



PARK PRIDE

Carbon Reduction Challenge 2020
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Overview

To reduce carbon emissions from Park Pride, I have two recommendations:

1. All Park Pride staff will re-evaluate offsite meetings and events and transfer the ones that can be virtual to a virtual setting
2. All Park Pride staff that can work from home are now able to work from home at least three days a week, the average amount desired by current Park Pride employees

Estimated Reduction in Carbon Emissions	Estimated Cost Savings
10.62 pounds CO ₂ /year	\$3145.98/year
12.69 pounds CO ₂ /year	\$1803.05/year

Background and Motivation



Park Pride is an organization that empowers the power of parks by supporting local park groups through grants, workshops, networking, and various programs.



The Carbon Reduction Challenge is a summer program that aims to reduce carbon emissions at organizations and companies across the globe by proposing a few changes.



My personal project is to help make Park Pride even more environmentally friendly by reducing carbon emissions through less frequent commutes to work and meetings.

Carbon Reductions and Cost Savings

To calculate the carbon emissions Park Pride employees would save by having virtual meetings using average CO₂ emissions, I took the responses from the survey to determine how many gallons of gas would be saved, and multiplied it by the conversion of 8.887 grams CO₂/year, and then by the conversion of 0.0022 pounds/gram to obtain **10.62 pounds CO₂/year**. I used the survey responses to determine the average yearly savings, which is approximately \$65.54 per week or **\$3145.98** per year for all employees.

To calculate the cost Park Pride employees would save by working from home three days a week, I took the responses from the survey to determine how many gallons of gas would be saved, and multiplied it by the conversion of 8.887 grams CO₂/year, and then by the conversion of 0.0022 pounds/gram to obtain **23.31 pounds CO₂/year**. I then multiplied the gallons of gas saved by \$2.80, the average cost of gas in 2019, to obtain the yearly savings of **\$1803.05** for all Park Pride employees.

Assumption: All Park Pride employees are represented by the average responses.

Co-benefits

Virtual Meetings

- decreases the commute time from both parties
- increases accessibility for those who have busy schedules or unreliable transportation
- increases the number of attendees (on average, from survey)
- allows for more leniency in rescheduling/cancelling meetings

More Work from Home Days

- decreased commuting = more time overall
- the home is a more comfortable or personalized work environment
- may increase productivity (from survey)

Next Steps

The next steps for this project is obtaining approval for allowing Park Pride members to work from home at least three days a week from the executive director and reviewing all meetings and events to decide which should be held virtually.