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Meeting the climate change challenge

New hope for brown coal?

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The hunt for the holy grail of brown coal power generation is set to head to Japan, where a "world-first" trial will run 20 tonnes of Latrobe Valley coal slurry through a large diesel engine. Coming as part of the Brown Coal Innovation Australia's latest competitive funding round for low emission generation technology, worth \$2.45 million, the CSIRO's 'Direct Injection Carbon Engine' research has secured a further \$1 million to push the project toward a new three-year program. The DICE technology injects a water-based coal slurry directly into large adapted diesel engines for electricity generation and is hoped to reduced carbon emissions by 50 per cent from the Valley's existing power stations. Emerging as somewhat of a poster child for new coal technologies, Federal Environment Minister Greg Hunt last October used DICE's potential to justify his view the Valley's power industry could halve its carbon emissions in 10 years.

Topics: [Technology](#) [Oxy-fuel combustion](#) [Chemical looping process](#) [Research and development](#)

Location: [Japan](#), [Australia](#)

Source: <http://www.globalccsinstitute.com/institute/news/new-hope-brown-coal>