



ACORN

Jaques Chapter Izaak Walton League of America
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2010 Jaques Chapter Meeting Schedule

Feb. 4 - Business Meeting – All members are urged to attend to plan future chapter programs and activities. - Wildwood Library- 6:30 p.m.

March 4 - *Precious Waters* - Executive Director Paul Danicic of the Friends of the Boundary Waters Canoe Area Wilderness will discuss sulfide mining near the protected area and the hazards this type of mining may present. Additional information in next *Acorn* - Wildwood Library- 6:30 p.m.

April 1 – Business Meeting

May 6 – BWCAW Expansion – Adding 49,000 acres to the BWCAW- Speaker to be announced.

June 3 – Tentative plans - picnic/meeting at the Schuneman Marsh

Solutions to Global Climate Crisis



You are invited to dynamic presentations about global climate and environmental issues. Sessions are held the third Wednesday of the month at 7:30 p.m. at the White Bear Unitarian Universalist Church, 328 Maple St., Mahtomedi. 651-426-2369. The series is hosted by the WBUUC Climate Crisis Committee. It is free and all are welcome.

February 17. ***Global Climate & Environmental Legislation*** This session will focus on current climate and environmental legislation. Speaker to be announced.



Proposed Wind Turbine Discussed at Nov. Meeting

Over 30 community members learned some of the basics of building a wind generator as a source of renewable energy at the Jaques Chapter public meeting on November 2 at Wildwood Library. Jeff Ledermann of the Mahtomedi Area Green Initiative (MAGI) gave a brief history of the project until project manager Mario Monesterio joined the group. Monesterio presented a power point presentation on building a small generator.

Erecting a wind turbine in Mahtomedi has been a program in the making for three years. The goals are to make the small 110 foot tower an example of a renewable energy source which will be used for educational purposes at Mahtomedi High School which is involved in an impressive Engineering Leadership Program. Students can monitor the equipment and will apply learning in math, physics, engineering. The turbine will also produce power to be credited to the school. The tower will be constructed near the Mahtomedi water tower and the Zephyr football field on property donated by St. Andrews Lutheran Church.

The generator is a Ventera 10kW made by the world's largest producer of small turbines that is located in St. Paul. It will be about 110 feet high with blades reaching a diameter of 22 feet. The head rotates.

The wind speed is expected to be about 11 mph at the Mahtomedi site.

A few wind facts: The higher you go, the stronger wind. It is generally windier in the winter than summer. There is more wind in the day than night. Good wind areas are by lakes, on the crest of long slopes, mountain passes, open terrain, in valleys that channel the wind.

Electricity generated feeds into the grid through a meter that gives credits for energy produced. The generator is expected to produce 1,125 kWh per month.

St. Andrews has okayed the use of their property for the project. The Mahtomedi City Council has passed an ordinance to allow construction of the tower. Other communities are building their own generators.

The cost of the project is estimated at \$75,000. Jaques Chapter will match funds donated by Chapter members up to a total of \$1000 so make your donation to the Mahtomedi Area Education Foundation (MAEF) for building of the tower. Send donations to MAEF, 1520 Mahtomedi Ave., Mahtomedi, MN 55115 and note that it be used for the wind turbine. Be sure you state that you are a Jaques Chapter IWLA member and ask for a receipt to be sent to Treasurer Rick Vanzwol at 9750 Jamaca Ave. N., St Paul, MN 55115. The chapter will then match your donation.

