PAM DAMOFF'S YOUTH COUNCIL GEN GREEN PROJECT

DONE BY: KATIE AND SARA

WHO ARE WE?

PART 1: CARPOOLING

INTRODUCTION

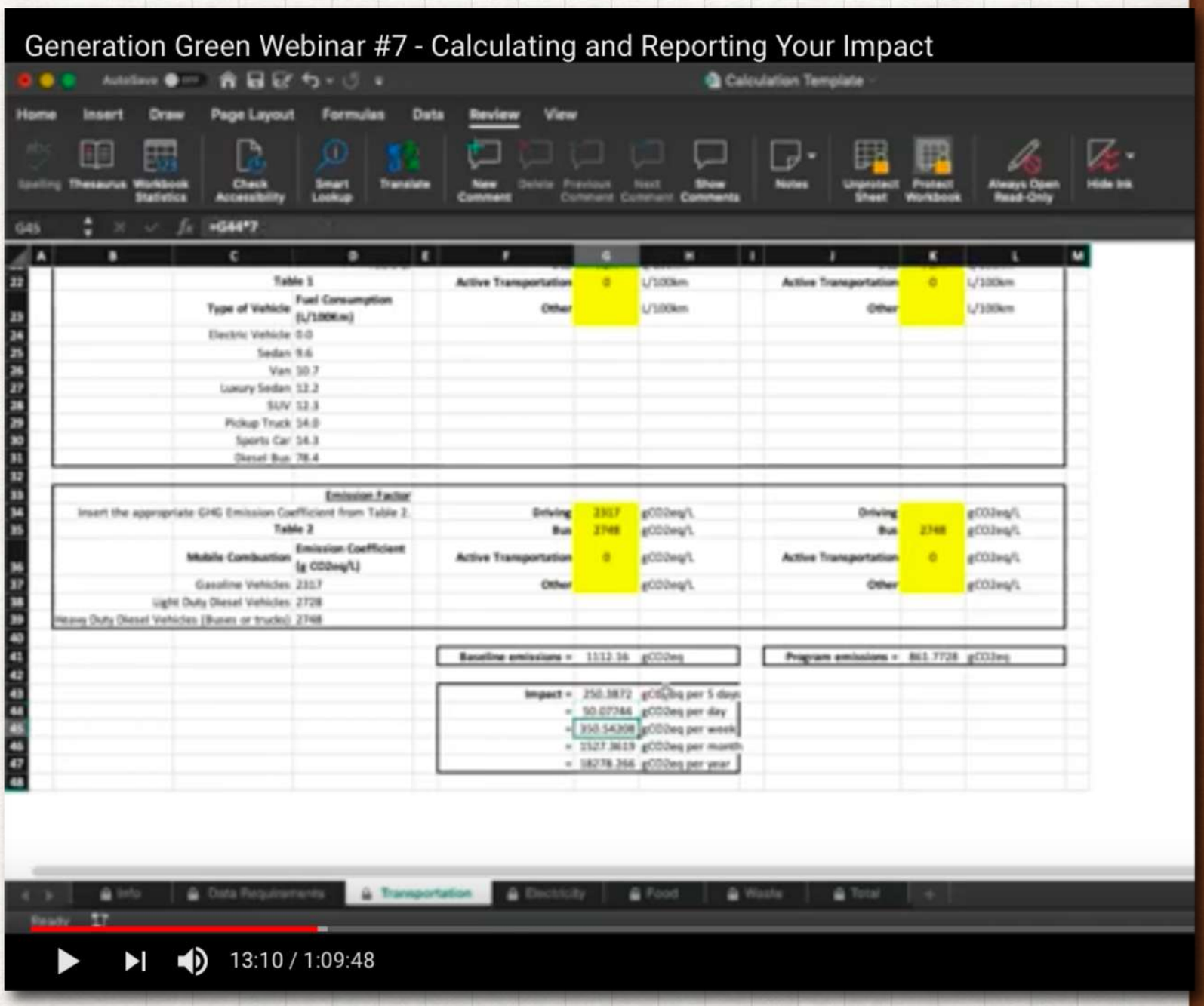
DATA

- Hey everyone! So to hopefully best explain this project, I split up our process into two main parts- data and planning.
- The first part we worked on was data, and compiling and calculating information, to really get an as-accurate-as-possible calculation of our GHG emissions.
- I was lucky, as my calculations were fairly simple, but there was a lot of info to collect.

HOW?

DATA

- So to start off, all the committee leads had a Skype meeting with the Gen Green co-ordinators, where we learned about webinars to watch, collecting data, etc.
- I then watched a webinar that HCC provided to learn about the basics, how to use the calculation template, etc.
- We also all set up our google forms, that we agreed to last meeting to collect our data.

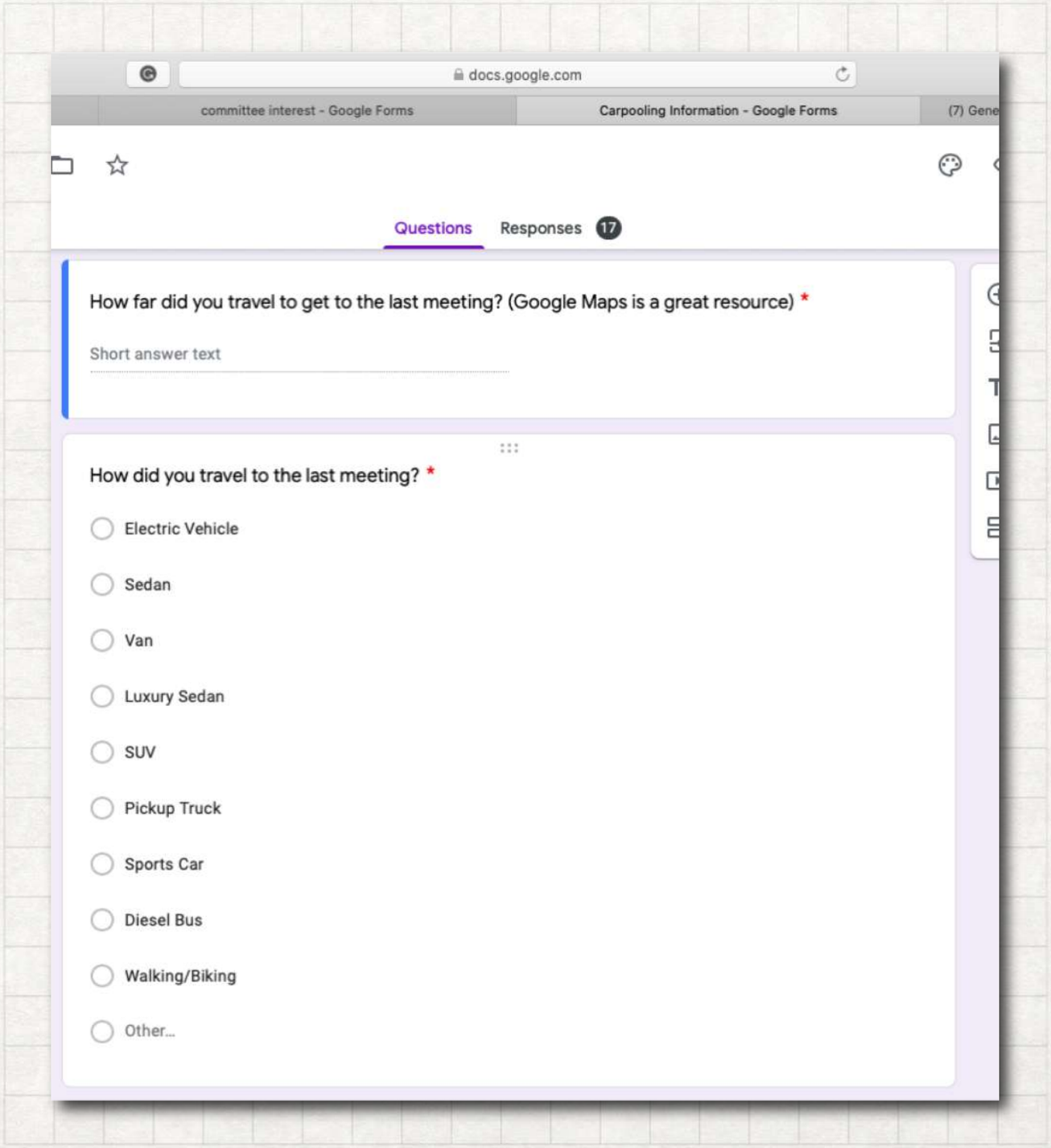


COLLECTION

DATA

- So to figure out what questions to ask on my google form, it was crucial to look at the calculation template provided by HCC to understand what data needed to be collected. In addition, we needed to collect information to help with the planning process, which I'll get into later.

- The main info needed from the template was the distance everyone drove to both meetings, and the type of car they drove. We decided to calculate the distance to this meeting, using the distance from our checkpoints (schools) instead of over-complicating everything, and to use the average energy intensity of the cars we drove, instead of using a separate template for each person. (This will make more sense once you see the template.)



THE CALCULATION TEMPLATE

DATA

- Baseline emissions: 44,469.741gCO2eq
- Program emissions: 4891.6504gCO2eq
- Difference: 39,578.09gCO2eq (or 39.588kg)

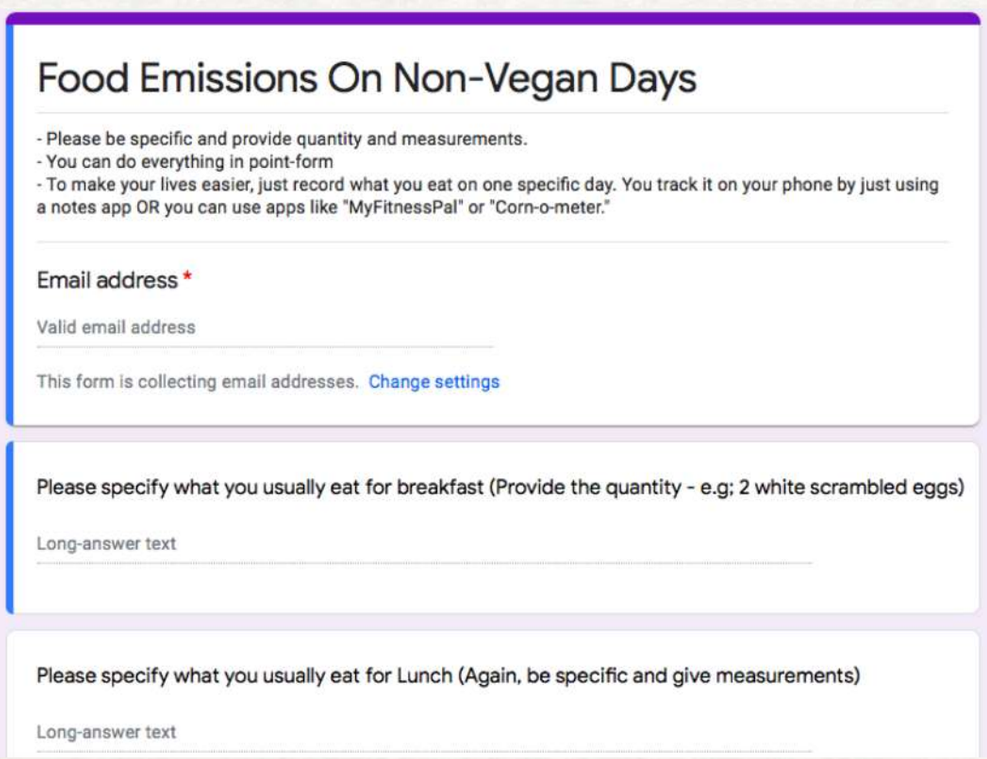
PART 2: MEATLESS MONDAYS

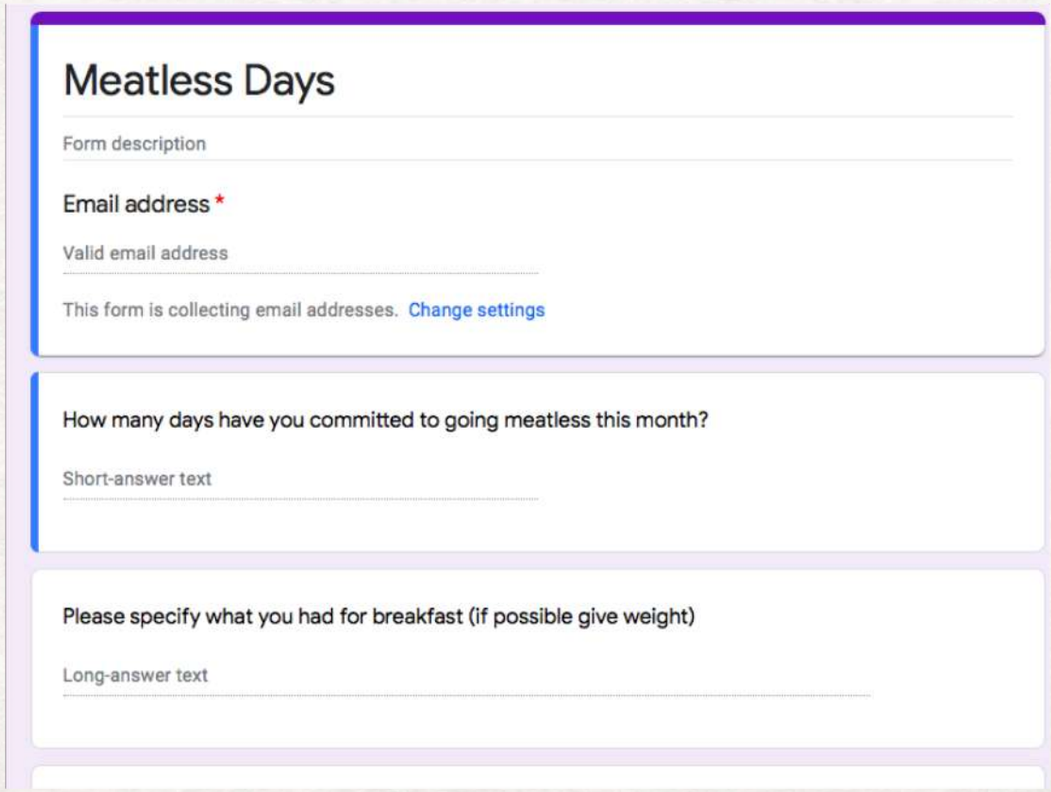
INFORMATION

- We decided to go meatless (including meat, eggs and chicken)
- This was decided upon 5 weeks ago and on average all of us went meatless 1 day a week!
- We replaced meat with nuts, grains, dairy products, and pasta.

CALCULATION

- Using a google form, I asked everyone to give an account of what they usually ate on a regular day.
- Then on another google form, everyone gave specifics of what they ate on meatless days and how how many days they committed to going meatless.





CALCULATION FOR BASELINE (1 DAY RESULTS ONLY)

- Chicken consumed: 1.278kg
- Beef consumed: 0.518kg
- Eggs consumed: 0.21123kg

CALCULATION AFTER PROGRAM

- Chicken consumed: 0.31kg
- Beef consumed: 0kg
- Eggs consumed: 0.12kg
- Nuts/Grains consumed: 1.063kg
- Dairy consumed: 0.3364kg
- Pasta consumed: 1kg

CARBON EMISSIONS - BASELINE

- Chicken: 8.8182 kgCO2eq/kg
- Beef: 12.986 kgCO2eq/kg
- Eggs: 1.013 kgCO2eq/kg

Baseline Emission: 18210.38359gCO2eq (or 18.21kg)

Impact for 30 days: 233236.0495gCO2eq (or 546.3kg)

CARBON EMISSIONS – PROGRAM (1 DAY CALCULATION ONLY)

- Chicken: 2.139kgCO2eq/kg
- Beef: 0
- Eggs: 0.828kgCO2eq/kg
- Nuts/Grains: 2.4449kgCO2eq/kg
- Dairy: 4.5414kgCO2eq/kg
- Pasta: 0.61kgCO2eq/kg

Total Emissions: 10563.3gCO2eq (or 10.563kg)

WHAT WE SAVED

- Baseline (Food): 18.21038359kg
- After (Food): 10.563kg
- Difference (Food): 7.6473835kgCO2eq SAVED!!!

THIS MONTH AS A TEAM WE SAVED 77.8149KGCO2EQ ON AVERAGE!!!!

THE END