



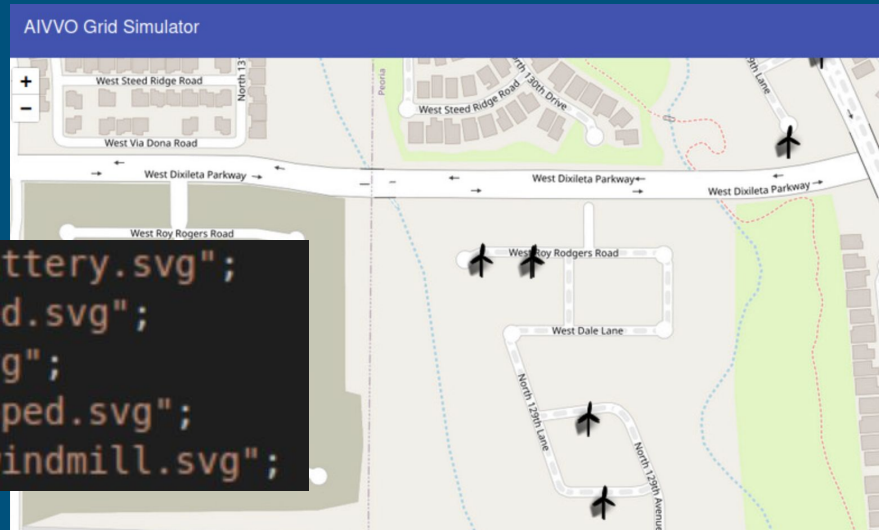
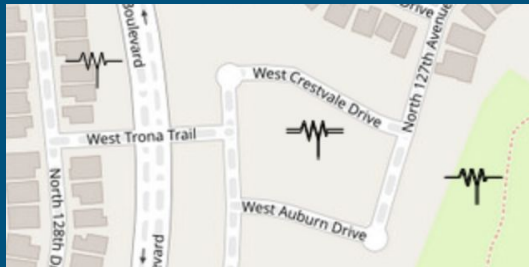
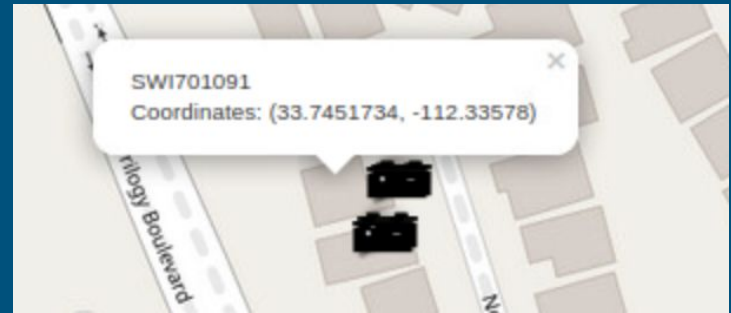
AI-VVO sdmay22-36
Spring 2022
Update #4

2/24/2022 - 3/3/2022



Front-end (This Week)

- Researched markers in leaflet
- Finished implementation of data displaying onto map
- Got custom icons to appear as markers



```
5 import battery from "../Images/svg/battery.svg";
6 import fixed from "../Images/svg/fixed.svg";
7 import sun from "../Images/svg/sun.svg";
8 import tapped from "../Images/svg/tapped.svg";
9 import windmill from "../Images/svg/windmill.svg";
```


Front-end (Next Week)

- Find out what data we are going to be sending to backend and how we are going to send that data
- Create an about and “how-to” page for the application
- Make updates to user interface
- Start updating report display

Back-end (This Week)

- Researched how to add connections into neo4j database
- Look into best way to take data from opendss and parse it in order to add connections
- Worked on improving some of the error handling in the backend api

Back-end (Next Week)

- Coordinate with the front end to figure out what data needs to be sent from the frontend to the backend
- Look into how that data should be stored
- Look into whether it would be better to send node coordinates and connections together or separate

Machine Learning (This Week)

- Worked with backend team to determine format for parsing the line data from OpenDSS.
- Started outlining the script for parsing this data
- Will finish up writing the script by tonight to be ready for the work next week

Machine Learning (Next Week)

- Continue the Python code to push now parsed connection data from the grid model to the Neo4J database
- Work on receiving input from the backend (reactive powers at all buses) into the machine learning application as control signal