BP: Improving our products and creating new low carbon businesses
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How to engage society and deploy decarbonisation
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Our low carbon ambitions

**Reducing emissions in our operations**
- Zero net growth in operational emissions out to 2025
- 3.5Mte of sustainable GHG emissions reductions by 2025
- Targeting methane intensity of 0.2% and holding it below 0.3%

**Improving our products**
- Provide lower emissions gas
- Develop more efficient and lower carbon fuels, lubricants and petrochemicals
- Grow lower carbon offers for customers

**Creating low carbon businesses**
- Expand low carbon and renewable businesses
- $500 million invested in low carbon activities each year
- Collaborate and invest in the Oil and Gas Climate Initiative’s $1 billion fund for research and technology

**Advancing low carbon**
Our accreditation programme for lower carbon activities
Improve - helping consumers lower their emissions

Around 80-90% of CO₂ emissions from oil and gas products are from their use by consumers

10-20% of CO₂ emissions from extraction, production and manufacturing
Improve - helping consumers lower their emissions

Carbon neutral lubricants
Our Castrol Professional lubricants - supplied to car dealerships for use in servicing cars - are certified as carbon neutral in accordance with PAS 2060.

Reducing plastic in packaging
In the US, we’ve redesigned some of our Castrol engine oil packaging to use less plastic, resulting in a reduction in CO₂ emissions of about 2,000 tonnes a year.

Lower carbon chemicals
Our PTAir, used to make items such as clothes and plastic food packaging, has a carbon footprint almost 30% lower than the average European PTA. We are also assessing technologies for producing renewable and recycled PTA.

Supplying biofuel to airports
We make jet biofuel available using existing fuelling infrastructure at Oslo and Bergen in Norway and Halmstad in Sweden.

Working with vehicle manufacturers
In Europe, Ford’s EcoBoost engines are engineered with advanced Castrol oils, to help improve fuel efficiency.

Renewable gas from food and agricultural waste
We are the largest producer of renewable gas fuel for US transport. This fuel can reduce greenhouse gas emissions by around 70% compared with gasoline or diesel-fuelled vehicles.

Offsetting emissions with our fuel cards
Customers can use our Aral and BP fuel cards in Austria, Germany, the Netherlands and the UK to offset their carbon emissions.

Jet fuel made from household waste
We are working with Fulcrum BioEnergy to supply biojet fuel at key hubs across North America.
Create – Expand low carbon and renewable businesses

- Focus on safety, predictability, optimisation and efficiency
- Partnerships and innovation
- Developing new businesses in Low Carbon Power
- Value generation in the fastest growing energy sector

Renewable FUELS

- Bio-power: 10 Mtpa biofuels industrial capacity

Renewable POWER

- Wind energy: 224 MW capacity
- Solar energy: 1.8 GW gross capacity
- Solar energy ambition: 8 GW

Renewable PRODUCTS

- Commercialising bio-isobutanol technology
Create – Venturing

Set up to identify and invest in private, high growth, game-changing technology companies, accelerating innovation across the entire energy spectrum.

Invested over $450 million in technology companies across more than 40 entities with more than 200 co-investors
Create – EV charging

Growing number of investments by BP in electric vehicle technology and infrastructure, including:

- BP Chargemaster - £130m
- Freewire – BP Ventures invests $5m
- Partnership with 66iFuel in China
Create – lightsource.bp

Investing $200m in Lightsource - Europe’s largest solar development company

Lightsource’s expertise and experience combined with BP’s relationships and resources expected to propel rapid expansion worldwide.