

# CWSF 2005 - Vancouver, British Columbia



## Dustin Hughes

### It's Raining... Carbon?

**Division:** Earth & Environmental Sciences

**Category:** Senior

**Region:** Timmins

**City:** South Porcupine, ON

**School:** Timmins High & Vocational School

**Abstract:** A wind column transforms downward flowing air, producing 89 MWh of continuous energy, removing 26 Gt/a of atmospheric CO<sub>2</sub>, using H<sub>2</sub>O, CaO and 55t of radioactive nuclear waste. The process provides a means to achieve the Kyoto protocol, leading to environmental sustainability by using atmospheric CO<sub>2</sub> as a recyclable fuel.

Awards	Value
UBC Science (Vancouver) Entrance Award Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$2 000
The University of Western Ontario Scholarship Silver Medallist - \$1500 Entrance Scholarship Sponsor: University of Western Ontario	\$1 500
Silver Medal - Earth & Environmental Sciences - Senior Sponsor: Petro-Canada	\$700
<b>Total</b>	<b>\$4 200</b>