

sdmay23-36: Making Microgrids Plug and Play

Week 1 Report

September 23 - September 30

Team MembersChristian Pinta — *API Researcher/Development*Austin Thoreson — *Systems Researcher/Development*Andrew Frank — *Development/Communication*Ben Eder — *SunSpec Documentation Researcher/Development*Saketh Jonnadula — *Documentation Research/Development***Summary of Progress this Report**

We met with Mathew Wymore (faculty advisor) and Nick David (client) to establish baseline knowledge of the project. Talked about intended users/needs and goals for communication between microgrid pallets. We obtained documentation for SunSpec, OutBack hardware devices, Microgrid Pallets, and the Tactical Microgrid Standard that we will need to complete this project. We are reading through documentation to better understand the specific needs of the project. There was also some light discussion surrounding high level design ideas and questions we need answered for future stages of the project.

Pending Issues

Project requirements aren't well defined. We also do not have enough knowledge of involved systems/standards.

Plans for Upcoming Reporting Period

We need to set up microgrid hardware to be accessible via IP over the internet. This will make testing with Python or other scripts using SunSpec easier. We need to develop design documentation for project requirements. We also need to continue to build upon knowledge of the existing systems, in hopes to figure out what questions to ask advisor and client.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Christian Pinta	Looking into API documentation this week and summarizing it to the team	4	0
Austin Thoreson	Read through Power Film documentation and compiled a list resources related to project	4	
Andrew Frank	With input from the team, sent messages back and forth with PowerFilm while researching project	4	0
Ben Eder	Studying many of the SunSpec Documentation and summarized it to the	4	

	team.		
Saketh Jonnadula	Read into PowerFilm and SunSpec documentation	4	

Gitlab Activity Summary

Nothing to report.
