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 482 TBtu. Includes primary energy plus net energy consumed for nonfuel purposes, including feedstock use.
Manufacturing Carbon Footprint
Sector: Fabricated Metals (NAICS 332)

Primary Energy Use: 479 TBtu
Total GHG Emissions: 24 MMT CO\textsubscript{2}e

Fuel and GHG Emissions, 2018

Offsite Generation
- Electricity Generation
  - Steam Generation
  - Conventional Boilers
  - CHP/ Cogeneration
  - Other Electricity Generation

Onsite Generation
- Conventional Boilers
  - Process Heating
  - Process Cooling and Refrigeration
- CHP/ Cogeneration
  - Process Heating
  - Process Cooling and Refrigeration
- Other Electricity Generation
  - Facility HVAC
  - Facility Lighting
  - Other Facility Support
  - Onsite Transportation
  - Other Nonprocess

Process Energy
- Pumps, Fans, Compressed Air, Materials Handling, Materials Processing, Other Systems
  - Electro-Chemical
  - Machine Drive

Nonprocess Energy
- Fuel Combustion
- Process Combustion

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 rounded to nearest whole number; emissions values rounded to nearest tenth

Prepared for the U.S. Department of Energy, Advanced Manufacturing Office by Energetics