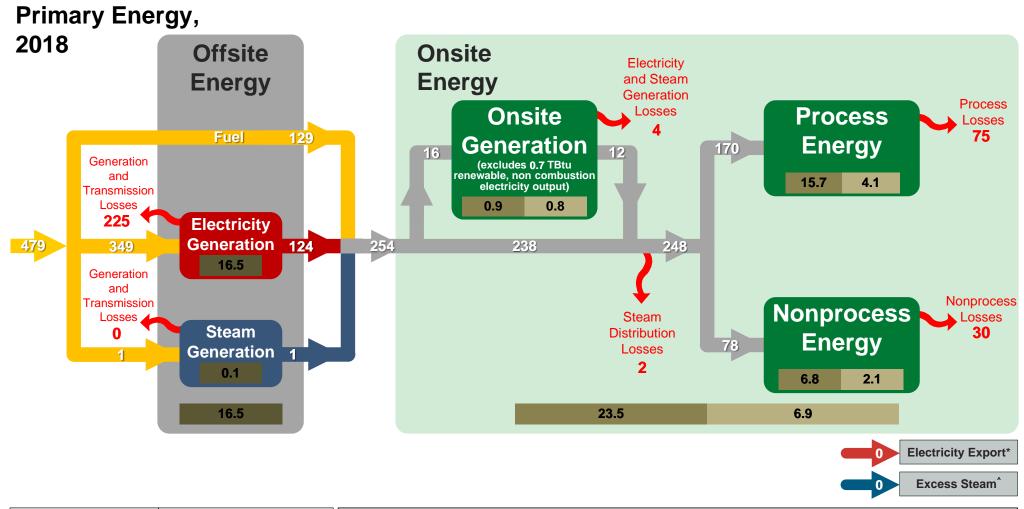
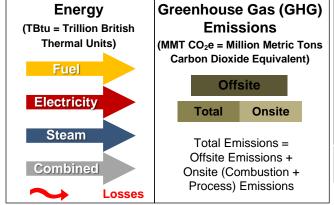
Manufacturing Energy and Carbon Footprint Sector: Fabricated Metals (NAICS 332)

Primary Energy Use: 479 TBtu
Total GHG Emissions: 24 MMT CO₂e





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

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 482 TBtu

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

Manufacturing Energy and Carbon Footprint Onsite Energy Use: 254 TBtu Onsite Emissions: 7 MMT CO₂e Sector: Fabricated Metals (NAICS 332) **Onsite Energy**, **Onsite** Nonprocess **Process** 2018 Generation **Energy Energy** 33 **Process Heating Facility HVAC** Conventional **Boilers** 3.8 1.8 **Process Cooling Facility Lighting** CHP/ and Refrigeration 1.8 0.0 Cogeneration 0.7 0.0 Other Facility 0.7 **Other Process Uses Support** 0.5 0.2 Other 0.5 0.1 **Electricity Electro-Chemical Onsite** Generation 0.8 0.0 **Transportation** (excludes 0.7 TBtu % of **Fuel Type** renewable. 0.3 0.2 Total non-combustion **Machine Drive** Natural Gas 96% electricity output) Other HGL (excl. natural 2% **Pumps** gasoline) **Nonprocess** Distillate Fuel Oil < 1% 5 Other Fuels < 1% 0 0.0 0.0 13 Fans **Fuel Types** 0.9 0.8 6.8 2.1 **Compressed Air Electricity Export*** 129 115 2 Materials Handling 124 123 Excess Steam 19 Materials Processing Energy use data source: 2018 EIA MECS (with adjustments); age 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 CO₂e = Million Metric Tons 0.1 energy values and fuel type percentages Losses Carbon Dioxide Equivalent) rounded to nearest whole number Fuel 15.7 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 purging of surplus steam

Combustion Emissions +

Process Emissions

Losses

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Feedstock energy excluded

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