Energy Supply

Group 6-01

Need

- The customer needs power operating at all times, throughout the entire year.
- The highest supply of energy is needed throughout the time of the year where students are on campus, especially during warmer months.
- The customer wants to minimize both financial costs and environmental risks

Approach

- Our approach is going to be to examine factors such as weather, day of the year, and the costs of using energy from the two different sources.
- We will create models exemplifying when it is the most economically and environmentally effective days of the year to derive power on-sight versus off-cite and why/what factors play into this.

Benefit

- The benefits to the stakeholders include saving money depending on where to derive energy from, as well as when it is most cost effective to take energy from where.
- Another benefit includes helping the environment by choosing the most sustainable solution to receive the necessary energy.

Competition

- The benefits are more favorable than the alternatives because if our models are not taken into account, then the school could potentially be spending more money on energy when it does not need to, as well as hurting the environment more than necessary.
- Our goal is find the cheapest way to receive power without hurting the environment.