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Geography 461W – Term Project

### **Project Pre-Proposal**

During the past 150 years the energy industry is a crucial part of the infrastructure of societies in almost all countries. For our term project, we are going to create dynamic map of electricity generation fuel shares of the United States in 2010. With a predicted 24 percent increase of electricity demand by 2035, finding an efficient and sustainable way to generate electricity is important. We will categorize our data based on low emissions energy (green energy) and high emissions energy (non-green energy). Low emissions energy that will be mapped is nuclear, hydro, geothermal, solar /PV and wind. High emissions energy is coal, natural gas, and petroleum. To start off our project we will begin by loading data from an external source, followed by initializing a base map, then linking some interactive control tools. Some interaction tools we might use are energy type filter controls (*checkboxes*), a *counter button*, *reset button* and *map info* buttons. Our team believes that these tools will facilitate thinking and allow users to gain additional understanding. Clients who might use our map are government intuitions, those in politics, and experts in the energy domain.