

Our School's Greenhouse Gas Emissions Calculator

Doing Our Share to Reverse Global Warming

New Jersey's goal is to reduce greenhouse gas emissions by 20% by 2020, an average of only 1.5% per year, and 80% by 2050.*

Name of School _____

For the year _____

1. Electricity

Total kilowatt hours used _____ x 1.268 lbs. CO₂/KWH = _____ lbs. CO₂

2. Heating

Therms of natural gas used _____ x 11.7 lbs. CO₂/therm = _____ lbs. CO₂

Gals. of #2 heating oil used _____ x 22.38 lbs. CO₂/gal. = _____ lbs. CO₂

Gals. of #6 heating oil used _____ x 26.0 lbs. CO₂/gal. = _____ lbs. CO₂

3. Transportation

Gals. of gasoline used _____ x 19.64 lbs. CO₂/gal. = _____ lbs. CO₂

Gals. of diesel fuel used _____ x 22.38 lbs. CO₂/gal. = _____ lbs. CO₂

Therms of natural gas used _____ x 11.7 lbs. CO₂/therm = _____ lbs. CO₂

4. Total lbs. of CO₂ released into the atmosphere = _____ lbs. CO₂

5. 20% reduction of #4 = target goal by 2020 = _____ lbs. CO₂

6. Our annual *minimum* reduction goals:

a. Electricity: Total KWHs X 1.5% = _____

b. Heating: Total therms or gals. X 1.5% = _____

c. Transportation: Total gals. or therms X 1.5% = _____

Greenhouse gases are often reported in the unit of metric tons. To convert your pounds of CO₂ into metric tons, divide the pounds by 2,204.62.

In the 2005-06 school year, our **Green Schools Program** helped Brick Township Schools and Toms River Regional Schools reduce their CO₂ emissions by over 1,500 metric tons.

*Executive Order 54, 2/13/07 Global Learning, Inc., 400 Union Ave., Brielle, NJ 08730 (732) 528-0016