

Transportation System DRS

1. What transportation does the idea/ final design contain?
 - a. Trains
 - i. Does the idea/ final design focus on: (Multi-choice: CAN PICK multiple items)
 1. Selling the current fleet (Tier II locomotives)?
 - a. Sell/upgrade all the Tier II
 - b. Sell/upgrade some but not all of the Tier II
 2. Tier III locomotives
 3. Tier IV locomotives
 4. Redesigning the shape of the locomotive?
 - a. Make the shape of the locomotive more aerodynamic
 - b. Change the capacity of the locomotive
 - c. Other
 5. The fuel used for the trains? (Multi-choice: CAN PICK multiple items)
 - a. Gasoline
 - b. Diesel (current system)
 - c. LNG (Liquefies Natural Gas)
 - d. CNG (Compressed Natural Gas)
 - e. Biodiesel (B20)
 - f. Alternative fuel
 - i. Wind
 - ii. Solar energy
 - iii. Solar power/ electric hybrid
 - iv. Kinematic energy (KE generated by the wheels will make the train self sustainable after it starts moving)
 - v. NA
 - g. Replace fueling infrastructure for locomotive
 - h. GE's Retrofit kits
 - i. NA
 - b. Boat/ ship/ tanker
 - i. Does the design focus on:
 1. The fuel used for the Boat/ ship/ tanker (Multi-choice CAN PICK multiple items)
 - a. Gasoline
 - b. Diesel (current system)
 - c. LNG (Liquefies Natural Gas)
 - d. CNG (Compressed Natural Gas)
 - e. Biodiesel
 - f. Alternative fuel
 - i. Wind
 - ii. Solar energy
 - iii. Solar power/ electric hybrid
 - iv. Kinematic energy (KE generated by the wheels will make the train self sustainable after it starts moving)
 - v. NA
 2. Other: _____
 - c. Plane
 - i. Does the design focus on:
 1. The fuel used for the plane (Multi-choice CAN PICK multiple items)
 - a. Gasoline
 - b. Diesel (current system)
 - c. LNG (Liquefies Natural Gas)
 - d. CNG (Compressed Natural Gas)
 - e. Biodiesel (B20)

- f. Alternative fuel
 - i. Wind
 - ii. Solar energy
 - iii. Solar power/ electric hybrid
 - iv. Kinematic energy (KE generated by the wheels will make the train self sustainable after it starts moving)
 - v. NA
 - 2. Other: _____
- d. Truck
 - i. Does the design focus on:
 - 1. The fuel used for the plane (Multi-choice CAN PICK multiple items)
 - a. Gasoline
 - b. Diesel (current system)
 - c. LNG (Liquefies Natural Gas)
 - d. CNG (Compressed Natural Gas)
 - e. Biodiesel
 - f. Alternative fuel
 - i. Wind
 - ii. Solar energy
 - iii. Solar power/ electric hybrid
 - iv. Kinematic energy (KE generated by the wheels will make the train self sustainable after it starts moving)
 - v. NA
 - 2. Other: _____
 - 2. Does the idea/ final design contain any of the following:
 - a. Adding a Biodiesel station
 - b. After treatment of air to improve air quality
 - i. Air filters on the transportation
 - ii. Air filters in the city
 - c. Trains can pick up freight as a ride sharing system.
 - d. Catalytic converter
 - e. No transportation needed (have cities become self reliant on sources)
 - f. Route design
 - g. Other: _____