provisor

Managing Carbon

Environmentalist?

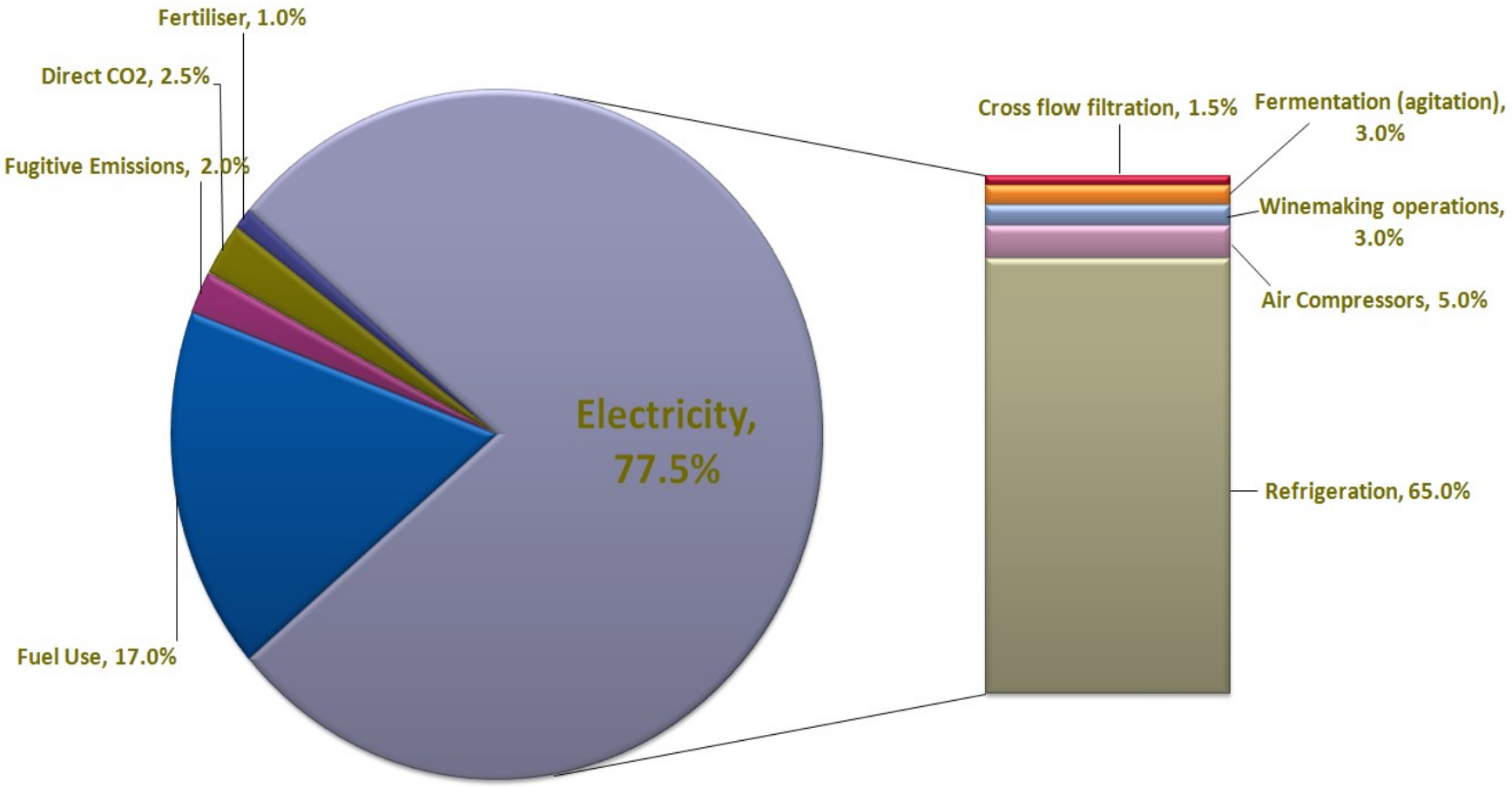
Climate Change sceptic?

Carbon will impact your business!

Content

- Winery Carbon Emissions
- Winery Energy Use
- Increasing Energy Costs
- Energy Auditing
- Minimisation Strategies
  - Tariff Assessment - Max Demand Monitoring
  - Capital Modifications

Winery Carbon Emissions



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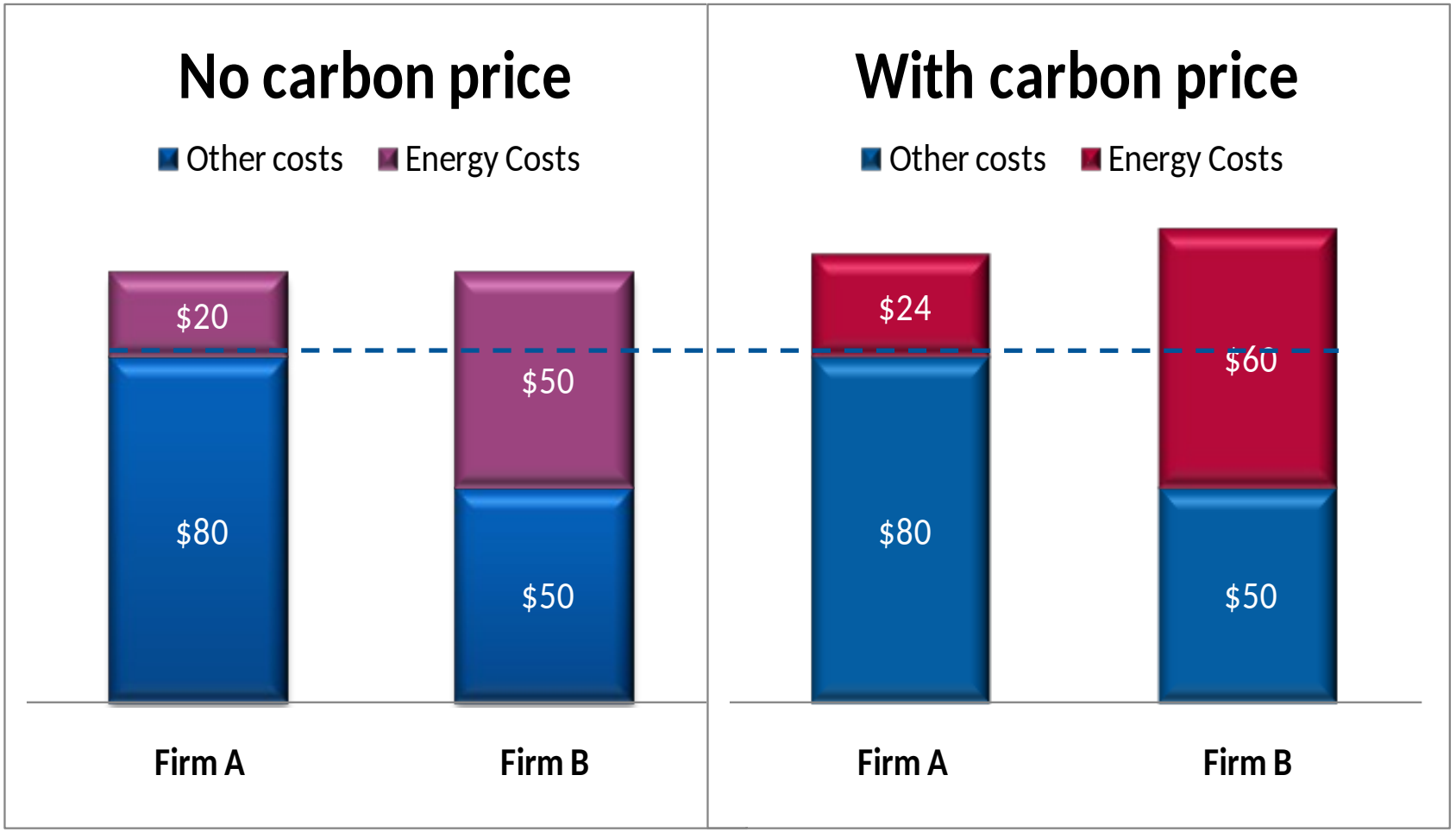
Tesco

http://www.guardian.co.uk/environment/2008/aug/20/carbonfootprints.carbonemissions

How a cap & trade scheme works



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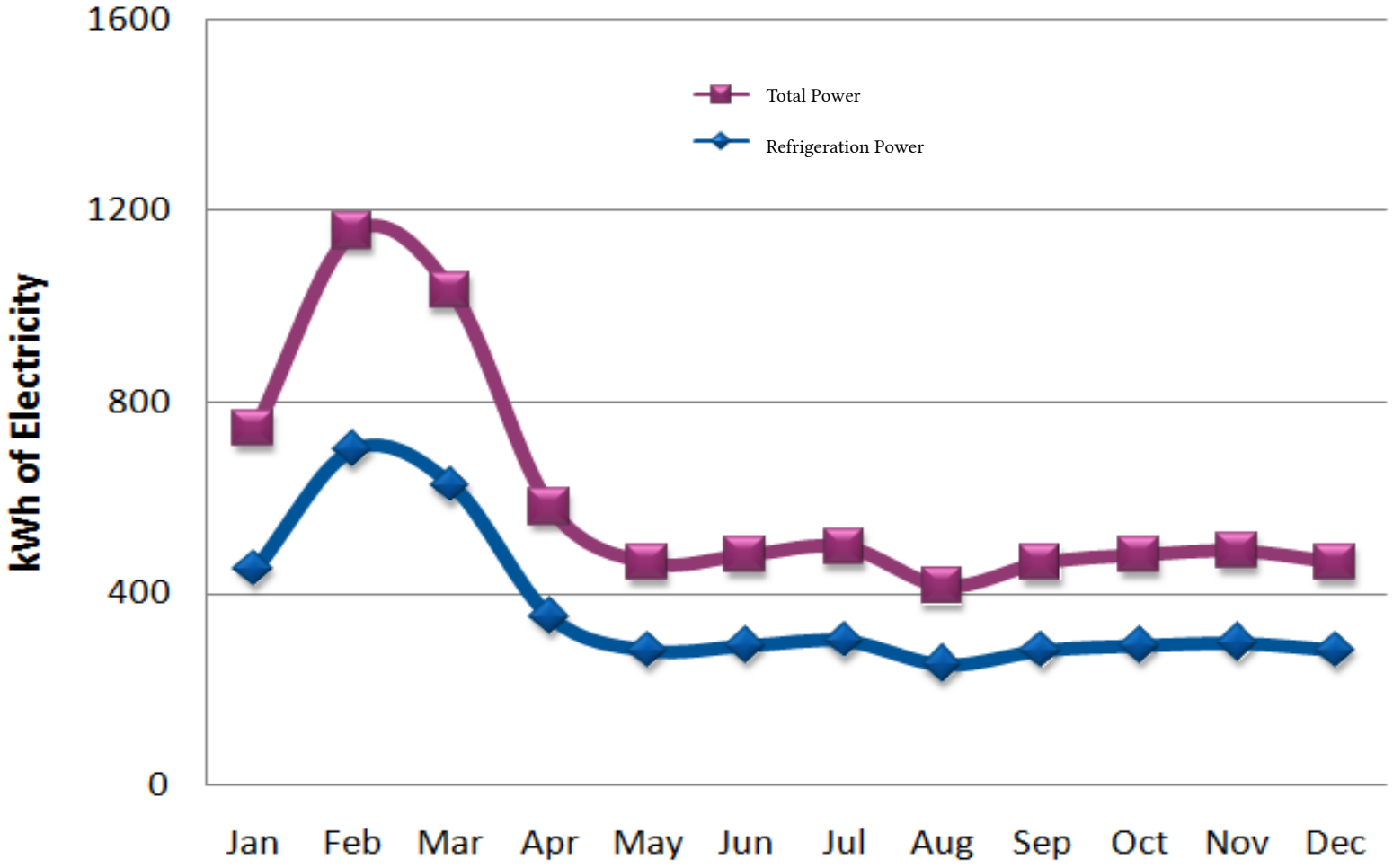
Winery Energy Use



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JUN JUL AUG SEP OCT NOV DEC JAN FEB
2007
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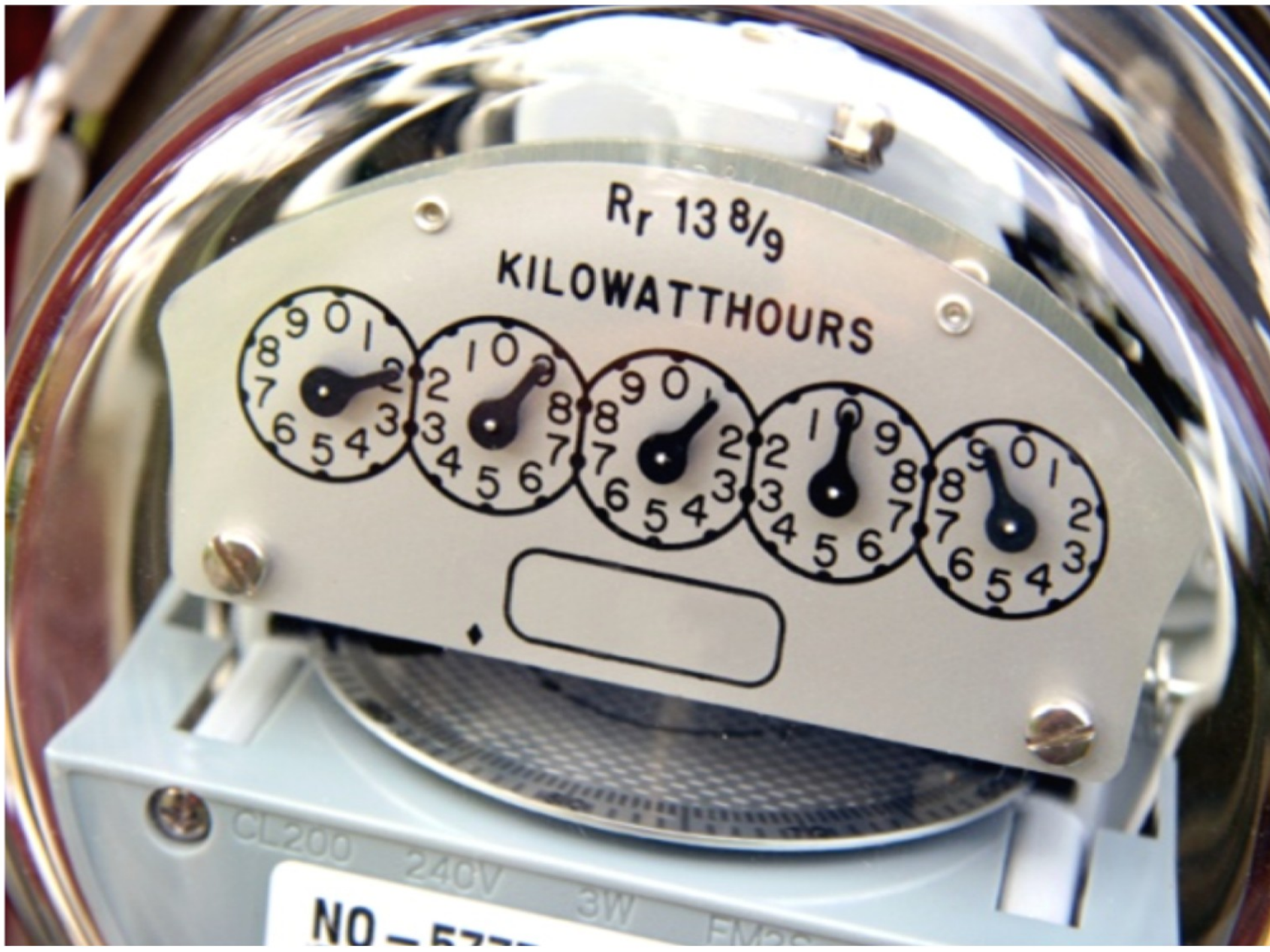
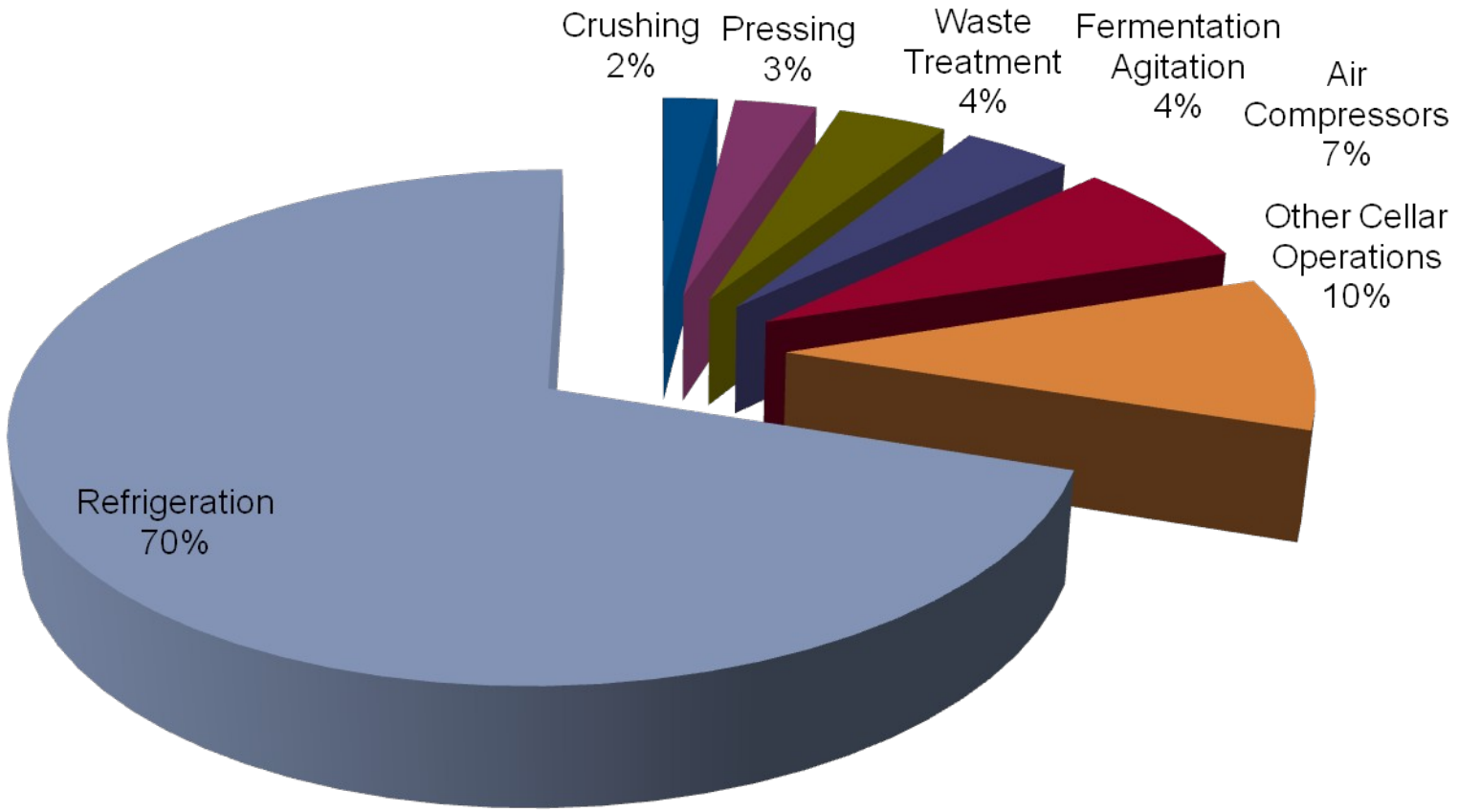
APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB
2006
2007

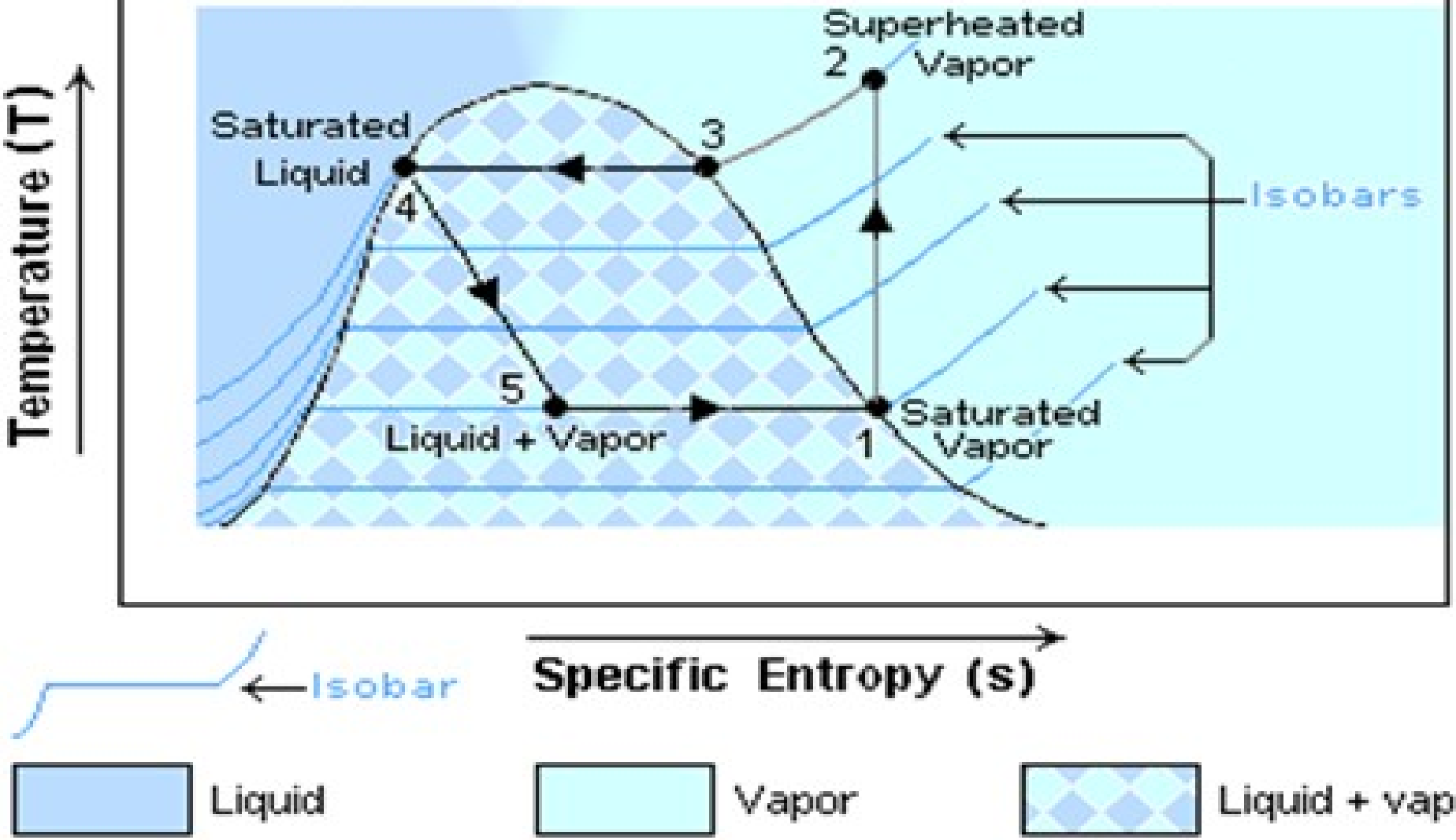

Rr 13 8/9
KILOWATTHOURS
CL200 240V 3W
NO -

Energy Breakdown



MIN MAX
RANGE
REL Δ
Hz
PEAK MIN MAX
4½ DIGITS
1 Second
OFF
A
mA μA
400mA
FUSED
10A MAX
FUSED
CAT III
1000V

1 to 2 = Compression of vapor
2 to 3 = Vapor superheat removed in condenser
3 to 4 = Vapor converted to liquid in condenser
4 to 5 = Liquid flashes into liquid + vapor across expansion valve
5 to 1 = Liquid + vapor converted to all vapor in evaporator



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