CO₂ Calculators

October 2015 Review

There are organizations and individuals who are making contributions in promoting reductions in personal CO₂ emissions by creating CO₂ or greenhouse gas calculators. Many of our daily activities - using electricity, driving a car, or food choice - cause greenhouse gas emissions. Together these emissions make up a household's carbon footprint. The comparison chart below covers three areas: home energy, transportation, and food. Everyone's carbon footprint is different depending on his or her location in the country, habits, and personal choices. This paper includes five of the CO₂ Calculators that are publicly available.

Comparison Chart

There are numerous calculators that estimate personal CO₂ emissions or footprint. This comparison chart will give you some idea of what is available.

Tool	Measures CO2 emissions from			Allows for CO2		Characteristics	
	Housing	Transportation	Food	Calculation	Tracking	Detailed	Professional
Oroeco	$\sqrt{}$	$\sqrt{}$		$\sqrt{}$	$\sqrt{}$	$\sqrt{}$	$\sqrt{}$
Shrink that Footprint	$\sqrt{}$	$\sqrt{}$	\checkmark	$\sqrt{}$		$\sqrt{}$	$\sqrt{}$
Cool Climate Network	$\sqrt{}$	$\sqrt{}$		$\sqrt{}$		$\sqrt{}$	$\sqrt{}$
Carbon Footprint Calculator	$\sqrt{}$	V		V		$\sqrt{}$	V
CO2 List	√	V		V			

Snapshots of 7 Calculators

This is an overview of comparable tools. Follow links for more in depth exploration.

Oroeco - https://www.oroeco.com



Released in April 2014, this application allows users to monitor their carbon emissions by converting their spending habits into CO2.

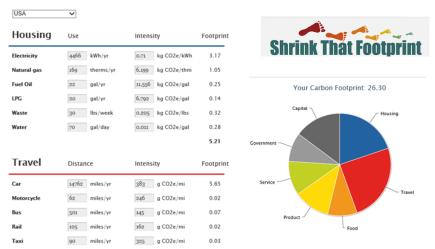
Oreoco links with a user's Mint.com account and uses expenditures, stated habits/preferences, and life cycle assessments (from peer-reviewed sources like EPA and UC Berkeley) to display CO2 emissions over time.

It also displays suggested actions (including cost and cost savings) and the

ability to purchase offsets.

The concept, detail, and design are excellent and Oreoco has many credible partners and advisors (over 50 listed on their website).

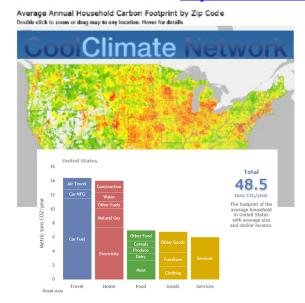
Shrink That Footprint - http://shrinkthatfootprint.com/carbon-calculator



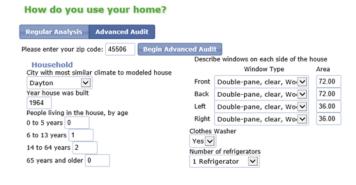
Started by a British researcher named Lindsay Wilson, Shrink that Footprint provides a clean vet detailed way to calculate your personal carbon emissions and also see the per capita emissions of government, industry, and finance.

Users enter information for their housing, travel, food, products, and services. The website includes many graphics, tips, and a guide for reducing emissions.

Cool Climate Network - http://coolclimate.berkeley.edu



Berkeley's Cool Climate Network features a detailed household emissions calculator, a downloadable carbon emissions widget, and a map of average carbon emissions per household in various places in the US.



Carbon Footprint Calculator - http://calculator.carbonfootprint.com/calculator.aspx?tab=8



Your Carbon Footprint:

✓ House	0.19 metric tons of CO2e					
✓ Flights	0.00 metric tons of CO2e					
✓ Car	1.12 metric tons of CO2e					
✓ Motorbike	0.00 metric tons of CO2e					
☑ Bus & Rail	0.18 metric tons of CO2e					
✓ Secondary	1.03 metric tons of CO2e					
Total = 0.50 metric tone of COse						

Total = 2.52 metric tons of CO₂e

The calculator allows users to input actual values or carbon .. footprint dollar values to determine carbon emissions. The design is simple but clear and easy to use.

The company is a provider of carbon life cycle assessment.

CO2 List - http://www.co2list.info



This is a comprehensive source of information with emissions data from a variety of reputable organizations. The calculator, an Excel spreadsheet, is incredibly detailed, but also complicated and confusing.