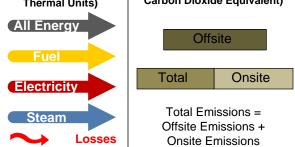
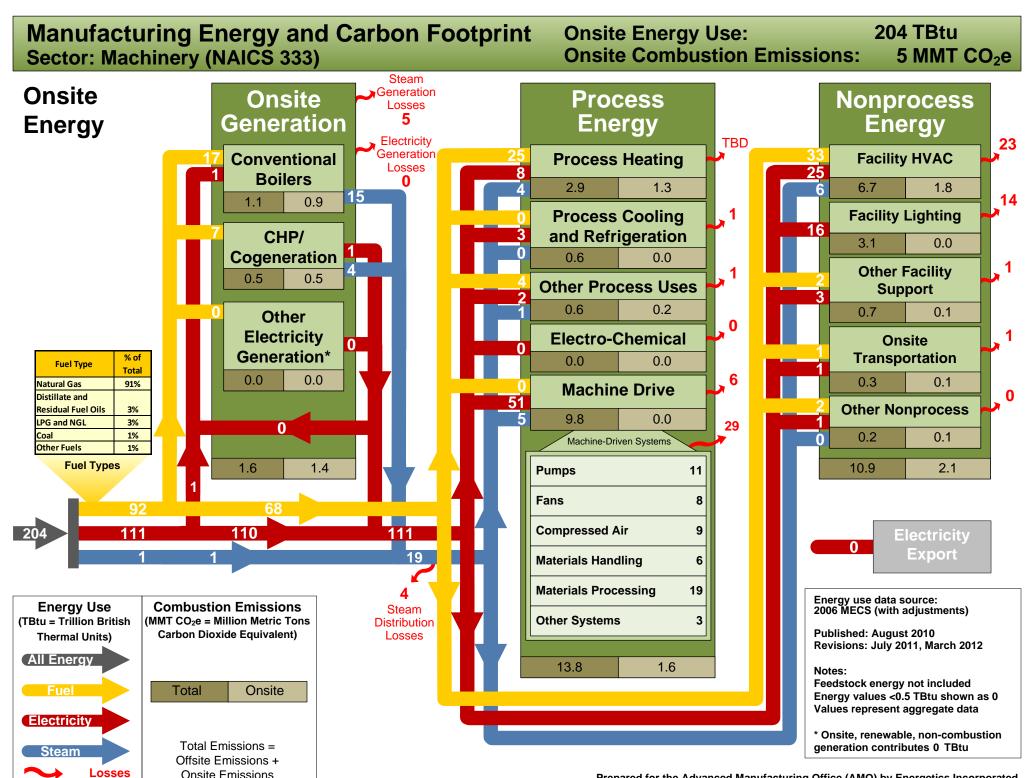
Manufacturing Energy and Carbon Footprint 444 **TBtu Total Primary Energy Use: Total Combustion Emissions:** Sector: Machinery (NAICS 333) 26 MMT CO₂e Total Electricity Export Energy Offsite Onsite Electricity Energy Energy and Steam Generation Process Losses Onsite _osses* Process 6 37 Fuel 103 Generation Energy Generation and 1.6 1.4 13.8 1.6 Transmission Losses 26 240 **Electricity** 194 204 444 351 Generation 111 178 21.2 Generation and Nonprocess Transmission Steam Nonprocess Losses Losses 39 **Steam** Distribution Π 91 Energy Losses Generation 1 4 0.1 10.9 2.1 21.3 26.3 5.1 **Energy Use Combustion Emissions** (TBtu = Trillion British (MMT CO₂e = Million Metric Tons **Carbon Dioxide Equivalent)** Thermal Units)



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

Prepared for the Advanced Manufacturing Office (AMO) by Energetics Incorporated



Prepared for the Advanced Manufacturing Office (AMO) by Energetics Incorporated