Manufacturing Energy and Carbon Footprint

Total Emissions =

Offsite Emissions +
Onsite Emissions

Sector: Computers, Electronics and Electrical Equipment (NAICS 334, 335)

Total Primary Energy Use: 4
Total Combustion Emissions:

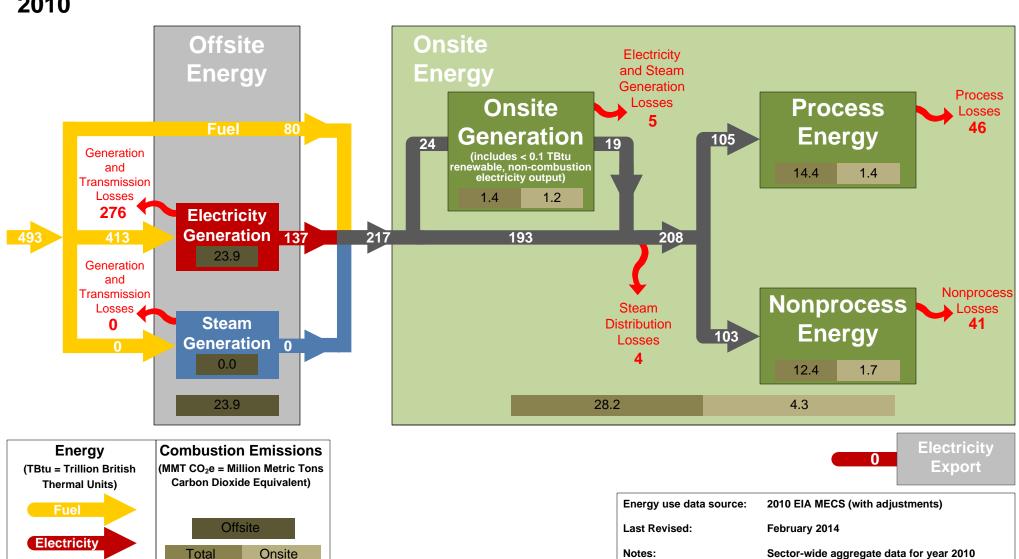
493 TBtu 28 MMT CO₂e

Total Primary Energy, 2010

Steam

Combined

Losses



Energy values rounded to nearest whole number

(purchases, sales, and transfers accounted for)

Feedstock energy not included
Offsite generation shown on net basis

Manufacturing Energy and Carbon Footprint **Onsite Energy Use: Onsite Combustion Emissions:** 4 MMT CO₂e Sector: Computers, Electronics and Electrical Equipment (NAICS 334, 335) **Onsite Onsite Process** Nonprocess Energy, Generation **Energy** Energy 2010 15 Conventional **Process Heating Facility HVAC Boilers** 14 1.3 7.9 1.4 0.9 **Process Cooling Facility Lighting** CHP/ and Refrigeration 2.9 0.0 Cogeneration 2.0 0.0 Other Facility 0.3 0.3 **Other Process Uses Support** Other **Electricity Electro-Chemical** Onsite Generation % of 0.0 **Transportation Fuel Type** (includes < 0.1 TBtu **Total** renewable. 0.1 97.5% 0.1 **Natural Gas** non-combustion **Machine Drive** LPG and NGL 1.3% electricity output) 3 Other Distillate and 1.3% 0.0 0.0 **Pumps Residual Fuel Oils Nonprocess** Coal < 0.1% 2 Other Fuels < 0.1% 0 0.2 0.0 Fans **Fuel Types** 1.2 1.4 12.4 1.7 **Compressed Air Electricity** 4 Materials Handling 0 **Export** 136 10 13 Materials Processing Energy use data source: 2010 EIA MECS (with adjustments) **Energy** Combustion Emissions **Other Systems** Last Revised: February 2014 (TBtu = Trillion British (MMT CO₂e = Million Metric Tons Steam Carbon Dioxide Equivalent) Distribution Thermal Units) 6.6 0.0 Notes: Losses Sector-wide aggregate data for year 2010 Fuel 14.4 1.4 Energy values rounded to nearest whole Total Onsite number Electricity Feedstock energy not included Offsite generation shown on net basis Total Emissions = Steam (purchases, sales, and transfers Offsite Emissions + accounted for) Onsite Emissions Combined Losses

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

217 TBtu