

## ENERGY STAR Windows and EnerGuide 80 Energy Report

In September 2005, BC Hydro Power Smart entered into a partnership with the Ministry of Energy Mines and Petroleum Resources for financial funding to assist in delivering two programs, the Windows Rebate Program and the Power Smart New Home program. The Ministry of Energy Mines and Petroleum Resources (MEMPR) has provided financial incentives from Canada's Opportunities Envelope funding to encourage the adoption of energy efficiency and renewable energy technologies.

BC Hydro has endorsed the following energy efficiency targets:

- Achieve an EnerGuide for New Houses rating of 80 by 2010, reducing average energy consumption in new single family and row house residential buildings by 32%
- Reduce energy consumption in 16% of existing single family and row house residential buildings by an average of 9% by 2010

In support of the two Power Smart programs, BC Hydro Power Smart acknowledges the Provincial and Canadian government's financial contributions towards achieving energy efficiency in British Columbia.

Estimated energy savings achieved from September 2005 to March 2007, along with green house gas emission reductions are as follows:

		GWh	GJ	Co2	\$/GJ	\$/tonne
Project 1	New Homes	0.007	16.91	3.24	\$24.46	\$308.38
Project 2	Windows	2.024	16,950.10	1,576.08	\$38.83	\$597.10
<b>TOTALS</b>		<b>2.031</b>	<b>16,967.01</b>	<b>1,579.32</b>	<b>\$38.81</b>	<b>\$596.51</b>

It is anticipated by December 31, 2007 based on agreements with builders that the estimated energy and green house gas savings for both programs will be:

		GWh	GJ	Co2	\$/GJ	\$/tonne
Project 1	New Homes	3.759	4,287.49	1,567.51	\$40.29	\$458.05
Project 2	Windows	4.447	21,072.64	2,654.52	\$30.66	\$428.25
<b>TOTALS</b>		<b>8.206</b>	<b>25,360.12</b>	<b>4,222.03</b>	<b>\$33.78</b>	<b>\$439.31</b>

BC Hydro initiated a number of activities from September 2005 to March 31, 2007 including advertising, manufacturer and retailer negotiations, co-operative advertising, presentations, trade ally partnerships and website promotions to support the programs. In addition, a partnership with MEMPR allowed BC Hydro to provide incentives to window manufacturers for certification testing and simulation to achieve an ENERGY STAR label on their window products.