

Team/Instructor Scrum #5

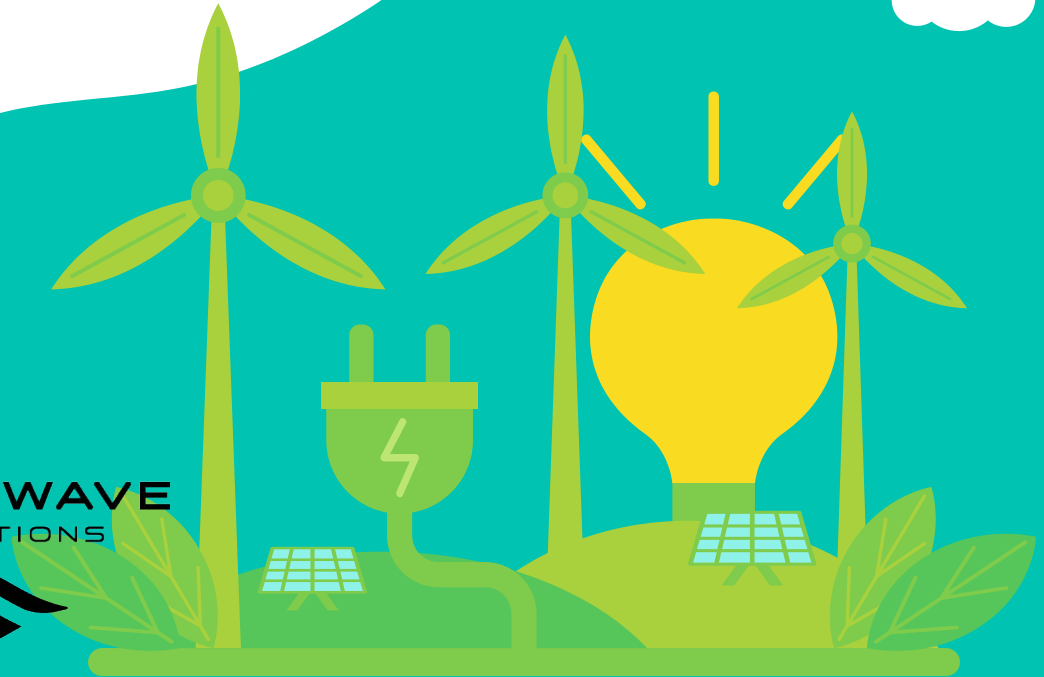
Feb. 1, 2022 - Feb. 8, 2022

Team SolarSize

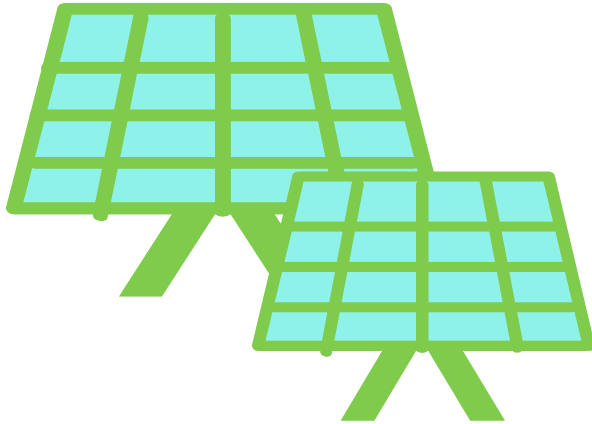
Tristan Brown-Hannibal
Karlee Fidek
Kaden Goski



GREENWAVE
INNOVATIONS



About This Project



- A tool that utilizes building consumption metrics and solar intensity data to calculate accurate ROIs
- Helps to determine over/under generation windows and size solar generation solutions accordingly

Project Status

Green

- Started to add ROI



Project Issues/Changes

- No issues or changes so far with the project



Team Member Contributions

Tristan

- Registered for SaskPower API
- Researched SaskPower rates
- Added support for address lookup in map

Kaden

- Power estimation model (Python)
- Code cleanup

Team Member Contributions

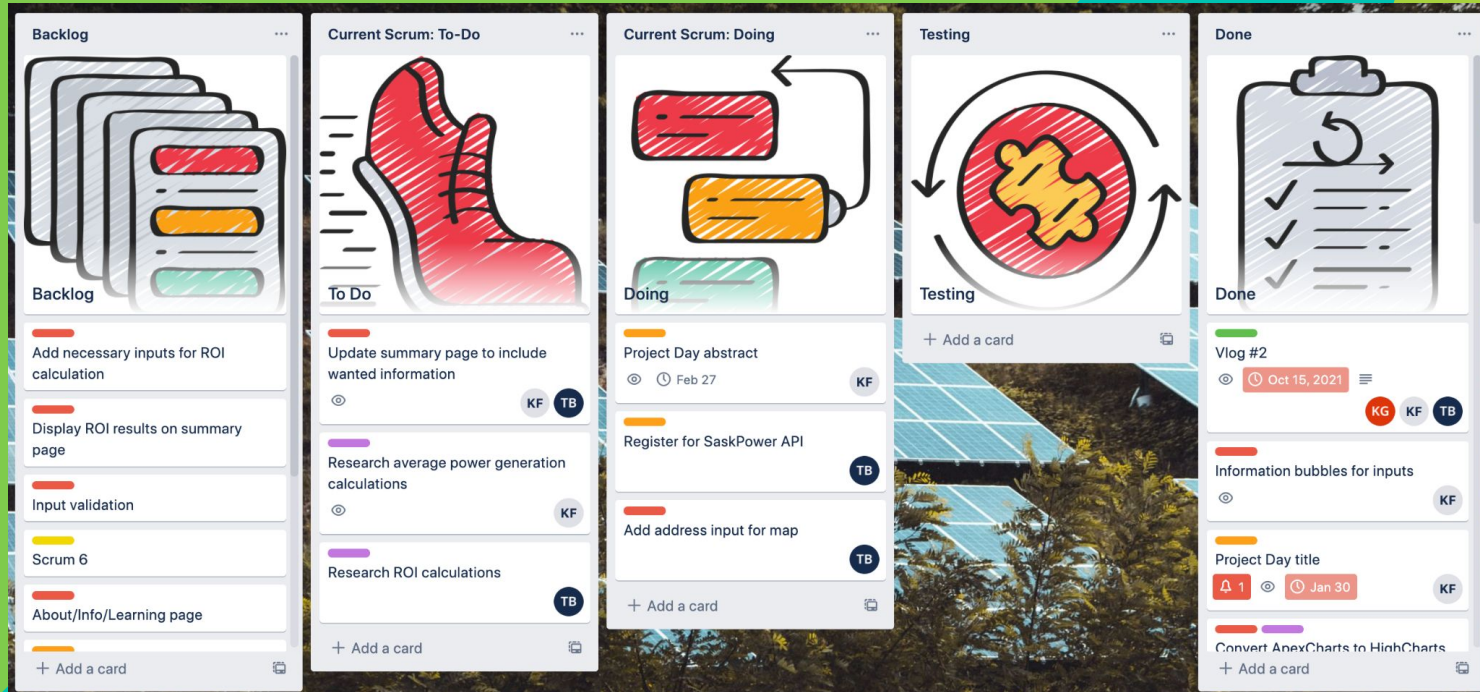
Karlee

- Looked into average calculations for summary page
- Looked into options for saving location specific data
- Trello board
- Project Day abstract

Group

- Worked on MVP #3

Trello Board



Demo

Inputs


Summary

Select a Location

Latitude

Longitude

Time Zone

 Choose consumption .csv files

Regina

Regina International Airport

Leaflet | © OpenStreetMap contributors

Enter your Address

Get

Panel Direction

Module TR
30

Module Area

Module Efficiency

Loss Coefficient

Select Billing Type

Start Date

End Date

Calculate

Next Up

Tristan

- Begin to display ROI calculation on summary page
- Look into caching repeated location
- Add additional/more clear inputs for ROI and existing inputs

Kaden

- Calculate optimal size of installations based on inputs

Next Up


Karlee

- Input form validation
- Display calculations on summary page
- Explanation/educational information
- Look at saving location specific data
- Documentation
- Meeting minutes

Group


- Meet with Greenwave Innovations
- Meet with Dr. Yow
- Work on MVP #4
- Get ROI and billing information from Greenwave Innovations
- Complete project day requirements

Team Reflection

- **Does the team feel "on track"?**
 - Green
 - Yes, we feel like we are “on track”
 - **What progress does the team particularly feel good (great) about?**
 - Access to SaskPower’s API and starting to add ROI
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Team Reflection

- **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' thoughts on billing calculations and ROIs
- **What questions or concerns does the team have (if any)?**
 - No questions or concerns at this time



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