





Roopa Suppiah

Sun Shines on Wind Power

Division:	Engineering & Computing Sciences
Category:	Intermediate
Region:	Renfrew County
City:	Deep River, ON
School:	Mackenzie H.S.
Abstract:	My project studied a method of increasing energy production from a vertical axis windmill by incorporating solar panels onto the blade surface. Windmill-blade design and speed of rotation affected wind and solar energy production. Blade rotation was found to increase the combined power production from this novel design.

Awards	Value
AECL Award for Excellence in Science - Intermediate	
Sponsor: Atomic Energy of Canada Ltd.	
Honourable Mention - Automotive - Intermediate	
Sponsor: AUTO21	
Honourable Mention - Earth & Environmental Science - Intermediate	
Sponsor: Petro-Canada	
Total	



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