

4. Greenhouse Gases

Overview

This section discusses greenhouse gases (GHGs) and their effects on Earth's climate. This section also outlines federal and state government initiatives aimed at reducing GHG emissions, as well as local efforts such as the Ventura County Regional Energy Alliance's community based GHG inventories. This section concludes with guidance on assessing the environmental impact of GHG emissions in accordance with the California Environmental Quality Act (CEQA).

This topic section is updated from **Section 24, Greenhouse Gases** in the existing ISAGs.

Impact Analysis

This section was updated to include guidelines for analyzing environmental impacts resulting from a project's greenhouse gas emissions using exceedance levels recommended by the South Coast Air Quality Management District pursuant to Section 15064.7(c) of CEQA. This regulation states that a lead agency may consider thresholds of significance adopted or recommended by other public agencies or recommended by experts, as long as the use of such thresholds is supported by substantial evidence.

Related Technical Terms

The following technical terms related to this topic section have been updated or incorporated:

- Greenhouse gases (GHGs)
- Metric tons of carbon dioxide equivalent (MTCO_{2e})