

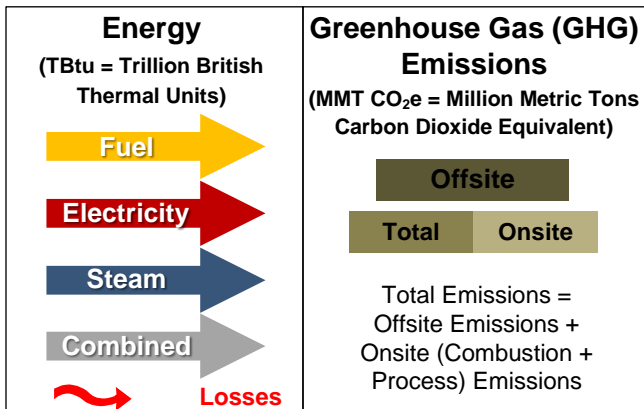
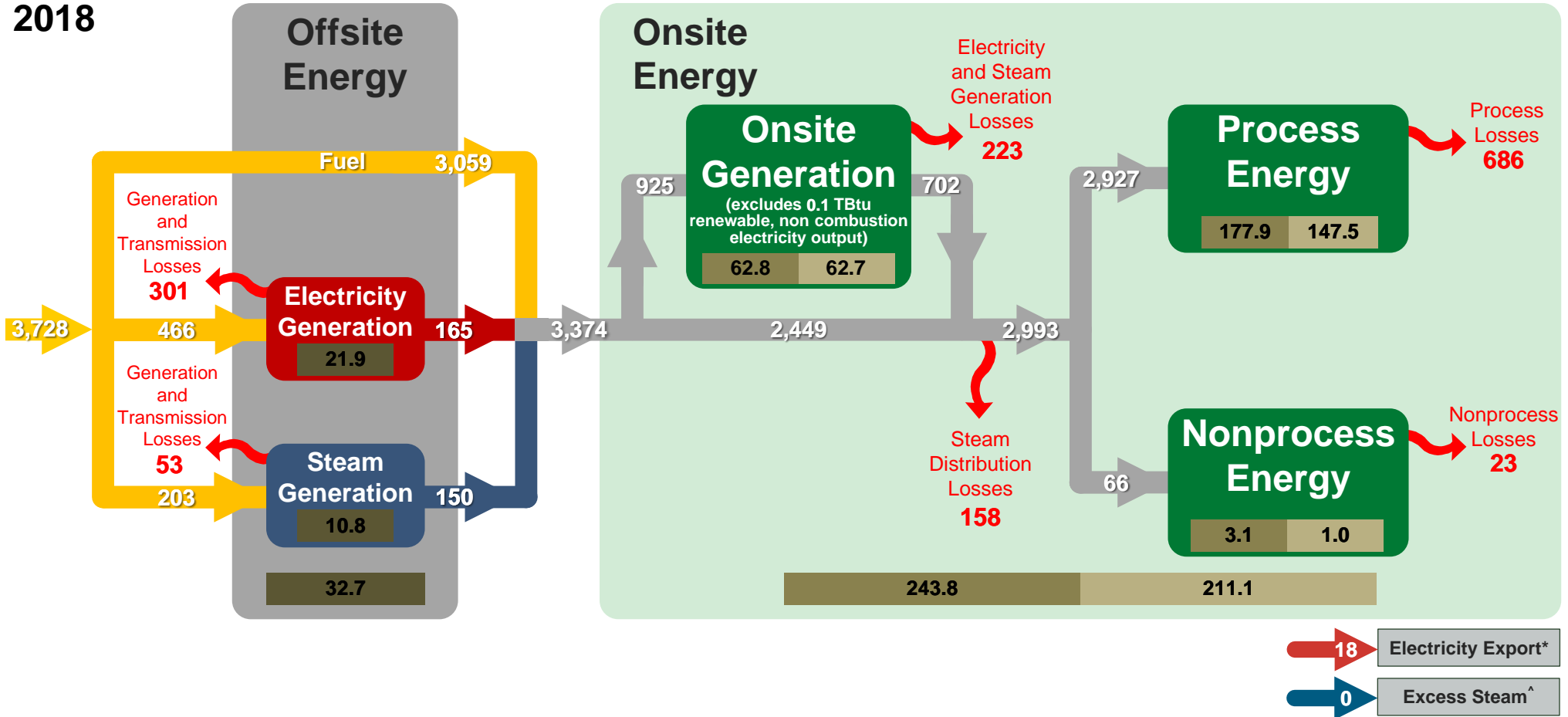
# Manufacturing Energy and Carbon Footprint

Sector: Petroleum Refining (NAICS 324110)

Primary Energy Use: 3,728 TBtu

Total GHG Emissions: 244 MMT CO<sub>2</sub>e

## 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

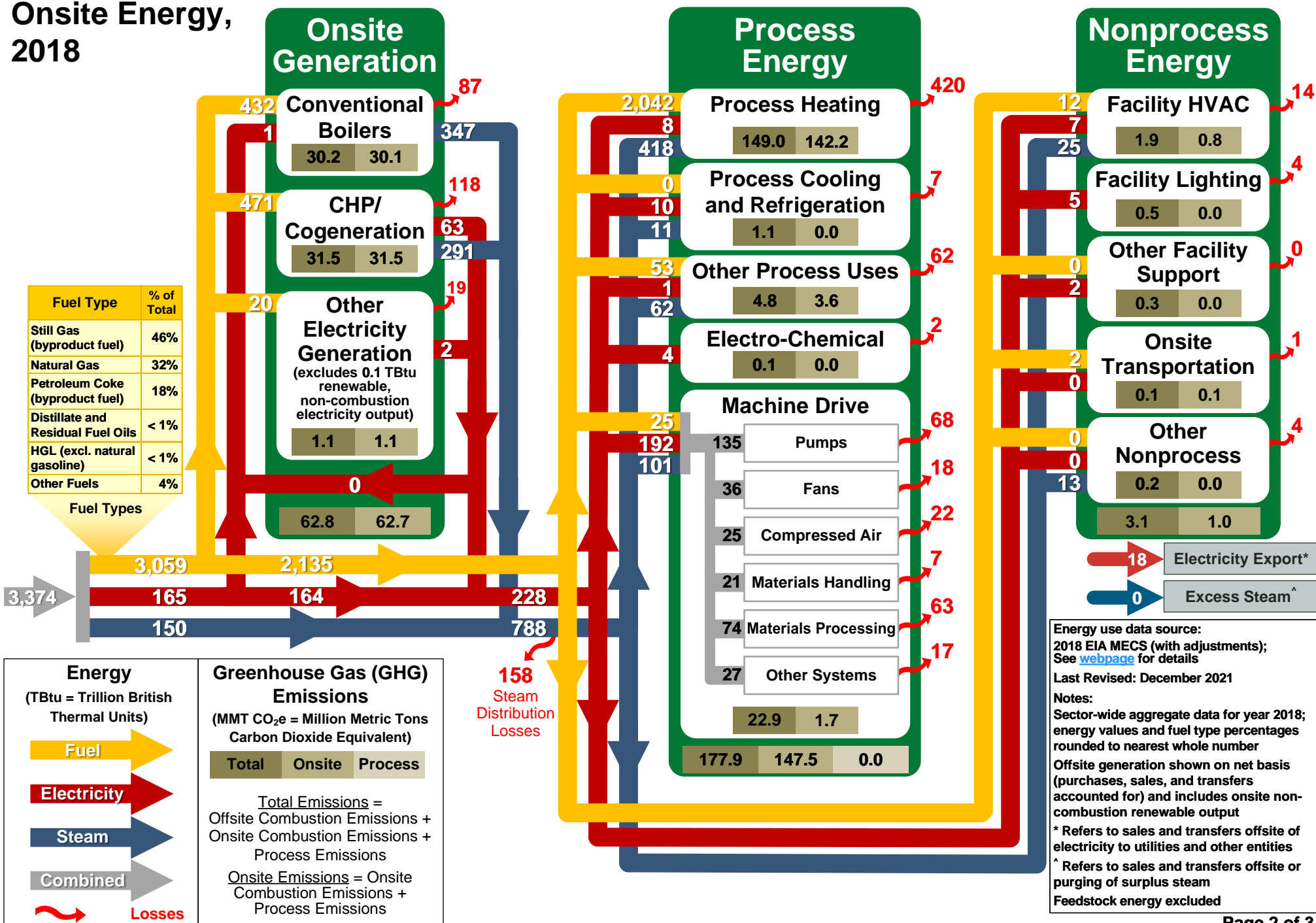
Energy for All Purposes estimated at 3,728 TBtu  
 Includes primary energy plus net energy consumed for nonfuel purposes, including feedstock use

# Manufacturing Energy and Carbon Footprint

## Sector: Petroleum Refining (NAICS 324110)

Onsite Energy Use: 3,374 TBtu  
Onsite Emissions: 211 MMT CO<sub>2</sub>e

### 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**

