

Directors' report (continued)

Environment

The Group recognises the importance of its environmental responsibilities, monitors its impact on the environment and designs and implements systems to minimise adverse effects that might be caused by its activities. The Group operates in accordance with its publicly available environmental policy, which does not form part of this report. It adheres to the conditions detailed in all relevant environmental licences and permits and any other relevant legislation or regulations covering its activities or environmental impacts. Initiatives designed and implemented to manage and reduce the Group's environmental footprint include investigating further reductions in emissions to air and water, reducing the amount of solid waste that is sent to landfill and improving energy use and efficiency.

UK Energy use and carbon emissions

The annual quantity of emissions in tonnes of carbon dioxide equivalent resulting from activities for which the group is responsible involving the combustion of gas or the consumption of fuel for the purposes of transport was 347,310 tonnes (2020: 352,007 tonnes).

The annual quantity of emissions in tonnes of carbon dioxide equivalent resulting from the purchase of electricity by the group for its own use, including for the purposes of transport was 122 tonnes (2020: 3,827 tonnes).

The aggregate of:

- the annual quantity of energy consumed from activities for which the Group is responsible involving the combustion of gas or the consumption of fuel for the purposes of transport; and
- the annual quantity of energy consumed resulting from the purchase of electricity by the Group for its own use, including for the purposes of transport

was 1,593,068 MWh (2020: 1,608,236 MWh).

The methodology used by the group to calculate this information is the Greenhouse Gas Protocol.

The carbon emissions per tonne of Soda Ash produced were 0.79 tonnes (2020: 0.79 tonnes).

During the financial year the group has invested at its Lostock site in excess of £2m in a new compressor which will reduce the electrical intensity of the soda ash plant. This is a highly efficient unit which should also increase production. At the same time, the site has invested in a new distiller heater which will reduce steam consumption on the site and reduce the overall carbon footprint of Tata Chemicals Europe Limited's Northwich operations.

On its Winnington site, the group has commenced investment in the installation of UK's first Carbon Capture and Utilisation plant. It will capture 40,000 tonnes of CO₂ and use it to produce high grade Sodium Bicarbonate, whilst at the same time reducing site carbon emissions.

Winnington CHP Limited has also invested in a cloud-based energy metering system to measure and target energy reductions and continues to develop a digitisation project which will enable energy savings going forward. This year, digitisation has improved data-driven decision making and increased the CHP efficiency

Dividends

The directors do not recommend the payment of a dividend (2020: £nil).