

Team:     P21389     Engineer:           Bryn Stricker          

**What were the outcomes of the prior phase?**

1. What did I plan to do?
  - a. During Phase 4, I planned to work on supplying power to the gateway microcontroller and help benchmark pump based on power draw.
2. What did I actually do?
  - a. I worked on organizing the customer visit and answered any questions he had regarding confluence and our project. I have been providing my input to my teammates and ensuring I am kept in the loop.
3. What did I learn? How were plan and reality different?
  - a. I learned that we can convert 120V from the home to 5vdc which is useable for the gateway microcontroller to eliminate the amount of parts we need to use. Also, I learned the oscillator pins on the Nordic microcontroller can be used to create a capacitive fuel sensor.

**Team level goal for next phase**

For MSD II, the team's goal will be to integrate our components together and work diligently on coding the microcontrollers.

**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?
Learn/test open-source code to program microcontrollers	N/A	By end of summer
Participate in field trial and compare design flaws in our MSD design	N/A	By end of summer
Integrate sub-systems	6-12 hours	Early next semester
Stay updated on EHS paperwork for citronella oil testing approval	N/A	Over summer

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

Last minute assignments are hindering me from closing Phase 4 action items to draft and submit paperwork to EHS for testing approval for citronella oil. Will work on and hopefully complete prior to Gate Review if not early summer.