

# Running Ireland's energy consumption

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## Overview

You have been given the title of **Ireland's minister for Communications, Energy and natural resources**. You must manage Ireland's expenses for things such as importing resources from other countries, **researching** and **implementing** alternatives to fossil fuels, making Ireland less energy reliant on other countries, manage Ireland's expenditure and environment all with the end goal of making Ireland completely self sufficient and running on green energy before fossil fuels run out.

Players **begin in the year 2015** with **27,000,000 euro**. With it players must meet Ireland's current energy demands and also invest in the future because as the years go by the prices of energy sources go up, so in order to continue in the future Ireland must reduce its energy consumption, become more energy self sufficient and, become more reliant on green energy sources. If by the year **2088** (when all of earth's fossil are predicted to run out) you cannot achieve total **green energy independence** you **lose the game**.

With your money you can research new and current methods of producing energy. Every year the player is given 27 billion euro to invest and spend on importing and producing energy. Players can receive more money for building projects such as more Esb stations and Power plants (by way of loans that must be repaid in a certain number of years).

There will also be a **global warming meter** that is raised the more the player use fossil fuels. The more this meter increases health risks and natural disasters occur and the department for Energy and natural resources is billed for these damages. If the global warming meter reaches full you automatically lose the game.

Each turn constitutes to a year in the game. During the turn players must make decisions of how to **budget both long and short term**.

In my opinion this will be a fun and enjoyable way for people to be educated in energy consumption, expenditure, and more environmentally friendly sources of electricity.

## Use of dataset

This app makes use of the the “Renewable Energy” data on **DATA.GOV.ie** to calculate energy consumption by the country, cost and, the level of production of electricity from different sources. This data will also set targets for the player to achieve eg. Percentage of Energy produced from green sources by a certain year.

