Carbon Footprint Calculator
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1. Calculate airline miles (based on flying from DC)
    a. Enter the number of each type of trip in the "**#**Trips" column
    b. Multiply this by the "Miles RT" to get the "Total" for each type of trip
    c. Add the "Totals" to get a "Grand Total"

Destination	**Miles RT**	**#Trips**	**Total**
Boston	1,000		
Minneapolis	2,000		
Denver	3,000		
Jackson Hole, WY	4,000		
San Francisco	5,000		
Europe	9,000		
Grand Total			

2. Calculate "Tons CO2" for each "activity"
    a. Enter appropriate values in the "Quantity" column
        i. If your car is really fuel-efficient, use a factor of ".3"
    b. Multiple these by the value in the "Factor" column and put the result in the "Tons CO2" column

Category		Quantity	Factor[1]	Tons CO2	US Avg[1]
House					
Water				1	1.7
Construction				1	1.35
Electricity	$/month		.1[2]		7.8
Gas	$/month		.05[2]		2.9
Other					1.0
Transportation					
Cars	1000's Miles/year		.4		15.2
Flying	1000's Miles/year		.5		2
Bus/Train	1000's Miles/year		.2		.1
Other Expenses					
Food	#People		2.5		5.6
Other Expenses	$1000/month		5		14.7
Total					52.6
Total Per Person					26.3

3. Add the "Tons CO2" and put the number in the "Total" row

For reference:

- US per capita CO2 emissions in 2009 – 19 tons[3]
- US per capita GHG missions in 2000 (w/o land use changes) – 26.7 tons[5]

4. Calculate your carbon Offset – what you should donate to fighting climate change

Web Site	**$/US Ton**	**Total $**
Berkley[1]	20	
Terra Pass[6]	6	
Nature Conservancy[7]	13.5	
EPA Social Cost of Carbon	38.5	

Footnotes

1	http://coolclimate.berkeley.edu/carboncalculator
2	Specifically for Northern Virginia
3	http://en.wikipedia.org/wiki/List_of_countries_by_carbon_dioxide_emissions_per_capita
4	http://en.wikipedia.org/wiki/List_of_countries_by_greenhouse_gas_emissions_per_capita
5	Levelized Cost of New Generation Resources in the Annual Energy Outlook 2013. Released January, 2013. Report of the US Energy Information Administration (EIA) of the U.S. Department of Energy (DOE)
6	http://www.terrapass.com/carbon-footprint-calculator-2/
7	http://www.nature.org/greenliving/carboncalculator/