KITTY SHI

CPSG101: CARBON FOOTPRINT INFOGRAPHIC

Our carbon footprint is an estimation of the total set of greenhouse gasses, measured in metric tons mt (t), we emit based off the activities and lifestyles that we live by.

PRESENT

[COLLEGE FRESHMAN]

HOUSEHOLD

Apartment Building, Dorm - 6+ units

4,000+ ft²
~545 residents
1-49% renewable energy
Average Omnivore

TRANSPORTATION

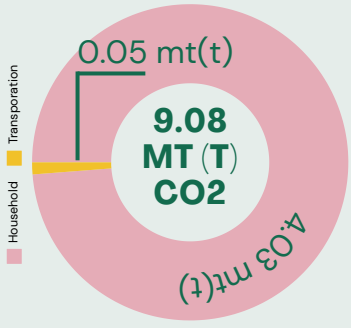
Average weekly travel: 5 mi

above-ground rail: 0
below-ground rail: 0
bus: 5 mi

Non-electric automobile: 100 mi/yr

average fuel economy of 32 mpg

AIR TRAVEL : 0 MI/YR



Equivalent to 3.3 hectares of tropical forest

FUTURE

[IN 15 YEARS - AGE 30]

Attached Single Family House

1,500-1,900 ft²
4 residents
50-99% renewable energy
Average Omnivore

HOUSEHOLD

TRANSPORTATION

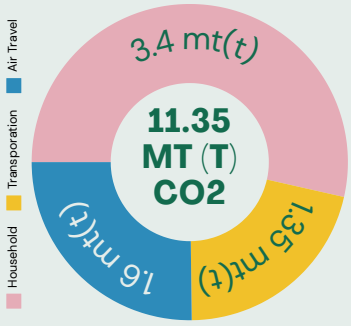
Average weekly travel: 270 mi

above-ground rail: 50 mi
below-ground rail: 70 mi
bus: 150 mi

Electric automobile: 1,200 mi/yr

average fuel economy of 35 mpg

AIR TRAVEL : 8,000 MI/YR



Equivalent to 4.13 hectares of tropical forest

In my approximate 30s living this fictious lifestyle, my per capita carbon footprint, 2.8375 mt (t) CO2/yr, will be lower than my Freshman self. On transportation, carbon emission is higher in 15 years due to longer commutes to work and groceries, 27 times more than now. My air travel will also drastically increase since I'll have a stable income and time to travel. However, my per capita household emission is lower since the attached home will be almost completely powered by renewable energy.