



The results of Positive Power's first wind resource assessment are in and the news is good! This exciting news brings the (first) goal that PPC has been working towards, one step closer to completion. So what do we do when we've finished one wind resource assessment; naturally, we start the next one. Read on for details, and enjoy the summer.

-The Communications Group

Powerful Progress!

Hamilton's Drumlin has good wind

After a year of collecting and analyzing data, MK Ince and Associates has provided Positive Power with the final report on the Flamborough Wind Resource Assessment. Although a lot of different wind data was collected, the bottom line is that the wind speed, direction and potential energy measurements all indicate that the site is viable!

Based on the final report and preliminary analysis provided to us, Positive Power has determined that the site is suitable for a wind turbine, so planning for the next phase of work has begun. Average wind speed over the 12-month study was measured at 6.1m/s at 50m high, which is a good speed for the site. The wind patterns at the site show higher wind speeds in the winter, and that the best winds predominantly blow from the West and the West-Southwest, which is typical of wind in Southern Ontario. The data collected at the Drumlin site also shows some similarities to historical data that is available from the Hamilton Airport and Valens Conservation Area. A number of other technical measurements were taken to help further determine the suitability of the site – an important consideration when siting a turbine.

The Technical Committee will now take this data and do some more in-depth comparisons to other local data and Positive Power will also be undertaking some modeling to help determine project costs and decide on the turbine model that will be best for the site. Special thanks to all Positive Power volunteers that assisted MK Ince and Associates with the anchor installation, tower construction and erection, and the decommissioning.

Funders and Partners, Lunch and Learn

Positive Power celebrated the successful completion of our Flamborough wind resource assessment (WRA) with a presentation to the funders that made the study possible. On June 16th, Positive Power was joined by representatives from the Hamilton Community Foundation, the Conserver Society of Hamilton and District, the Ontario Sustainable Energy Association, the Ontario Trillium Foundation and representatives from the media at a Lunch and Learn session to discuss the results of the WRA. We also presented our final reports to the Hamilton Community Foundation, who provided \$30,000 in funding for the WRA, and the Conserver Society, who partnered with us for the funding submission. A final report is being prepared for the Hamilton-Wentworth Stewardship Council, who provided first stage funding for the anchor installation.

Wind Resource Assessment Results

Month	Wind Speed @ 50m
Apr 03	6.6 m/s
May 03	6.0 m/s
Jun 03	5.8 m/s
Jul 03	5.3 m/s
Aug 03	4.4 m/s
Sept 03	5.8 m/s
Oct 03	5.9 m/s
Nov 03	6.5 m/s
Dec 03	6.7 m/s
Jan 04	7.4 m/s
Feb 04	6.5 m/s
Mar 04	6.4 m/s
Avg Wind Speed: 6.1 m/s	

Data is provided by PPC for educational purposes only. PPC does not accept liability for use or misuse of this data by any 3rd party for any wind energy project that they undertake.

Positive Power was very excited to provide a final report to the funders and release information to the media and the general public about the WRA. We were particularly excited to be able to announce that the results of the assessment indicate that the site is viable and we can go forward with planning the wind turbine project. The completion of this study is an important step in the utility grade wind turbine project- it gives Positive Power a strong technical basis for planning and it is an important milestone for us as the first major scientific study completed by the co-op. The knowledge the co-op volunteers, Directors and staff have gained from this study will be invaluable to the organization as we plan and implement future projects, and we hope to share this knowledge with other community groups and renewable energy co-ops throughout Ontario. The report was well-received by those present, and Positive Power received a number of mentions in the media as a result of this event – which has increased interest within the community.

[Call for Volunteers: Cost Accountants and Financial Forecasters Wanted](#)

As we enter the next phase of development for the Flamborough site, money issues are becoming a key component of the work we are doing.

The Finance Committee is looking to expand its membership to include persons with skill in cost-accounting and financial forecasting as the Board of Directors considers a variety of models for financing its first Utility Grade Wind Turbine.

The committee welcomes as well those who are willing to become familiar with, and assist in, the day-to-day financial operations of our co-operative. Please contact Jen Heneberry (905-971-5366) in person or with suggestions about members with such interest and skills.

Positive Power would like to extend our thanks to the funders that assisted with the wind resource assessment: to the Hamilton-Wentworth Stewardship Council for their \$5,000 contribution to the first stage anchor installation; to the Conserver Society of Hamilton and District for agreeing to partner with Positive Power on a joint funding application; and, to the Hamilton Community Foundation for their \$30,000 contribution to the WRA. The contributions of these funders and supports made it possible for Positive Power to complete the WRA, and we are grateful for their support.

Now that this phase of the project has been completed, Positive Power will now start to examine the project financing as a whole, including needed funds to support the Environmental Assessment and other technical studies, and the final construction phase of the project.

If you are interested in learning more about the wind resource assessment or about the material presented to the funders, you can visit the [other WRA material on our website](#) or contact Jen Heneberry, Project Coordinator (905-971-5366 or info@positivepowerco-op.com).

[Positive Power can feel the winds off Lake Erie!!!!](#)

This past weekend (June 26 & 27), Positive Power Co-op erected our first Wind Resource Assessment (WRA) tower along the north shore of Lake Erie in Haldimand County. This marks the start of our second WRA in just over 18 months of existence as an organization.

This monumental event was made possible following months of planning, negotiations, meetings, applications and good old-fashioned hard work from our dedicated group of volunteers and PPC Board of Directors. As Project Lead for Lake Erie, I personally thank all those who have helped, with special note of the following folks:

- The PPC Board of Directors, with key roles assumed by Jon Norman, Jim Salmon & Dan Hall
- Haldimand County Hydro and Haldimand County Administration
- Wassink Bros. Construction and Zephyr North (for the use of their equipment)
- Dave Laporte (PPC Volunteer, Zephyr North employee and the man who co-ordinated erecting the tower)



The volunteers who were on-site for the tower erection:

- Ken Baigent, Dave Bagnarol, Tanya Dhir, Dave Knight, Dave Laporte, Paul Tanner & Albert Wassink

Highlights from the weekend!

We started at 8:30 am on Saturday the 26th and assembled the tower at ground level, including all instrumentation and wiring, having this completed by 3:00 pm. The winds were quite high, including significant gusts and this was validated with our anemometer tests that registered average wind speeds of 6 m/s. Unsure if we should proceed or wait until Sunday, we checked the Environment Canada forecast that indicated more stable winds for Saturday evening and significant gusting for Sunday. So..... our dedicated group of volunteers elected to forgo our supper plans with the landowner and work into the evening. The tower was up and secured by 9:00 pm, just as the sun was setting. Our team of volunteers (sun burnt, wind burnt, and exhausted) were delighted to see that the landowner had arranged a BBQ supper for us, that was thoroughly enjoyed on their deck until the last of our group departed at about 10:30 pm.

Back on the job at 8:30 am Sunday morning was Dave Laporte and myself. We spent the day ensuring the tower was perfectly straight, that all guy wires were properly adjusted for tension, hooked up all the electronics and finished up by performing an extensive testing of the sensors and the data logger. Following a one hour testing period, we were pleased to have recorded several "10-minute" data intervals that were between 6 and 10 m/s. There were even some peak wind speeds recorded over 14 m/s. By 6:00 pm, Dave & I were all packed up and heading back to our homes for some well-earned rest and relaxation.

On behalf of Positive Power Co-op, I again thank all those involved to help us accomplish this major milestone. There are many project milestones ahead such as wind farm design, connection to the grid, power purchase agreement, environmental assessment, financial modeling, community involvement and integration with government and the business community. It's a complicated process, however our broad base of talented PPC members, in partnership with the key stakeholders in this green energy project, are up to the challenge.

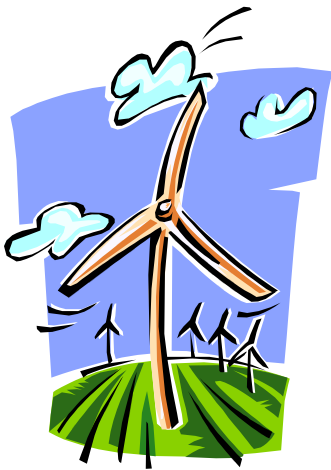
Let's have fun & get the job done!!!!

Ken Baigent
Project Lead, Lake Erie

Message from the Board

The Board is grateful to all the members and volunteers of PPC for their never ending interest in the growth of Positive Power. Our many accomplishments are a testament to the energy and passion that members and supporters bring to PPC.

Our recent successes have been many. As you know, the WRA at Hamilton's Drumlin was very positive and we are now ready to move onto the next stage of project development. We continue to build our profile in the community through outreach and by acting as a resource for local media. Equally exciting was the recent confirmation from the Trillium Foundation that our second year of funding has been formally renewed. This show of support reflects the impact each of you are making on the organization and our collective impact on the community. This renewed funding is also thanks to the unwavering leadership and commitment of Jen Heneberry, PPC Project Coordinator. The board—and in fact, the entire organization—is indebted to Jen for all she brings to Positive Power.



As we start thinking about the AGM in the fall, the Board will continue to focus our energies on building an organization that is ready for long term success. The concept of 'good governance' is one that we see every day in the media and one that the PPC Board of Directors is fully committed to. We are working hard to establish clear roles and responsibilities for the organization and leveraging this clarity to reach our goal of 'putting blades in the sky'. The Board understands that sustainable revenue and on-going volunteer engagement are two of the most powerful opportunities that lie ahead.

The pieces of the puzzle are coming together. Unwavering dedication from our members, support and encouragement

from our funders, talented staff and a vision focused board are an exciting combination. Thank you for your time, resources and support. You and your talents are making a difference.

With many regards,

Curt Hammond –
519.846.8130 –
helier@allstream.net

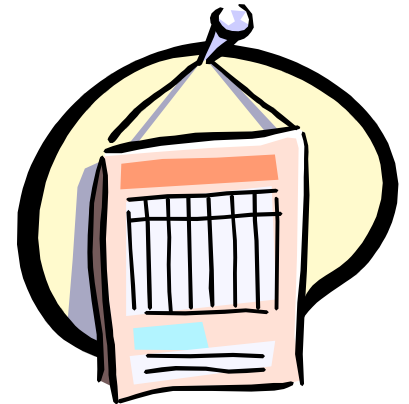
PS - Nomination forms for the 2004/2005 Board will be going out in August along with additional information about the Annual General Meeting (November 2004). If you are interested in learning more about the Board and our model of governance please feel free to contact me. A complete job description is available to members interested in learning more about sitting on the Board of Directors.

For information on other ways to get involved with Positive Power initiatives, please contact Jen Heneberry, Project Coordinator at 905-971-5366.

One More Time! Important Notice About Membership Renewals

Hear ye, hear ye! Positive Power has moved to a standard membership renewal date!

In order to make membership renewals a little easier, and have them all fall in line with Positive Power's fiscal year-end, we've instituted a standard member renewal date of September 30th. All memberships in the co-op will be good from October 1st of one year to September 30th of the next. This change will also make it easier to ensure that most memberships are in good standing for the Annual General Meeting that PPC holds each year in the fall (November).



What does this mean for new members?

If you joined the co-operative or renewed last year's membership before March 31st, 2004, your membership will be good until September 30th, 2004.

If you join the co-operative or renewed last year's membership between April 1st, 2004 and September 30th, 2004, your membership will be good until September 30th, 2005.

In some cases, members will get slightly more or in some cases, slightly less than 12 months out of their membership fee depending on when they join. This will only occur in the first year of membership.

I have some questions. Who can I contact?

Contact Jen Heneberry, Project Coordinator (info@positivepowerco-op.com or 905-971-5366) will be sending out renewal notices and working with Don Brown, Treasurer to ensure that renewals and new member sign-ups run smoothly and efficiently.

About the Communications Group: The communications group is a multi-disciplinary team of stylin', intelligent, and modest people. Our goal is to provide a platform for co-op to get the message out. We will be dealing with both internal and external stakeholders gearing messages towards potential members, community and other interested parties. In addition, we will release periodic press releases as major events or announcements regarding Positive Power occur. Please feel free to contact Chris Palin with your comments, constructive criticism, content, or concerns at 905-330-0370.