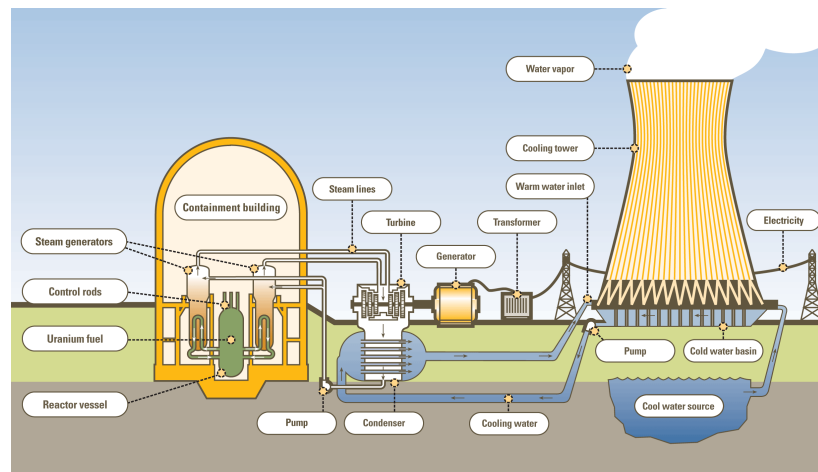


## Primary Global Resources Extracted and Power Plant Distribution in the United States



### Introduction:

The purpose of this project proposal will be to represent data using maps to showcase the following: Primary, globally-sourced resources extracted and the distribution of power plants in the United States. The purpose of the project proposal is not to comparatively analyze globally extracted resources to the number of power plant stations; rather, the object is to give the viewer a visualization of the resources being sourced and the ways in which energy distribution is provided to consumers.

Energy consumption and availability to resources varies across the globe. For example, one geographic location might benefit from the adaption of geothermal energy production; e.g. Iceland, whereas, a city like Seattle greatly benefits from hydroelectric energy (power) generation. This example highlights the geographic context of energy production. Additional factors to take into consideration when discussing energy production and generation are things such as; weather, access to resources, and money.

### Method:

This project proposal will not use demographic or population data. There is not a comparative analysis needed to showcase the two variables; e.g. resources and power plants. There will be ten categories used to depict the globally extracted resources and there will be 11 categories used to depict the power plant (energy source) distributions in the United States. At least two maps will be generated to highlight the variables discussed in this proposal.

### Why should we care?

As geographers, there is a human approach to geography, and there is a scientific method approach. Although both are applicable to this project proposal, the main reason this topic is important, is due to the changing of the climate and how energy production will likely be impacted with weather and climate extremes. Additionally, resources are not bottomless; therefore, understanding what resources are currently providing energy production, and thusly will have an expiration date, are important not only as consumers, but as scientists who can disseminate information in a visual, geographic context with the goal of assisting in near-future implementation objectives for energy production and consumerism.

### Why does this topic interest me?

Having grown up forty-five minutes from Three Mile Island in Middletown, Pennsylvania and seeing the cooling towers as a kid, I was always fascinated by the smoke and wondered what was so special about these smoking towers in the sky. As an adult who works in Bioenvironmental Engineering, I work with radiation check sources and complete industrial surveys for workers who take x-rays that produce ionizing radiation. Although the purpose of these maps goes in a different direction than overall nuclear power generation, I am fascinated by energy production and the many resources extracted that allow for consumer consumption.