

## 2003 Project Abstract

For the Period Ending June 30, 2005

**TITLE:** Community Energy Development Program

**PROJECT MANAGER:** Mike Taylor

**ORGANIZATION:** Minnesota Department of Commerce

**ADDRESS:** 85 7<sup>th</sup> Place East, Suite 500, Saint Paul, Minnesota 551101

**WEB SITE ADDRESS:**

Clean Energy Resource Teams: [www.cleanenergyresourceteams.org](http://www.cleanenergyresourceteams.org)

Carleton College Wind Turbine: [apps.carleton.edu/campus/facilities/sustainability/wind\\_turbine](http://apps.carleton.edu/campus/facilities/sustainability/wind_turbine)

University of Minnesota-Morris Wind Turbine: [wcroc.coafes.umn.edu/Wind\\_turbine.html](http://wcroc.coafes.umn.edu/Wind_turbine.html)

**FUND:** U.S. DOE Oil Overcharge Funding

**LEGAL CITATION:** ML 2003, Ch. 128, Art. 1, Sec. 9, Subd. 10a

**APPROPRIATION AMOUNT:** \$519,000

### Overall Project Outcome and Results

There were two projects under the Community Energy Development Program – Clean Energy Resource Teams (\$219,000) and Community Wind Energy Rebates (\$300,000).

#### A. Clean Energy Resource Teams

The five LCMR funded Clean Energy Resource Teams each organized stakeholders in their regions (Central, Northeast, Northwest, Southeast, West Central) for 45 meetings/workshops over the project period (each region held 8-10 meetings). The meetings included the planning and the completion of regional energy resource assessments and renewable and efficient energy project prioritization. CERTs participants included citizens, businesses, utilities, NGOs, and government stakeholders. A statewide conference was held on February 28, 2005 where the preliminary results from the regional plans were presented (200 attendees, 36 speakers, 12 additional funding sponsors). The CERTs website includes 54 case studies, 12 technology FAQ sheets, 5 newsletters, and all of the final reports and documentation, which have also been published on CD-rom.

CERTs region project priorities:

*Northwest:* wood waste biogasification; geothermal heating/cooling; biogas at food processing plants.

*Northeast:* Energy efficiency and renewable energy in schools in each county.

*Central:* Energy smart buildings, solar, local biomass.

*West Central:* Community energy efficiency and renewable energy (biomass, biogas, wind) projects.

*Southeast:* Wind energy development, transmission system infrastructure, energy efficiency, education, converting existing facilities to biomass.

#### B. Community Wind Energy Rebates

Carleton College (Northfield) and the University of Minnesota-Morris (Morris) each completed a 1.65 megawatt (MW) wind turbine in September 2004 and April 2005 respectively and are estimated to produce about 5,000,000 kilowatt-hours (kWh) each annually. Each institution received a grant of \$150,000 toward their wind turbine projects that was approximately 7-8% of total costs.

### Project Results Use and Dissemination

#### A. Clean Energy Resource Teams

As mentioned above, the materials developed were published on the website, CD-rom, and in limited paper quantities. They will be utilized in CERTs Phase 2 within the regions for energy project development and dissemination among the regional communities.

#### B. Community Wind Energy Rebates

Carleton College held a public dedication ceremony for their wind turbine on September 25, 2004. The University of Minnesota-Morris held a public dedication ceremony on April 22, 2005. Both wind turbine projects will report electricity production and financial information annually for 20 years.

**June 30, 2005**  
**LCMR Final Work Program Report**

**I. PROJECT TITLE:** Community Energy Development Program

**Project Manager:** Mike Taylor  
**Affiliation:** Minnesota Department of Commerce State Energy Office  
**Mailing Address:** 85 7th Place East, Suite 500  
**City / State / Zip :** St. Paul, MN 55101  
**Telephone Number:** 651-296-6830  
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<b>Total Biennial LCMR Project Budget:</b>	<b>LCMR Appropriation:</b>	<b>\$519,000</b>
	<b>Minus Amount Spent:</b>	<b>\$519,000</b>
	<b>Equal Balance:</b>	<b>\$0</b>

**Legal Citation:** ML 2003, Chap. 128, Art. 1, Sec. 9, Subd. 10a.

**Appropriation Language:**

10 (a) Community Energy Development Program  
\$519,000 is from the oil overcharge money to the commissioner of administration for transfer to the commissioner of commerce to assist communities in identifying cost-effective energy projects and developing locally owned wind energy projects through local wind resource assessment and financial assistance.

**II. and III. FINAL PROJECT SUMMARY**

Overall Project Outcome and Results

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## **IV. OUTLINE OF PROJECT RESULTS:**

### **Result 1: Convene regional Clean Energy Resource Teams**

**Description:** The goal is to build regional collaborations among Minnesota communities, industries and government to work toward the development of a regional renewable energy plan in each of the three regions. This task would include:

- Convening multi-stakeholder groups in each of the regions at least four times per year;
- Working to establish a basic technical energy understanding and develop a common vision of the team objectives;
- Holding two regional workshops to educate local stakeholders in an array of projects that can improve energy efficiency and environmental performance;

- Holding one statewide workshop to bring together regional team stakeholders as well as a non-team related audience; and
- Developing and implement an information dissemination plan to provide on-going education of and updates to stakeholders.

<b>Summary Budget Information for Result 1:</b>	<b>LCMR Budget</b>	<b>\$109,027</b>
	<b>Minus Amount Spent:</b>	<b>\$109,027</b>
	<b>Balance</b>	<b>\$0</b>

**Completion Date:** June 30, 2005

**Final Results:**

Convening the Clean Energy Resource Teams proved to be an effective means of communicating and networking with a wide variety of stakeholders surrounding energy use and production. Networking was more effective in this setting because communication occurred in bottom-up, top-down, and laterally between stakeholders who had previously not necessarily worked together.

- Average attendance 20-40/meeting
- Five regional workshops
- Website and listserv development (30-200 members/region) w/ updates
- Statewide newsletters (two/yr)
- CERTs brochure and exhibit for events 4-5/region/yr
- CERTs planning committee meetings
- Statewide conference February 28 (200 attendees, 36 speakers, 12 additional funding sponsors)

**Result 2:** Perform a regional energy resource inventory

**Description:** The goal is to gather and centralize baseline data in each region to determine which energy efficiency projects and renewable energy resource availability matches the needs of the region and provide opportunities to mitigate current environmental problems. This task would include:

- Identifying existing inventories on energy efficiency projects and renewable resources for each region;
- Identifying additional data needs for future planning and acquisition purposes;
- Identifying vulnerabilities in energy delivery system;
- Assess targeted public and private buildings for potential energy conservation projects;
- Identify local facilities that have good potential for Combined Heating and Cooling energy systems; and
- Identify local opportunities where energy crops or projects could help mitigate additional environmental problems like water and air pollution.

<b>Summary Budget Information for Result 2:</b>	<b>LCMR Budget</b>	<b>\$23,261</b>
	<b>Minus Amount Spent:</b>	<b>\$23,261</b>
	<b>Balance</b>	<b>\$0</b>

**Completion Date:** June 30, 2005

## Final Results

The regional level energy use and production assessments were challenging because teams had difficulty finding consistent and region specific data sources. However, it is a necessary foundation for educating team members and providing a basis for making project prioritizations.

- Regional energy use and supply assessments completed
- Renewable energy and energy efficiency regional project priorities completed
- 54 case studies developed on existing projects in regions
- 22 presentations on website
- 12 FAQ technology fact sheets on website
- Financial incentives opportunities for projects on website

### Result 3: Develop regional clean energy action plans

**Description:** The goal is to assess and prioritize specific energy efficiency and renewable energy projects that have the greatest potential for implementation and prioritize methods to develop them. This task would include:

- Convening appropriate technical experts to analyze inventories and assess places within the region where pilot energy projects could improve efficiency and environmental performance;
- Assess cost and benefits of potential projects;
- Prioritize projects and select ones that present best opportunities;
- Draft regional clean energy action plans; and
- Develop final strategic regional implementation plan.

<b>Summary Budget Information for Result 3:</b>	<b>LCMR Budget</b>	<b>\$39,282</b>
	<b>Minus Amount Spent:</b>	<b>\$39,282</b>
	<b>Balance</b>	<b>\$0</b>

**Completion Date:** June 30, 2005

## Final Results

Creating a regional energy action plan was challenging for a largely volunteer based organization and required centralized staff and student researchers to create draft plans, facilitate stakeholder input, and complete the final versions. Creating the regional plans was a useful means of helping teams identify regional project priorities for future implementation.

- Identified University faculty and non-profit resources that could be used as technical assistants;
- Developed a Resource Assessment Table that will help regional teams screen and prioritize resources and projects;
- Leveraged additional funding from the UMN Initiative for Renewable Energy and Environment (\$50,000) and the Blandin Foundation (\$80,000) for action plan development and implementation, also enabling full funding of five regions (instead of only three).
- Developed list of project priorities, technical needs, and tasks for each region;
- Final regional energy plans completed and published;

- Distribution plan developed for CERTs and non-CERTs audiences;
- Developed statewide summary and PowerPoint presentation of cross-regional similarities, differences, and results;

**Result 4: Regional energy project implementation**

**Description:** The purpose is to begin implementing identified pilot projects to the extent that additional financial and technical resources can be secured within the two-year timeframe. This task would include:

- Drawing together specific stakeholders related to each identified project to pull together technical personnel and resources within teams to assess feasibility of community energy efficiency and renewable energy projects (such as technologies, resource needs, siting requirements);
- Developing project implementation plan and bring focused technical assistance to assist regions with implementing projects;
- Evaluating how best to introduce new technologies;
- Identifying resources to implement project; and
- Linking regional teams to resources and assist with project implementation.

<b>Summary Budget Information for Result 4:</b>	<b>LCMR Budget</b>	<b>\$33,320</b>
	<b>Minus Amount Spent:</b>	<b>\$33,320</b>
	<b>Balance</b>	<b>\$0</b>

**Completion Date:** June 30, 2005

**Final Results**

Working on energy project implementation was the most compelling reason for participation in CERTs – it is the concrete realization of their interesting in creating change. Although there hasn't been significant project implementation thus far, the teams will realize this goal more completely in Phase 2.

- Developing priorities to guide selection of pilot projects;
- Investigating funding sources for identified projects;
- Establishing technical experts for project planning and implementation.
  
- Central: developed list of questions for builders/contractors for sustainable building design; developed process for contacting county administrators about new building projects and contacting them about sustainable buildings guidelines; energy radio campaign in advance of Earth Day tour; two bus tours of local energy facilities
- Northeast: Wolf Ridge educational display being developed; solar and wind project at 2 schools being developed; two sessions sponsored at the Duluth Energy Design Conference;
- Northwest: funding a student to perform a comprehensive energy analysis of Crookston campus and to ultimately make recommendations on a sustainable campus project; facilitated connections between AURI, biomass growers, and EERC for gasification demonstrations and fuel testing; developing energy comparison online calculator;

- Southeast: held a biomass conference; biodiesel conference held in Olmsted County; conducted regional energy tour, involved in Earth Day event in Winona County; working on an educational outreach project; developed white paper and planning for project on distributed generation and transmission grid
- West-Central: bus tour of local energy facilities; UMN-Morris turbine commissioning and wind energy assessment project; co-organizing a biomass conference in Willmar; working with Willmar Municipal Utility and SEE program that includes presentations in schools; air source heat pump installed at Environmental Learning Center;

**Result 5:** Evaluation conducted and process improvements

**Description:** The purpose is to improve the regional and statewide energy planning process and develop a plan for continuation and expansion. This task would include:

- Developing framework for evaluation;
- Evaluating team’s process, make recommendations for improvements, determine future directions of program; and
- Developing continuation and expansion plan.

<b>Summary Budget Information for Result 5:</b>	<b>LCMR Budget</b>	<b>\$14,112</b>
	<b>Minus Amount Spent:</b>	<b>\$14,112</b>
	<b>Balance</b>	<b>\$0</b>

**Completion Date:** June 30, 2005

**Final Results**

Evaluation efforts are critical to sustaining CERTs member participation and the project’s future success. Feedback mechanisms ensure that participants have a voice in the planning process and the project is then adapted accordingly to their needs.

- Completed project evaluation with University of St. Thomas (see CD-rom);
- Collected meeting participant data;
- Developed meeting summaries;
- Collected process evaluations in regions;
- Reviewing the information and goals to provide feedbacks on data.
- Conducted survey of regional staff for process improvements;
- Statewide Conference evaluations completed;
- Summary of all meetings are in the final report appendices (see CD-rom)

**Result 6:** Wind Energy Development Project

**Description:** The wind energy development project will work with a minimum of two selected communities to install a wind turbine in each community and issue a financial rebate for the project. Communities are defined as multi-stakeholder coalitions that will develop a public, non-profit, or tribal wind turbine project, such as counties or municipalities, educational institutions, or non-profit community or nature centers.



The Department of Commerce will coordinate the projects by:

- Issuing a request for proposals for communities to participate in the project;
- Working with the selected communities to develop project parameters and provide technical assistance in project development; and
- Issue a financial rebate for the completed wind turbine projects.

Projects will be selected that maximize non-LCMR funds, promote local community involvement, provide geographic diversity across Minnesota, and provide ongoing educational opportunities and curriculum.

<b>Summary Budget Information for Result 6:</b>	<b>LCMR Budget</b>	<b>\$300,000</b>
	<b>Minus Amount Spent:</b>	<b>\$300,000</b>
	<b>Balance</b>	<b>\$0</b>

**Completion Date:** June 30, 2005

### **Final Results**

- Issued a request for proposals in the State Register on September 22, 2003 soliciting applications for two rebates of \$150,000 each for community-owned wind energy projects;
- Received 8 proposals by the November 13, 2003 deadline;
- Selected Carleton College/Northfield Public Schools (joint application) and the University of Minnesota-Morris on December 18, 2003;
- Carleton College contract signed on March 3, 2004;
- University of Minnesota-Morris contract signed April 21, 2004;
- Northfield Public Schools project withdrawn and on August 8, 2004 the Carleton College contract was amended to the full \$150,000;
- Carleton College completed a 1.65 megawatt wind turbine and held a public dedication ceremony September 25, 2004;
- University of Minnesota-Morris completed a 1.65 megawatt wind turbine and held a public dedication ceremony on April 22, 2005;
- Both wind turbines were completed on time and are operating successfully – each will continue to report information to the Department for a 20-year period.

### **V. TOTAL LCMR PROJECT BUDGET:**

**All Results: Personnel:** \$ 181,375

**All Results: Equipment:** \$ na

**All Results: Development:** \$ na

**All Results: Acquisition (professional services):** \$ 6,000

**All Results: Other (printing, communications, travel, supplies):** \$21,625

**All Results: Other (conferences):** \$10,000

**All Results: Other (wind energy financial rebates):** \$300,000

### **Revised Budget 6/1/05 (Minnesota Project)**

**All Results: Personnel:** \$186,046 (+\$4,671)

**All Results: Equipment:** \$ na

**All Results: Development:** \$ na

**All Results: Acquisition (professional services): \$5,925 (-\$75)**  
**All Results: Other (printing, communications, travel, supplies): \$20,575 (-\$1,050)**  
**All Results: Other (conferences): \$6,454 (-\$3,546)**  
**All Results: Other (wind energy financial rebates): \$300,000**

**Revised Budget 6/30/05 (University of Minnesota)**

**All Results: Personnel: \$186,297 (+\$251)**  
**All Results: Equipment: \$ na**  
**All Results: Development: \$ na**  
**All Results: Acquisition (professional services): \$5,936 (+\$11)**  
**All Results: Other (printing, communications, travel, supplies): \$20,313 (-\$262)**  
**All Results: Other (conferences): \$6,454**  
**All Results: Other (wind energy financial rebates): \$300,000**

**TOTAL LCMR PROJECT BUDGET: \$519,000**

**Explanation of Capital Expenditures Greater Than \$3,500:**

- Wind Turbines: Financial rebates totaling \$300,000 will be issued to a minimum of two selected communities once they have successfully installed and begun operation of their respective wind turbines. The wind turbines will have a minimum expected operating life of 20 years.

**VI. PAST, PRESENT AND FUTURE SPENDING:**

**A. Past Spending:**

- 1) Teams: none to date
- 2) Wind Turbines: none to date

**B. Current Spending:**

- 1) Teams:
  - \$191,300 in-kind project partner staff and resources
- 2) Wind Turbines:
  - \$3,104,608 local funding for the purchase and installation of the wind turbines
  - In-kind personnel time from the Department of Commerce and selected communities in the development of the wind turbine projects

**C. Required Match (if applicable): na**

**D. Future Spending:**

- 1) Teams:
  - \$300,000 CERTs Phase 2 LCMR Funding
- 2) Wind Turbines:

- \$30,000 annually for 20 years (estimate) on operations and maintenance

## **VII. Project Partners:**

### **A. Partners Receiving LCMR Funds:**

#### 1) Teams:

- The Minnesota Project - \$64,000
- University of Minnesota Regional Sustainable Development Partnerships - \$155,000

#### 2) Wind Turbines:

- Carleton College - \$150,000
- University of Minnesota-Morris - \$150,000

### **B. Project Cooperators:**

#### 1) Teams:

- Associated stakeholders in communities within regions

#### 2) Wind Turbines:

- Associated stakeholders in selected communities

## **VIII. DISSEMINATION:**

#### 1) Teams:

- stakeholder meetings, conferences, website, listserv, newsletter, educational curriculum in University of Minnesota

#### 2) Wind Turbines:

- press releases, newsletter articles, website, educational curriculum in local schools, universities, or learning centers

## **IX. LOCATION:**

### 1) CERTs Regions (map #1):

- Central (Region 1); Counties of Becker, Benton, Cass, Crow Wing, Hubbard, Mille Lacs, Morrison, Ottertail, Todd, Wadena, and Wilkin; Staples (main office); 56479
- Northeast (Region 2); Counties of Aitken, Carlton, Cook, Itasca, Kanabec, Koochiching, Lake, Pine, and St. Louis; Cloquet (main office); 55720
- Northwest (Region 3); Counties of Beltrami, Clay, Kittson, Lake of the Woods, Marshall, Mahnommen, Norman, Pennington, Polk, Red Lake, Roseau, and Wilkin; Crookston (main office); 56716
- Southeast (Region 4); Counties of Blue Earth, Dodge, Fairbault, Fillmore, Freeborn, Goodhue, Houston, Le Sueur, Mower, Olmsted, Rice, Steele, Wabasha, Waseca, and Winona; Lake City (main office); 55041
- West Central (Region 5); Counties of Big Stone, Chippewa, Douglas, Grant, Kandiyohi, Lac Qui Parle, McCleod, Meeker, Nicolett, Pope, Renville, Sibley, Stevens, Swift, Traverse, and Yellow Medicine; Morris (main office); 56267

2) Wind Turbines (map #2):

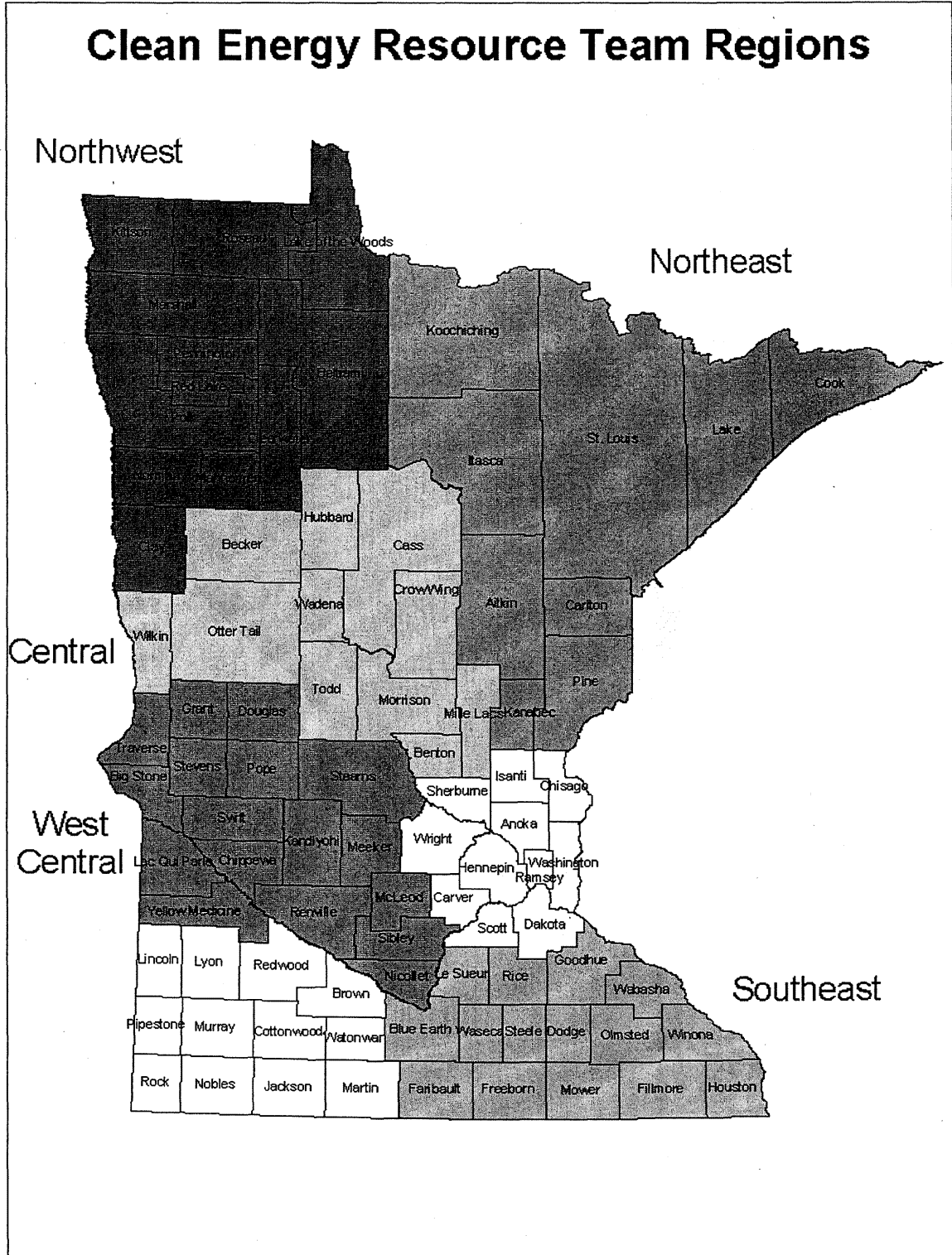
- Carleton College; Northfield, Minnesota; 55057
- University of Minnesota-Morris; Morris, Minnesota; 56267

**X. REPORTING REQUIREMENTS: Periodic work program progress reports were submitted not later than January 15 & July 15, 2004 and January 15 & August 5, 2005.**

**XI. RESEARCH PROJECTS: na**

**Map 1: Clean Energy Resource Team Regions**

(Updated 7/15/04 to reflect CERTs regional boundary clarifications; counties underlined> in section IX have been added/amended)

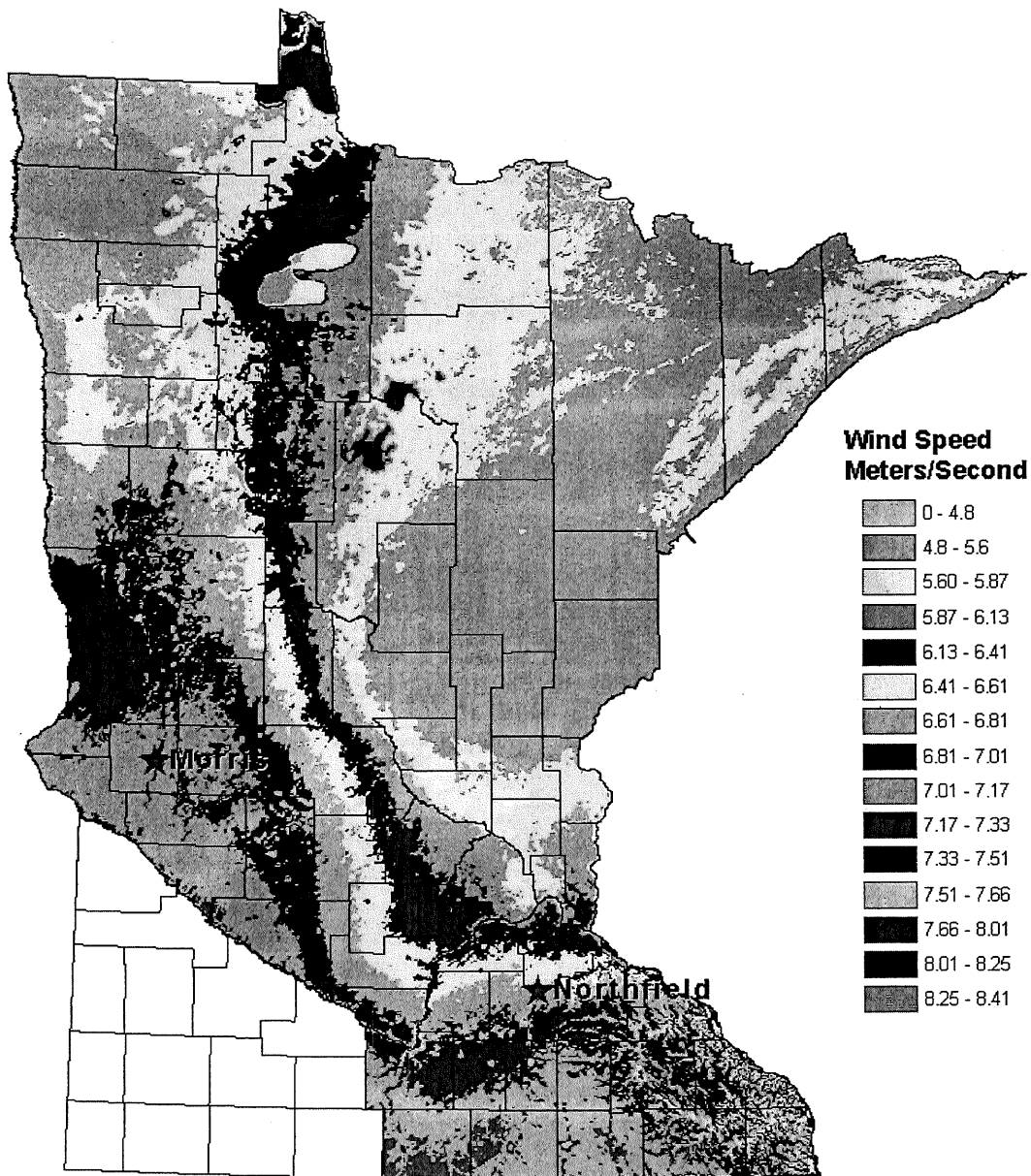


**Map 2: Wind Energy Development Project**

*The Community Wind Energy Development Project will issue a request for proposals to select wind turbine projects for financial rebates that are outside of the traditional wind resource areas in southwest Minnesota. Projects that maximize non-LCMR funds, community stakeholder involvement, and continuing education opportunities. This map shows Minnesota's wind resources and the areas of exclusion for the RFP.*

(Updated 7/15/04 to reflect location of Northfield and Morris wind projects.)

**Minnesota's Wind Resource  
by Wind Speed at 70 Meters**



Attachment A: Budget Detail for ... projects - Summary and a budget page for each partner

Proposal Title: Community Energy Development Program

Project Manager Name: Mike Taylor

LCMR Requested Dollars: \$519,000

2003 LCMR Proposal Budget	Result 1 Budget:	Amount Spent (6/30/05)	Balance (6/30/05)	Result 2 Budget:	Revised Budget (6/30/05)	Difference	Amount Spent (6/30/05)	Balance (6/30/05)	Result 3 Budget:	Revised Budget (6/30/05)	Difference	Amount Spent (6/30/05)	Balance (6/30/05)	Result 4 Budget:	Amount Spent (6/30/05)	Balance (6/30/05)	Result 5 Budget:	Amount Spent (6/30/05)	Balance (6/30/05)	Result 6 Budget:	Amount Spent (6/30/05)	Balance (6/30/05)	TOTAL FOR BUDGET ITEM
	Convene three Clean Energy Resource Teams			Perform a regional energy resource inventory					Develop regional clean energy action plans					Regional energy project implementation			Evaluation conducted and process improvements			Wind Energy Development			
<b>BUDGET ITEM</b>																							
<b>PERSONNEL: Staff Expenses, wages, salaries</b>																							
Minnesota Project Coordinator	\$7,000	\$7,000.00	\$0.00	\$5,000	\$5,000		\$5,000.00	\$0.00	\$4,000	\$4,000		\$4,000	\$0.00	\$3,500	\$3,500	\$0.00	\$2,500	\$2,500	\$0.00				\$0.00
Minnesota Project Assistant	\$5,671	\$5,671.00	\$0.00	\$2,000	\$2,000		\$2,000.00	\$0.00	\$2,000	\$2,000		\$2,000	\$0.00	\$3,500	\$3,500	\$0.00	\$575	\$575	\$0.00				\$0.00
UMN Sustainable Development Partnership Team 1 Coordinator (1 FTE)	\$20,333	\$20,333.00	\$0.00	\$2,834	\$2,834		\$2,834.00	\$0.00	\$7,394	\$7,394		\$7,394	\$0.00	\$5,500	\$5,500	\$0.00	\$1,667	\$1,667	\$0.00				\$0.00
UMN Sustainable Development Partnership Team 2 Coordinator (1 FTE)	\$20,333	\$20,333.00	\$0.00	\$2,834	\$2,834		\$2,834.00	\$0.00	\$7,394	\$7,394		\$7,394	\$0.00	\$5,500	\$5,500	\$0.00	\$1,667	\$1,667	\$0.00				\$0.00
UMN Sustainable Development Partnership Team 3 Coordinator (1 FTE)	\$20,333	\$20,333.00	\$0.00	\$2,833	\$3,044	\$211	\$3,044.00	\$0.00	\$7,394	\$7,394		\$7,394	\$0.00	\$5,500	\$5,500	\$0.00	\$1,666	\$1,666	\$0.00				\$0.00
<b>PERSONNEL: Staff benefits</b>																							
Minnesota Project Coordinator	\$1,500	\$1,500.00	\$0.00	\$1,250	\$1,250		\$1,250.00	\$0.00	\$1,000	\$1,000		\$1,000	\$0.00	\$875	\$875	\$0.00	\$625	\$625	\$0.00				\$0.00
Minnesota Project Assistant	\$500	\$500.00	\$0.00	\$500	\$500		\$500.00	\$0.00	\$500	\$500		\$500	\$0.00	\$875	\$875	\$0.00	\$125	\$125	\$0.00				\$0.00
UMN Sustainable Development Partnership Team 1 Coordinator	\$5,226	\$5,226.00	\$0.00	\$820	\$820		\$820.00	\$0.00	\$1,900	\$1,900		\$1,900	\$0.00	\$1,415	\$1,415	\$0.00	\$429	\$429	\$0.00				\$0.00
UMN Sustainable Development Partnership Team 2 Coordinator	\$5,226	\$5,226.00	\$0.00	\$820	\$820		\$820.00	\$0.00	\$1,900	\$1,900		\$1,900	\$0.00	\$1,415	\$1,415	\$0.00	\$429	\$429	\$0.00				\$0.00
UMN Sustainable Development Partnership Team 3 Coordinator	\$5,226	\$5,226.00	\$0.00	\$820	\$860	\$40	\$860.00	\$0.00	\$1,900	\$1,900		\$1,900	\$0.00	\$1,415	\$1,415	\$0.00	\$429	\$429	\$0.00				\$0.00
<b>Contracts</b>																							
Professional/technical - computer consultants for website	\$2,325	\$2,325.00	\$0.00	\$900	\$904	\$4	\$904.00	\$0.00	\$900	\$907.00	\$7.00	\$907.00	\$0.00	\$900	\$900	\$0.00	\$900	\$900	\$0.00				\$0.00
Space rental: NOT ALLOWED	X							\$0.00					\$0.00								X		
Other direct operating costs - statewide and regional conferences	\$6,454	\$6,454.00	\$0.00					\$0.00					\$0.00										\$0.00
Printing	\$3,600	\$3,600.00	\$0.00	\$500	\$500		\$500.00	\$0.00	\$800	\$800		\$800	\$0.00	\$700	\$700	\$0.00	\$1,000	\$1,000	\$0.00				\$0.00
Advertising	\$250	\$250.00	\$0.00					\$0.00					\$0.00										\$0.00
Communications, telephone, mail, etc.	\$1,450	\$1,450.00	\$0.00	\$950	\$695	-\$255	\$695.00	\$0.00	\$1,000	\$993.00	-\$7.00	\$993.00	\$0.00	\$1,125	\$1,125	\$0.00	\$1,000	\$1,000	\$0.00				\$0.00
Office Supplies - conference	\$1,000	\$1,000.00	\$0.00					\$0.00					\$0.00										\$0.00
Office Supplies - general	\$500	\$500.00	\$0.00	\$100	\$100		\$100.00	\$0.00	\$100	\$100		\$100	\$0.00	\$100	\$100	\$0.00	\$100	\$100	\$0.00				\$0.00
Travel expenses in Minnesota	\$2,100	\$2,100.00	\$0.00	\$1,100	\$1,100		\$1,100.00	\$0.00	\$1,100	\$1,100		\$1,100	\$0.00	\$1,000	\$1,000	\$0.00	\$1,000	\$1,000	\$0.00				\$0.00
Other (wind turbine rebates)								\$0.00					\$0.00										\$0.00
<b>COLUMN TOTAL</b>	<b>\$109,027</b>	<b>\$109,027.00</b>	<b>\$0.00</b>	<b>\$23,261</b>	<b>\$23,261</b>	<b>\$0</b>	<b>\$23,261.00</b>	<b>\$0.00</b>	<b>\$39,282</b>	<b>\$39,282</b>		<b>\$39,282.00</b>	<b>\$0.00</b>	<b>\$33,320</b>	<b>\$33,320.00</b>	<b>\$0.00</b>	<b>\$14,112</b>	<b>\$14,112.00</b>	<b>\$0.00</b>	<b>\$300,000</b>	<b>\$300,000.00</b>	<b>\$0.00</b>	<b>\$0.00</b>

Attachment A  
taken from "draft"  
final report