



16 December 2009

RWE npower to install CANSOLV integrated sulphur dioxide and carbon dioxide capture unit

Shell and RWE npower have contractually agreed to build a CANSOLV integrated sulphur dioxide (SO₂) and carbon dioxide (CO₂) capture pilot system at RWE npower's Aberthaw coal-fired power station in Wales.

The Cansolv system will capture 50 tonnes per day of CO₂ from a slipstream of the flue gas at Aberthaw. An innovative and regenerable amine-based technology will be used to give a high capture rate of CO₂ with optimum energy consumption.

Cansolv will design and provide the fully modularised plant that will be operational for a two-year period. Subject to planning permissions be granted, construction is expected to start **January, 2010**, with commissioning expected in the first part of 2011. It will be the first demonstration plant of its scale in the UK and RWE npower and Cansolv will work together to develop operational strategies to optimise the application of this technology for the desulphurisation and decarbonisation of flue gas from a coal-fired power plant.

The integrated CANSOLV SO₂/ CO₂ plant is an important step forward in the demonstration of carbon capture technology. It allows for combined sulphur and carbon capture techniques, with the potential to reduce energy losses through selective heat integration. The Cansolv patented technology is a highly flexible system that uses regenerable amines to selectively absorb SO₂ and CO₂ from gas streams, and is applicable to a broad range of industrial applications in addition to power plant flue gases. Shell Global Solutions acquired Cansolv Technologies Inc. in November 2008.

– ENDS –

Fiona Powell, Shell Global Solutions (UK) – telephone: +44 207 934 3800

Media Relations, Shell International Ltd – telephone: +44 207 934 2713

Notes to editors

About Cansolv

Cansolv Technologies Inc. is a global provider of state-of-the-art gas absorption solutions. Cansolv offers leading regenerable SO₂ scrubbing technology and a cutting-edge CO₂ capture technology. Cansolv continues to leverage its knowledge base to develop new and enhanced existing applications for specific pollution abatement based on the CANSOLV System platform. Cansolv Technologies Inc was acquired by Shell Global Solutions International BV, a member of the Royal Dutch Shell group, in November 2008. Find out more about Cansolv at www.cansolv.com.

Registered in England No. 539964
Registered office: Shell Centre, London SE1 7NA
Shell Global Solutions (UK) is a division of Shell Research Limited

Shell Global Solutions (UK)
Shell Technology centre Thronton
P.O. Box 1
Chester CH1 3SH
United Kingdom

Internet www.shell.com/globalsolutions

About RWE npower

RWE npower is a leading integrated UK energy company and is part of the RWE Group, one of Europe's foremost energy companies.

RWE supplies electricity and gas to residential and business customers through their retail business, npower, and operate and manage a flexible portfolio of coal, oil- and gas-fired power stations. RWE also manages a portfolio of cogeneration plant and, through RWE Power International, sells its expertise in power generation to third parties - to learn more about RWE npower, please visit www.rwe.com.

About Shell and CCS

Shell is already involved in two carbon capture and storage (CCS) demonstration projects under development in the UK. In the first, Shell is a partner in the ScottishPower led consortium, which is bidding in the UK CCS competition for government funding to separate and store CO₂ from the Longannet coal-fired power station in Fife, Scotland. If successful, Shell will provide the off-shore transport and geological storage of the CO₂.

The second, at Hatfield in Yorkshire, will demonstrate pre-combustion capture from an integrated gasifier combined cycle (IGCC) plant, using Shell's gasification technology.

Beyond these commercial scale schemes, Shell is also involved worldwide in a number of R&D efforts to develop a new generation of more efficient CO₂ capture technologies.

Global warming is a worldwide challenge, and Shell's R&D efforts are extensive with active involvement in CCS laboratory work, pilots and full scale demonstration projects from Alberta to Australia.

Disclaimer Statement

This document contains forward-looking statements concerning the financial condition, results of operations and businesses of Royal Dutch Shell plc. All statements other than statements of historical fact are, or may be deemed to be, forward-looking statements.

Forward-looking statements are statements of future expectations that are based on management's current expectations and assumptions and involve known and unknown risks and uncertainties that could cause actual results, performance or events to differ materially from those expressed or implied in these statements.

Forward-looking statements include, among other things, statements concerning the potential exposure of Royal Dutch Shell to market risks and statements expressing management's expectations, beliefs, estimates, forecasts, projections and assumptions. These forward-looking statements are identified by their use of terms and phrases such as "anticipate", "believe", "could", "estimate", "expect", "intend", "may", "plan", "objectives", "outlook", "probably", "project", "will", "seek", "target", "risks", "goals", "should" and similar terms and phrases.

There are a number of factors that could affect the future operations of Royal Dutch Shell plc and could cause those results to differ materially from those expressed in the forward-looking statements included in this announcement, including (without limitation): (a) price fluctuations in crude oil and natural gas; (b) changes in demand for the Shell Group's products; (c) currency fluctuations; (d) drilling and production results; (e) reserve estimates; (f) loss of market and industry competition; (g) environmental and physical risks; (h) risks associated with the identification of suitable potential acquisition properties and targets, and successful negotiation and completion of such transactions; (i) the risk of doing business in developing countries and countries subject to international sanctions; (j) legislative, fiscal and regulatory developments including potential litigation and regulatory effects arising from recategorisation of reserves; (k) economic and financial market conditions in various countries and regions; (l) political risks, project delay or advancement, approvals and cost estimates; and (m) changes in trading conditions.

All forward-looking statements contained in this document are expressly qualified in their entirety by the cautionary statements contained or referred to in this section. Readers should not place undue reliance on forward-looking statements. Each forward-looking statement speaks only as of the date of this announcement.

Neither Royal Dutch Shell plc nor any of its subsidiaries undertake any obligation to publicly update or revise any forward-looking statement as a result of new information, future events or other information. In light of these risks, results could differ materially from those stated, implied or inferred from the forward-looking statements contained in this announcement.