

Overview of Shell CCS projects

Simon O'Brien

Shell Canada

Abstract

Shell is involved in a number of CCS projects around the world, such as Gorgon in Australia, the Technology Centre Mongstad in Norway, or Quest in Canada. Quest is the world's first commercial application of CCS at an oil sands upgrading facility with a capture target of just over one million tonnes of CO₂ per year. It is located near Fort Saskatchewan, Alberta. It is a fully integrated CCS project as it involves all elements of the CCS chain from capture, transport and storage to monitoring of storage performance. Quest is part of a joint venture between Shell Canada Energy, Chevron Canada Limited, and Marathon Oil Canada Corporation, and is operated by Shell.

The aim of this presentation is two-fold:

- a) to provide an overview of the various CCS projects around the world that Shell is involved in and
- b) to provide an overview of the Quest CCS project.

Further information on these topics is available at the Shell Carbon Capture and Storage Projects website [1], and at the Alberta Energy Carbon Capture and Storage Knowledge Sharing Program website [2].

Acknowledgements

Funding for the Quest CCS Project from the Government of Alberta and the Government of Canada is gratefully acknowledged. Thanks go to numerous Shell and 3rd party contractors that support, have supported the Quest CCS Project.

References

[1] <http://www.shell.com/sustainability/environment/climate-change/carbon-capture-and-storage-projects.html>

[2] <http://www.energy.alberta.ca/CCS/3845.asp>