

# Making a Case for Energy



Energy Source: \_\_\_\_\_

Renewable or Non-renewable

Lesson 1

Uses: \_\_\_\_\_

Overview: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

	Environmental	Social/Cultural	Economic
Advantages			
Disadvantages			



# Making a Case for Energy (student example)



Lesson 1

Energy Source: \_\_\_\_Solar\_\_\_\_ **Renewable** or Non-Renewable

Used For: Electricity or heat energy

Overview:

Solar energy is the most abundant, renewable energy source in the world. Solar energy refers to two different types of technology that convert the sun's heat or light to another form of energy for use. Solar Photovoltaic is a type of technology that creates energy from sunlight into electricity. Solar thermal is the second type of solar that uses the sun's heat to create heating or electricity.

	Environmental	Social/Cultural	Economic
<b>Advantages</b>	<ul style="list-style-type: none"> <li>no carbon emissions</li> <li>no pollution or dirty air</li> <li>solar is the most abundant renewable resource</li> </ul>	<ul style="list-style-type: none"> <li>community solar can bring communities together</li> <li>people can be in control of their own energy supply</li> </ul>	<ul style="list-style-type: none"> <li>becoming less expensive with better technology</li> <li>communities can create solar projects together and then don't have to pay the power company</li> <li>You can sell it to other people if you generate more than you need on your own house</li> </ul>
<b>Disadvantages</b>	<ul style="list-style-type: none"> <li>sunlight varies depending on place, season, and time of day</li> <li>can be intermittent and unreliable</li> <li>requires a lot of space to install</li> <li>manufacturing solar panels requires energy</li> </ul>	<ul style="list-style-type: none"> <li>not everyone can afford solar panels</li> <li>some people don't own their house and therefore, they don't have the option to use solar, which means the solar energy would need to be produced by the community, the city, or commercially.</li> </ul>	<ul style="list-style-type: none"> <li>the initial starting cost of solar in relation to other fuel sources is expensive in BC because of the low cost of electricity (It is expensive in comparison to the economic benefits it will provide)</li> <li>storing energy from solar can also be expensive (batteries)</li> </ul>



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