GHG Rules & Statewide GHG Emission Inventories

April 24, 2019

Hawai‘i Climate Change Mitigation and Adaptation Commission (Climate Commission) Meeting

- GHG Rules set a statewide greenhouse gas emissions limit to equal or below 1990 levels by 2020 (CO$_2$e 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 CO$_2$e threshold of 100,000 tons per year.
Stationary Sources

State Greenhouse Gas (GHG) Rule Affected Facilities
2015 GHG Emissions

Station | Greenhouse Gas Facilities
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1 | Port Allen Generating Station
2 | Kapaia Power Station
3 | Kahe Generating Station
4 | IES Downstream Refinery
5 | Campbell Industrial Park Generating Station
6 | AES Hawaii
7 | Kalaeloa Generating Station
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 Puunene Sugar Mill
15 | Keahole Generating Station
16 | Hamakua Energy Plant
17 | Hu Honua Bioenergy Plant
18 | Shipman Generating Station
19 | Kanoelehua-Hill Generating Station
20 | Puna Generating Station

Legend
- Facilities Subject to GHG Emissions Cap that Permanently Shut Down
- Facilities Subject to GHG Emissions Cap
- Roads

Map showing locations of affected facilities on various islands in Hawaii.
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/
2015 Annual Report

- Distribution of 2015 statewide GHG emissions.

21.28 MMT Statewide CO\textsubscript{2}e Emissions, Excluding Emissions from Sinks & International Bunker Fuel
Statewide GHG emission trends.
2015 Annual Report

- Statewide GHG emission projections.

![Graph showing GHG emission projections from 1990 to 2025.](image)
Thank You

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