

Save Money... & save the planet.

Dr. S.Cruz-Pol

**Global Warming
can destroy our planet!**

If we just sit and do nothing about it.

Follow this tips to save over \$2000 a year
while reducing your emissions to the
atmosphere that are warming the planet.



Changes

Scientific consensus says that human activity, mainly carbon dioxide emissions, is causing global warming.

Every time we use electricity or gasoline, even water, we are sending CO₂ emissions to the atmosphere.



Global Warming



- Is not a theory
- It's happening now
- Some of its consequences are irreversible!

Patagonia (Argentina)

Longest Glacier in S.A.



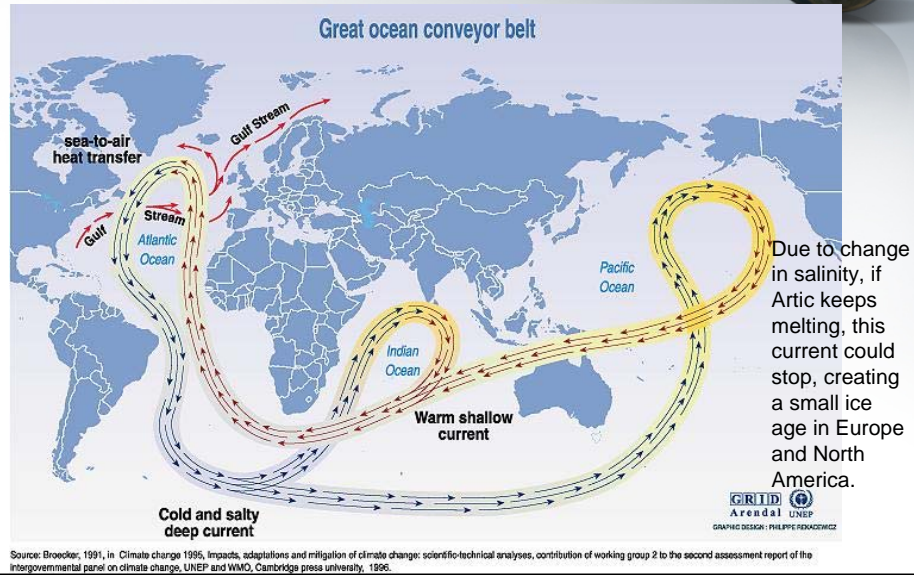
1928



2004

Worst case scenario: abrupt change

IPCC (Intergovernmental Panel on Climate Change)



Do you have phantoms at home?



- Phantom Loads- electrical leakage from appliances that are OFF.
- Yes, even when OFF, electrical appliances are using up electricity!
- <http://www.wordspy.com/words/phantomload.asp>

Top 16 Things – Save \$ with NO initial cost



1. Turn off (or even better, unplug) appliances
 - (consider a power strip), cord instead of cordless phones



2. Turn off water faucet,
 - shower not baths, flow
 - change shower head



3. Clean air-conditioning filters
(it save electricity, and it's good for your health)



3. Tune-up car, keep balanced, Accelerate minimum only.

*This can increase the MPG by 10Miles/gallon



Green means it's also good for your HEALTH.



5. Turn down Water heater, and air conditioner settings

- Use sheets instead of blankets

6. Turn off PC, printers, when not using:

- Use Laptop instead of PC

7. Use cold water for washing cloths!

- Hang clothes if possible

8. Use dishwasher only when full

- Wash by hand if possible



9. Eating habits:

- Eat less meat (less methane);
- Eat local products



10. Plant trees

- They also lower house T in summer,
- They reduce CO₂

11. Car pooling, walking or biking

12. Avoid sanitary dishes/napkins

- Both styrofoam or paper



13. Buy products with least packaging

- Large family packs
- Gift bags instead of wrapping
- Water bottles! ☹ - use refillable bottle



Packaging and clean water production needs a lot of energy and releases tons of CO2 in the atmosphere annually.



14. Be a wise consumer

- Buy less
- Give away things you not longer use.



15. Recycle! –it saves a lot of energy/emissions

- (plastic, paper, cardboard, cans, glass)

16. Email your senators, government officials:

- Sign petition at www.undoit.org
- Sign petition at climatecrisis.org



Top 10 Things – Save \$ with some initial cost



You will recover the initial costs quickly and at the same time, reduce emissions greatly.

- Consider solar water heater
- Replace light bulbs with coiled fluoresc



A Bright Idea

ENERGY STAR® qualified compact fluorescent lamps, or CFLs can save a homeowner \$25-\$50 over its lifetime.

CFLs vs. ordinary bulbs
CFLs use 75% less energy

Light Bulb	Energy Use	Lifetime
CFL	Low	10x longer
Light Bulb	High	Short

To enjoy these savings, look for the ENERGY STAR® label.
For more information, visit www.myenergystar.com

Source: U.S. Environmental Protection Agency

THE COST BENEFITS OF ENERGY STAR PRODUCTS

2 FEBRUARY 2006

Top 10 (cont...)

3. Consider new appliances with Energy Star*

MYTH: Not all new appliances are energy efficient!! Check the labels carefully.

Is one of America's coolest crooks robbing you blind?

This black arrow should be closest to the left as possible.

Top 10 (cont...)

Transportation accounts for 67% of oil used!



5. Consider buying a small car or a Hybrid,
6. Use public transportation
7. Eat organic products (better health, less Br)
8. Consider wind or solar power
9. Use silicone or dark baking pans
10. Use reusable plastic or cloth coffee filter

Green means it's also good for your HEALTH.

In summary...

Save Money,
improve **your Health,**
Save the Planet!



In doing so, we are indirectly helping the extreme poor...
...is our moral responsibility.



Take action!

Stop
Global
Warming

We are ONE human race;
we only have ONE planet.



Let's use its resources efficiently
so that we can all benefit from it.

With your help...
...we can save the World!

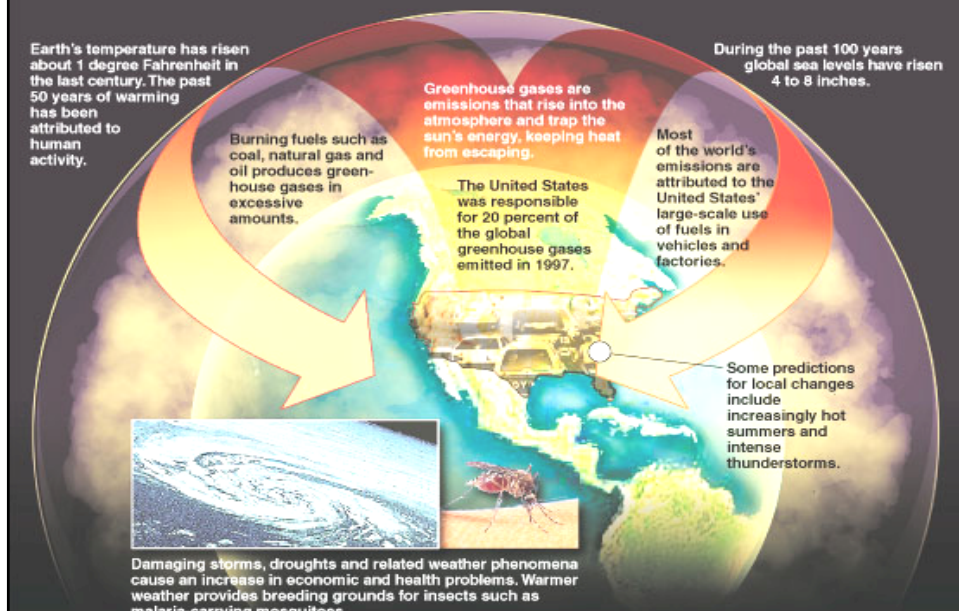


References:

- The End of Poverty by Jeffrey Sachs
- Weather Makers by Tim Flannery
- An Inconvenient Truth by Al Gore
- The World is Flat by Thomas Friedman
- Global Warming by Chris Spence
- Pathologies of Power, Paul Farmer
- www.nasa.gov
- www.ncdc.noaa.gov/oa/climate/globalwarming
- www.povertymap.net
- www.unmillenniumproject.org
- www.st-edmunds.cam.ac.uk
- www.noaa.gov
- www.borgenproject.org
- www.unicef.org
- www.energyhog.org **GREAT for KIDS!! (games)**



Global warming: Causes and effects



Costa Rica



First official lost species due to Global warming:
the **golden toad**

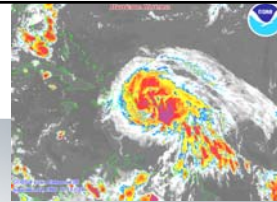


Female



Male

Hurricanes



- 10 hottest years ever, occurred in the last 14 yrs.
 - 2004 1st hurricane ever in the S. Atlantic Ocean
 - 2005 highest # of hurricanes,
 - most intense, 6 Greek letters
 - 2005 Wilma strongest hurricane ever recorded AO
- Then...
- 2006 Monica strongest hurricane ever recorded
 - Luckily, this year (2006), El Niño decreases # hurricanes

ONE Example is this napkin:

Small changes, make a big difference:

By using this napkin, the World Bank Group Food Services is proudly saving valuable natural resources annually.

- *268 Trees
- *110,000 Gallons of Water
- *47 Cubic Yards of Landfill Space
- *65,000 Kilowatt Hours of Electricity
- *945 Pounds of Greenhouse Gas Emissions



100% Recycled Paper • 100% Soy based ink • 100% Bleach-Free Process