
GHG Rules set a statewide greenhouse gas emissions limit to equal or below 1990 levels by 2020 \( (\text{CO}_2\text{e} \text{ emission limit excludes aviation and international bunker fuel emissions and includes carbon sinks}) \).

To help meet goal - GHG emission cap is specified for large stationary sources as backstop to State Energy Office – Renewable Portfolio Standards (RPS) and Energy Efficiency Portfolio Standards (EEPS).

Potential \( \text{CO}_2\text{e} \) threshold of 100,000 tons per year.

* 13.2% + Factor of Safety = 16% Reduction
Stationary Sources

0.24 MMTCO₂e

6.7 MMTCO₂e

0.02 MMTCO₂e

0.60 MMTCO₂e

0.54 MMTCO₂e

State Greenhouse Gas (GHG) Rule Affected Facilities

2015 GHG Emissions

Station | Greenhouse Gas Facilities
--- | ---
1 | Port Allen Generating Station
2 | Kapaia Power Station
3 | Kahe Generating Station
4 | IES Downsteam Refinery
5 | Campbell Industrial Park Generating Station
6 | AES Hawaii
7 | Kalaaeloa Generating Plant
8 | Par Hawaii Refinery
9 | Waiau Generating Station
10 | Honolulu Generating Station
11 | Palaau Generating Station
12 | Maalaea Generating Station
13 | Kahului Generating Station
14 | HC&S Puumene Sugar Mill
15 | Keahole Generating Station
16 | Hamakua Energy Project
17 | Hu Honua Bioenergy Plant
18 | Shipman Generating Station
19 | Kanoelehua-Hill Generating Station
20 | Puna Generating Station
HAR 11-60.1-204(k)

- DOH must conduct annual evaluations to determine progress in achieving the statewide GHG emissions limit.
- Contracted ICF to provide three annual reports.
- First 2015 annual report was recently released and is posted on the Clean Air Branch website.

http://health.hawaii.gov/cab/
21.28 MMT Statewide CO₂e Emissions, Excluding Emissions from Sinks & International Bunker Fuel
Statewide GHG emission trends.
2015 Annual Report

- Statewide GHG emission projections.
Thank You

- Mike Madsen
- Clean Air Branch
- 586-4200
- 2827 Waimano Home Road, #130
- michael.madsen@doh.Hawaii.gov