

News Releases : 2008

Work starts on-site at clean coal project

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Work has started at a Queensland coal-fired power station to ready it for a world-first demonstration of innovative 'bolt-on' technology for slashing emissions.

The \$206 million Callide Oxyfuel Project involves retrofitting CS Energy's Callide A Power Station near Biloela to enable carbon dioxide to be captured for geological storage.

Federal Resources and Energy Minister Martin Ferguson and Queensland Mines and Energy Minister Geoff Wilson today marked the milestone and launched the new project website ►www.callideoxyfuel.com.

The project will see the retrofitting of a coal-fired boiler at Callide A with oxyfuel technology so it can burn coal in a mixture of oxygen and re-circulated flue gases. This will create a highly concentrated stream of carbon dioxide (CO₂) suitable for capture and storage deep underground in geological formations west of the power station.

Speaking on behalf of the joint venture, Project Director Chris Spero said it would be the first in the world to retrofit an existing power station with this technology.

"The Callide Oxyfuel Project represents a new way to make an existing coal-fired power station produce cleaner electricity," Dr Spero said.

"Our demonstration will prove oxyfuel's suitability for application to existing and new coal-fired power stations.

"Success here at Callide A will mean that coal-fired power stations around the world do not have to be dismantled to reduce global warming."

The Callide Oxyfuel Project is a joint venture between the Australian Coal Association, CS Energy, Xstrata Coal, Schlumberger, and Japanese participants, JPower, Mitsui & Co. and IHI Corporation. The project has also received financial support from the Federal and Queensland governments.

The oxyfuel combustion process, first conceived in Japan in 1974, has been tested in small-scale projects in Japan, the USA the UK and Europe. There are other oxyfuel demonstration projects elsewhere in the world, but the

Callide Oxyfuel Project is the first to 'bolt-on' the CO2 capture technology to an existing power station and at a larger scale.

Callide Oxyfuel Project Fast Facts

Location	Callide A Power Station, outside Biloela in central Queensland
Size	1 x 30MW unit
Cost	\$206 million
Emissions reduction	Approximately 90 per cent of Callide A's CO2 emissions
Timeframe	Plant refurbishment - underway Construction of clean coal sections of plant - 2010 Demonstration phase - 2011 for five years

For more information on the project, visit www.callideoxyfuel.com.

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