



SOUTH NATION
CONSERVATION
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INNOVATIVE TECHNOLOGY TO HARVEST ELECTRICITY AT

CRYSLER

November 21, 2006

(NOTE TO EDITORS: A photo opportunity is available Nov. 22, 11:15 am, at SNC headquarters, Berwick, of the signing between the board and Tweedsmuir.)

An electricity producing patented "water harvesting system" will be embedded in the Chrysler Dam after an agreement is signed this week (Nov. 22) between the South Nation Conservation board of directors and Ottawa-based firm Tweedsmuir Green Power Group.

Known as the "Salmon River Wheel", the new turbine technology was developed in Ontario and designed to produce electricity from dam sites with drops in height of less than three metres. The Chrysler site has a drop of 2.5 metres.

The agreement with TGPG will be at no cost to SNC which will receive a royalty for use of the Chrysler site. When fully operational, the system is expected to produce about 120 kilowatts year-round, enough to power 100-150 homes.

Once the project gets final environmental approvals and financing is in place, the two parties will work to put a similar system at the Chesterville Dam, said SNC General Manager Dennis O'Grady.

Electricity produced will be sold to Hydro One according to Ontario's new Renewable Energy Standard Offer Program (RESOP) under which the province agrees to purchase green power generated by small producers for a 20-year period at a fixed price.

"Everybody wins," O'Grady said. "Water already going over the dam will be used for electricity generation without any ill effects on the environment and green power will be added to the grid."

TGPG president Alf Chaiton and members of his team, including Salmon River Wheel developer Terry Godsall, will be on hand for the signing. Chaiton called the Chrysler project an ideal case study.

"Water has been flowing over the dam for years, and using this asset to produce power means that residents and consumers are the ultimate winners."

RESOP enables small renewable energy projects by removing barriers to participation in electricity markets. In 2004, the Ontario government set a target to produce five per cent (1,350 megawatts) of electricity from renewable sources by 2007, and 10 per cent (2,700 megawatts) by 2010.

Such projects help the government achieve broad objectives such as clean air and improved energy supply. As well, such generation projects can improve reliability of the electricity system. Sites such as the Chrysler Dam that take advantage of existing structures and the established grid system are especially encouraged.

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