



2019 GHG Inventory Report

Control Method
Operational Control

Reporting Period
Calendar Year 2019

Methodology
GHG Corporate Protocol Accounting & Reporting Standard, 3.5.1

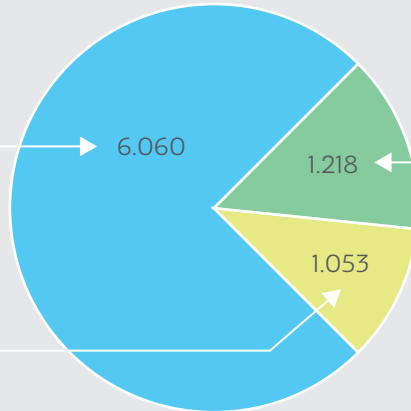
Rambus GHG Inventory Organizational & Operational Boundaries

Scope 1: Identified Sources of Emissions

One Owned Company Vehicle

- Assumed average gasoline price (EIA 2019 retail, California).
- Assumed gasoline consumed in 2019 equitable to gasoline purchased.

Fire Suppression Equipment (Bangalore Facility)



One Back-up Generator (North Carolina Facility)

- Assumed average cost diesel/gallon (EIA 2019 retail).
- Assumed diesel consumed equitable to diesel purchased.

Scope 1 Total:
8.330 Tonnes CO2e

Scope 2: Identified Sources of Emissions → None in 2019 (no controlled facilities)

Scope 3: Selected Reporting Categories

Purchased Goods & Services

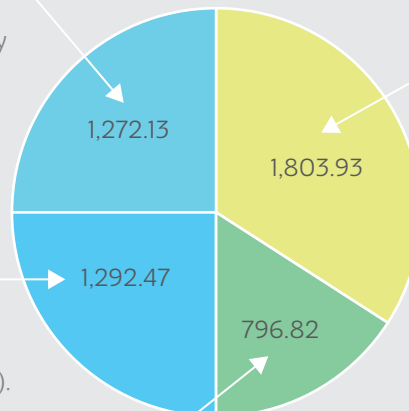
- Assumed CAMX eGRID region for electricity CO2e calculations given market presence.
- Assumed diesel fuel #2 in noted diesel consumption.
- Data gap to revisit in 2020: Other <10% of chip production spend.

Business Travel

- Assumed provided information = 75% of annual total (Q2-Q4 data available only). Estimated 2019 CO2e tonnes with (total/0.75).

Employee Commute

- Assumed 250 work days.



Upstream Leased Electricity

- Glasgow facility omitted from 2019 emissions (commencement date 11/1/19).
- Est. square footage for facility in Japan.
- Utilized kWh/sq ft intensity figures from CBECs 2012 data based on facility size to estimate kWh electricity usage for facilities in Japan, Korea, and China (1.90% of facility operations by sq. ft.).

Upstream Leased Natural Gas

- Potential data gap to revisit for 2020 in number of facilities where Rambus pays for natural gas heating. Only consumption for the Sunnyvale Facility was included.

Scope 3 Total: 5,165.35 Tonnes CO2e

Calculations Tools & Sources

- EPA Simplified GHG Emissions Calculator (SGEC), Version 6. August 2020.
- EPA Power Profiler ZIP Code Tool with eGRID2018 Data, Version 9.0. March 9, 2020.
- EIA US No 2 2019 Diesel Retail Prices, <https://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=pets&s=emd_epd2d_pte_nus_dpg&f=a>.

- Map My Emissions in reference to CARBON CALCULATOR's "Carbon Footprint Calculator For Individuals And Households", <<https://www.carbonfootprint.com/calculator.aspx>>
- CBECs Table 3. Total electricity consumption and intensities, 2012 <<https://www.eia.gov/consumption/commercial/reports/2012/energyusage/>>
- EIA Retail Gasoline and Diesel Prices, Area: California, Period: Annual, <https://www.eia.gov/dnav/pet/pet_pri_gnd_dcus_sca_a.htm>