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***Binnacle translates to Bitacora in Spanish...It's the word used by sailors, travelers and explorers to describe and cite chronicles of the trip, discovery or study they are doing. I made this document so we can list what we are doing and what we must do without including it on the formal report. Feel free to change and add anything. Thanks

- ❖ Set up time for weekly meetings between us and the professor.
 - Mondays @ 12
- ❖ Distribute the amount of work and assignments.
 - -meeting facilitator: not necessary as group is small
 - -meeting scribe/report manager: Logan
 - -Project Layout/Scheduling: Gigi/Ricardo
 - -"chief engineer" all of us, small group
 - -test engineer: Cal
- ❖ Background check about Puerto Rico, nothing technical yet (History, Culture ect)
- ❖ Antecedents and behavior of Natural Disasters in the area.
- ❖ Previous Power Grid
- ❖ Damage and effect of the recent Hurricane.
- ❖ Actions taken by the government and Electrical Institutions in the country
- ❖ Actions taken by other countries in the Area. (Cuba, Jamaica, Dominican Republic, Bahamas)
- ❖ Other problems related to the previous power grid
- ❖ Budget and Political Support.
- ❖ Business plan proposition.
- ❖ Description of our Power Grid.
- ❖ Differences (related to the previous one)
- ❖ Alternatives.
- ❖ Things we can't solve.
- ❖ Trip to Puerto Rico (pffff just kidding) - **LETS DO IT :), lol **Wait...can we??**
- ❖ Feasibility of our project (Yeah, if we can actually present and push this)
- ❖ Weekly report.
- ❖ Opinions and Conclusions.

*** Hey can we use photoshop to use the photo of our president throwing paper towels to put him throwing a transformer or something like it instead. (in all respect) But, can we? Thanks.

Energy Maps of Puerto Rico
<http://energia.pr.gov/en/portfolio-category/maps/>

Puerto Satellite View of the Disaster

<https://blogs.nasa.gov/disaster-response/2017/09/29/puerto-rico-power-outages-tracked-by-satellite/>

More maps

<https://www.local10.com/news/interactive-map-shows-puerto-rico-damage-by-neighborhood>

Data of the Puerto Rico Energy System

<https://www.eia.gov/state/print.php?sid=RQ>

More maps 2

<https://www.eia.gov/state/?sid=RQ>

US. Department of Energy

<https://www.eia.gov/>

National Hurricane Center

<http://www.nhc.noaa.gov/data/>

Puerto Rico

https://en.wikipedia.org/wiki/History_of_Puerto_Rico

<https://data.worldbank.org/country/puerto-rico>

Puerto Rico Economy

<https://www.bls.gov/eag/eag.pr.htm>

<https://fred.stlouisfed.org/tags/series?t=puerto+rico>

Ok guys reading in the page of the government I found that the critical part of Puerto Rico are Lares, Utuado and Adjuntas. And normally this are the places that suffer the most during any crisis. I'm going to put maps of the places we can explain to begging with. I putted them in the same order I mentioned them.





In the power website that putted first up it shows that this are among the lowest consumers of energy in the country. Lares consumes between 36 and 44 kw per hour, Utuado between 45 and 63 and Adjuntas being rural zone with the lowest between 20 and 35.

Well I found this site with a lot of data and I want to compare some states here in the midwest with those critical places of Puerto Rico. I haven't finished yet but I believe that Ames might consume close as much as each one of this paces consume. This will be really benefactory since we can compare or more plan practicing with a grid from this place. Whenever you guys red this please tell me what you think and what else we can do. I'll try to finish reading this but I don't think we will finish before tomorrow. Thanks <https://www.eia.gov/electricity/annual/>