

Useful Carbon Information

- There are 6 greenhouse gases (GHGs) in the scope of the Kyoto Protocol.
- CO₂ accounts for 85% of the climate impact of all GHGs
- UK on track to meet Kyoto target of cutting GHG emissions by 12.5% by 2012 (base year 1990)
- To calculate carbon emissions divide CO₂ by 3.67
- UK carbon emissions are over 150 million tonnes pa, i.e. 2.5 tonnes per head
- UK carbon emissions have fallen by 6.5% since 1990
- Government plans to cut carbon emissions by 30% 1990-2020 and by 60% 1990-2050
- The Climate Change Bill will make targets for carbon reduction legally binding
- The Stern Report listed “mining and quarrying” and “concrete” in the 25 most energy intensive UK sectors (out of 123 sectors)
- QPA currently estimates that the carbon emissions of the aggregates and quarry products sector are c. 1 million tonnes pa (ie 0.7% of the UK total)

Useful Action for Businesses

QUARRY
PRODUCTS
ASSOCIATION

- Measure, monitor and review all energy use to understand energy demands
- Introduce a carbon reduction plan engaging management and staff at all levels
- Focus on high energy use activities as a priority, eg asphalt plants
- Implement general energy efficiencies, carry out site energy reviews
- Ensure regular maintenance of plant, vehicles and equipment, and that controls are working and set correctly
- Evaluate installing more efficient plant/motors
- Look for logistics efficiencies, ensure drivers are trained to drive safely and efficiently
- Consider carbon implications down the supply chain
- Consult QPA website carbon zone www.qpa.org for further information
- See other websites, eg www.carbontrust.co.uk, www.est.org.uk

