

**STATE ENVIRONMENTAL HEALTH INDICATORS COLLABORATIVE (SEHIC)
AIR QUALITY INDICATORS**

Indicator: A5: Greenhouse Gas Emissions

Measure(s): A5.1: CO₂-Equivalent Greenhouse Gas Emissions Per Capita, by Sector

MEASURE DESCRIPTION

A5.1: CO₂-Equivalent Greenhouse Gas Emissions Per Capita	
Last updated:	September 30, 2008
Measurement units:	Million metric tons per capita
Geographic scale:	State, by sector (transportation, farming, etc.)
Time scale:	Annual, 2000 through most recent year
Significance/background:	Global Greenhouse Gas (GHG) emissions, including carbon dioxide (CO ₂), methane, and nitrous oxide contribute to global warming and are projected to have profound effects on the world's ecosystem and public health, if allowed to continue unchecked.
Rationale:	Much of global warming is due to human activities which release carbon dioxide and other gases. Trends in these emissions are necessary to track to monitor progress in reducing global warming.
Limitations:	Need to estimate CO ₂ emissions from electrical sources imported into States
Data resources:	http://www.epa.gov/climatechange/emissions/downloads/CO2FFC_2002.pdf (emissions by state)
Data limitations:	Emissions are estimates and are subject to error
Related SEHIC measures:	Asthma and other respiratory diseases; heart disease

Notes:

Indicator already reported by U.S. EPA

STATE ENVIRONMENTAL HEALTH INDICATORS COLLABORATIVE (SEHC) AIR QUALITY INDICATORS

Indicator: A5: Climate Change

Measure(s): A5.1: CO₂-Equivalent Greenhouse Gas Emissions Per Capita, by Sector

HOW-TO GUIDE: A5.1

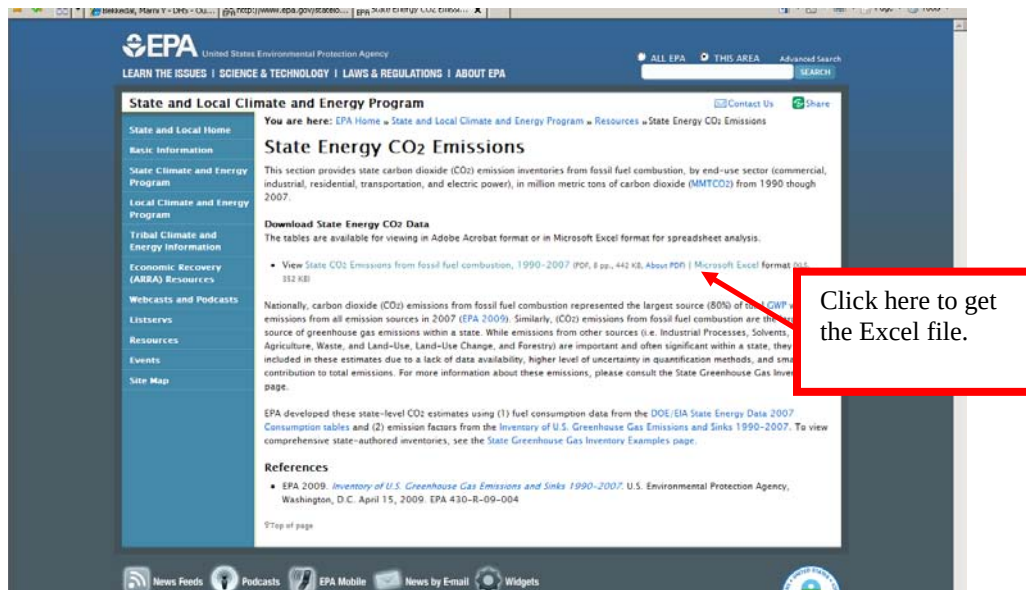
Obtain Data from the EPA Website:

1. Go to the EPA climate change web site document and download excel file:

To access the excel file, follow this link:

http://www.epa.gov/statelocalclimate/resources/state_energyco2inv.html

Which will take you to the following webpage:



Click here to get
the Excel file.

2. Locate your **State** and **CO₂-equivalent emissions by sector** in the table.

Create a SEHC report in Excel:

3. In a new Excel file, label columns A with state; column B with sector; and each column after column B with year of interest
4. Record CO₂ emissions for each sector and the total by year, 2000-2008. To do this, copy the values from the EPA table then utilize "Paste Special" "values" to paste the values into the new Excel file.
5. Copy and paste the data into the SEHC Climate Change Indicator Template file.