Respond To Global Warming!

Calculate Your Household Carbon Emissions And Make a Plan to Reduce Them

If human behavior is causing global warming, changes in human behavior can slow down global warming and prevent its worst consequences. We need changes in group behavior—policy changes. And we need to change our individual behaviors.

To put some numbers on your personal carbon emissions,

-- Enter your use of gas, electricity, and so-forth under the heading, Yearly Use.
-- Enter your cost per unit of these items under the heading, Cost Per Unit.
-- Enter the amount you spend on airline tickets each year under, Extended Cost, to find out how much you spend per air mile.

See the bottom of this page for more information on calculating and estimating.

Source of Emissions	Yearly Use	Emissions/Unit	Pounds of CO2	Cost Per Unit*	Extended Cost
Gas (in gallons)					
Diesel (in gallons)					
Propane (in gallons)					
Electricity (in kilowatt hours)					
Firewood** (in cords)					
Airline miles (round-trip)					
		Total Emissions		Total Cost	

Using This Form

1. **Source of Emissions:** Some common sources of carbon emissions.* Note the units in parenthesis when calculating use.
2. **Yearly Use:** Enter in decimal format by unit stated under Source of Emissions. Example: If you use two-and-a-half (2 1/2) cords of firewood per year, enter 2.5 into the Yearly Use column and make sure you are typing on the Firewood row.
3. **Emissions/Unit**: This is the amount of C02 emitted per unit (gallons, kilowatt hours, cords, or airline miles).
4. **Pounds of CO2**: This is the total amount of CO2 emitted per source as calculated by Yearly Use.
5. **Cost Per Unit:** Enter the known cost per gallon, kilowatt hours, or cords in decimal format into the Cost Per Unit field. These amounts can usually be found on any bills, invoices and other records the various service providers give you. For help with calculating and estimating, see the related section below.
6. **Extended Cost:** This is the total amount you spend per year based on Yearly Use and Cost Per Unit. To calculate cost per airline mile, first enter your total airline miles into the Yearly Use column. Then, in the Extended Cost column, enter your total expenditures on airline tickets. You cost per air mile will be calculated for you in Cost Per Unit.

Calculating and Estimating

1. **Gas:** Estimate gallons of gas from your credit card bill for gas; or estimate it based on mileage driven and your vehicle's miles per gallon. Include gas for chainsaws and other homestead machines.
2. **Diesel:** Base this number on credit card bills, delivery records or estimated usage.
3. **Electricity:** Get your kilowatt hours from your PG&E bills. Alternative energy sources don't calculate the same way, so don't include those figures.
4. **Propane:** The propane company keeps a record, so contact them if you don't have copies of your invoices.
5. **Firewood:** A cord is a well stacked pile of wood measuring 4' x 4' x 8'. (Is firewood "carbon neutral?" See brief discussion on the next page. Rate your firewood harvesting practices, and give yourself credit if you like.)
6. **Air travel:** You can find an air mile calculator at: http://www.webflyer.com/travel/milemarker