

WHAT IS COAL SEAM GAS?

Coal seam gas (CSG) is a naturally occurring gas found in coal seams hundreds of metres beneath the earth's surface.

CSG, like conventional natural gas, is comprised mostly of methane (CH₄) and is a type of petroleum that was formed from the compressed remains of plants over millions of years.

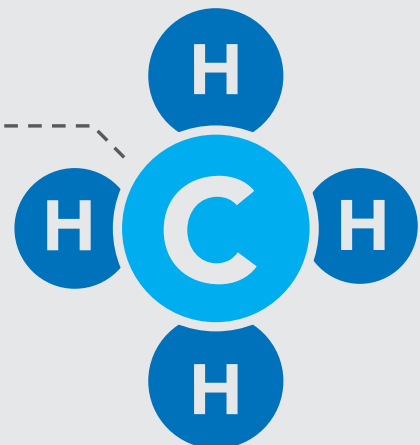
Coal seam and natural gas make up the gas supply piped into more than one million homes and businesses in NSW for use in everyday cooking, heating and manufacturing.

In fact, over 30 per cent of the eastern Australian gas network is fed by coal seam gas.

CSG is used to generate electricity in gas-fired power stations as a low emission alternative to electricity produced from coal.

Ten gases that make up clean, unpolluted air:

Nitrogen (N ₂)	78.084%
Oxygen (O ₂)	20.946%
Argon (Ar)	0.934%
Carbon Dioxide (CO ₂)	0.0383%
Neon (Ne)	0.001818%
Helium (He)	0.000524%
Methane (CH ₄)	0.000179%
Krypton (Kr)	0.000114%
Hydrogen (H ₂)	0.000055%
Xenon (Xe)	0.000009%



COAL SEAM GAS FACT SHEET

“ Coal seam gas is a naturally occurring gas. ”



In Australia, the major CSG resources are found in Queensland's Bowen and Surat Basins, in NSW in the Gunnedah, Gloucester and Sydney basins, and on the NSW-Queensland border in the Clarence-Moreton basin.

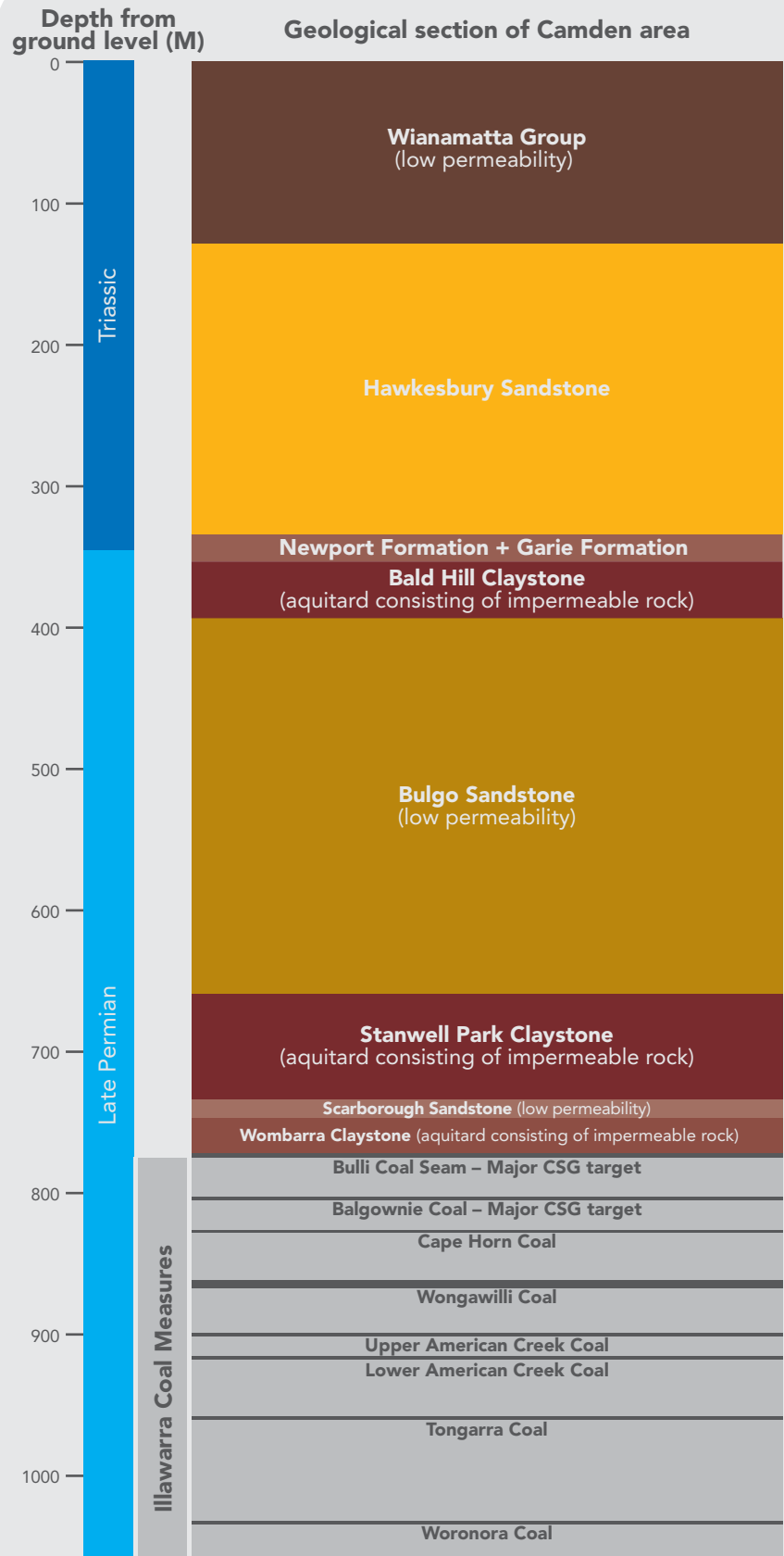
CSG is part of the gas supply used in Australian homes and industry, and is becoming increasingly important in the nation's energy market as Australia moves to a lower carbon economy.

CSG has been safely produced in Australia since commercial production began in central Queensland in 1996. For more than 10 years, the Camden Gas Project has been operating successfully in south-western Sydney.

Australian CSG producers have become international leaders in world-best practice technologies and production and the NSW Government has introduced some of the toughest regulations in the world to safeguard the health of communities and protect the State's valuable land and water resources.



AGL's Camden Gas Project



(Expected depth to the base of the Sydney Basin is more than 2000m)