

**DISTRICT OF HUDSON'S HOPE**  
**SPECIAL MEETING**  
**HELD IN THE DISTRICT OFFICE COUNCIL CHAMBERS**  
**WEDNESDAY, OCTOBER 17, 2007 AT 3:00 P.M.**

Present **Council:** Mayor Harwood; Councillors, Anderson, and Johansson  
**Staff:** Mike Ryder, Director of Works and Protective Services and Hollie Micholuk,  
Office Assistant  
**Others:** Patrick Earle, Ken Miller, Ross Peck, Deborah Peck and Terry Peressini

**Peace Canyon Energy Corporation Presentation**

Patrick Earle and Ken Miller from Peace Canyon Energy Corporation gave a presentation to Council on opportunities for Independent Power Production on the south end of the Peace Canyon Dam site. The proposal is a low impact run of the river turbine/generation project that would include twelve sites in British Columbia, starting with Peace Canyon. The physical properties of the river at the proposed site and the fact that it is immediately downstream of an existing BC Hydro facility can all but eliminate environmental concerns and dramatically reduce installation costs. Originally development for tidal and open ocean environments, Vertical Axis Turbines are durable, versatile, and inexpensive to manufacture.

Council and members of the public reviewed and discussed the potential project and the following issues were brought up:

- how will this project affect the Site 'C' project;
- is there any funding involved and what is the projected cost;
- will there only be one turbine site, or will more sites be put further down stream, and how will this affect the marine life;
- have the vertical axes turbines been used in freshwater before;
- what were the concerns from BC Hydro representatives;
- have first nations had the opportunity to input concerns;
- what the affects be if the river level dropped, would this be a detriment to the operation of the turbines;
- will the turbines be monitored, will it bring local employment opportunities;

Peace Canyon Energy Corporation representatives responded to the concerns with these comments:

- what we are proposing would not supply enough power to eliminate the site 'C' project, site 'C' therefore would not be affected;
- we have applied for federal funding through the Sustainable Development Technology Centre, and the National Research Council in Toronto is in support of our project;
- we would only propose one site due to increasing amounts of spawning fish, ice and debris further down stream, mesh nets are not used to prevent marine life from getting into the turbines because they can slow down the water flow rate, in our saltwater facilities the fish seem to avoid the turbine or swim right through it;
- there are facilities where the vertical axes are being used in freshwater in Korea, they have been successful;
- we met with several departments from BC Hydro and they were very encouraging and open to our project;
- we have met with West Moberly representatives and we will be meeting with all

- municipalities, fisheries, stake holders, and first nations;
- if a significant drop in the water level occurred the turbines stop, without the flow of water they would stop as they are self starting;
- output levels would constantly be monitored, we would likely have 4-6 employees, it would be hands on maintenance, less than six hours to do a turbine repair;

Peace Canyon Energy Corporation is applying for an investigatory permit with Front Counter BC to allow for testing. This will enable them to conduct tests next spring to determine how to install the turbine arrays. Testing will be completed by the end of June at which time we will begin the installation of a 10 mega watt permanent facility. It is their belief that a fully developed site could yield as much as 60 mega watt of continuous, passive harvest electricity, adding to the energy grid province wide.

**ADJOURNMENT**

The meeting adjourned at 3:40 pm.

Certified Correct:

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Clerk

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Mayor