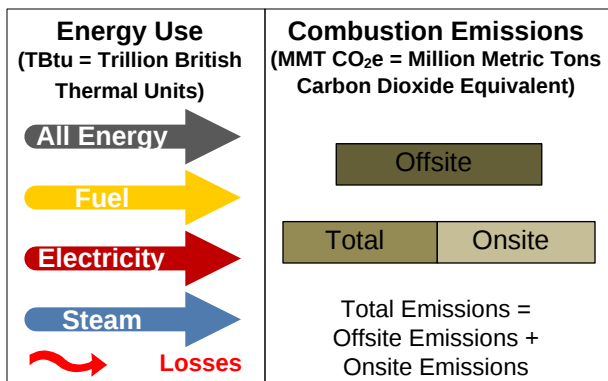
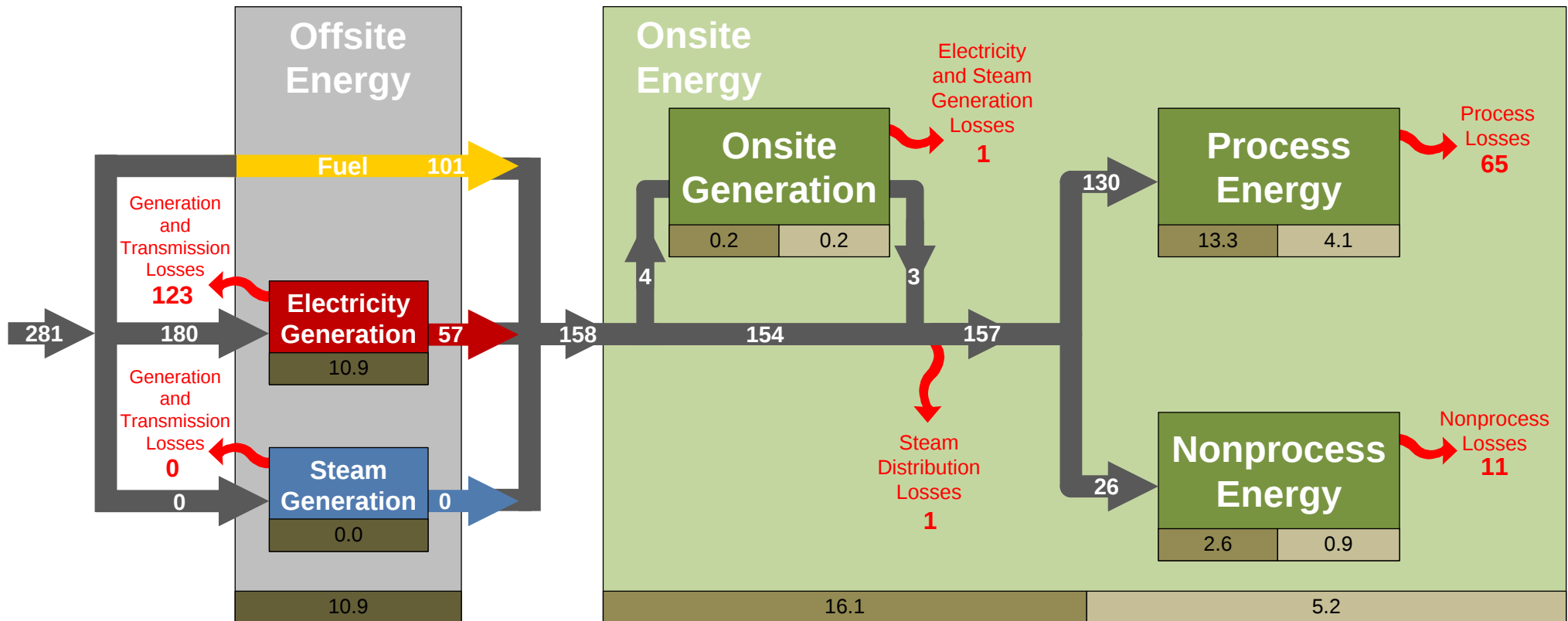


Manufacturing Energy and Carbon Footprint

Sector: Foundries (NAICS 3315)

Total Primary Energy Use: 281 TBtu
Total Combustion Emissions: 16 MMT CO₂e

Total Energy



0 Electricity Export

Energy use data source: 2006 MECS (with adjustments)
Last Revised: October 2012
Notes: Feedstock energy not included
Energy values <0.5 TBtu shown as 0
Values represent aggregate data
Offsite generation shown on net basis

Manufacturing Energy and Carbon Footprint

Sector: Foundries (NAICS 3315)

Onsite Energy Use: 158 TBtu
Onsite Combustion Emissions: 5 MMT CO₂e

Onsite Energy

Onsite Generation

Conventional Boilers

0.2 0.2

CHP/Cogeneration

0.0 0.0

Other Electricity Generation*

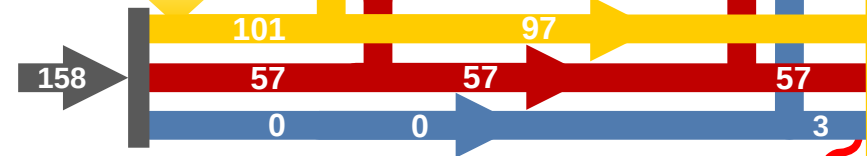
0.0 0.0

0.2 0.2

Steam Generation Losses 1
Electricity Generation Losses 0

Fuel Type	% of Total
Natural Gas	71%
Coke and Breeze	12%
Petroleum Coke (byproduct fuel)	7%
Distillate and Residual Fuel Oils	1%
LPG and NGL	1%
Other Fuels	8%

Fuel Types



Process Energy

Process Heating

9.1 4.0

Process Cooling and Refrigeration

0.2 0.0

Other Process Uses

0.2 0.1

Electro-Chemical

0.4 0.0

Machine Drive

3.4 0.1

Machine-Driven Systems

Pumps	2
Fans	3
Compressed Air	3
Materials Handling	9
Materials Processing	2
Other Systems	0

13.3 4.1

54

0

0

1

2

7

Nonprocess Energy

Facility HVAC

1.7 0.7

Facility Lighting

0.6 0.0

Other Facility Support

0.2 0.1

Onsite Transportation

0.1 0.1

Other Nonprocess

0.0 0.0

2.6 0.9

7

3

0

1

0

Electricity Export

Energy Use (TBtu = Trillion British Thermal Units)

All Energy

Fuel

Electricity

Steam

Losses

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

Total Onsite

Total Emissions = Offsite Emissions + Onsite Emissions

Energy use data source: 2006 MECS (with adjustments)

Last Revised: October 2012

Notes:
Feedstock energy not included
Energy values <0.5 TBtu shown as 0
Values represent aggregate data
Offsite generation shown on net basis

* Onsite, renewable, non-combustion generation contributes 0 TBtu