



Minnesota Alternative Energy Partnership Planning Questions

1. What is the initial vision of the lead partner/Partnership?

To implement renewable energy projects at numerous Minnesota educational institutions for the purpose of providing learning experiences about these technologies. The educational institutions will include k-12, secondary education, colleges & universities and adult learning centers.

2. What is the Partnership's initial focus and structure?

The initial focus will be on K12 and University institutions throughout Minnesota.

3. Who does the Partnership identify as potential "partners"? What are the proposed responsibilities of these "partners"?

Partners will be the educational institutions who are actively pursuing or have installed renewable energy projects.

4. What are the Partnership's targeted building sectors?

Buildings that are part of Educational institutions. These will include many k-12 buildings, college & university buildings, and some commercial buildings.

5. What are the Partnership's initial goals for building performance, EE projects and activities? Square footage? Energy reduction?

By July 1, 2005 the project partners will be generating 13,500,000 kWh annually of electrical energy from renewable energy sources.

6. How will building improvements fit in with local priorities?

Local educational institutions will work with community partners to develop funding, implementation, and education plans for the projects.

7. How will the activities of the Partnerships be supported?

Activities will be supported with funding from state, federal, and utility incentive programs, as well as local match, to implement renewable technology installations

8. What is the Partnership's time frame-schedule?

The Partnership currently has six partners with alternative energy generating systems either in operation or under development. A total of 10 partners are expected to be enlisted by the end of 2004.

in operation and has 3 projects under development and 3 that are completed.

Project details:

- Carleton College, 1.65 MW wind turbine, 4,750,000 kWh/yr estimated generation, construction completed fall 04
- Northfield Public Schools, 1.65 MW wind turbine, 4,750,000 kWh/yr estimated generation, construction completed fall 04
- University of Minnesota-Morris, two 0.95 MW wind turbines, 5,000,000 kWh/yr estimated generation, construction completed spring 05
- Macalester College, 10 kW wind turbine, 5,000 kWh/yr estimated generation, operational
- BattleCreek Elementary School, 11 kW photovoltaic system, 12,000 kWh/yr estimated generation, operational
- University of Minnesota-Twin Cities, 15 kW photovoltaic system, 16,500 kWh/yr estimated generation, operational