

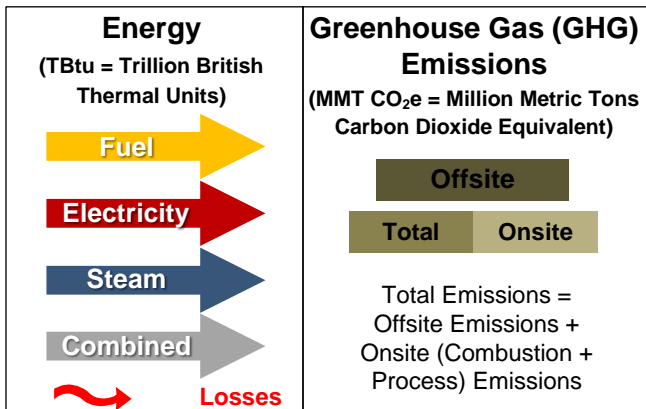
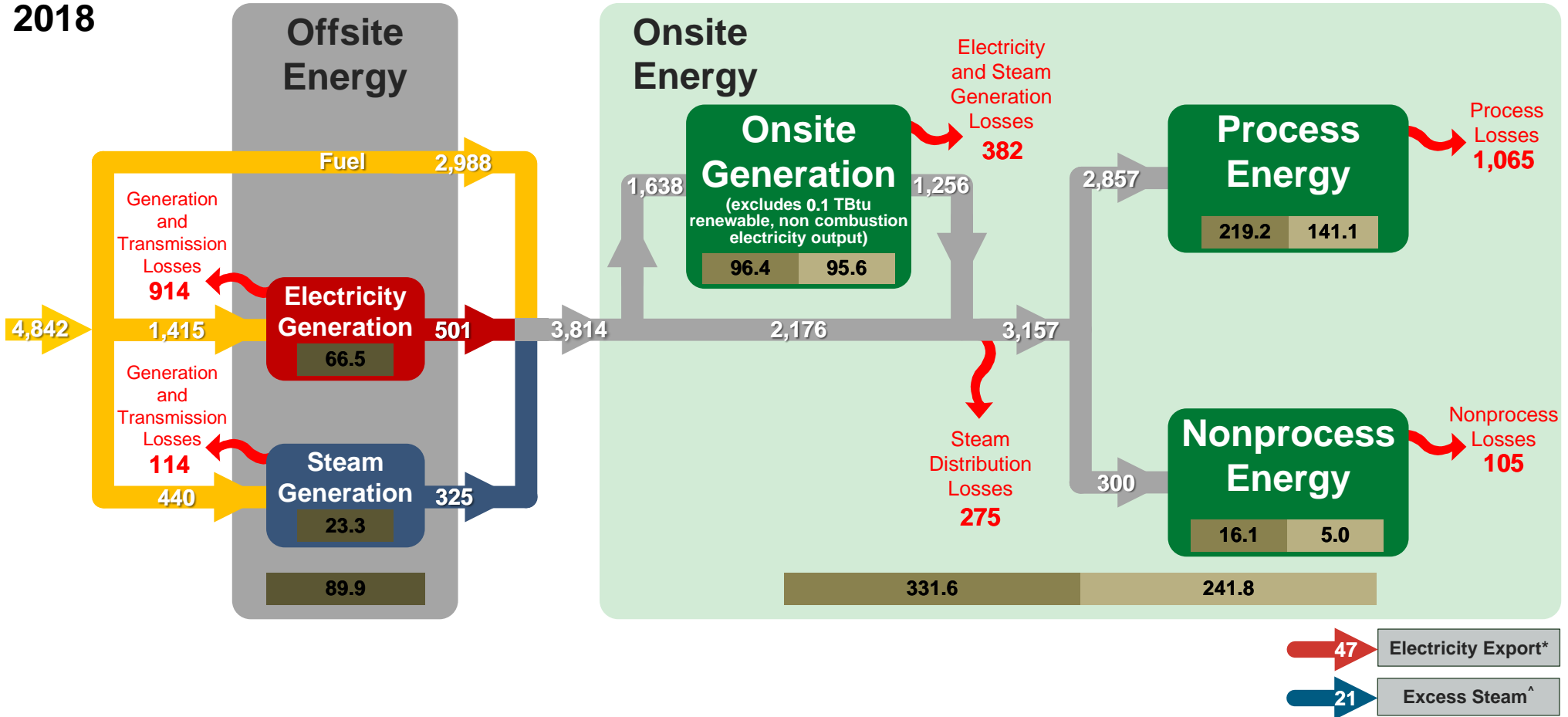
Manufacturing Energy and Carbon Footprint

Sector: Chemicals (NAICS 325)

Primary Energy Use: 4,842 TBtu

Total GHG Emissions: 332 MMT CO₂e

Primary Energy, 2018



Energy use data source: 2018 EIA MECS (with adjustments). For full information on references, definitions, assumptions, and other sectors, visit this [webpage](#)

Last Revised: December 2021

Notes: Sector-wide aggregate data for year 2018; energy values rounded to nearest whole number
 Offsite generation shown on net basis (purchases, sales, and transfers accounted for) and includes onsite non-combustion renewable output
 * Electricity export refers to sales and transfers offsite of electricity to utilities and other entities
 Feedstock energy excluded from primary, offsite, and onsite energy values and included in Energy for All Purposes
 ^ Excess steam refers to the sales and transfer offsite or purging of surplus steam

Energy for All Purposes estimated at 8,169 TBtu
 Includes primary energy plus net energy consumed for nonfuel purposes, including feedstock use

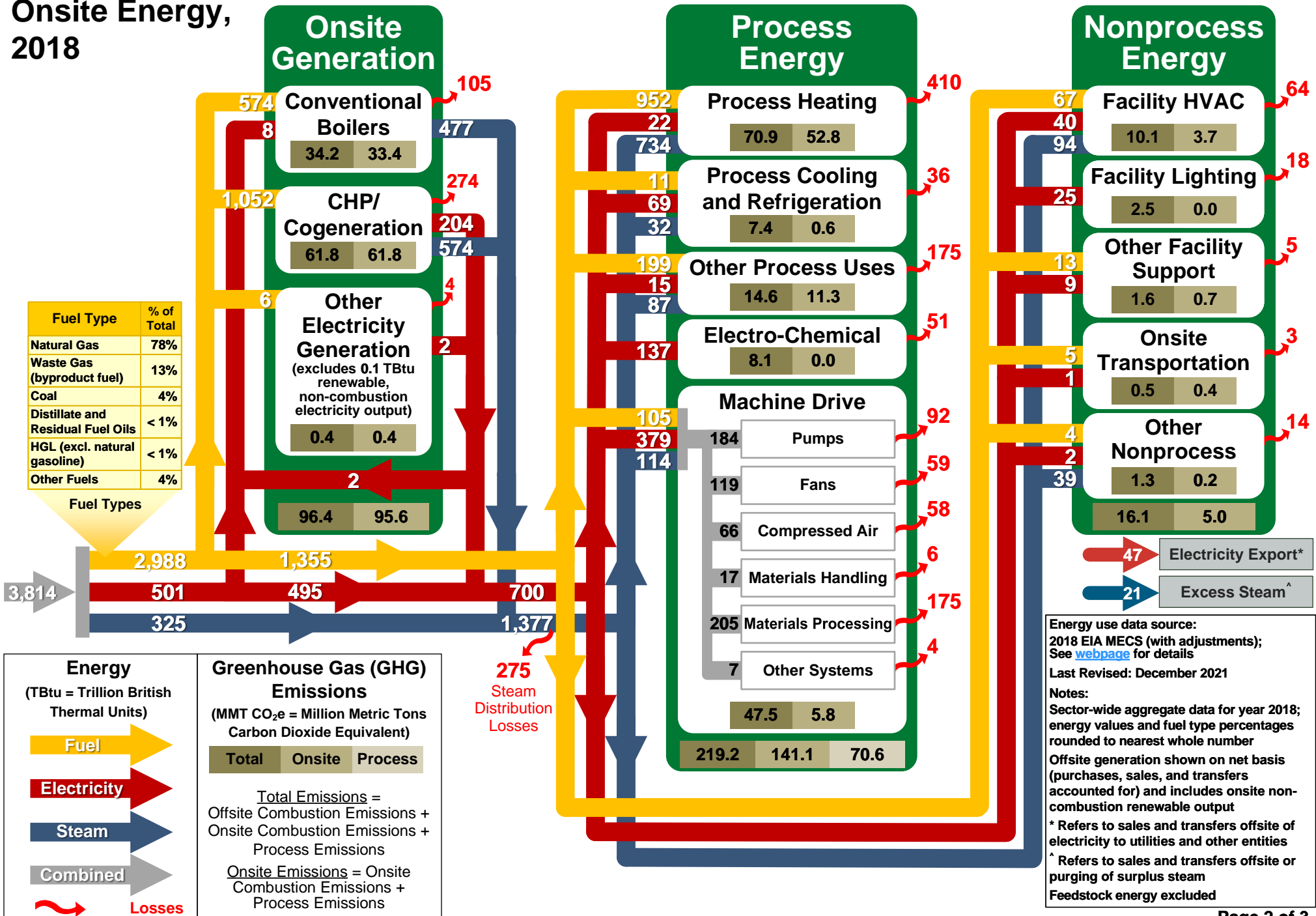
Manufacturing Energy and Carbon Footprint

Sector: Chemicals (NAICS 325)

Onsite Energy Use: 3,814 TBtu

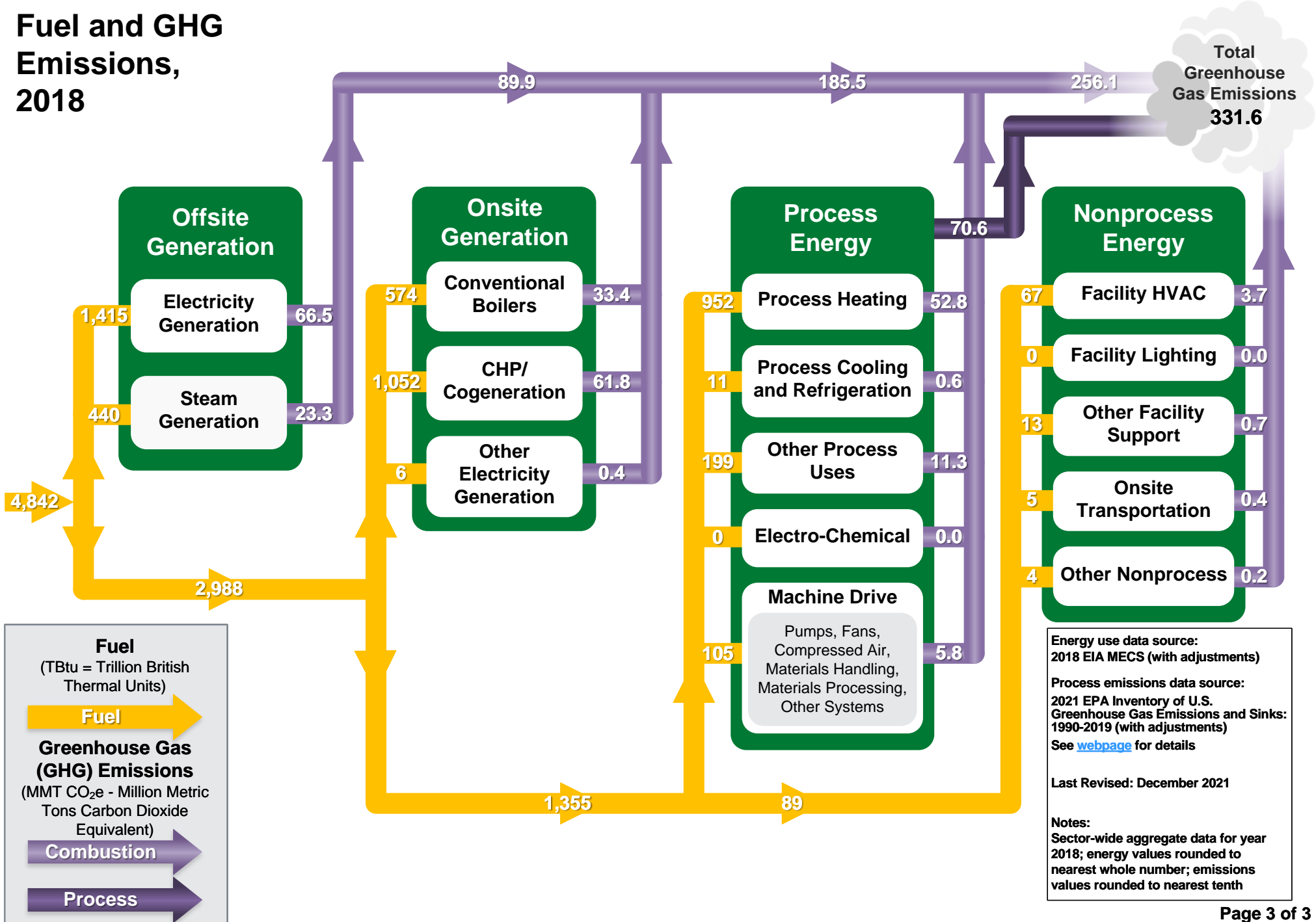
Onsite Emissions: 242 MMT CO₂e

Onsite Energy, 2018



Energy use data source: 2018 EIA MECS (with adjustments); See [webpage](#) for details
 Last Revised: December 2021
 Notes:
 Sector-wide aggregate data for year 2018; energy values and fuel type percentages rounded to nearest whole number
 Offsite generation shown on net basis (purchases, sales, and transfers accounted for) and includes onsite non-combustion renewable output
 * Refers to sales and transfers offsite of electricity to utilities and other entities
 ^ Refers to sales and transfers offsite or purging of surplus steam
 Feedstock energy excluded

Fuel and GHG Emissions, 2018



Fuel
(TBtu = Trillion British Thermal Units)

Greenhouse Gas (GHG) Emissions
(MMT CO₂e - Million Metric Tons Carbon Dioxide Equivalent)

Fuel (Yellow arrow)

Combustion (Purple arrow)

Process (Dark Purple arrow)

Energy use data source: 2018 EIA MECS (with adjustments)

Process emissions data source: 2021 EPA Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2019 (with adjustments)

See [webpage](#) for details

Last Revised: December 2021

Notes:
Sector-wide aggregate data for year 2018; energy values rounded to nearest whole number; emissions values rounded to nearest tenth