

Team: P21389 **Engineer:** Bryn Stricker

What were the outcomes of the prior phase?

1. What did I plan to do?
 - a. During Phase 3, I planned to work on generating a design for the power sub-system of the individual tiki torches that would utilize solar panels.
2. What did I actually do?
 - a. I completed this objective but would have liked to develop another design that would have account fr the power draw of a solenoid valve for risk purposes.
3. What did I learn? How were plan and reality different?
 - a. I learned that by eliminating the solenoid valve from our design we do not need to generate a ton of power which makes using solar panels very feasible.

Team level goal for next phase

For Phase 3, the team's goal will be to prototype if possible and identify what issue we may have with our design prior to finalizing it. We will also want to focus more on the central microcontroller, app, and fuel tank components of the system. This will ensure we hit all of the requirements and can consider how we will integrate all of the subsystems together before MSD II.

What do I plan on doing to ensure that my team has a successful review at the end of the next phase?

I plan to continue staying on top of communication with our client, mentors, and the team to ensure we are well prepared for our meetings and encouraging productivity.

What?	How Long?	When?
Arrange time for Phase 4 review and Gate review	2-3 hours	ASAP
Draft power system design including a solenoid valve	4-5 hours	TBD ~ April 13&15
Decided with team if want to design new torch head, order materials, draft 3-Designs	4-5 hours	ASAP ~ April 13&15
Collaborate with others to draft App design	2-3 hours	TBD ~ April 20
Prototype power system design to	4-6 hours	TBD ~ Week 13 or 14
Update BOM/risk analysis of the system	2 Hours	TBD
Plan for MSD/summer work	1-2 Hours	TBD

What is standing in my way of meeting my next phase goals?

As of now, the only thing standing in the way of reach phase 4 goals is the limited time I am able to allocate working outside of class due to other assignments and personal arrangements.