

DID YOU KNOW?

The Intergovernmental Panel on Climate Change published a comprehensive report on global warming in 2007 and concluded:

- Warming of the climate system is unequivocal
- Most warming since the mid-20th century is very likely (defined by IPCC as a probability of more than 90 percent) due to the observed increase in human greenhouse gas emissions and;
- The probability that this is caused by natural climatic processes alone is less than 5 percent.

In recent years, all major scientific bodies in the United States have issued similar statements. No scientific body of national or international standing is known to reject the basic findings.

What does this mean for Illinois?

The Union of Concerned Scientists predicts the following effects in Illinois of unmitigated global warming:

- A substantially warmer climate, with potentially drier summers
- Increased frequency of extreme weather events, such as droughts, floods, heat waves, rainstorms and tornadoes



NAPERVILLE FOR CLEAN
ENERGY AND CONSERVATION

NCEC is a local, grass-roots organization dedicated to educating Naperville residents about the connections between our personal actions and climate change, and to encouraging individual and civic action to address this issue.

Our Vision:

For all Naperville residents to work together to reduce our community's footprint on the earth, specifically:

1. Increase Naperville's use of renewable energy
2. Decrease Naperville's use of
 - A. coal-generated electricity
 - B. traditional vehicle fuels
 - C. natural gas

Contact Us:

www.ncec.us

sarahesralph@yahoo.com

stephanie_hastings@hotmail.com

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WHAT CAN WE DO?

POWER PLANTS & TRANSPORTATION ARE THE LARGEST CONTRIBUTORS OF GREENHOUSE GAS EMISSIONS

How much is your household contributing to global warming?

Here's a quick and simple way to calculate your household's annual CO2 emissions:

1. Vehicle fuel use

For each car, divide the miles driven annually by the average MPG for your vehicle. Then multiply by 19.6.

2. Electricity consumption

Look at your utility bills. Multiply the total annual KWH (kilowatt hours) by 1.16 (the average carbon load for Illinois sources of electricity).

3. Natural gas

Look at your utility bills. Multiply annual total therms of natural gas consumed by 12.07.

Add these figures, and you have a rough estimate of the pounds of CO2 your household is responsible for emitting each year.

1. Each vehicle	Annual miles	÷	Average MPG	×	Multiplier	
	<input type="text"/>		<input type="text"/>		19.6	<input type="text"/>
2. Electricity	Annual KWH			×	Multiplier	+
	<input type="text"/>				1.16	<input type="text"/>
3. Natural gas	Annual therms			×	Multiplier	+
	<input type="text"/>				12.07	<input type="text"/>
						Gr. Total

Source: Energy Information Administration
www.eia.doe.gov

How can you reduce your household's emissions?

Reduce Vehicle Fuel Use:

1. Make your next car a hybrid, or the most fuel-efficient model possible.
2. Don't drive everywhere! Walk, bike, take the train or bus. Try carpooling.
3. Keep your car operating efficiently by taking it in for regular tune-ups, keeping the tires properly inflated, and changing the air filter as needed.

Reduce Electrical Use:

1. Participate in Naperville's Renewable Energy Program.
2. Light your home more efficiently by replacing incandescent light bulbs with CFLs or LED bulbs.
3. Buy Energy Star appliances.

Reduce Natural Gas Use:

1. Use a programmable thermostat; set it for a lower temperature at night, or when no one is home.
2. Tighten up your home by sealing cracks and gaps in ductwork and any areas you feel a draft.
3. Reduce hot water consumption by washing clothes in cold water.

A Few More Ideas:

1. Recycle
2. Be a smart consumer: Consider the true cost of an item before purchasing it (how it is made, what it is made of, whether it can be recycled, how long it will last).
3. Speak up! Be an engaged citizen. Tell your city council members, state representatives, Congressperson, Senators and President that you are concerned about climate change and you want to see government action!

For more ideas and more information about what you can do, or to join NCEC, visit our web site

www.ncec.us

