



Pintail duck photo by Peter LaTourette

# Climate Change, Wildlife, and Wildlands

## Global Warming Wheel Card

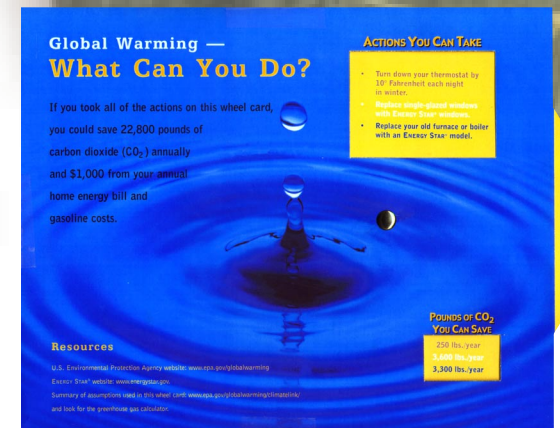
- Cut out the two large circles and the two large rectangular pieces.
- Cut out the two little rectangular windows on each of the large rectangular pieces.
- Put glue on the backs of both circles and put them together to make the “wheel” of the wheel card, making sure that you align them so that the four labels that run along the outside of each circle (Waste Disposal, Home Heating, Electricity Use, and Transportation) line up with the corresponding labels on the other side. The Waste Disposal label on one side should line up with the Waste Disposal label on the other side, and so on.
- Lay the rectangular piece entitled “What Can You Do?” upside-down on the table with the larger of the two cutouts closer to you. If you lift up the edge of the rectangular piece and see the words “Global-Warming—What Can You Do?” right side up, you’ve done it correctly.
- Put the glued-together wheel on top of the rectangular piece, with the side that has all the questions (such as

“On average, how much does your household spend on electricity each month?”) facing up.

- Lay the other rectangular piece entitled “What’s Your Score?” on top of the wheel, with the smaller of the two cutouts closer to you.
- Look for the “belly button” on the pasted-together wheel and the two large rectangular pieces. Push a paper fastener (“brad”) through the “belly button” to hold all the pieces together.
- Glue the large rectangular pieces in all four corners just enough to hold the rectangles together but allowing the wheel to turn freely.
- If you wish, highlight each line inside the windows in a different color to make it easier to read. If you have access to a color printer, this step will be unnecessary.
- If you are putting the wheel together to use in a demonstration, now you’re ready to calculate the greenhouse gas emissions “score” of members of your audience and what they can do to reduce it.



Side 1



Side 2



# Climate Change, Wildlife, and Wildlands

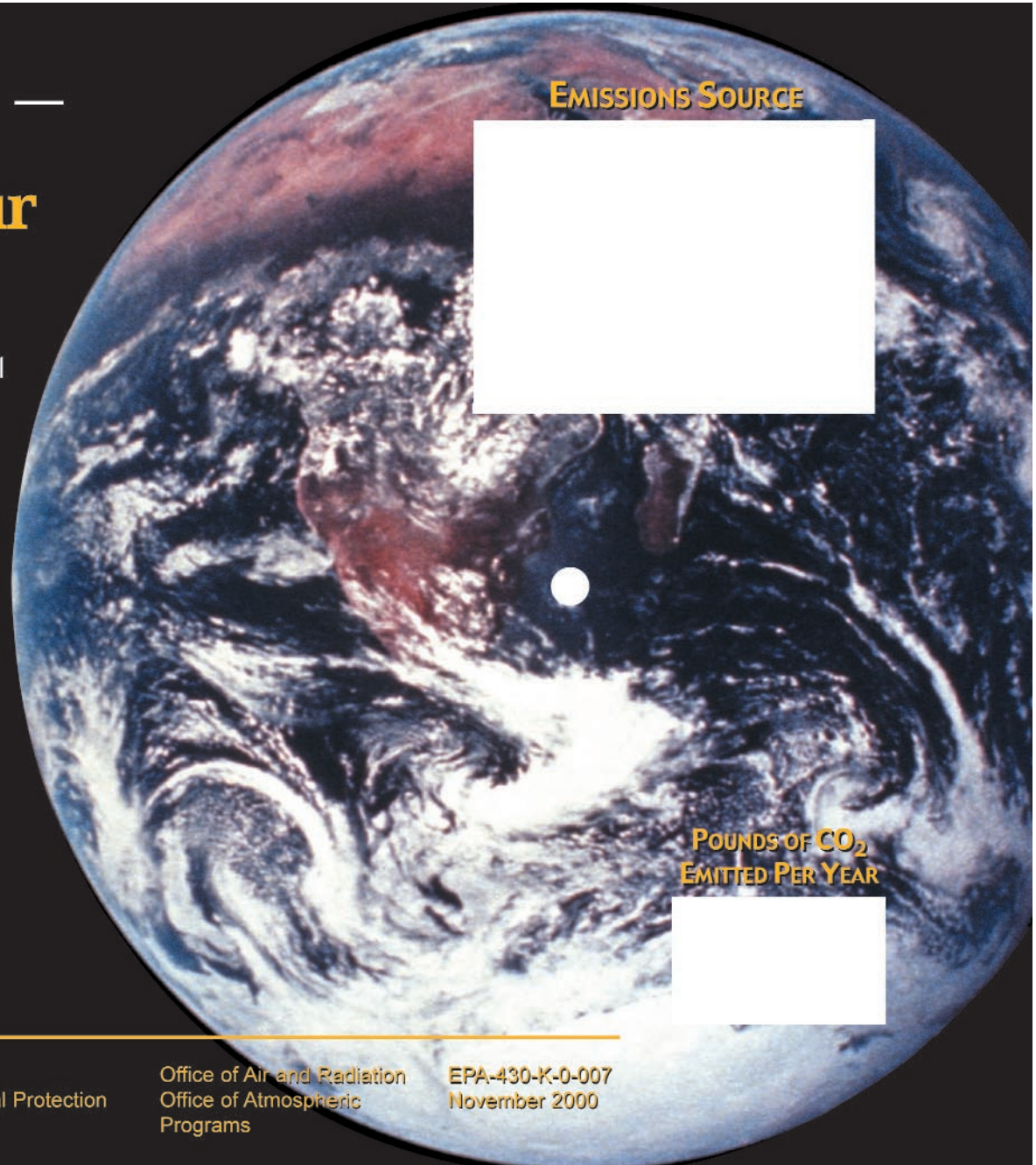
## Global Warming Wheel Card

Side 1  
[outside]

Global Warming —

## What's Your Score?

In the United States, a typical household of two people generates approximately 60,000 pounds of carbon dioxide (CO<sub>2</sub>) emissions every year from household activities and personal transportation.



United States  
Environmental Protection  
Agency

Office of Air and Radiation  
Office of Atmospheric  
Programs

EPA-430-K-0-007  
November 2000

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## Global Warming Wheel Card

Side 1  
[inside]

**Home Heating**

On average, how many miles does your household put on your car(s) per week? Pick closest amount.

- 200 miles (10,400 miles/year)
- 400 miles (20,800 miles/year)
- 600 miles (31,200 miles/year)

9,800 lbs./year  
19,700 lbs./year  
29,500 lbs./year

**Transportation**

Which of the following scenarios best describes your household's waste disposal practices?

- We don't recycle at all.
- We recycle about half of all recyclable materials (paper, plastics, glass).
- We recycle everything we can.

6,000 lbs./year  
12,000 lbs./year  
24,000 lbs./year

**Waste Disposal**

On average, how much does your household spend on electricity each month? Pick closest amount.

- \$40
- \$80
- \$120

11,800 lbs./year  
23,600 lbs./year  
35,400 lbs./year

**Electricity Use**

On average, how much does your household spend on natural gas or fuel oil each month? Pick closest amount.

- \$25
- 05\$
- 00T\$

1,500 lbs./year  
3,900 lbs./year  
6,300 lbs./year

**Global Warming — What's Your Score?**

• \$40  
• \$80  
• \$120

# Climate Change, Wildlife, and Wildlands

## Global Warming Wheel Card

Side 2  
[outside]

## Global Warming — What Can You Do?

If you took all of the actions on this wheel card, you could save 22,800 pounds of carbon dioxide (CO<sub>2</sub>) annually and \$1,000 from your annual home energy bill and gasoline costs.

### ACTIONS YOU CAN TAKE



### Resources

U.S. Environmental Protection Agency website: [www.epa.gov/globalwarming](http://www.epa.gov/globalwarming)

ENERGY STAR® website: [www.energystar.gov](http://www.energystar.gov).

Summary of assumptions used in this wheel card: [www.epa.gov/globalwarming/climatelink/](http://www.epa.gov/globalwarming/climatelink/) and look for the greenhouse gas calculator.

### POUNDS OF CO<sub>2</sub> YOU CAN SAVE



# Climate Change, Wildlife, and Wildlands

## Global Warming Wheel Card

Side 2  
[inside]

