

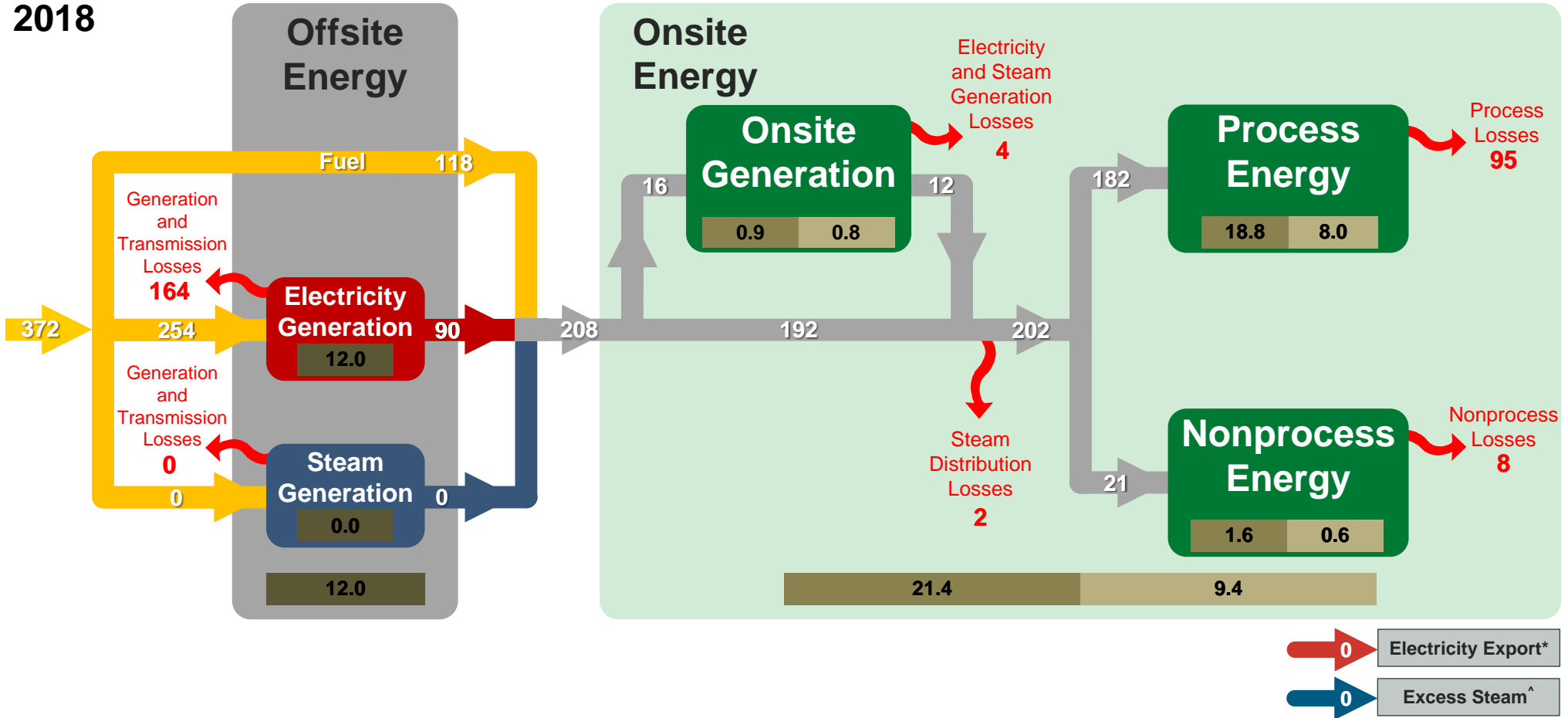
Manufacturing Energy and Carbon Footprint

Sector: Alumina and Aluminum (NAICS 3313)

Primary Energy Use: 372 TBtu

Total GHG Emissions: 21 MMT CO₂e

Primary Energy, 2018



Energy (TBtu = Trillion British Thermal Units)	Greenhouse Gas (GHG) Emissions (MMT CO ₂ e = Million Metric Tons Carbon Dioxide Equivalent)
Fuel	Offsite
Electricity	Total
Steam	Onsite
Combined	
Losses	

Total Emissions = Offsite Emissions + Onsite (Combustion + Process) Emissions

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 381 TBtu
 Includes primary energy plus net energy consumed for nonfuel purposes, including feedstock use

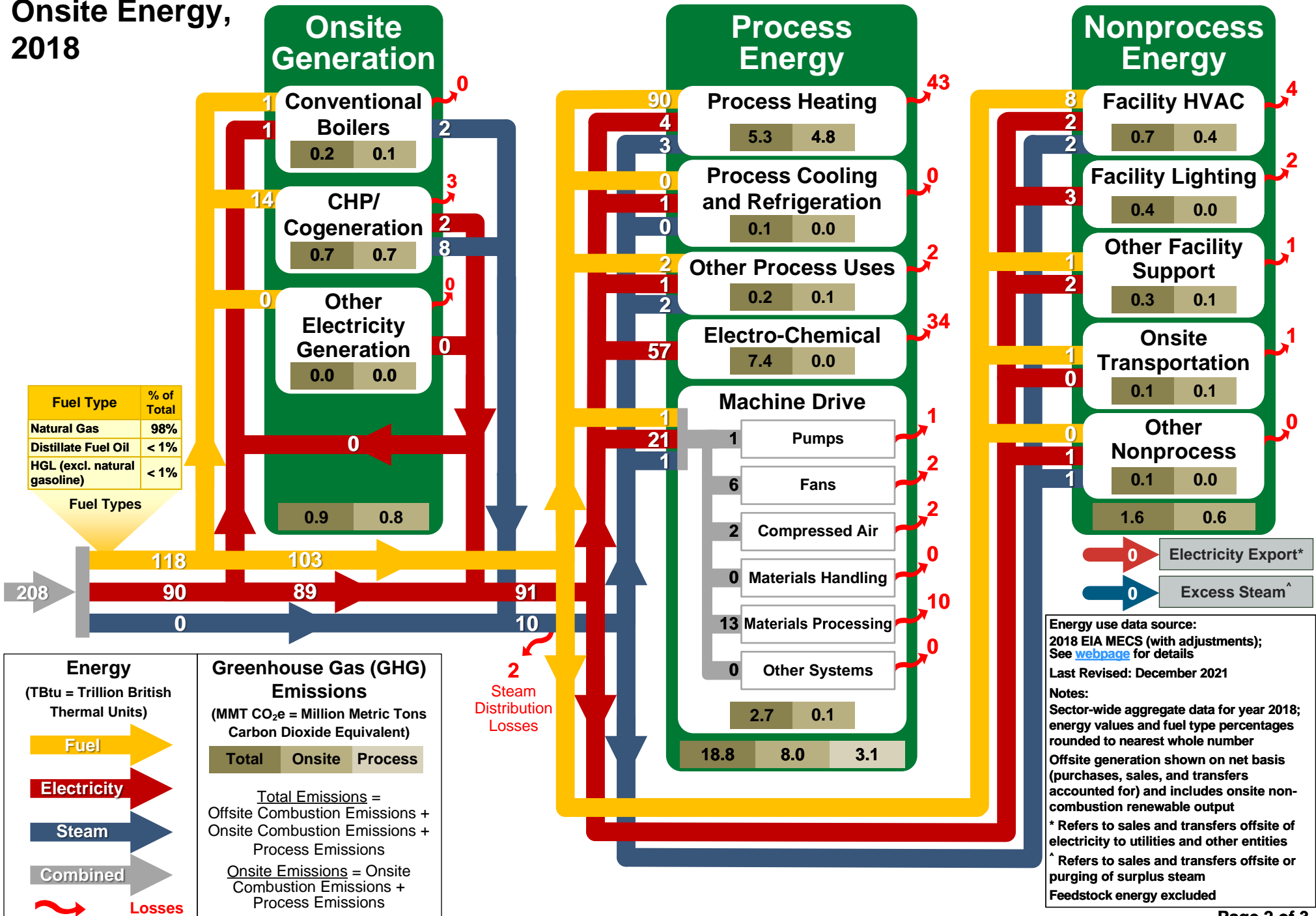
Manufacturing Energy and Carbon Footprint

Sector: Alumina and Aluminum (NAICS 3313)

Onsite Energy Use: 208 TBtu

Onsite Emissions: 9 MMT CO₂e

Onsite Energy, 2018



Fuel and GHG Emissions, 2018

