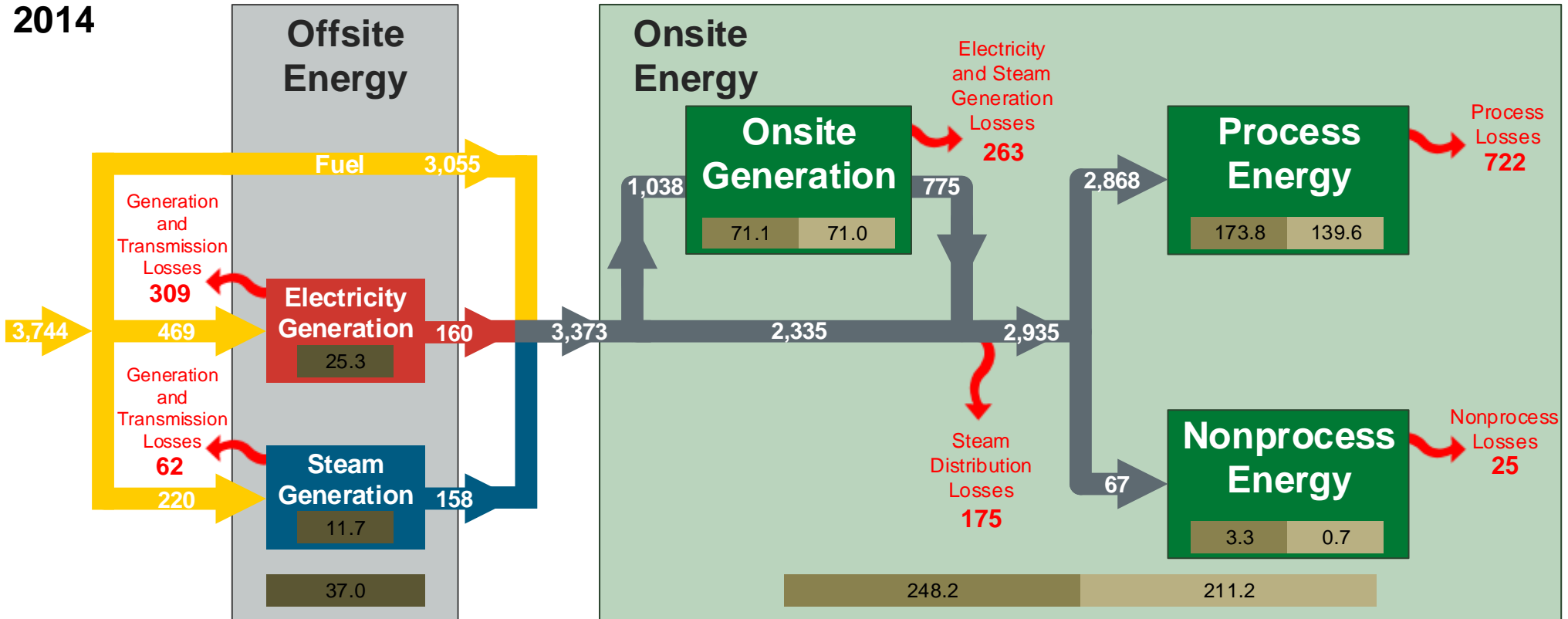


Manufacturing Energy and Carbon Footprint
Sector: Petroleum Refining (NAICS 324110)

Primary Energy Use: 3,744 TBtu
Total Combustion Emissions: 248 MMT CO₂e

Primary Energy, 2014



13 Electricity Export*

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

Total Emissions = Offsite Emissions + Onsite Emissions

Energy use 2014 EIA MECS (with adjustments). For full information on references, definitions, assumptions, and other sectors, data source: <https://www.energy.gov/eere/amo/manufacturing-energy-and-carbon-footprints-2014-meecs>

Last Revised: September 2018

Notes: Sector-wide aggregate data for year 2014; 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.

Energy for All Purposes estimated at 3,744 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: **3,373 TBtu**
 Onsite Combustion Emissions: **211 MMT CO₂e**

Onsite Energy, 2014

