

Sea, Soil and Sky: Renewable Energy on Canada's East Coast



<http://www.cbc.ca/player/News/Canada/NB/ID/2664251096/>

1. Energy resources are often organized as coming from one of the four spheres of the earth (Atmosphere, Lithosphere, Biosphere and Hydrosphere). To which sphere do each of New Brunswick's potential energy resources belong?

Hydroelectricity	
Biomass Heating	
Wind Power	
Tidal Power	

2. The video mentioned that one of the disadvantages of wind-power is that you can't rely on the wind blowing regularly. Why is this problematic for relying on wind for electricity production?

3. Most of our energy resources are ultimately from the sun. Tidal energy is somewhat unique because the sun contributes very little to the energy of the tides. What is the primary source of energy for the tides?

4. Burning biomass produces carbon dioxide, a greenhouse gas. However it is still seen as a renewable resource that is “cleaner” and “greener” for the environment than burning fossil fuels. Why might that be?

5. Currently New Brunswick relies heavily on hydroelectric dams to produce its electricity.
a) Which of the three alternatives do you think would be the most advantageous to the communities of New Brunswick?

- b) Explain your choice by comparing the advantages and disadvantages of your system with the other two alternatives.

<u>Best Choice:</u>	<u>Alternative 1:</u>	<u>Alternative 2:</u>
<u>Advantages</u>	<u>Advantages</u>	<u>Advantages</u>
<u>Disadvantages</u>	<u>Disadvantages</u>	<u>Disadvantages</u>