

Overarching Principle: “Eliminate all energy pulled from the national power grid by installing energy conscious devices in order to power a laboratory completely off renewable resources.”

1) Law

Canon: The team will ensure that all people working in the lab have a safe and productive workspace. By ensuring that qualified individuals work in their area of expertise, we will know that proper safety measures have been enacted, and that all building code requirements will be met.

Pressure: To have several milestones passed within the length of this Ipro.

Risk: In rushing the project less safety measures may be taken less series, and building code rules could be broken.

Risk: All guidelines and building codes must be strictly adhered to, as well as safety recommendations of the product manuals

Measure: Before beginning any work team members will review federal, state, and local laws, as well as speaking with a professional specialized in the same area.

2) Contracts

Canon: We will abide by all decisions and agreements provided in our contract with our grant partner.

Pressure: Making sure that all the allotted grant funds go specifically to what the grant distributor requested.

Risk: Money may be spent inappropriately.

Risk: The most cost effective products may not be purchased, causing a shortage in funding.

Measure: All team members will review all contracts before making any purchases with the grant funds. This will ensure that no money is used inappropriately. Also, before making a purchase, all members will do an accurate cost analysis of products and materials that they are planning on purchasing.

3) Professional Codes

Canon: This IPRO will abide by all professional codes of conduct applicable to each discipline present.

Pressure: Set up and install several operable systems within a restricted time period.

Pressure: Due to limited manpower, there must be cross discipline work requiring team members of all fields to work on many different projects.

Risk: Team members may not be aware of all professional codes on the project they are working on, especially if they are working on a cross disciplinary project at the time.

Measure: Team members will immediately address any safety issues to other team members. Success of this cannon will be recognized by the lack of complaints or legal action.

4) Industry Standards

Canon: The team will be working with new and existing electrical installations, and as such will abide by the National Electrical Code, as well as state and local codes.

Pressure: Get additional equipment set up within restricted time period.

Risk: Create a fire hazard by not appropriately following applicable codes.

Risk: A shock hazard may exist despite the fact all codes were followed.

Measure: The standards of this cannon will be indicated by the lack of bodily injury or legal action against the group.

5) Community

Canon: The Zero Energy Lab will be a safe place for anyone in the community to work and study different renewable resources.

Pressure: Ensuring that the lab is safe for everyone in the community to use.

Risk: Some of the technology in the lab may require specifically trained individuals, and is not suitable for all community members

Risk: Some electrical setups may be dangerous for the general public because of dissimilar setups from there homes.

Measure: Before allowing any public community members to use the lab proper safety setups must be made to ensure that no one will hurt themselves.

6) Personal Relationships

Canon: All members of the team will attempt to build a relationship with there fellow team members. They will attempt to build bonds of trust to ensure a stronger working team and improve the organization's productivity.

Pressure: Making sure that yourself as an individual has neat and well prepared work

Pressure: Finishing the project quickly

Risk: Members may feel not meet other members not involved in there team if they are constantly focused on solely their work and not the team itself.

Measure: The team will meet in the same work area and focus on integrating ideas so that interaction is begun and effective team building can continue.

7) Personal/ Moral Values

Canon: The team will not allow for any breach of spiritual, personal, or moral fibers.

Pressure: To take additional testing readings on days outside of scheduled class time

Risk: planned activities outside of our time may infringe on various family and friend outings of the members

Risk: religious holidays and Sabbath days may coincide with the specific activities.

Measure: We will not plan any extra working sessions without prior approval from all required team members.