

Our planet



do more
feel better
live longer

We are working hard to reduce our environmental footprint, even as we grow our business to extend the benefits of GSK products to more patients and consumers around the world.



GSK is a science-led global healthcare company that researches and manufactures a range of products to help people do more, feel better and live longer.

This factsheet provides highlights from our 2013 Corporate Responsibility Report.

Our Scope 1 and 2 carbon emissions from our operations grew slightly in 2013, although they remain 7% lower than our 2010 baseline.



Used 2% less water in our operations during 2013.

Became the first company to be awarded global certification to the Carbon Trust's Water Standard in recognition of our year-on-year reductions in operational water use globally.



The sourcing of raw materials and the complex, energy-intensive chemical processes involved in transforming them into our products accounts for around half of our value chain carbon footprint.

Over the last five years, we have been using innovative technology to reduce environmental impacts associated with manufacturing active pharmaceutical ingredients – the substances in our drugs that treat or prevent illness.

We are also making changes to the chemical processes themselves. For example, we are investing in a new process at our facility in Quality Road, Singapore, which uses enzymes in the manufacturing of amoxicillin (one of the most widely prescribed antibiotics in the world). This innovative process will significantly cut our carbon emissions by reducing cooling requirements, as well as producing less organic waste.

“I applaud GSK’s approach to minimising their environmental footprint. They are the first company worldwide to announce that all new respiratory drugs will only be launched in dry powder formulations, which have less than 10% of the global warming potential than HFA inhalers. However, GSK must maintain momentum if they are to reach their ambitious carbon targets.”

Ashley Woodcock OBE
Consultant Respiratory Physician,
University Hospital of South Manchester
Shared in Nobel Peace Prize with IPCC
and Al Gore

37

Achieved zero waste to landfill at 37 sites.

“We are focused on reducing emissions, energy and water use throughout our supply chain, which both benefits the environment and also reduces waste and cost, so that we can reinvest savings in innovation and improving access to our medicines.”

Roger Connor
President, Global Manufacturing
and Supply, GSK

Carbon

We have set ambitious targets to reduce our overall carbon footprint by 25% by 2020 (vs. 2010) and have a carbon neutral value chain by 2050.

In 2013, our Scope 1 and 2 emissions, those in our operational boundaries, were 1.83 million tonnes CO₂e, a slight increase of 0.6% compared to 2012, but a 7% reduction since 2010. The investments we made in 2013 will start to deliver further carbon emission reductions in 2014.

In 2013, our Scope 3 emissions, such as those associated with logistics, business travel and patients' use of our HFA propellant based inhalers, increased by 1.5% compared to 2012 – an overall increase of 11% since 2010.

Tackling our Scope 3 emissions continues to be a challenge, especially as our product sales continue to increase. In particular, we are looking at long term options to reduce our carbon emissions related to Ventolin whilst still meeting patient needs and preferences.

We are the only healthcare company listed in the CDP Global 500 and the CDP Performance Leadership Index.

In 2013 GSK was the only healthcare company listed in the CDP Global 500 climate change report 2013 to be ranked in the CDP Performance Leadership Index, and the CDP Disclosure Leadership Index for both our performance and the quality of our reporting.

During the year we also received the Carbon Trust's Best in Continuing Carbon Reduction award in 2013 for year-on-year reductions in emissions associated with our operations.

Water

To reduce the overall water impact associated with our products, we are working to reduce suppliers' and consumers' water use, as well as targeting reductions in our own operations.

Our target is to reduce our water impact across the value chain by 20% (vs. 2010) by 2020.

During the year we mapped our water use across our value chain. We use more than 15 million cubic metres of water a year in our operations, but this accounts for just 1% of our total water footprint. The remaining 99% of our footprint relates to water used in the rest of our value chain.

We are working with external experts to gain a better understanding of our water footprint and where our biggest impacts are. This analysis will help us develop effective programmes to meet our 2020 commitment to cut water impact by 20% across our value chain.

↓2%

In 2013, we achieved a further 2% reduction in water consumption in our operations, keeping us on track to meet our 2015 target to cut operational water use by 20% (from the 2010 baseline).

First company to be awarded global certification of the Carbon Trust's Water Standard.

First company to be awarded global certification of the Carbon Trust's Water Standard. In 2013, GSK became the first company to be awarded global certification to the Carbon Trust's Water Standard in recognition of our year-on-year reductions in water use, and the way we manage and measure water across our global operations.

Waste

In 2013, we generated 11% more waste than in 2012 as a result of business growth. During the year we sent only 6% of our total waste to landfill and 37 of our sites have now achieved zero waste to landfill – up from 34 in 2012. By 2020, we aim to halve our operational waste compared to 2010 and have zero waste to landfill.

We recognise that as our business continues to grow we need to continue our efforts to reduce waste that our sites generate. We have identified which sites are responsible for generating the majority of our waste and in 2014 we will have an increased focus on developing and implementing improvements at 4 high impact manufacturing sites in addition to our established programme to reduce waste.

Breathing life into old inhalers

GSK's inhaler recycling programme, Complete the Cycle, encourages patients to return their old inhalers to participating pharmacies, which are then sent back to us to be recycled. Not only does this reduce waste sent to landfill, it also prevents the remaining propellant in used inhalers being released as greenhouse gases as we collect it when crushing the cans to recover the aluminium.

Now established in the UK and in 31 cities in the USA, the programme has also been set up in several other markets including Australia, Chile, the Czech Republic and Hungary.

Managing other impacts

We manage a range of other important issues to reduce our overall environmental impact, in addition to our priority focus areas of carbon, water and waste.

In 2014, we began working with a dairy supplier in India to develop a secure supply of locally produced whey protein (from milk) to make Horlicks. We are now sourcing 60% of whey protein from the local supplier in India and we aim to increase the amount of locally produced whey protein we use to 85% by 2016.

'Green chemistry' aims to reduce or eliminate hazardous chemicals from the drug development and discovery process. Our Green Chemistry Performance Unit researches ways to do this. In 2013, we published a specialist guide that helps our scientists understand the environmental impact of different reagents – chemicals used to produce our medicines – and to encourage the use of lower-impact alternatives.

Our commitments

In 2012, we developed 23 forward-looking commitments across the four areas of our responsible business approach. They aim to address unmet global health needs and are aligned with our strategic priorities and our values. We report our progress against these commitments in our 2013 Corporate Responsibility Report. The commitments for Our planet cover:

- Aiming to be carbon neutral
- Reducing our water impact
- Reducing our waste
- Building sustainability in our supply chain