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## SSC2030 assignment: Elements of critical analysis?

To date we've discussed energy basics, the need for energy systems and have done some very basic comparison of the energy systems of some very similar industrialized nations and two huge countries that will dominate the planet's future. We're about to begin our study of conventional energy technologies and low-carbon energy technologies and policies that have aided or hindered their implementation.

To help us think critically about each of these technologies, their history, use and effects it would be helpful to create a checklist of questions, factors and parameters that would allow us to compare, contrast and evaluate each technology. We're obviously interested in sustainability, but what are the specific characteristics or factors we should consider? And what other factors are critical players in any energy system?

### **This assignment asks you to create:**

- (1) A list of **at least six categories** that we should evaluate;
- (2) A set of **at least three criteria** for each of these categories; and
- (3) **Ranking** for the criteria, if applicable.

Your categories and criteria should be focused on what the elements and issues essential to creating a functioning and sustainable energy system. In addition to your lists of categories, criteria and ranking information, **please write a short (several paragraph) essay** that explains and justifies your choices.

I'll compile each of your efforts and, working as a group, we will edit them and use them to create our checklist for the course.

- And please note that our checklist will **evolve** as the semester continues.