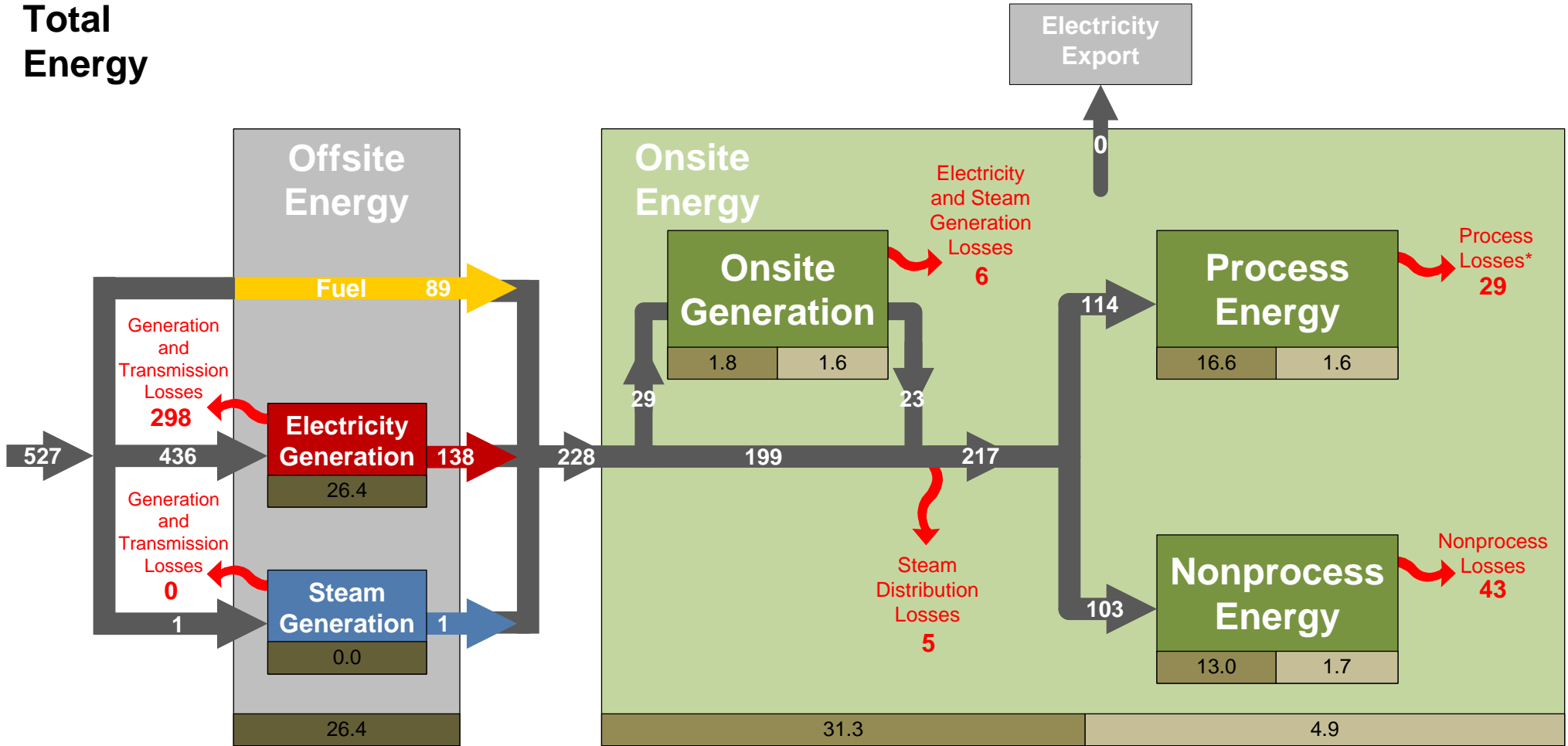


Manufacturing Energy and Carbon Footprint
Sector: Computers and Electronics (NAICS 334,335)

Total Primary Energy Use: 527 TBtu
Total Combustion Emissions: 31 MMT CO₂e

Total Energy



Energy Use (TBtu = Trillion British Thermal Units)	Combustion Emissions (MMT CO ₂ e = Million Metric Tons Carbon Dioxide Equivalent)
All Energy	Offsite
Fuel	Total Onsite
Electricity	
Steam	
Losses	

Total Emissions = Offsite Emissions + Onsite Emissions

Energy use data source: 2006 MECS (with adjustments)
 Published: August 2010
 Revisions: July 2011, March 2012
 Notes: Feedstock energy not included
 Energy values <0.5 TBtu shown as 0
 Values represent aggregate data

* Process heating losses are not included, but will be estimated in a future revision.

Manufacturing Energy and Carbon Footprint

Sector: Computers and Electronics (NAICS 334,335)

Onsite Energy Use: 228 TBtu
 Onsite Combustion Emissions: 5 MMT CO₂e

Onsite Energy

Onsite Generation

Conventional Boilers
 1.7 | 1.5

CHP/ Cogeneration
 0.0 | 0.0

Other Electricity Generation*
 0.0 | 0.0

1.8 | 1.6

Steam Generation Losses 6
 Electricity Generation Losses 0

Process Energy

Process Heating
 5.4 | 1.5

Process Cooling and Refrigeration
 2.4 | 0.1

Other Process Uses
 1.7 | 0.1

Electro-Chemical
 0.4 | 0.0

Machine Drive
 6.8 | 0.0

Machine-Driven Systems

Pumps	7
Fans	5
Compressed Air	6
Materials Handling	4
Materials Processing	12
Other Systems	2
<hr/>	
	16.6
	1.6

TBD

Nonprocess Energy

Facility HVAC
 7.7 | 1.4

Facility Lighting
 3.1 | 0.0

Other Facility Support
 1.6 | 0.0

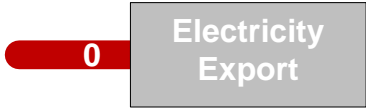
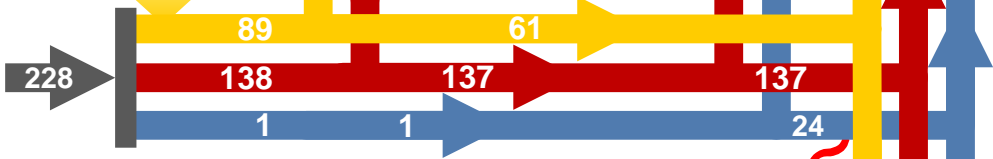
Onsite Transportation
 0.2 | 0.2

Other Nonprocess
 0.4 | 0.1

13.0 | 1.7

Fuel Type	% of Total
Natural Gas	97%
Distillate and Residual Fuel Oils	2%
LPG and NGL	1%
Coal	< 0.5%
Other Fuels	< 0.5%

Fuel Types



Energy Use (TBtu = Trillion British Thermal Units)	Combustion Emissions (MMT CO ₂ e = Million Metric Tons Carbon Dioxide Equivalent)
All Energy	
Fuel	
Electricity	
Steam	
Losses	

Total	Onsite
Total Emissions = Offsite Emissions + Onsite Emissions	

Energy use data source: 2006 MECS (with adjustments)
 Published: August 2010
 Revisions: July 2011, March 2012

Notes:
 Feedstock energy not included
 Energy values <0.5 TBtu shown as 0
 Values represent aggregate data

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