

## CWSF 2013 - Lethbridge, Alberta



### Nicole Moulaison

#### Wind Turbine Efficiency: 2nd time around

**Challenge:** Energy

**Category:** Intermediate

**Region:** Tri-County

**City:** Smith's Cove, NS

**School:** Digby Regional High School

**Abstract:** "Wind Turbine Efficiency 2nd Time Around" is a continuation of the project "Wind Turbine Efficiency." This years project tested the top four turbine designs from "Wind Turbine Efficiency" to determine which design generated the most voltage, which is one component of electricity.

#### Biography

I live in the small town of Digby, Nova Scotia but I was born in St. John's, Newfoundland. I go to Digby Regional High School. I am in many activities such as: Band, Basketball, Dance and Soccer. A few years ago NS Power started a project to build twenty wind turbines in Digby Neck, which is just outside of Digby. When they finished, I went to look at the turbine farm and I thought they were really cool. But that got me thinking, could there be a better design? This is where my inspiration for my first project. This year I continued my research from last year and it worked out great. Next year I plan to contact NS Power and tell them about my findings and do any further experiments I need to prove to them my point. For anyone who is considering doing a science fair project, I say do it because you will never know how far it will take you.

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