

# **Seminar: Massachusetts Greenhouse Gas Reporting Rule**

**Dr. John Bewick**  
**Director Verification and Validation Services**

Enviroplan Consulting  
July 23, 2009

# Agenda

## 1. Overview of Massachusetts DEP GHG Reporting Regulation

**Mr. James Colman, Assistant Commissioner  
Department of Environmental Protection**

## 2. Status Report: Pending Federal Greenhouse Gas Requirements

**Dr. Howard Ellis, President, Enviroplan Consulting**

## 3. General Reporting Protocol: Scopes and Boundaries

**Dr. John Bewick**

# Agenda

- 4. Calculating and Documenting GHG Emissions**  
**Stephen Greene, Lead Verifier, Enviroplan Consulting**
  
- 5. Software Tools for Managing GHG Emissions Inventories**  
**Pam Bobbitt , Perillon Software**
  
- 6. Corporate Planning Model for Emissions Reporting:**  
**the National Grid Experience**  
**Joseph Kwasnik, Director Climate Change, National Grid**
  
- 7. Q/A**

# Context of MA GHG Reporting Rule:

International: Copenhagen Summit – Dec 2009

Federal: EPA proposed GHG reporting rule  
Waxman Markey Climate Change Bill

# Context of MA GHG Reporting Rule:

States: 16 states with reporting rules

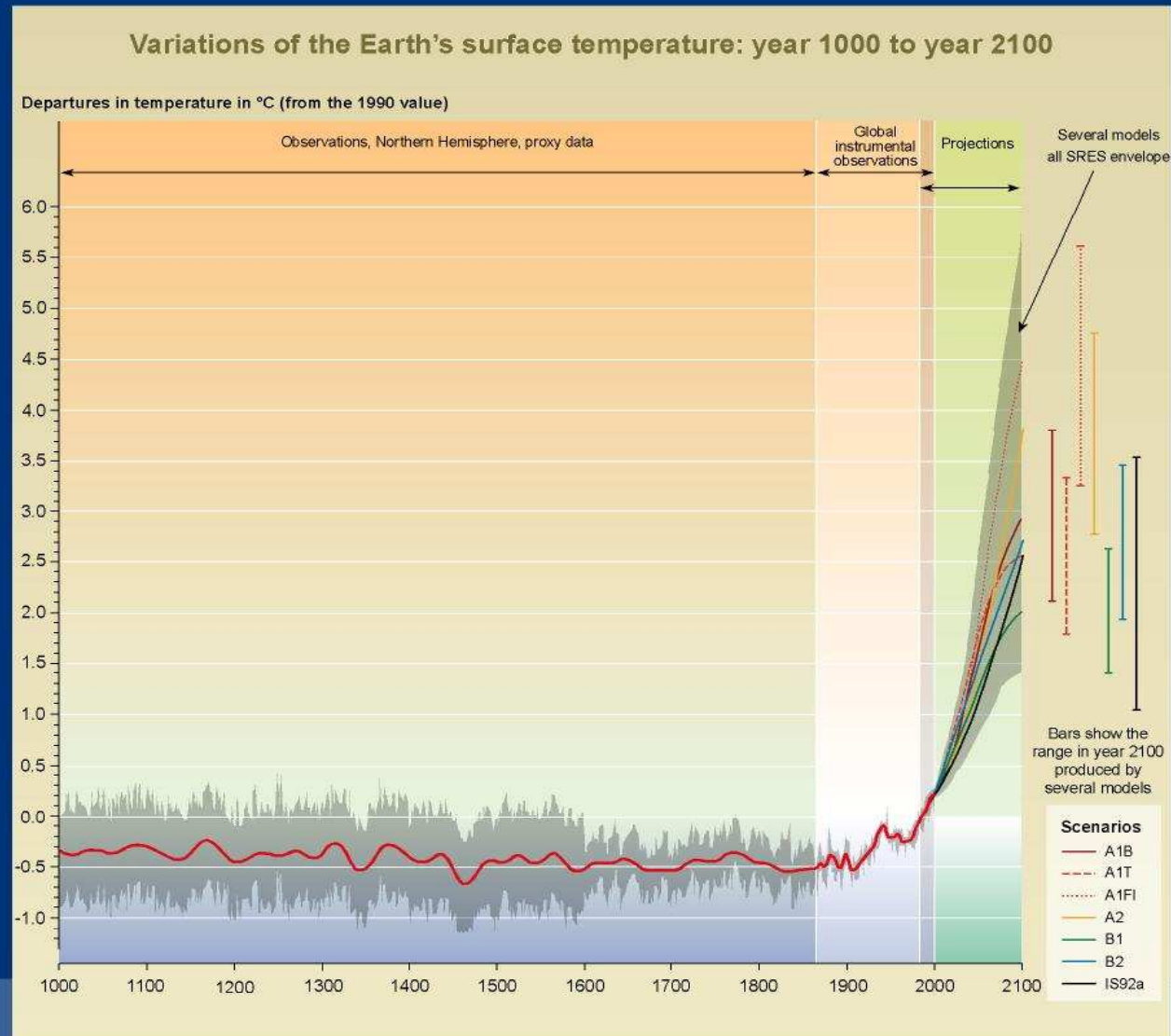
California, Connecticut, Colorado, Delaware, Iowa, Massachusetts, Maryland, Maine, North Carolina, New Jersey, New Mexico, Oregon, Virginia, Washington, Wisconsin, West Virginia

# Background

The Climate Change Issue:

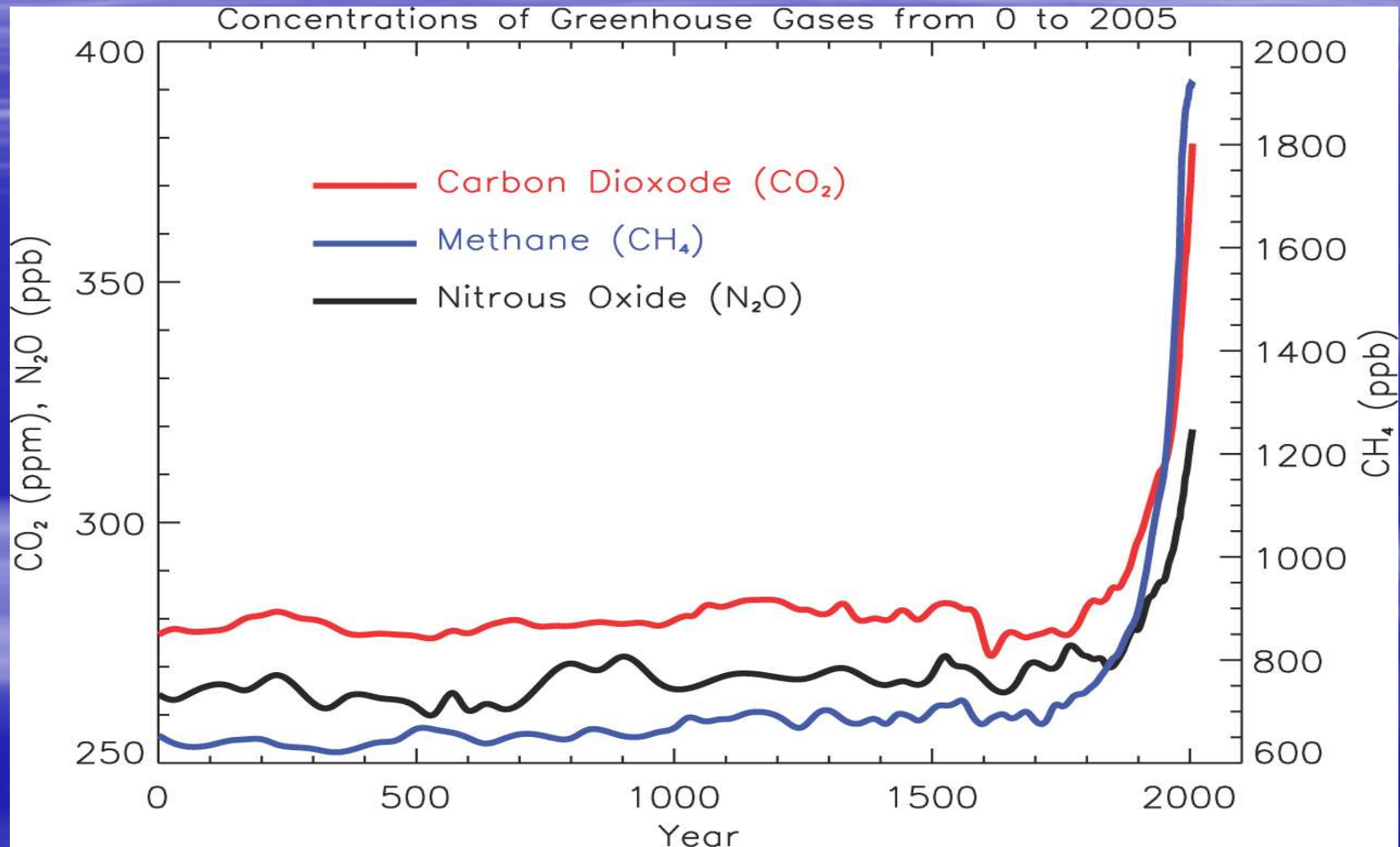
What is the problem?

# Variation of the Earth's Surface Temperature: 1800-2100



SYR - FIGURE 9-1b

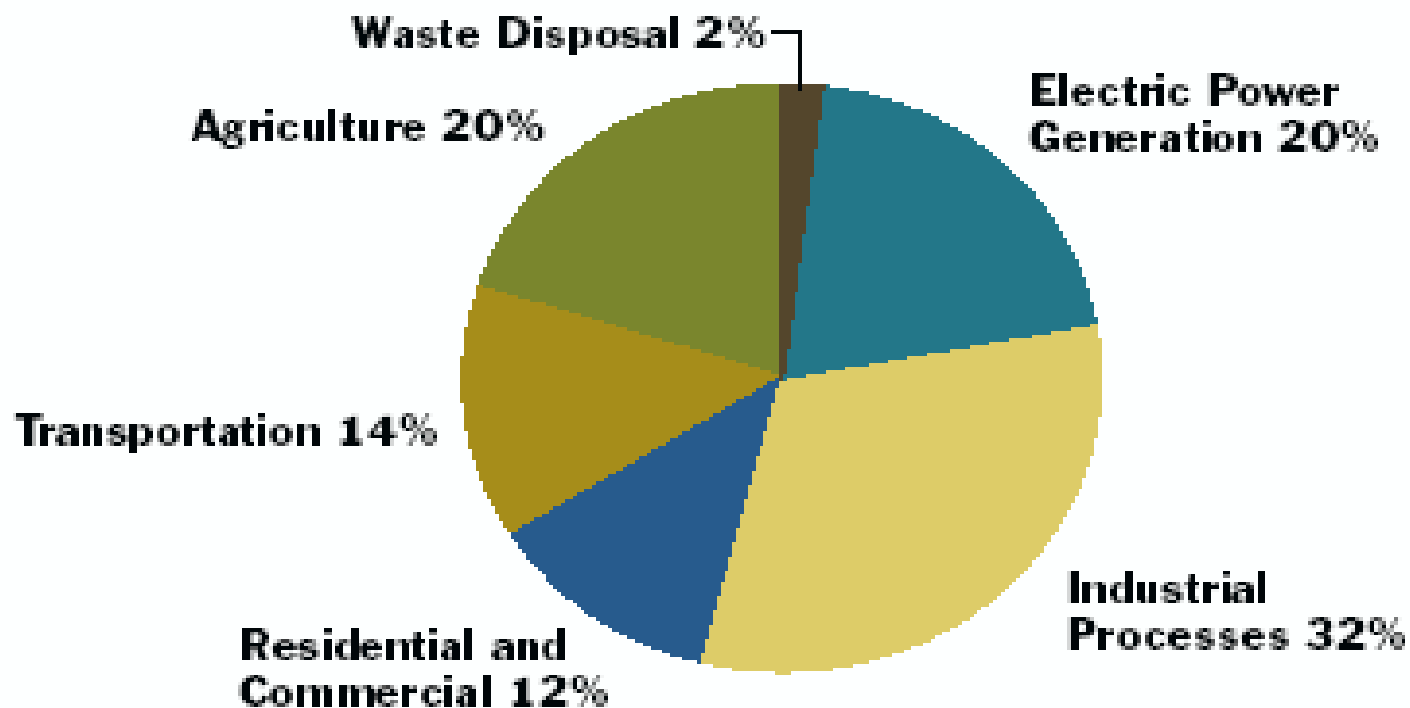
# Concentrations of GHGs from Year 0 to 2005



# Background

## Sources of **Anthropogenic GHG Emissions**

Worldwide, 1990, in CO<sub>2</sub>E



# The MA DEP GHG Reporting Rule

James Colman

Assistant Commissioner, DEP

Member TCR Board of Directors