Total Energy

Manufacturing Energy and Carbon Footprint
Sector: Textiles (NAICS 313-316)

Total Primary Energy Use: 472 TBtu
Total Combustion Emissions: 29 MMT CO₂e

Energy Use
(TBtu = Trillion British Thermal Units)

<table>
<thead>
<tr>
<th>Energy Use</th>
<th>Combustion Emissions</th>
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<tbody>
<tr>
<td>All Energy</td>
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<tr>
<td>Offsite</td>
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<tr>
<td>Fuel</td>
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<td>Electricity</td>
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<td>Steam</td>
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<td>Total</td>
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<td>Onsite</td>
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<td>Losses</td>
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Combustion Emissions
(MMT CO₂e = Million Metric Tons Carbon Dioxide Equivalent)

- Offsite Energy
  - Fuel: 162 TBtu
  - Electricity Generation: 18.0 TBtu
  - Steam Generation: 0.8 TBtu
  - Generation and Transmission Losses: 203 TBtu

- Onsite Energy
  - Electricity Generation: 6.7 TBtu
  - Steam Generation: 6.5 TBtu
  - Electricity and Steam Generation Losses: 21 TBtu
  - Steam Distribution Losses: 17 TBtu

- Process Energy
  - Total: 16.8 TBtu
  - Nonprocess Energy: 5.2 TBtu
  - Process Losses: 107 TBtu
  - Nonprocess Losses: 23 TBtu

- Nonprocess Energy
  - Total: 10.0 TBtu

- Total Emissions = Offsite Emissions + Onsite Emissions: 28.7 TBtu

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

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