

# CWSF 2016 - Montreal, Quebec



## Abd-alrahman Tawhid

### Energy Saver 202

**Challenge:** Energy

**Category:** Intermediate

**Region:** Cariboo Mainline

**City:** Kamloops, BC

**School:** Sa-hali Secondary

**Abstract:** The purpose of the project is to design and develop an app as well as a gadget that will have useful to our life situations and human benefit. The goal of the project is not only to cut the bill of the consumption to energy (e.g., electricity) but also maintain sustainable energy resources that will last us for the decades to come.

### Biography

Rahman Tawhid is in grade 9. My interest is solving real life applications based on Mathematics and computer. I like to explore and dig in problems regardless the time spent. I've anticipated in Science Fair since 2011. I've been fascinated about "Go Green" and interested in energy. I was a co-investigator for a project on using solar energy for cooking and entered it in 2011. Another project was using a Raspberry Pi to measure the temperature inside home and controlling it outside your home. In the current project, I asked myself can one design an app to cut the bill of electricity at home. The answer was an affirmative that is the inspiration of my project. Enhancing my app and making it user-friendly where anyone can use it. I need to get more data, use statistics to do analysis, and tools from phython to have a nice interface for my app. A long term for this project is to extend this app from residential to industry. It is important to select a project that will be useful to our real life problems. Also, it is essential that you continue in the project to enhance it as much as you can.