



What is Greenhouse Gas?

Greenhouse gases are gases in an atmosphere that absorb and emit radiation within the thermal infrared range. This process is the fundamental cause of the greenhouse effect. The main greenhouse gases in the Earth's atmosphere are water vapor, carbon dioxide, methane, nitrous oxide, and ozone. In our solar system, the atmospheres of Venus, Mars and Titan also contain gases that cause greenhouse effects. Greenhouse gases greatly affect the temperature of the Earth; without them, Earth's surface would be on average about 33 °C (59 °F) colder than at present.

Ways to reduce Greenhouse gas emission

Burning fossil fuels such as natural gas, coal, oil and gasoline raise the level of carbon dioxide in the atmosphere, and carbon dioxide is a major contributor to the greenhouse effect and global warming. You can help to reduce the demand for fossil fuels, which in turn reduces global warming, by using energy more wisely.

NIMR is committed to reducing greenhouse gas emissions in various ways that include:

Reduce, Reuse, Recycle

- Buy products with minimal packaging
- Reduce usage of paper and print supplies
- Recycle and re-use water
- Recycle wastes wherever practical

Reduce Emission

- Implement proper maintenance for engines
- Purchase equipment with an eco-friendly engine
- Connect to area electric grid, avoid generators
- Use proper lubricants.

Use the "Off" Switch

- Turn off lights whenever possible
- Use natural lights as much as possible
- Turn off electrical appliances when not in use
- Turn off the vehicle engine in idle

Energy conservation

- Replace regular light bulbs with LED bulbs
- Use natural lights whenever possible
- Encourage use of solar panels
- Reduce use of electricity

Plant Trees

- Maintain existing plants at NIMR facilities
- Plant more trees at NIMR facilities

Drive Less and Drive Smart

- Encourage carpooling
- Retire old and under-used vehicles
- Purchase fuel-efficient vehicles wherever practical
- Trip Reduction / Transportation Demand Management

CFC/HCFC Phase-Out

- Not to purchase or put CFC's in the existing system and not to purchase products with CFC/HCFC
- Prohibit the use of CFC/HCFC

Use Less Air Conditioning

- Improve the insulation of walls
- Use thermostats to control the temperature

Buy Energy-Efficient Products

- Buy energy-efficient products wherever practical (Energy Star products)

Purchasing program

- Implement an environmentally preferable purchasing program