

Wyckoff Vehicle Fleet Analysis

By Daniel O'Connell

What is the Vehicle Fleet?

- Cars
- Trucks
- NOT
 - Lawn Mowers
 - Construction Vehicles
 - Smaller Vehicles

Format

- 3 Spreadsheets
 - Provided by Sustainable Jersey
 - 10 Points
 - First
 - Vehicle Inventory
 - Second
 - Vehicle CH₄ and N₂O
 - Third
 - Fleet Summary

Process

- Make and Models
- Annual Mileage
 - Each Department
- Found MPG For Each Model
- Divided Mileage by MPG
 - Determined Fuel Amount

Findings

- Based on my estimates
 - Vehicle fleet releases 434.647 Metric Tons of CO₂
 - A little over 68 African Elephants
 - 23 vehicles over 8 years old
 - 7 Firetrucks
 - 13 Trucks
 - 3 Police Vehicles

Conclusion

- When looking to replace vehicles
 - Variety of Greener Pickup Truck Models
 - 2018 GMC Canyon
 - 2018 Chevrolet Colorado
 - Greener Police Cars
 - Police Responder Hybrid Sedan



This project was completed as part of the Wyckoff Environmental Commission's Junior Commissioner initiative. Junior Commissioner Dan O'Connell, a student at Ramapo Regional High School in the class of 2020, created this presentation and the research for the project. December 2018