

# Driving emissions reduction with clean heat and renewable energy

Sustainability at AstraZeneca means harnessing the power of science and innovation, and our global reach, to build a healthy future for people, society and the planet.

The research, development and production of medicines is an energy intensive process. We are decarbonising our operations as we transition to net zero: in the UK and in the US, we will use renewable natural gas, or biomethane, to supply clean heat to our sites.

## **Ambition Zero Carbon – our science-based climate strategy**

The transition to 100% renewable energy is a key element of our flagship Ambition Zero Carbon programme, which is focused on delivering deep decarbonisation by halving the company's entire value chain footprint (Scopes 1 to 3) by 2030 and becoming science-based net zero by 2045 at the latest. We are on track to reduce GHG emissions from our global operations (Scope 1 and 2) by 98% by 2026.





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## Advancing clean heat and energy efficiencies in the UK

We have agreed a 15-year partnership in the UK with Future Biogas to establish the first unsubsidised industrial-scale supply of biomethane. This supply of green gas will power our sites in Macclesfield, Cambridge, Luton and Speke. The new biomethane plant will add renewable energy capacity to existing UK infrastructure and supply more than 100 gigawatt hours (GWh) of biomethane, equivalent to the heat needs of more than 8,000 homes.

Using crops grown locally as part of diverse crop rotations, the plant will also contribute to the development of a circular economy, supporting UK farms with sustainable land management practices.

To support the transition to clean heat, we're also investing significantly in the infrastructure of our Macclesfield campus, the largest medicines manufacturing site in the UK, to make energy efficiency improvements and further reduce emissions.



For more information, scan the QR code or [click here](#).

## Renewable heat and power in the US and beyond

In the US, we're partnering with Vanguard Renewables to transform food and beverage waste and dairy manure into renewable natural gas (RNG). The first-of-its-kind collaboration will advance our sustainable science by providing clean heat to our US sites – delivering the equivalent of the energy required to heat over 17,800 homes – so reducing our environmental footprint.

Our partnership with Vanguard Renewables is using methane which would otherwise go into the atmosphere and will produce a low carbon fertiliser, helping to enhance the sustainability of the farming sector.

In addition, in Puerto Rico, iPR Pharmaceuticals, part of AstraZeneca, has begun using Renewable Liquefied Natural Gas (RNLG) from landfill to fuel its cogeneration plant. The domestically produced RNLG helps to reduce landfill emissions by 90% and replaces fossil fuel energy sources.

In Europe, we are also transitioning to renewable energy for our electricity needs. In 2023, we entered into an agreement with Statkraft, Europe's largest renewable energy producer, to increase the supply of wind power in Sweden and committed to purchasing 200 GWh per year for ten years. Under the agreement, new wind farms will be commissioned, maximising the positive impact of our renewable energy procurement and focus on sustainable innovation.