Manufacturing Energy and Carbon Footprint
Sector: Iron and Steel (NAICS 3311, 3312)

Onsite Energy Use: 1,056 TBtu
Onsite Combustion Emissions: 22 MMT CO₂e

Onsite Energy, 2010

Onsite Generation
- Conventional Boilers: 1.4
- CHP/Cogeneration: 1.5
- Other Electricity Generation: 0.0

Process Energy
- Process Heating: 32.4
- Process Cooling and Refrigeration: 0.5
- Other Process Uses: 1.5
- Electro-Chemical: 1.7

Nonprocess Energy
- Facility HVAC: 2.5
- Facility Lighting: 1.2
- Other Facility Support: 0.5
- Onsite Transportation: 0.3
- Other Nonprocess: 0.3

Fuel Types
- Natural Gas: 40.7%
- Blast Furnace/Coke Oven Gases (byproduct fuel): 31.2%
- Coke and Breeze: 22.8%
- Coal: 2.7%
- Distillate and Residual Fuel Oils: 0.6%
- LPG and NGL: <0.1%
- Other Fuels: 2.1%

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

Combustion Emissions
(MMT CO₂e = Million Metric Tons Carbon Dioxide Equivalent)
- Total
- Onsite

Total Emissions = Offsite Emissions + Onsite Emissions

Energy use data source: 2010 EIA MECS (with adjustments)
Last Revised: February 2014
Notes:
- Sector-wide aggregate data for year 2010
- Energy values rounded to nearest whole number
- Feedstock energy not included
- Offsite generation shown on net basis (purchases, sales, and transfers accounted for)

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