

bp response to the Department of Energy Security and Net Zero's Consultation on a UK low carbon hydrogen certification scheme

Summary and key points

- Hydrogen is one of bp's key Transition Growth Engines. Through this decade bp aims to build a leading position globally in hydrogen, initially supplying its own refineries, scaling up to meet growing customer demand and in parallel, as markets develop, developing global export hubs for hydrogen and its derivatives.
- By 2030 bp aims to produce between 0.5-0.7 million tonnes a year of primarily green hydrogen, and is also pursuing selected blue hydrogen opportunities.
- We welcome the UK Government's ambition to play a leading role in the setting of international standards for hydrogen certification.
- bp supports the development of certification schemes that facilitate the production and trade of low carbon hydrogen. We believe low carbon hydrogen is critical in helping to reach net zero.
- We believe that certification schemes will help demonstrate the GHG intensity and sustainability benefits of hydrogen in the energy transition.
- We believe that certification will accelerate the development of trusted markets in both low carbon hydrogen and certificates at national, regional and global levels.
- Certification schemes should initially have a primary focus on life cycle GHG emissions on a technology-agnostic (or technology neutral) 'well-to-gate' production scope and expand to cover 'well-to-grave' as methodologies are developed.
- As far as possible, there should be mutual recognition between hydrogen certification schemes, and convergence towards a common approach. We also advocate the scheme being compatible with existing UK renewable certification schemes, such as the RTFO.
- We support the government's proposal for both mandatory and voluntary fields on the certificate to provide flexibility. This should help secure mutual recognition with other hydrogen certification schemes.
- There should be a clearly defined process and timeline for developing and consulting on changes as the UK certification scheme evolves. This is needed to help provide stability for business and investors.