

Name: _____

Date: _____

Electrocity Online Energy Simulation (www.electrocity.co.nz)

NOTE: for updates to this activity and to explore other geography-related computer games, go to www.changegamer.ca.

ElectroCity is a fun and educational online game that simulates, in a very simplified way, energy management. ElectroCity allows players to create their own city and explore different approaches to energy and the environment.



Before Starting the Simulation:

1. Before starting Electrocity, spend some time working on the 'Types of Energy' organizer using the link provided (see below). You can fill in any gaps to the organizer after completing the game.

During the Simulation:

1. Go to www.electrocity.co.nz and click "How to Play". Spend some time going over the instructions (this will help you in the long run!).
2. Click on "Finished Cities" to see what is possible.
3. Click on "Game" to start your simulation.
4. You will have 150 "turns" to complete your simulation (if you don't go bankrupt first!). NOTE: the "Local Body Rate" is how much tax you are charging your citizens (this game was created in New Zealand).
5. After you have finished each "attempt" at the simulation, record your scores below. NOTE: you will not be marked on your scores.

After the Simulation:

1. When you have completed three attempts, answer the Analysis Questions below.

Scores:

Attempt 1 Final Population Tally: _____ Final Money Tally: _____

Energy Management Score: ____; Popularity Score: ____; Population Score: ____; Enviro. Score: ____

Overall Score: _____

Attempt 2 Final Population Tally: _____ Final Money Tally: _____

Energy Management Score: ____; Popularity Score: ____; Population Score: ____; Enviro. Score: ____

Overall Score: _____

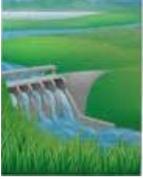
Attempt 3 Final Population Tally: _____ Final Money Tally: _____

Energy Management Score: ____; Popularity Score: ____; Population Score: ____; Enviro. Score: ____

Overall Score: _____

Types of Energy Organizer (Electricity Fact Sheets)

Go to www.electricity.co.nz/Resources/ and use the fact sheets under "Downloads" to complete the following organizer in point form:

Type of Energy	How is electricity generated?	What are the main advantages?	What are the main disadvantages?
Co-generation 			
Hydro Energy 			
Nuclear Energy 			
Ocean Energy 			
Solar Energy 			

Type of Energy	How is electricity generated?	What are the main advantages?	What are the main disadvantages?
Wind Energy 			
Thermal Energy – Coal 			
Thermal Energy - Natural Gas 			
Thermal Energy – Biomass 			
Thermal Energy – Geothermal 			