

Project 1

Heat — how long can you “live” without it?

Assume with this winter blackout that you were left without electricity for 24 hours.

What would you do? How could things be different?

Essay: 1 paragraph statement for each question above.

Identify your

House: What type of structure do you live in? (apt., condo, dorm, single family house, other?)
Do you have solar access? south facing glass?
How large of a window on your south side?
When do you get sun in your space?
What are the materials of your house? (wood frame, masonry, etc.)
Other important features you want us to know.

Heat source: What type of heat source for your place? (elec., oil furnace, hydronic, natural gas, other?)
What are the environmental problems with this heat source?
(include facts, quotes, and calculations from a credible resource)

Heat challenge

Hour by Hour: How long can you go without heat? 1 hour, 4 hours, 24 hours?
Challenge yourself to turn it off, and write an hour by hour play of your observations. What's your human comfort? How do you feel?
Notice changes within your space.

Project the

future: Read the article [From 30 to 0](#) (given in class), take another look at your house/apt. What can be changed, modified. Compare to the option if nothing changed?

Format:

Open: Your choice, need to answer questions above, a minimum. If typed, 12pt. font, double spaced, double sided. If handwritten, clean, neat. **30pts. due Wednesday Jan 28. Be prepared to make short statement in class on lessons learned.**

