility under an arrangement with a term of 10 years or more.
- Regulated electric market,
- Constrained transmission system,
- Sub-Optimal Renewable Energy Resource

What We Did

- Met with all major state utilities
 - RPN Grant – THINK Energy
- Request for Proposal Process
 - Six (6) proposals containing a total of eleven (11) purchase options were received

Proposal Evaluation

Requirement that the renewable energy be from a qualifying renewable energy resource.

- Location of the renewable resource(s) – 600 Points
- Delivery Timing of the renewable resource – 500 Points
- Purchase structure and pricing methodology – 300 Points
- Experience and Capabilities of the proposer, and any subcontractors – 400 Points
- Quality and added benefits of Proposal, – 200 Points
- Net Delivered Price – 1,000 Points

Contracts

- 3 Contracts Pending:
 - Madison Gas and Electric Company 1¢/KWh rate adder (40,000,000 KWh)
 - We Energies 1¢/KWh rate adder (19,400,000 KWh)
 - Wisconsin Public Power Inc. (WPPI) contract for differences for 40% of WPPI wind farm (33,000,000 KWh)
- Negotiating 4th contract for 100% of Wind Farm; for 2012 requirement

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