Electrical/Computer Engineering Design Project Proposal

Title: *Energy plan for Newfoundland*
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Description

Newfoundland government released an energy plan few years back. A copy may be found at www.gov.nl.ca/energyplan/EnergyReport.pdf That document basically talk about policy and government plan to implement that. That document does not talk about what is most suitable energy mix for Newfoundland and does not provide any policy for that. In this project we will determine the most suitable energy mix for Newfoundland and provide a detailed analysis of that. A software called EnergyPlan (energyplan.eu) will be used. The EnergyPLAN model is a computer model designed for energy systems analysis. It is a deterministic model which optimises the operation of a given energy system on the basis of inputs and outputs defined by the user. Software is freely available.

Roles

1. *Student 1: Collect energy consumption and resources data and future forecasts of Newfoundland*
2. *Student 2: Design an optimal energy mix plan (use http://energy.plan.aau.dk/)*
3. *Student 3: Determine current and future energy costs with the status quo and with the proposed energy plan if implemented.*