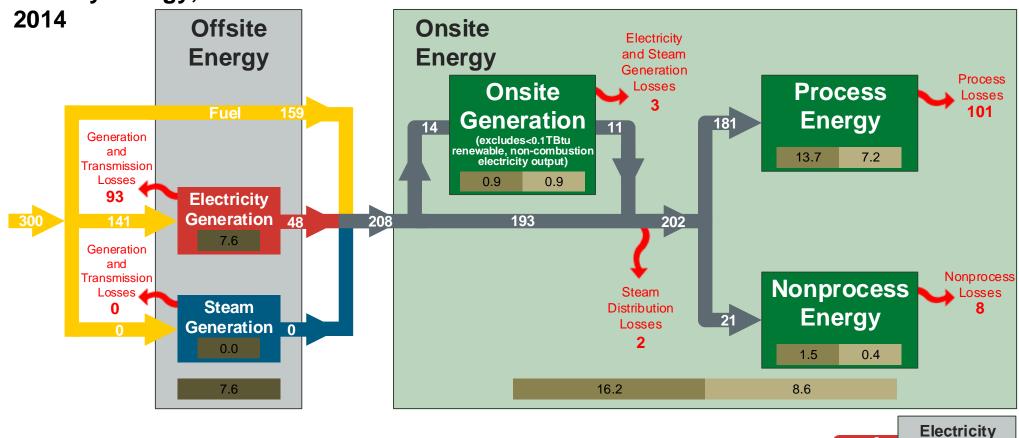
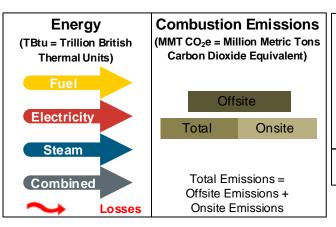
Manufacturing Energy and Carbon Footprint Primary Energy Use: 300 TBtu

Sector: Glass and Glass Products (NAICS 3272, 327993) Total Combustion Emissions: 16 MMT CO<sub>2</sub>e

Primary Energy,





Energy use 2014 EIA MECS (with adjustments). For full information on references, definitions, assumptions, and other sectors, data source: visit: https://www.energy.gov/eere/amo/manufacturing-energy-and-carbon-footprints-2014-mecs

Last Revised: September 2018

Notes: Sector-wide aggregate data for year 2014; 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

## **Energy for All Purposes estimated at 301 TBtu**

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

Export\*

Manufacturing Energy and Carbon Footprint **Onsite Energy Use: 208 TBtu** Sector: Glass and Glass Products (NAICS 3272, 327993)Onsite Combustion Emissions: 9 MMT CO<sub>2</sub>e Onsite Energy, **Onsite** Nonprocess **Process** 2014 Generation **Energy Energy** 82 Conventional **Process Heating Facility HVAC Boilers** 6.7 0.4 9.9 1.0 0.7 **Facility Lighting Process Cooling** CHP/ and Refrigeration 0.5 0.0 Cogeneration 0.3 0.1 **Other Facility** 0.2 0.2 **Other Process Uses Support** 0.3 0.2 Other 0.0 0.0 0 **Electricity Electro-Chemical Onsite** Generation 0.0 0.0 **Transportation** (excludes<0.1TBtu renewable, 0.0 0.0 non-combustion **Machine Drive** % of **Fuel Type** electricity output) 2 Total Other Natural Gas 93% 0.0 0.0 **Pumps Nonprocess** Coke and Breeze < 1% 2 Other Fuels 6% 0.0 0.0 0 **Fans Fuel Types** 3 0.9 0.9 1.5 0.4 **Compressed Air Electricity Materials Handling** Export\* 48 48 8 Materials Processing Energy use data source: 2014 EIA MECS (with adjustments); see page 1 of 2 for reference link Energy **Combustion Emissions** Other Systems Last Revised: September 2018 (MMT CO2e = Million Metric Tons (TBtu = Trillion British Steam Distribution **Carbon Dioxide Equivalent)** Thermal Units) 3.2 0.2 Sector-wide aggregate data for year 2014; Losses energy values and fuel type percentages rounded to nearest whole number 13.7 7.2 Offsite generation shown on net basis Total Onsite Electricity (purchases, sales, and transfers) accounted for) and includes onsite noncombustion renewable output Total Emissions = Steam Refers to sales and transfers offsite of Offsite Emissions + electricity to utilities and other entities Onsite Emissions

Combined

Losses

Feedstock energy excluded