

GHG 1990–2004 Inventory & Documentation

IN THIS SECTION

This page includes information for the original version California's GHG inventory published by CARB in November 2007. The 1990-2004 GHG inventory provided the 1990 emission level which became the 2020 GHG limit pursuant to the California Global Warming Solutions Act (AB 32). Since the first inventory edition, CARB has annually updated the GHG inventory with current year data and improved methodology. The current year inventory page has the most recent inventory data.

The original 1990-2004 inventory was based on the global warming potential (GWP) values in the Intergovernmental Panel on Climate Change (IPCC) Second Assessment Report (SAR). IPCC periodically updates GWP values with improved scientific understanding of the intensity of infrared absorption by each GHG and how long the GHG remain in the atmosphere. For each annual update of the inventory since 2014, CARB has been using the GWP values from the IPCC Fourth Assessment Report (AR4) consistent with current international and national GHG inventory practices. The original 1990-2014 inventory has been converted from SAR to AR4 GWPs (but has not been recalculated based on the updated methodology and data sources employed by more recent inventory editions). This webpage presents the inventory based on AR4 GWPs and continues to make available the original inventory in SAR GWPs for archival purposes.

The GHG emissions and sinks are categorized in two ways:

1. Process-oriented categories; follows the IPCC categorization to ensure consistency and comparability with international inventories.
2. Economic sectors; enables comparison with other ARB emission inventories, which are similarly categorized.

1990–2004 Inventory Data

Query the 1990 inventory (AR4 GWPs)

Query the 1990 inventory by economic sector and/or by activity. This interactive query tool allows you to select a subset of the inventory in a table, view it or download it to your computer, find out how each of the emissions values was estimated, and plot the data. The query outputs are shown in AR4 GWPs.

Query Tool Sector Help.

1990–2004 inventory (AR4 GWPs)

1990–2004 Inventory by IPCC Category - Full Detail (AR4)

1990–2004 Inventory by IPCC Category - Full Detail (AR4)

1990–2004 Inventory by Economic Sector - Full Detail (AR4)

1990–2004 Inventory by Economic Sector - Full Detail (AR4)

Land Use, Land Use Change, and Forestry - Net CO₂ Flux

Summary of the 1990–2004 Inventory (AR4 GWPs)

1990–2004 Inventory by IPCC Category - Summary (AR4)

1990–2004 Inventory by Economic Sector - Summary (AR4)

1990–2004 inventory (SAR GWPs)

1990–2004 Inventory by IPCC Category - Full Detail

1990–2004 Inventory by IPCC Category - Full Detail

1990–2004 Inventory by Economic Sector - Full Detail

1990–2004 Inventory by Economic Sector - Full Detail

Land Use, Land Use Change, and Forestry - Net CO₂ Flux

Summary of the 1990–2004 Inventory (SAR GWPs)

1990–2004 Inventory by IPCC Category - Summary

1990–2004 Inventory by Economic Sector - Summary

1990–2004 Technical Support Document

Detailed Documentation Index (SAR GWPs)

Interactive Documentation Index by IPCC Category

(800) 242-4450 | helpline@arb.ca.gov
1001 I Street, Sacramento, CA 95814
P.O. Box 2815, Sacramento, CA 95812



California
Governor

Gavin Newsom

Secretary for
Environmental
Protection

Jared Blumenfeld

Chair, California
Air Resources
Board

Mary D. Nichols

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