Manufacturing Energy and Carbon Footprint
Sector: Chemicals (NAICS 325)

Primary Energy Use: 4,842 TBtu
Total GHG Emissions: 332 MMT CO₂e

Primary Energy, 2018

Energy
(TBtu = Trillion British Thermal Units)
- Fuel
- Electricity
- Steam
- Combined

Greenhouse Gas (GHG) Emissions
(MMT CO₂e = Million Metric Tons Carbon Dioxide Equivalent)
- Offsite
- Total
- Onsite

Total Emissions = Offsite Emissions + Onsite (Combustion + Process) Emissions

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 noncombustion 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 8,169 TBtu
Includes primary energy plus net energy consumed for nonfuel purposes, including feedstock use

Prepared for the U.S. Department of Energy, Advanced Manufacturing Office by Energetics
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Sector: Chemicals (NAICS 325)

Fuel and GHG Emissions, 2018

Primary Energy Use: 4,842 TBtu
Total GHG Emissions: 332 MMT CO\textsubscript{2}e

Notes:
- Sector-wide aggregate data for year 2018; energy values rounded to nearest whole number; emissions values rounded to nearest tenth
- Energy use data source: 2018 EIA MECS (with adjustments)
- See webpage for details
- Last Revised: December 2021

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