

Your Name: _____

Group Members: _____

Energy Source: _____

Energy Project Check List

Requirements (you will need to research the following information using books and the internet and then create a Power Point presentation - at least one slide for each requirement below):

- History of energy source (timeline): When was this source first used? By whom? How has it been used throughout history?
- How is electricity generated using your method? Include a diagram showing this process.
- Identify and describe the energy transformations that the energy goes through to produce electricity by your method. Start with the original source of energy (sun, moon or Earth).
- Where are the raw materials for your method located and how long will they last at the present rate of consumption? Include a map (of the US or World) showing where this resource is available.
- What is the cost per kilowatt-hour to produce the electricity?
- Identify at least 3 advantages to producing electricity by your method.
- Identify at least 3 disadvantages to producing electricity by your method.
- What types of pollutants are produced from making electricity using your method? How much of each pollutant is produced per year? If there are no pollutants, how much can we reduce pollution by when using your method (for example – compare to coal pollution)?
- Is your type of electricity production used in Vermont? Where? How much electricity is produced by this method in Vermont? Is this type of electricity production increasing or decreasing in Vermont. If your method is not currently used in Vermont, is it a possibility for the future?
- Identify at least 3 other interesting pieces of information about your method of electricity production.
- Works Cited Page in the correct bibliography format (at least 5 internet sources and 3 book/periodical sources)

Folder:

You will keep all of your information in a folder which will be kept in the classroom in case somebody from your group is absent. In this folder you will need to have:

- Notes taken from books/periodicals,
- Notes/printouts of internet information.
- Remember to note a reference for each piece of information when you take the notes.
- Energy project check-list
- Works-cited page