



Final Presentation *Fleet Management*

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Need & Approach

Need

- General Need:
 - Reduce TCNJ greenhouse gas emissions
 - Reduce the cost of operating fleet vehicles
- Stakeholders:
 - TCNJ administration and workers
 - Would need to allow for the change to occur as it can have a great impact on the day to day operations of their work.
 - Donors to the college
 - Their donations could possibly be funding this overall project.

Approach

- Allow user to input characteristics and model provides matching outputs
- Fill in the blank style
 - “List the total number of cars in the department ____”
- Dropdown Menu
- Simple way of showing information about TCNJ fleet vehicles



Benefits & Cost

Benefits

- User can obtain important information about TCNJ's fleet vehicles such as:
 - Annual emission and emission type of a vehicle
 - Department name of a vehicle
 - Number of cars in a department
 - Fuel, insurance, maintenance, tire replacement, and repairs cost
 - Engine type of a vehicle
 - Can search for vehicles manufactured below, above, or in a certain year
- Gives the proposed replacement year and replacement vehicle when you enter the make and model

Cost

- Extremely affordable
- Not an extension of another site as it would be a completely new website
- Requires Virtual Machine

User Interface

