Team/Instructor scrum #6

Team member & project (re)introductions

A tool that utilizes building energy consumption metrics and solar intensity data to calculate accurate ROIs on solar power generation. This tool will allow customers to see how different photovoltaic (PV) systems match up to their requirements, so they can make informed decisions. This tool could also utilize this data, once installed, to ensure that the solar power generation is meeting standards, and if not, alert the customer of an issue such as snow blockages, cracks, etc. There could also be an extension into other Greenwave business domains, such as power storage sizing for cloudy days and the night time.

Roles/Responsibilities

Tristan - data representation, meeting coordinator, server/web management, back-end design

Karlee - documentation, GitHub/wiki management, front-end design, meeting minutes

Kaden - data processing/management, vlog editor, back-end design

Scrum dates

Feb. 8, 2022 - Feb. 15, 2022

Status description

Project Status - Green

We feel like we are "on track". We have started to implement ROI calculations and other summary page statistics.

Team Member Contributions

Tristan - Added dynamic current ROI tracking, Added calculations for over generation and full credit generation, Updated chart to show the impact of over generation credit vs. full credit.

Karlee - Implemented annual generation statistics for summary page, Input validation (lat, long, installations), Trello board, Documentation
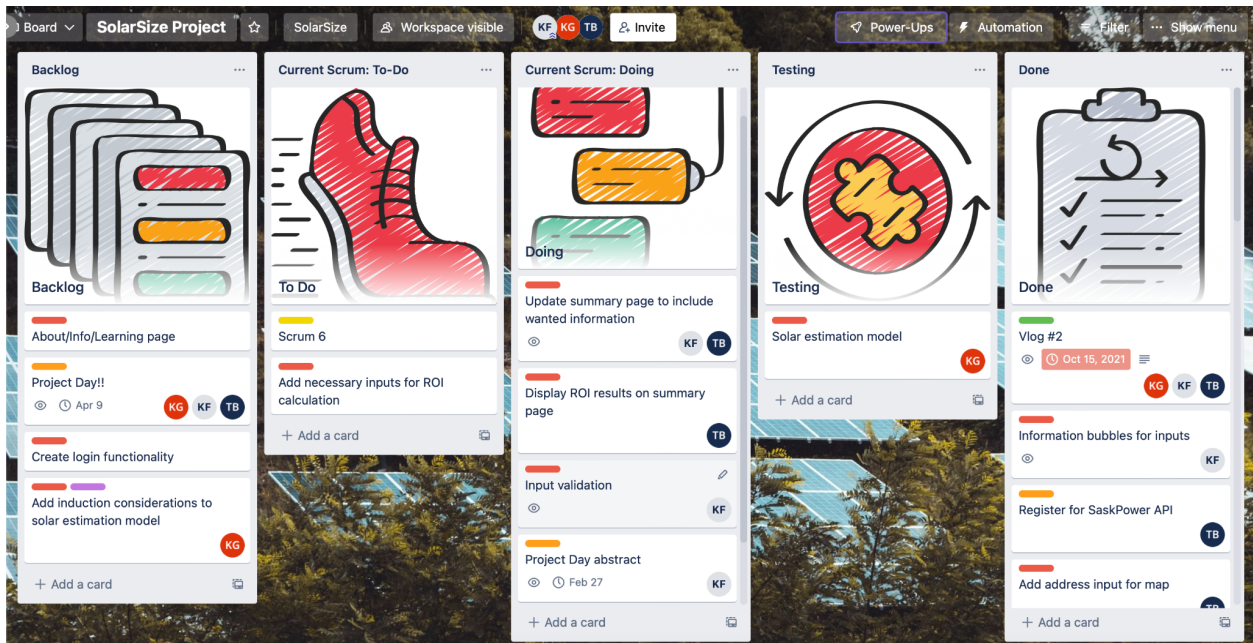
Kaden - Solar model testing, Documentation

Group - Worked on MVP #4, Reviewed our plan for the next month and a half, Scheduled meeting with Greenwave Innovations
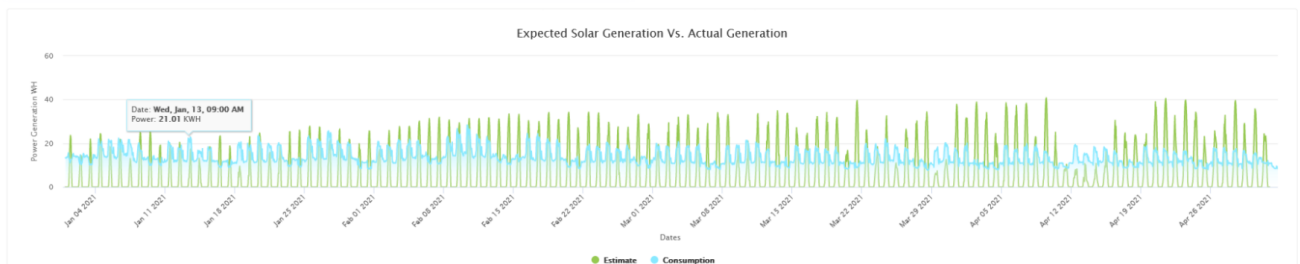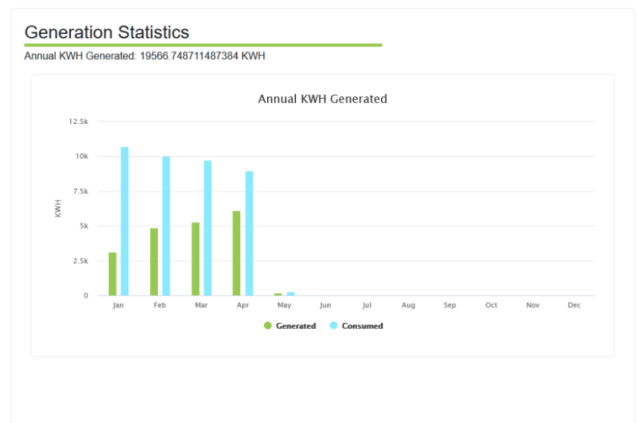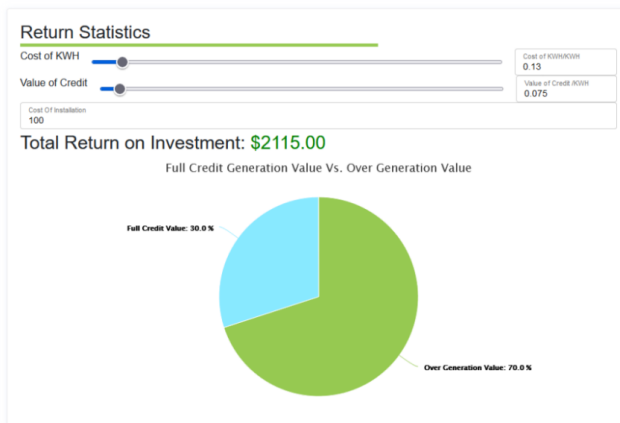
Project issues/changes

- No major issues or changes with our project

Documentation overview and/or project demo

- Trello Board

- Webpage demo

Next up

Overview of next several weeks: project day documentation, summary page updates/additions, work on saving location-based data

Tristan - Allow for extrapolation of ROI based on current data, Look into caching repeated location, Add additional/more clear inputs for ROI and existing inputs

Karlee - Improve input form validation, Display calculations on summary page, Explanation/educational information, User testing, Documentation, Meeting minutes

Kaden - UI and sizing updates, Presets and save configurations

Group - Meet with Greenwave Innovations, Meet with Dr. Yow, Complete MVP #4, Begin work on MVP #5, Complete project day requirements

Team reflection

Discuss:

- Does the team feel "on track"? (reiterate the above colour status)
  - Green status
  - Yes, we feel like we are "on track"
- What progress does the team particularly feel good (great) about?
  - We have started implementing the ROI and summary page statistic calculations
- What barriers (if any) does the team feel are a current impediment to success?
  - No barriers at this time
- What help (if any) does the team require to move positively forward?
  - Greenwave Innovations' input on billing calculations and ROIs
- What questions or concerns does the team have (if any)?
  - No questions or concerns at this time