Project Status Report

Name:	Rishabh Prasad
Community (UN SD goal):	Goal 11 – Sustainable Cities and Communities
MVP #	3
Sprint cycle dates:	Nov 16 / 2021 – Nov 29 / 2021

Project Name	Green Screen
Blurb	Green Screen serves as a solution to create better understanding of the state of recycling for the City of Regina within Waste Management Workers. As the city suffers from significant recycling contamination, it is vital to build knowledge of its source. Green Screen will be an actively updated knowledge base which promotes asynchronous learning for workers. This dashboard will serve to improve the experience of waste management workers consumption of information, allowing them to create actionable goals to lead the city towards a sustainable and green future.
For Week Ending	Nov 30 / 2021
Project Status	Green
Status Description	The status is currently Green as activities planned for MVP 3 as discussed in Scrum 2 were completed. Issues as previously mentioned were addressed and resolved by meeting with Avery from Prairie Robotics to discuss the best method of integrating real-world data within the dashboard.

Activities—During the past sprint cycle

1) Meeting with Avery to resolve issues regarding 404 Forbidden requests. Data is now being successfully fetched.
2) Implemented Map layers to now be interactable. By clicking on a region, it directs you to the page where the collection analysis for that specific region resides.
3) Added a container with coloured legends to indicate the day a region is collected
4) Implemented computations for data displayed within the panels
5) Implemented the ability for text and panels to change colour based on thresholds for the information they display. The included colours indicate the following:
    a. Green – The category for the region is performing well
    b. Orange – The category is underperforming and should draw attention
    c. Red – This category for the region is performing poorly and should be an immediate call for conversation and action
6) Additional small fixes related to routing of the web pages

Project Issues

Real-World Data integration process is not complete, and I will continue to work closely with the Prairie Robotics team to incorporate this within the upcoming MVP

Project Changes

References to regions are no longer made by their position in the city but instead by the day the region's recycling is collected. Example: instead of "east," this region is now referred to as "Monday"

Activities—Planned for Next Week

- Implement Graphs and Charts – 1 development day
- Continue working on integrating real-world data and potentially add API endpoints – 3 to 4 development days

Reflection

Do you feel "on track"?
Yes, I feel on track again as I was able to resolve issues mentioned in the previous scrum and have the meetings / conversations required to properly prepare me for the work that was completed within this scrum.

What progress do you particularly feel good (great) about?
I feel great about the implementation of coloured components based on thresholds. This improves the discoverability of information displayed tremendously.

What barriers (if any) do you feel is/are a current impediment to success?
Integration of data is still a barrier to success, but I believe with more time spent on this, my understanding of the API will improve, and things will fall into place.

What help (if any) do you require to move positively forward?
I'll require help from the Prairie Robotics team while working with the Streamsight API to collaborate and ensure my implementation of new endpoints to access data are done correctly.

What questions or concerns do you have (if any)?
No concerns at the moment as larger issues from previous sprints have been resolved. Looking forward, I will need to have further discussions and plan for the implementation of a notification system for hazardous waste which may be a difficult component to incorporate.