



Case Study

Client: Molson Coors

Industry: Food and drink

Services provided: Carbon Management Plan

Benefits achieved: Cost avoidance, cost reduction of up to £5.7m identified, reduced CO₂ emissions of up to 56,000te per annum, legislative compliance.

Summary

Molson Coors are the World's third largest brewer and the UK's second largest brewer producing £2.9bn of famous brands such as Carling, Cobra, Grolsch, Miller Lite, Aspell Cider and Worthington at four sites employing a total of 2,300 staff.

In recognising the opportunity that increasing emissions-related legislation and regulation together with increased energy costs presented to the business, Molson Coors wished to develop and implement an effective Carbon Management Strategy.



The energy intensive nature of the brewing process and the ambitious plans for 'world best' specific cost

performance drives the need for reliable, efficient and plentiful supplies of energy.

Approach

JRP carried out a scoping study which identified significant opportunities for improvement in the approach to carbon management around plant efficiency. The scoping study confirmed that significant value and carbon savings were available by focusing the programme implementation on four main areas of the business:

Carbon Management Policy

The first of these was around the need to develop a separate carbon policy for the business and to review other related policies and practices against this with a view to modifying existing practices where possible to save energy. The 'World-View' that Molson Coors wished to portray with regard to Carbon Management and reporting was to be considered and agreed, allowing a carbon reduction strategy to then be put into place describing how the policy was to be met, with local implementation plans covering a range of activities.

Energy & Carbon Awareness

The second area for consideration was to develop an 'energy and waste culture' across the business similar to the safety culture that already existed. Development of



plans to enable this to take place were to include:

- a branded approach showing Molson Coors commitment to assist its employees, sub-contractors and other stakeholders to minimise energy consumption at home and at work,
- development of company wide motivation and training activities.

Enduring Sustainability

The third area of activity related to the development of an effective process to ensure the ongoing development of energy and environmental continuous improvement plans to ensure long term reductions in consumptions to combat increasing energy prices and mitigate increasing legislation impacts and costs. This included a detailed review of the capital sanction process to identify if alternatives to simple payback would be more effective for Molson Coors.

Energy Efficiency Surveys

The fourth area for consideration was to develop detailed plans to enable immediate reductions in energy consumption. This included the adoption of a targeted, appropriate and cost effective application of technology in the areas of energy efficiency and renewables through to changes in behaviours and culture of the workforce. Short and longer term paybacks were considered as part of this evaluation.

Results

As well as identifying potential areas of energy saving, JRP Solutions also proposed solutions that would deliver savings in the areas of operations and maintenance (O&M) and waste. It was estimated that the work described in the study had the potential to save energy to the value of between £1.44 million and £3.8 million

per annum and displace between 11,500t and 27,300t of CO₂ each year. It was determined that this could be achieved through:

- Awareness training
- Energy improvement plans for all four sites
- Value at stake analysis
- Establishment of on-site Carbon Champions

*“Thanks very much, that hit the mark!” - Gordon Stirton,
Head of QHSE, Coors Brewery.*

If you would like to know how JRP can help you develop a carbon management plan, call 0800 6127 567 or email george.richards@jrpsolutions.com.