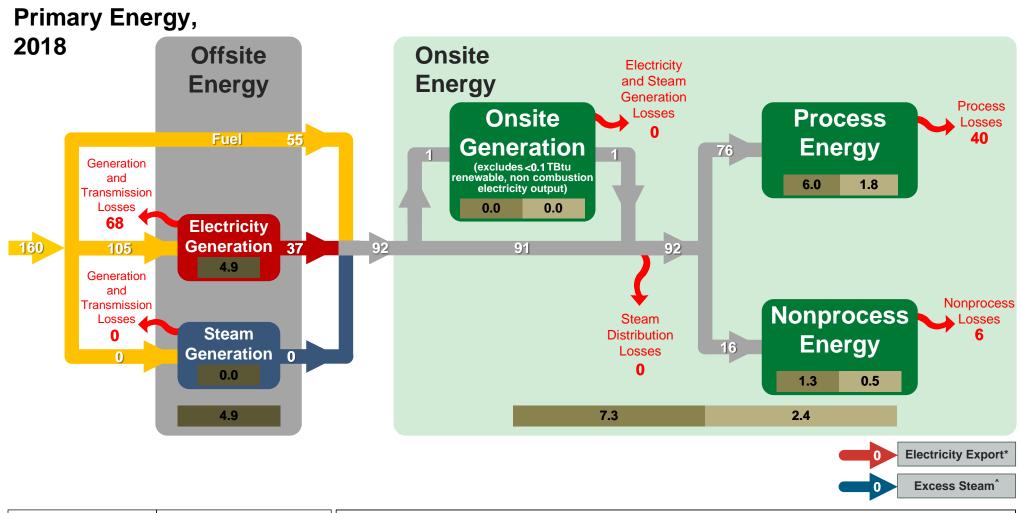
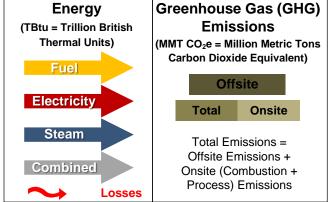
## **Manufacturing Energy and Carbon Footprint Sector: Foundries (NAICS 3315)**

**Primary Energy Use: 160 TBtu Total GHG Emissions:** 7 MMT CO<sub>2</sub>e





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

Last Revised: December 2021

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

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 161 TBtu

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

## **Manufacturing Energy and Carbon Footprint Onsite Energy Use:** 92 TBtu **Onsite Emissions:** 2 MMT CO<sub>2</sub>e **Sector: Foundries (NAICS 3315) Onsite Energy**, **Onsite** Nonprocess **Process** 2018 Generation **Energy Energy** 29 **Process Heating Facility HVAC** Conventional **Boilers** 1.6 0.5 0.0 **Process Cooling Facility Lighting** CHP/ and Refrigeration 0.3 0.0 Cogeneration 0.1 0.0 Other Facility 0.0 0.0 **Other Process Uses Support** 0.4 0.1 Other **Electricity Electro-Chemical Onsite** Generation 0.0 0.0 **Transportation** (excludes < 0.1 TBtu renewable. 0.0 0.0 % of non-combustion **Machine Drive Fuel Type** Total electricity output) 0 Other 80% Natural Gas **Pumps** Coke and Breeze 18% **Nonprocess** HGL (excl. natural 2% 0 0.0 0.0 gasoline) Fans **Fuel Types** 0.0 0.0 1.3 0.5 **Compressed Air Electricity Export\*** 55 Materials Handling **37** Excess Steam 8 Materials Processing Energy use data source: 2018 EIA MECS (with adjustments); ge for details **Greenhouse Gas (GHG)** Energy Other Systems Last Revised: December 2021 **Emissions** (TBtu = Trillion British Steam Distribution Sector-wide aggregate data for year 2018; Thermal Units) (MMT CO<sub>2</sub>e = Million Metric Tons 0.1 energy values and fuel type percentages Losses Carbon Dioxide Equivalent) rounded to nearest whole number Fuel 6.0 1.8 0.0 Total Onsite Process Offsite generation shown on net basis (purchases, sales, and transfers Electricity accounted for) and includes onsite non-Total Emissions = combustion renewable output Offsite Combustion Emissions + Refers to sales and transfers offsite of **Steam** Onsite Combustion Emissions + electricity to utilities and other entities Process Emissions Refers to sales and transfers offsite or Onsite Emissions = Onsite

Combined

Losses

Combustion Emissions +

Process Emissions

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purging of surplus steam

Feedstock energy excluded

## **Manufacturing Carbon Footprint** Sector: Foundries (NAICS 3315)

Primary Energy Use: 160 TBtu
Total GHG Emissions: 7 MMT CO<sub>2</sub>e

