



# global WARMING



## What is the SCAQMD?

The South Coast Air Quality Management District (SCAQMD) is the regional air pollution control agency for the greater South Coast air basin in Southern California, responsible for 160 cities, 10,000 square miles, 9.5 million vehicles, and 17 million residents.



## What is global warming?

Global warming is caused by high levels of greenhouse gases (GHGs), like CO<sub>2</sub> or methane, in the atmosphere acting as a blanket to prevent the sun's heat from leaving Earth. The past decade (2000-2009) was the hottest one in human history.

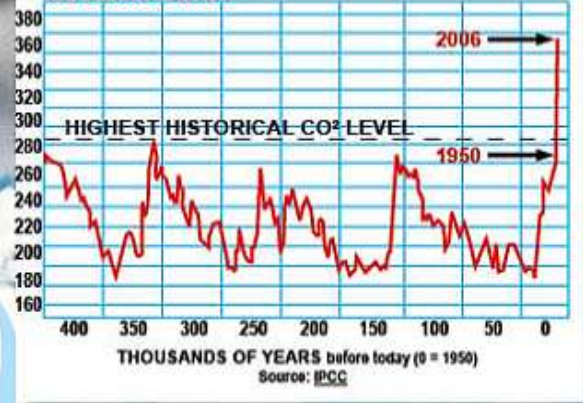
GHGs are produced from activities like driving cars and burning fuel for electricity or heat.



The average world temperature could rise 2-10 F in the next 100 years.



## HISTORICAL DATA



In the past 150 years, an additional 2,000 trillion pounds of CO<sub>2</sub> has been added into our atmosphere.



On average, the US uses 16 billion paper cups per year creating 253 million pounds of trash.



When turned off, a computer or television still uses 50% of the electricity it would if it were turned on. Unplug it to save money.

Wow! Keep it clean!!

## What is the AQMD doing?

The South Coast AQMD is working to improve air quality and lower greenhouse gas emissions in Southern California by promoting cleaner cars and fuels, funding technology advancement projects, and planting trees. At our facility, we are installing renewable energy technology and improving energy efficiency.



Switching to one compact fluorescent light can save \$35 per year.

In the US, we burn 280 million gallons of gasoline per day.





# 10 Things

## YOU CAN DO TO Reduce Your GHGs and Air Pollution



1. **Share a ride.** Vanpool, carpool, take mass transit, ride a bike, walk, or otherwise get to work or school in an environmentally friendly (and often less expensive) way.



2. **Be conscientious about your energy use.** Turn off your computer, television, and lights when not in use. Unplug phone chargers or other electronics when not needed, as anything with a light on is using energy.



3. **Recycle.** Throw away as little as possible and use fewer disposable products.

4. **Reduce the amount of paper you use.** Print out only what you really need, and print on both sides of the page. Use email or phone when appropriate.

5. **Save water.** Consider drought-tolerant landscaping, adjust sprinkler, take shorter showers, try not to waste water.

6. **Use stairs.** If you are able, instead of the elevator (don't forget to use the handrails).

7. **Use fewer disposable items.** Bring your own glass, coffee cup, and/or dishes to work or school. Use reusable grocery bags instead of plastic or paper bags.

8. **Think "green" when buying a car or appliance.** Look at fuel type and fuel economy before you buy a car, and check out energy ratings on appliances. You can save a lot of money and be a more responsible consumer.



9. **Purchase local goods when possible.** Transporting groceries and other items uses fossil fuels, which add to global warming.

10. **Learn about global warming and what you can do to reduce your impact.** Contribute to the solution, not just at work or at school, but at home, through your purchases, and by reducing your use of fuels, electricity, and water.



A 5 minute shower can use 20 gallons of water. Look for energy efficient showerheads to save water and money.



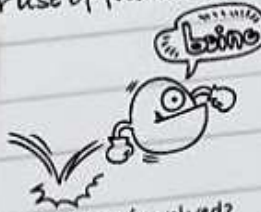
There are 100 billion new aluminum cans made each year. Recycling a can saves 95% of the energy it takes to make a new one.



A plastic bottle in a landfill takes 700 years to biodegrade. Please recycle



Want to get involved? Join the Clean Air Congress. Check out the webpage at [CleanAirCongress.org](http://CleanAirCongress.org).



Here are some online tools:  
Calculate your CO2 output:  
[coolcalifornia.org/calculator](http://coolcalifornia.org/calculator)  
Find out more about global warming:  
[climate.nasa.gov](http://climate.nasa.gov)



Download the AQMD's iPhone app at the iPhone store for free!

