

CWSF 2008 - Ottawa, Ontario



Electricity From Snow

Division: Health Sciences / Environmental Innovation

Category: Junior

Region:

City: ,

School:

Abstract: This project looks at whether it is possible to use snow and air at room temperature to make electricity using a Peltier module, which produces electricity when there is a temperature differential between its two sides. A home-designed thermoelectric generator was used to determine that snow at 0°C and air at 20°C does not create a big enough temperature differential to generate 1 volt.

Awards	Value
Renewable Energy Award - Junior Sponsor: Ontario Power Generation	\$500
Honourable Mention - Engineering - Junior Sponsor: Youth Science Foundation Canada	\$100
Total	\$600