MILESTONE 11

Kibuon Project

Due on Saturday, April 25th at 11:59 PM

Revision due Thursday, April 30th at 4:30 PM

If your milestone includes files, please upload a copy of your milestone and a link to its location in SharePoint in your Canvas discussion post for this milestone. All members of a group submission must submit something for their milestone.

Goal of Milestone 11: Team members will research solar pump installation. Deliverables are highlighted in yellow.

Part 1: Read section of the Solar Pump Installation Manual

Even though the installation of solar power and an electric pump is planned for the second implementation trip, we’ll begin preparing by researching the solar design process.

*With a partner,* [sign up](https://hu.sharepoint.com/:x:/r/sites/sssc/ewb-harvard/_layouts/15/Doc.aspx?sourcedoc=%7B418E8FDE-29EC-4777-A95A-9E82C4B0652B%7D&file=Kibuon%20Master%20Sheet.xlsx&action=default&mobileredirect=true&cid=97a06f99-1142-416b-a2ab-ea7a9ad685f6) and read one of the following sections in this [Solar Pump Installation Manual](https://drive.google.com/file/d/13dwBmVTWr0Xt1fEfwRMjYJNHj3NEzI_9/view), listing important points and equations.

* Module 4: Evaluation of Water Needs
* Module 6: Hydraulic Head
* Module 7: Dimensioning the Solar Array
* Module 9: Design Considerations

Upload your file in the [Solar Research folder](https://hu.sharepoint.com/sites/sssc/ewb-harvard/Documents%20%20General/Forms/AllItems.aspx?viewid=4d644ca6%2Df41e%2D4574%2Db277%2D0bda76d6f4a6&id=%2Fsites%2Fsssc%2Fewb%2Dharvard%2FDocuments%20%20General%2FProjects%2FKibuon%2FData%20and%20Research%2FSolar%20Research) in SharePoint and post the link in Canvas.

Part 2: Read example Implementation Report

Read Section 2.3: Calculations of the [Batey-Cuchilla Implementation Report](https://hu.sharepoint.com/sites/sssc/ewb-harvard/Documents%20%20General/Forms/AllItems.aspx?id=%2Fsites%2Fsssc%2Fewb%2Dharvard%2FDocuments%20%20General%2FProjects%2FKibuon%2FData%20and%20Research%2FReference%20Projects%2FBatey%2DCuchilla%20Implementation%20Report%202019%2Epdf&parent=%2Fsites%2Fsssc%2Fewb%2Dharvard%2FDocuments%20%20General%2FProjects%2FKibuon%2FData%20and%20Research%2FReference%20Projects). Create a step-by-step list of their methodology, including the equations and variables used.

Post in Canvas discussion or upload your file in SharePoint and post the link in Canvas.