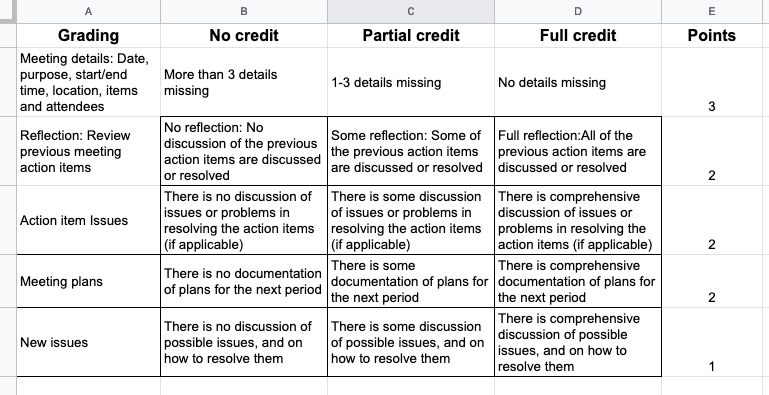
**Project Meeting Agenda**

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Meeting Report 3

**Our plans from Meeting Report #2**

Our plan for this week and next week:

Hopefully, get solar equipment soon to start experimenting with it.

Order Solar panel first thing tomorrow morning during class. (I think we could go with the Lux first one) We have to carry it.

Once we get the equipment we will need to discuss a specific location where we should test.

Dylan: Read more on the article or website about how electricity works from solar panels.

Get equipment so able to walk the campus to get data.

Larry: I found an article that is very helpful with our research:

<https://proxyga.wrlc.org/login?url=https://www.proquest.com/scholarly-journals/optimal-tilt-angle-determination-pv-panels-using/docview/2430609011/se-2?accountid=27346>

* This article shows what resources we can use and which angles that benefit our campus.
* Resources that they are using technology.
* Experiment on which specific months they are using with solar panels

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**Meeting one**

**10/17/2021**

**Start none**

**End none**

Since Dylan Christoffels already did work alone on PPT.

Now we need to discuss on PowerPoint the specific list we need to include:

(i) Background to understand the project;

(ii) the main question or problem;

(iii) objective and specific aims;

(iv) approaches, methods, tools/techniques;

(v) significance/potential impact on GU or others.

We are on our own working on PPT.

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**Meeting two**

**10/24/2021**

**Start: none**

**End: None**

**Our plan for this week: 25-29th October 2021**

***Group plan:***

* Find the information for energy usage in the WAB buildings to help our data for solar panels needed for the WAB building.
* Contact David goods for a solar panel discussion.

**Result: ??**

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***Dylan:***

* Follow up the email and call the company about the solar energy converter tools available for us to use it? If not then find another tool that is available to purchase.
* Get started working on a website design draft.
* Doing homework research helps us to understand solar panel stuff as electricity.

**Result:**

Tools for data collection (OLD)

[Tool 1](https://www.amazon.com/FROGBRO-Photovoltaic-Multimeter-Circuit-Troubleshooting/dp/B09C1VWHLT/ref=sr_1_1_sspa?dchild=1&keywords=solar+panels+tools&qid=1634605921&s=lawn-garden&sr=1-1-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEyWTlJWTFaREkwOEhYJmVuY3J5cHRlZElkPUEwMDMwMzE1QkY3TFhUM1k5WElSJmVuY3J5cHRlZEFkSWQ9QTAzNTU4ODMxMTVaQVZVSkFPR1o0JndpZGdldE5hbWU9c3BfYXRmJmFjdGlvbj1jbGlja1JlZGlyZWN0JmRvTm90TG9nQ2xpY2s9dHJ1ZQ==)

Or

[Tool 2](https://www.amazon.com/dp/B088R73H4P/ref=sspa_dk_detail_2?psc=1&pd_rd_i=B088R73H4P&pd_rd_w=lbghy&pf_rd_p=887084a2-5c34-4113-a4f8-b7947847c308&pd_rd_wg=inXZc&pf_rd_r=YAYMG0B6SJFBQEVPEHS5&pd_rd_r=47b6e689-e792-4de2-adcc-c02e4e4e72ee&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEzQkJVSEFSWEVRVkdSJmVuY3J5cHRlZElkPUEwMDU2MzcxMjhBSVI3TFE3TzZWRCZlbmNyeXB0ZWRBZElkPUEwMDk4NzcyMVlHWU9HQUdZUDROMCZ3aWRnZXROYW1lPXNwX2RldGFpbCZhY3Rpb249Y2xpY2tSZWRpcmVjdCZkb05vdExvZ0NsaWNrPXRydWU=)

Or

[Tool 3](https://www.amazon.com/Powerwerx-Inline-Analyzer-Continuous-Connectors/dp/B088KVWD9Q/ref=cm_cr_arp_d_product_top?ie=UTF8)

Possible small solar panel

[Solar Panel 1](https://www.amazon.com/MEGSUN-Waterproof-Controller-Adjustable-Maintainer/dp/B08P1PVNJX/ref=sr_1_11_sspa?dchild=1&keywords=small%2BMonocrystalline&qid=1634606161&s=lawn-garden&sr=1-11-spons&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUExQjJQT0o0Q0pZVFlGJmVuY3J5cHRlZElkPUEwNDM1MjU4MVg3T1c2VEdQQk9aSyZlbmNyeXB0ZWRBZElkPUEwMzM1Mjk0MTgzVUM3UzYxNlQxWiZ3aWRnZXROYW1lPXNwX210ZiZhY3Rpb249Y2xpY2tSZWRpcmVjdCZkb05vdExvZ0NsaWNrPXRydWU&th=1)

Or

[Solar Panel 2](https://www.amazon.com/Powereco-Polycrystalline-Charger-Battery-Charging/dp/B071HX8LH8/ref=sr_1_2?dchild=1&keywords=small%2BMonocrystalline&qid=1634607037&refinements=p_36%3A2661613011&rnid=2661611011&s=lawn-garden&sr=1-2&th=1)

Or

[Solar Panel 3](https://www.amazon.com/HQST-Monocrystalline-Solar-Compact-Design/dp/B07L7ZGGVT/ref=sr_1_1_sspa?dchild=1&keywords=small%2BMonocrystalline%2Bwith%2BMC4&qid=1634736051&s=lawn-garden&sr=1-1-spons&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUExM1VIUDZCWURQQlI2JmVuY3J5cHRlZElkPUEwNzgwOTI3MTZQM1A1TjVWS084QyZlbmNyeXB0ZWRBZElkPUEwODc5ODc4T1lIUlE3M1NPWVIwJndpZGdldE5hbWU9c3BfYXRmJmFjdGlvbj1jbGlja1JlZGlyZWN0JmRvTm90TG9nQ2xpY2s9dHJ1ZQ&th=1)

See top result and link will be drop out if we contact and find out how real solar panels companies use.

For the website development, it has not yet developed but has already gotten application WebStrom work. I did set up simple and raw designs like setting up navigation ideas. I will do a wireframe this week to set up then later will add color.

Website navigation set up look like this:

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The research found some things like how important separate solar panels for avoid the shade and find how solar panel electricity work by the solar cells work together in solar panel to make electricity by solar energy.

***Elina:***

-Understand how to use solar panels, and collect the data before installing the solar panel. Worst case scenario; use Gallaudet’s data and calculate our own. Use Boston’s College’s methods.

-Help Dylan Christoffels with website

**Result:**

***Mbisana:*** Research the benefits of solar panel ( Positive and negative effects of using solar panel)

**Result:**

* **Positive effects of solar panel**
  + Impact on the Environment

## Reduce Your Energy Bill

## Energy Production during Peak Hours

## Solar Energy Is Applicable Everywhere

## Less Electricity Lost During Long-Distance Transport

## Improves Grid Security

## Job Creation

* **Negative effects of solar panel**
  + Energy Demand
  + Chemicals
  + Recycling

**Next Plan:**

* Ask David goods permission for access to the top WAB Building.
* Contact Dr Max Kazemzadeh and interview:
  + What are the negative effects or challenges experienced with the use of utility supplier
  + how solar panels will be beneficial for them.

***Larry:***

Will call some solar panel companies to ask them what tools are theory used for data collection.

**Result:**

**10/21/2021:**

I received the information from Dylan that I should contact through phone call: but does not have a phone number. THe email is [info@sunreports.com](mailto:info@sunreports.com). I goggled it up and found that it was from Germany. I realized and rather to find that close by here and actually I found a website, District Energy.

District Energy takes a holistic approach when designing solar systems. We assess each customer’s energy demand and provide an innovative, customized, green energy solution. When you work with our team, you are guaranteed solutions rooted in integrity, quality, and attention to detail.

I called and found some information about solar panel companies that had been recommended from District Energy: Energy Sage and DSIRE.

EnergySage: Every day, millions of Americans shop for renewable energy solutions, such as solar power — and thousands of companies look for well-qualified customers. But the process can be confusing, expensive, and intimidating. EnergySage is the go-to marketplace for making confident energy decisions and gaining control over the buying process.

Our one-of-a-kind marketplace was developed with funding from the U.S. Department of Energy’s Sun-Shot program, to make solar and other renewable energy options affordable and accessible to all Americans.

I left a voice message today at 4:30pm and hope to hear from them tomorrow (10/22/2021) to find more information about solar panel resources.

For the DSIRE- it is the most comprehensive source of information on incentives and policies that support renewables and energy efficiency in the United States. Established in 1995, DSIRE is operated by the N.C. Clean Energy Technology Center at N.C. State University and receives support from Energy Sage.

I left a contact us a message and hopefully I will receive more information from them soon.

**10/22/2021:** No response from them yet, hopefully soon!!

**Problem:** Not sure when they will respond to me back so I can find more information about Solar Panel kits.

**10/24/2021.** As yet I haven’t heard anything from them. My back-up plan is to communicate with David Good on which company I could contact directly.

Also, plans to contact WAB following this week for a permission to use their roof for us to use solar panel experiments.

***David:*** I did research on different websites for the data. I watched YouTube for solar panel data on october 20th, 2021.

Solar panels can do math for the graph. How much data? Is it good?

Link: <https://rethinkingschools.org/articles/solar-power-comes-to-math-class/>

<https://www.youtube.com/watch?v=G5jTxitow0E>

<https://www.youtube.com/watch?v=nGU-oM4lUuY>

**Result:** it did not find the data yet, we still think to figure out the data.

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Our Weeks plans

|  |  |  |
| --- | --- | --- |
| Week | To do List | Complete? |
| October 24 Week | * Finalize find and order tools for solar panels * Set up more on Website (Dylan) * Need gather data of electricity usage of WAB building * Need to request if they are approved to use their roof, if not, we can use their front ground to experiment. * Finished Elevator pitch |  |
| October 31 Week | * Meeting report #4 * Hopefully get tools then set up tools start the data |  |
| November 7 Week | * Project demo 1 show how collect and my website idea * Analyze data |  |
| November 14 Week | * Conunitne analyze data * Hopefully we can find specific data that we can find to understand why we need to use our building. |  |
| November 21 Week | * Fall Break * Meeting report #5 |  |
| November 28 Week | * Finalize Website * Finalize Data of Solar Energy and profit * Project Demo 2 |  |
| December 5 Week | * Work on Final paper? And develop our final powerpoint to show our work. :) |  |

Our new issue needs to look at:

* Haven’t found how to get tools for getting data of solar energy from solar panels from some companies that we got recommendations from.
* Need to contact companies to collect how they collect the data.
* Back up plans: To research at another university/college in this situation.