**Environmental Manager**

The task of environmental manager in this project is to search the relevant information on the “environmental impact” and “carbon dioxide saved” for the renewable energy selected by the group. Based on this information, the environmental manager should give some advice about precautions during construction for the group.

After discussion and analysis, the group finally determined that wind energy is suitable renewable energy for this island. By consulting the relevant information, environmental manager found that wind energy is indeed a renewable energy source that could significantly reduce carbon emissions compared to fossil fuels. However，wind power also has some negative effects on the environment.

Compared with other renewable energy sources, wind power does not release harmful substances that pollute the environment. Nevertheless，it turns out that wind could produces non-negligible noise by some references. Some scholars believe that this noise affects the judgment of animals. For example, attract bats fly and feed near wind turbines. More serious than this is that there are ample evidences that the turning rotor blades of wind turbines directly lead to the fatality of many animals, such as birds and bat.

In order to reduce the negative impact of wind turbines, environmental impacts assessment is required to carefully plan the geographical location of wind farms. In addition, proper insulation materials could be used to reduce the noise generated by wind turbines in order to try to minimize the negative impact on animals and the environment.

Subsequently, environmental manager searched for several different types of systems that could store electricity for renewable energy. The next task of environmental manager is to study the impact of the battery on the environment after the group selects the most suitable battery for this project.