Electricity and Circuits 2 Assignment – Renewable Energy Systems

# Objective

To become familiar and understand the importance of renewable energy systems

# Assignment

Research one of the different types/kinds of renewable energy systems. Examples could be:

* Wind
* Hydroelectric
* Solar
* Offshore wind
* Tidal
* Geothermal
* Hydrogen
* Gravity
* Stored thermal energy
* Biomass

When researching, consider the following impacts:

* How the system generates power
* When does the system generate power
* The load curve of the utility provider
* The impact of the renewable system on the grid
* Ability to respond to changing grid conditions
* Ramping time to provide power to grid
* Cool down time of system to disengage from grid
* Cost of system relative to power generation for grid application
* Ease/difficulty to connect to utility provider grid