

Home Energy Rates, Consumption, and Carbon Footprint

Home Energy Rates, Current Consumption, and Current Carbon Footprint

Type of Energy	Local (i.e. San Diego) Rate	Average U.S. Rate	Average U.S. Annual Consumption <i>per person</i> (in dollars; in said units)	Average U.S. Annual Carbon Footprint per person (in pounds of CO ₂)	Annual Consumption in Your Home (in dollars)	Your Household's Annual Carbon Footprint Due to energy use in the home only (in pounds of CO ₂)
Electricity	\$0.152 per kilowatt-hour	\$0.119 per kilowatt-hour	\$528; 4,437 kilowatt-hours	5,384		
Piped Natural Gas	\$0.992 per therm	\$1.068 per therm	\$276; 259 therms	3,071		
Liquid Propane Gas	\$2.566 per gallon	\$2.47 per gallon	\$444; 180 gallons	2,243		
Fuel Oil	\$2.516 per gallon	\$4.02 per gallon	\$864; 215 gallons	4,848		
Total	X	X	\$2,112	15,546		

- Local rates courtesy of Forterra.org and typical of San Diego, CA (2016)
- Average U.S. rates courtesy of www3.epa.gov/carbon-footprint-calculator

Home Energy Rates, Consumption, and Carbon Footprint Given Reduction¹ in Natural Gas Due to Solar Oven Usage

Type of Energy	Local (i.e. San Diego) Rate	Average U.S. Rate	Average U.S. Annual Consumption <i>per person</i> (in dollars; in said units)	Average U.S. Annual Carbon Footprint <i>per person</i> (in pounds of CO ₂)	Annual Consumption in Your Home when Solar Oven Used (in dollars)	Your Household's Annual Carbon Footprint when Solar Oven Used (due to energy use in the home only; in pounds of CO ₂)
Electricity	\$0.152 per kilowatt-hour	\$0.119 per kilowatt-hour	\$528; 4,437 kilowatt-hours	5,384		
Piped Natural Gas	\$0.992 per therm	\$1.068 per therm	\$276; 259 therms	3,071		
Liquid Propane Gas	\$2.566 per gallon	\$2.47 per gallon	\$444; 180 gallons	2,243		
Fuel Oil	\$2.516 per gallon	\$4.02 per gallon	\$864; 215 gallons	4,848		
Total Carbon Footprint from home energy use (in tons of CO ₂)	X	X	X	15,546		

- Local rates courtesy of Forterra.org and typical of San Diego, CA (2016)
- Average U.S. rates courtesy of www3.epa.gov/carbon-footprint-calculator

¹ Annual natural gas reduction will be predefined by each student and made explicit (i.e. as a percent reduction) in their pitch to their household