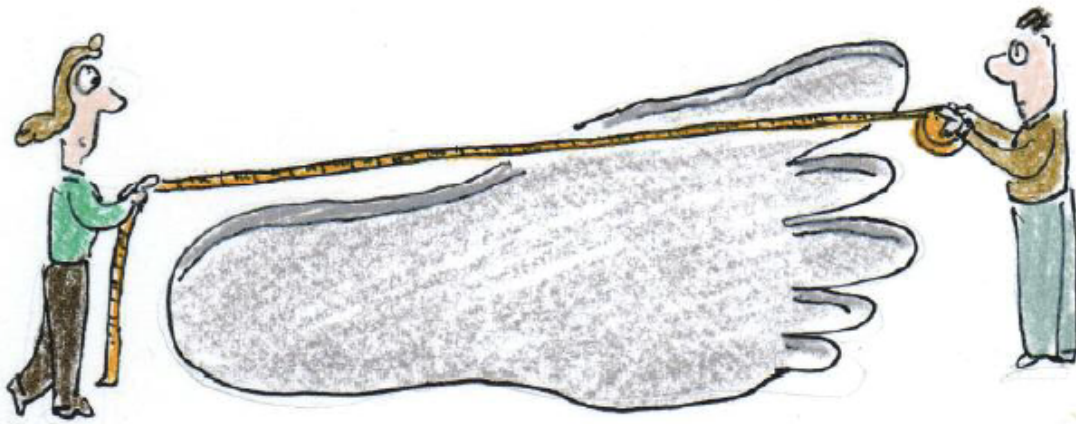


This document provides an example of the types of questions used by Cool Block and Community Climate Solutions to help residents understand their consumption-based emissions profile and provide tailored recommendations to reduce their impact. The City is able to customize these online tools to some degree, so the final calculators used in Mountain View may not be exactly as represented here.

COOL BLOCK

Our neighborhood. Our planet.



Calculator

Calculate Your Household's Carbon Footprint Baseline

This CO₂ calculator has been custom designed to accompany **The Cool Block**. It measures key contributors to your household's carbon footprint before any offsets are applied. In order to fill it out accurately you will need to have the following information at hand:

1. Recent payment statements from, or an online account for, your electricity, natural gas and/or heating oil providers.
2. The average weekly or annual miles driven in each of your household's cars.
3. The mpg of all your household's cars.

- The amount of airplane miles traveled per year. Click here to calculate distances between airports.

Please fill out the Calculator below and click SAVE.

1. How many gallons of garbage do you put out each week?

An average garbage can holds 32 gallons.

Enter your data

CO2 emissions per year in Lbs.

2. What was your total household kWh usage over the last twelve months?

Typical Emissions Factor: 1.4 Pounds of CO2 per kWh

Local Emissions Factor: 0 Pounds of CO2 per kWh

Enter your data

CO2 emissions per year in Lbs.

3. On average, how many therms of natural gas do you use per year?

Enter your data

CO2 emissions per year in Lbs.

4. On average, how many gallons of propane do you use each year?

Enter your data

CO2 emissions per year in Lbs.

5. On average, how many gallons of fuel oil do you use per year?

Enter your data

CO2 emissions per year in Lbs.

6. On average, how many miles do you put on your primary car?

300 miles/week or 15,000 miles/year is about average in the United States

Enter your data

Per Week

Per Year

7. If you have a second car, enter the number of miles you drive.

Enter your data

Per Week

Per Year

8. If you have a third car, enter the number of miles you drive.

Enter your data

Per Week

Per Year

9. What is the average gas mileage for your primary car?

If you're unsure, assume your car gets 22 miles per gallon, which is about average.

Enter your data

0

N/A - My car is electric (EV)

CO2 emissions per year in Lbs.

0

10. What is the average gas mileage for your second car?

Enter your data

0

N/A - My car is electric (EV)

CO2 emissions per year in Lbs.

0

11. What is the average gas mileage for your third car?

Enter your data

0

N/A - My car is electric (EV)

CO2 emissions per year in Lbs.

0

12. Estimate the average number of miles that your household travels by air each year. Do not include work-related travel that you do not control.

Enter your data

CO2 emissions per year in Lbs.

13. The number of days in the week my household eats meat-based meals, on average. (Zero implies the footprint of a vegetarian diet).

Enter your data

CO2 emissions per year in Lbs.

Your Total Emissions

SAVE

Reset your carbon baseline

Typical CO₂ output per household per year

United States: 54,600

Germany: 27,700

Sweden: 14,600

Mexico: 10,600

Kenya: 400





Let's talk about your kitchen & laundry

The appliances you use in the kitchen and for washing and drying clothes all impact your household footprint.

What kind of stovetop do you have?

The stovetop is where the burners are (not the oven). Some stoves have different fuel for the stovetop and the oven, so we will ask about both. This one is pretty easy, if you see a flame, it is gas or propane. If not, it is likely electric.





 We have a gas stovetop	 We have an electric stovetop	 I'm not sure	 We don't have a stovetop
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How often do you use your stovetop?

- Never**
We rarely use our stovetop
- Sometimes**
We use our stovetop at least once a week
- Often**
We use our stovetop 3-5 times/week
- Daily (low)**
We use our stovetop once a day
- Daily (high)**
We use our stovetop multiple times a day

What kind of oven do you have?



Same as your stove, if you see a flame or need to light a pilot to turn on your oven, then it is gas or propane. If not, it is likely electric.

 We have a gas oven	 We have an electric oven	 I'm not sure	 We don't have an oven
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How many hours a week do you use your oven?




- Never**
We rarely use our oven
- Sometimes**
We use our oven at least once a week
- Often**
We use our oven 3-5 times/week
- Frequently**
We use our oven once a day
- Daily**
We use our oven multiple times a day

Where do you do your laundry?

 Inside my home	 At a laundromat or central laundry area
---	--

What kind of dryer do you have?

Look for a big plug for an electric dryer or a gas line and vent for a gas or propane dryer.

 We have a gas dryer	 We have an electric dryer	 I'm not sure
---	---	---

How many loads of laundry do you do a week on average?

It's ok if your estimation isn't perfect. We just need an average here. Make sure to count loads for everyone in your household. So if two people in your household each do 2 loads a week, then it would be 4 total.

3 ▼ loads per week

← Previous

Save and exit ✓

Next →







Let's talk about heating and cooling



Heating and cooling are usually the largest source of energy use in your home.

What kind of fuel do you use to power your main heater?

The best way to tell is by your bill – do you pay for gas or fuel oil? If yes, this is likely what runs your heater. Or, look at what fuel cost goes up in the winter? Electricity? Gas? Also, do you ever need to light a pilot light for your heater? If so, it is likely gas or propane powered. If none of these apply, you could have electric heating. If you don't have a bill or aren't sure, choose, I'm not sure.

 We have a gas or propane heater	 We have an electric heater	 I'm not sure	 We don't heat our house
--	---	---	--



Do you also use portable electric heaters (plug in)?

 No, we don't use portable electric heaters	 Yes we use portable electric heaters
---	---

Do you use Air Conditioning?






Both central AC and window or wall units count here.



 No, we don't have AC	 Yes we have AC
---	---

What kind of fuel do you use to heat your water?





Just like your home heating, if you pay a gas or fuel oil bill, that is often the fuel that also runs your water heater. Also, if you ever need to light a pilot light for your water heater, it is likely powered by gas or propane. If you have solar water heating, choose the energy source for your backup heater. If you're not sure, choose I'm not sure.

 We have a gas or propane water heater	 We have an electric water heater	 We have an electric heat pump water heater	 I'm not sure
 We share a water heater with other units in our building			

Let's talk about pools and hot tubs

Pools and hot tubs can use a lot of fuel

Do you have a Pool or Hot Tub?



 We have neither	 We have a pool	 We have a hot tub	 We have both
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Let's add in your energy use



Adding in your actual electricity and gas or other energy use will help us provide the best estimates on your impact and recommendations on actions. First, a few questions about your electricity

Does your home have solar panels for electricity?

 No	 Yes
---	--

Do you participate in a 100% green electricity program through your utility or other company?




A Green Electricity program is where you pay a bit extra and your utility (or other company) purchases clean, renewable energy equal to your electricity use.

 No	 Yes
---	--

Do you have a direct utility account for your electricity? If yes, have you had the account for at least 12 months at your current home?

If you pay your bill directly to the utility for your home energy, you have a direct account. If you pay for your home energy use to your landlord or a

condo association, then you don't have a direct account. We need at least 12 months of service to use your actual data. If you don't have 12 months, then we can estimate your use.

 We have a direct account with 12+ months of service	 No, we don't have a direct account	 We have a direct account with less than 12 months of service
--	---	---

Please tell us which utilities you have service with:

Utility (electricity)

Palo Alto Utilities ▼

Utility (gas)

Palo Alto Utilities ▼

Add Your Energy Use

To Add Your Home Energy Use data, you can either choose to hand enter at least 12 months of data or we can estimate your energy use below.

Hand entering your data only takes a few minutes and will provide us the best estimate of you energy use. If that's not an option, we can estimate based on local energy use trends in your area. You can also choose to enter one and have us estimate another.

Electricity Use



Electricity Use

Natural Gas Use

Natural Gas Use

Which home energy use do you need us to estimate?

Please choose all the types of energy you use you need us to estimate below.

 Electricity	 Natural Gas/Propane
--	---

← Previous

Save and exit ✓

Next →



How do you get around?

Transportation has the highest impact in most households.

Select all the ways people in your household get around

If you walk, bike, skateboard or unicycle, your miles are carbon free! So no need to report them here.

 Car (truck, minivan...)	 Train or subway	 Car share (i.e. Lyft)	 Bus
 Airplane	 Carpool		

Tell us about the cars in your household

 Car 2	 Car 1	 Add a car
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Tell us about your train, light rail or subway travel

How many miles per week do you ride the train, light rail or subway?

It's ok if your estimation isn't perfect. Try estimating based on your regular destinations and how often you ride. For example, if you commute by train 20 miles/day, 5 days a week, that's 100 miles/week.

miles per week

Tell us about your bus travels

How many miles per week do you ride the bus?

It's ok if your estimation isn't perfect. Try estimating based on your regular destinations and how often you ride. For example, if you commute by train 5 miles/day, 5 days a week, that's 25 miles/week.

miles per week

Tell us about your carpool travel

How many miles per week do you carpool?

It's ok if your estimation isn't perfect. Try estimating based on your regular destinations and how often you ride. For example, if you commute by carpool 20 miles/day, 5 days a week, that's 100 miles/week.

miles per week

Tell us about your rideshare travel

How many miles per week do you use a ride share service like Lyft or Uber?

It's ok if your estimation isn't perfect. Try estimating based on frequent destinations or check your ride share apps ride log to get an idea of your normal use.

0

miles per week

Tell us about your air travel

On average, how many miles do members of your household fly a year?

It's ok if your estimation isn't perfect. Think about your air travel over the last few years and estimate based on recent trips and upcoming plans.

5000

miles per year

Do you currently purchase offsets for any of your air travel?

Offsets help to reduce your impact from air travel if you need to fly. If you don't purchase offset nows, learn more about this on the Offset Air Travel action!

0

offset miles purchased per year

← Previous

Save and exit ✓

Next →



Tell us a bit about your food choices


Some foods have a higher impact than others.


How many meals a week include red meat in your household?

Some foods like red meat, have a higher impact. Learn more in the actions section! Add together the average meals eaten each week from all members of your household and enter below. For example - if one person eats red meat on average 4 times/week and the other 2 times/week, enter 6.

8 ▼ meals per week

How do you dispose of your garbage?


Into bins at our house


Into shared bins at our building

What size is your garbage bin?

- 20 gallons
- 32 gallons
- 64 gallons
- 96 gallons