**Background Information For Biomass**

1. How is your resource used to generate power?

Our resource is made by burning dead plants or animals (or poop) which turns into biomass power. Which powers machines and stuff.

2. What is the history of your energy resource?

Biomass has been used as a source of heat energy since man first discovered fire. Many people around the world still burn wood as their primary source of heat during the winter. The use of biofuels such as ethanol has been around for some time as well. It was used as lamp fuel in the United States in the 1800s.

3.  Where is it being used right now? (Provide sample Countries/Cities)

 Germany, Kenya, Sweden, Austria, and the United States

4. How has your energy grown in popularity compared to when it was discovered?

Biomass was first made in the 1970’s. In 1975 the name biomass was accepted.  In the 2000’s, there was a big improvement in biomass power.

5. Out of all the renewable energies, where does yours "fit in" with the others? is it the most popular or least? Why?

I believe that it is in the middle of all the powerplants as Kenya derives 75%, India derives 50%, China derives 33%, and a lot of other countries around the world.

6.  How efficient would this resource be compared to fossil fuels?

Biomass Is

- Renewable`

- Low Carbon

- Locally Sourced

- Low Cost

- Accessible

7.  Where would be the ideal location in Canada to set up your company?

A great place to start biomass in Canada is British Columbia as it has the most biomass pulp/paper mill and the most biomass wood products mill

8. Is this energy source available in your community?

Yes, as there are two in Brampton.

9. Is it available in your province?

It is available in my province.

10. How energy is stored in the source and how the energy is released for consumers to use?.

Biomass is stored in the biomass utilization plant.

11. How does it enter the house? The schools? How does it work?

 A biomass-fired power plant produces electricity and heat by burning biomass in a boiler. The most common types of boilers are hot water boilers and steam boilers. Wood chips, residues and other types of biomass are used in the boilers, in the same way as coal, natural gas and oil.

12. How would it affect transportation?

Biomass energy is the best renewable way to work transportation, because it has a liquid form similar to gasoline.

13. Will it be easy to assimilate (understand, accept, learn about) into our lives?

Biomass is easy to understand. Technically the biomass is burned and then spun, and generated into electricity, which is then stored.

15. Future of the energy source and any other interesting facts.

* It is currently the largest form of renewable energy in Europe.
* Biomass has been used as a source of heat energy since man first discovered fire.
* The main ingredient needed for ethanol is sugars. These sugars are found in plants such as corn, rice, sugar cane, barley, switchgrass, and even grass clippings.