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