

## Project update

### RWE takes next steps in UK carbon capture project appointing Technip Energies and Bechtel to deliver key studies

- **Technip Energies and Bechtel are contracted to deliver pre-FEED carbon capture engineering and design studies for its proposed Stallingborough project**
- **Contract awarded as part of RWE's UK carbon capture programme**
- **Results will pave the way for submission into the Government's Carbon Capture Usage and Storage cluster sequencing process**

Swindon, 06 June 2023

RWE, the UK's leading electricity generator, has signed contracts with Technip Energies and Bechtel both leading Engineering & Technology companies, to deliver studies as part of the progression for its proposed Stallingborough Carbon Capture Combined Cycle Gas Turbine (CCGT) plant near the Humber Estuary.

The awards follow shortly after RWE [recently announced](#) plans to retrofit carbon-capture technology at its existing CCGT power stations at Pembroke and Staythorpe, and proposals for a new carbon-capture, gas-fired power station at Stallingborough. This new plant could have an installed capacity of up to 800 megawatts (MW) and be capable of powering the equivalent of one million typical UK homes.

RWE considers carbon capture and storage (CCS) to be a viable solution for helping transition its UK gas fleet operations in support of the UK's decarbonisation targets, while maintaining security of supply.

Technip Energies and its partner GE Gas Power will develop pre-FEED (Front-End Engineering and Design) studies for the proposed CCGT plant at Stallingborough, with a fully integrated carbon capture (CCS) facility. Bechtel will also complete Pre-FEED studies following a similar scope to investigate alternative technology choices.

The pre-FEED studies will address the challenges, benefits, economics, and optimal technical solutions when integrating a carbon capture facility with cutting-edge power station design.

Fiona Auty, RWE Generation Head of Technology Development, commented: "These contracts are the first of a series of awards we will be making as part of our commitment to developing

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carbon capture options in the UK. They follow on the heels of the announcement in May of RWE's ambition to develop three carbon capture projects in the UK. In order to support the UK's transition towards a net zero power sector, support security of supply and enable large scale industrial decarbonisation, it is important that clean gas generation projects are developed. We look forward to the results ahead of our submission into Track 2 Phase 2 cluster sequencing."

The Pre-FEED work is expected to complete later this year and will form part of the feasibility assessment of the Stallingborough project, with a view to entering the Department for Energy Security and Net Zero's Track 2 Phase 2 cluster sequencing process.

In addition to Stallingborough, the other projects are at RWE's existing stations at Pembroke and Staythorpe. All three are close to proposed CO2 networks or have access so shipping facilities, which would enable the CO2 to be safely transported and stored. Together, the projects would form an important part of a robust and comprehensive energy network that ensures the UK has stable and secure generation whenever it is needed.

RWE has the ambition to invest up to £15 billion in new clean technologies and infrastructure in the UK by 2030 for more information about our carbon capture projects see [here](#).

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**RWE**

*RWE is leading the way to a green energy world. With an extensive investment and growth strategy, the company will expand its powerful, green generation capacity to 50 gigawatts internationally by 2030. RWE is investing more than €50 billion gross for this purpose in this decade. The portfolio is based on offshore and onshore wind, solar, hydrogen, batteries, biomass and gas. RWE Supply & Trading provides tailored energy solutions for large customers. RWE has locations in the attractive markets of Europe, North America and the Asia-Pacific region. The company is responsibly phasing out nuclear energy and coal. Government-mandated phaseout roadmaps have been defined for both of these energy sources. RWE employs around 19,000 people worldwide and has a clear target: to get to net zero by 2040. On its way there, the company has set itself ambitious targets for all activities that cause greenhouse gas emissions. The Science Based Targets initiative has confirmed that these emission reduction targets are in line with the Paris Agreement. Very much in the spirit of the company's purpose: Our energy for a sustainable life.*

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