

The Acorn Carbon Capture and Storage Project Update – EICDataStream Information

Pale Blue Dot Energy located in North East Scotland is developing their flagship Acorn project. Acorn is designed to tackle climate change by the development of a carbon capture and storage (CCS) system; initially transporting and storing CO₂ from the St.Fergus gas terminal. It also plans to store CO₂ from other large-scale sources of emissions in the region. This project is also linked to Acorn Hydrogen which focuses on the reforming of North Sea natural gas into clean burning hydrogen, decarbonising heating in homes, industries and for other applications like transport.

UK Research and Innovation announced funding for projects in the first phase of the deployment and roadmap for decarbonisation strategies, and the Acorn CCS was one of the deployment competition winners. The six winners of the first phase can now compete for a total of up to £131million in the second phase of the competition.

Contracts Awarded

In March 2020, Costain secured the contract to provide concept design and front-end engineering design (FEED) support, including onshore gas flue gas collection, CO₂ capture integration, compression and conditioning and offshore subsea systems design including the repurposing of the Goldeneye pipeline and a new CCS hub near the Goldeneye field.

Petrofac's Engineering and Production Services (EPS) business was awarded contracts in June 2020 to provide Project Management systems and technical support during the FEED for the Acorn CCS and the concept select for Acorn Hydrogen.

Pale Blue Dot Energy recently gained financial backing from Macquarie Group to help deliver this project, and it revealed a new corporate ownership structure whereby Storegga Geotechnologies will become its new holding company, which Macquarie Group has bought a 21.5% stake in.

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