Total Energy

Manufacturing Energy and Carbon Footprint
Sector: Alumina and Aluminum (NAICS 3313)

Total Primary Energy Use: 603 TBtu
Total Combustion Emissions: 36 MMT CO₂e

Energy Use (TBtu = Trillion British Thermal Units)
- Offsite
- Onsite

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

Onsite Energy
- Electricity Generation
- Steam Generation
- Onsite Generation Losses

Process Energy
- Electricity and Steam Generation Losses

Nonprocess Energy
- Steam Distribution Losses

Total Energy
- Offsite Energy
- Onsite Energy
- Nonprocess Energy

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

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Manufacturing Energy and Carbon Footprint
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Onsite Energy Use:
- 273 TBtu
- 6 MMT CO₂e

Onsite Energy Use:
- Onsite Generation
- Process Energy
  - Process Heating
  - Process Cooling and Refrigeration
  - Other Process Uses
  - Electro-Chemical
  - Machine Drive
  - Other Systems
- Nonprocess Energy
  - Facility HVAC
  - Facility Lighting
  - Other Facility Support
  - Onsite Transportation
  - Other Nonprocess

Energy Use Data Source: 2006 MECS (with adjustments)
Last Revised: October 2012

Fuel Types:
- Natural Gas: 98%
- LPG and NGL: 1%
- Distillate and Residual Fuel Oils: 1%
- Coal: < 0.5%
- Other Fuels: < 0.5%

Energy Use (TBtu = Trillion British Thermal Units)
Combustion Emissions (MMT CO₂e = Million Metric Tons Carbon Dioxide Equivalent)

Total Emissions = Offsite Emissions + Onsite Emissions

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

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