

Arrow Energy has provided Queensland with cleaner energy from coal seam gas (CSG) from the Moranbah Gas Project in the Bowen Basin since 2004. Arrow presently supplies around 20 per cent of Queensland's gas from five CSG fields in the Bowen and Surat basins, most of which is used to generate electricity.

Arrow proposes expanding its Bowen Basin CSG operations through the Bowen Gas Project. The expansion will help meet growing domestic and global demand for gas.

This fact sheet summarises key impact assessments and findings of the Bowen Gas Project Environmental Impact Statement (EIS).

How to read and respond to the EIS >

Bowen Gas Project

Guide to the EIS >

What is an Environmental Impact Statement (EIS)?

An EIS is a document that reports the findings of the assessment of potential environmental, social and economic impacts of a proposed development and outlines measures to manage or control the identified impacts. The EIS will inform a decision on whether the project should proceed and, if so, under specified conditions.

The objective of an EIS is to ensure proponents, such as Arrow Energy, have fully examined and addressed all direct and indirect environmental, social and economic impacts of a proposed project. It is a comprehensive document that provides for:

- **affected and interested persons and organisations:** a basis of understanding of the proposal, environmental and social values, impacts that may occur and measures to be taken to avoid or mitigate adverse impacts
- **government agencies and decision makers:** a framework for assessing the potential impacts of the proposed project in view of government policy and legislative requirements. The purpose of the EIS is to propose management measures to address the identified impacts, which are considered by relevant government agencies in setting the conditions of approval
- **the proponent (Arrow):** a mechanism to establish environmental protection objectives, control measures and strategies to be implemented throughout the design construction, operations and decommissioning phases of the project, that will minimise the potential for adverse impacts to be realised and enhance opportunities for beneficial outcomes.



The Bowen Gas Project EIS

Arrow proposes to expand its coal seam gas operations in the Bowen Basin of Queensland. The Bowen Gas Project EIS has been prepared as the statutory basis for the environmental and social impact assessment of the project under Chapter 3 of the *Environmental Protection Act 1994* (Qld) (EP Act) and s. 133 of the *Environment Protection and Biodiversity Conservation Act 1999* (C'wlth) (EPBC Act).

Guide to reading the EIS



The Bowen Gas Project EIS comprises an executive summary and eight volumes.

The executive summary provides a broad overview of the EIS including a description of the proposed project and key findings of the EIS. The main report describes the project (need, components, construction and operation methods) and presents the findings of the various technical studies commissioned to assess the potential impacts of project activities. The technical studies are presented in the EIS appendices. The table opposite provides a comprehensive guide to the EIS documentation.

Bowen Gas Project EIS documentation

Component	Title
Executive Summary	
Executive Summary	Executive Summary
EIS main report	
Main Report	Arrow Bowen Gas Project Environmental Impact Statement
Supporting Studies	
Appendix A	Final Terms of Reference
Appendix B	Cross Reference with Final Terms of Reference
Appendix C	Study Team
Appendix D	EIS Commitments Summary
Appendix E	Arrow HSE Policy
Appendix F	Consultation Report
Appendix G	Ecologically Sustainable Development
Appendix H	Air Quality Technical Report
Appendix I	Greenhouse Gas Technical Report
Appendix J	Contaminated Land Technical Report
Appendix K	Soils and Land Suitability Technical Report
Appendix L	Groundwater and Geology Technical Report
Appendix M	Groundwater Model Technical Report
Appendix N	Surface Water Technical Report
Appendix O	Aquatic Ecology Technical Report
Appendix P	Terrestrial Ecology Technical Report
Appendix Q	Land use and Tenure Technical Report
Appendix R	Road and Transport Technical Report
Appendix S	Noise and Vibration Technical Report
Appendix T	Economic Technical Report
Appendix U	Social Technical Report
Appendix V	Social Impact Management Plan
Appendix W	Indigenous Cultural Heritage Technical Report
Appendix X	Non-Indigenous Cultural Heritage Technical Report
Appendix Y	Preliminary Hazard and Risk Technical Report
Appendix Z	Draft Environmental Management Plan
Appendix AA	Coal Seam Gas Water and Salt Management Strategy
Appendix BB	Constraints Mapping
Appendix CC	Matters of National Environmental Significance
Appendix DD	Draft Environmental Offset Strategy
Appendix EE	Stygofauna Assessment

Viewing or obtaining a copy of the EIS

The EIS will be available for public review for 30 business days, starting Monday 11 March 2013 through to Tuesday 23 April 2013. Hard copies of the Bowen Gas Project EIS can be viewed during business hours at the following locations:

Brisbane Department of Environment and Heritage Protection Floor 3, 400 George Street Brisbane QLD 4000	Canberra Department of Sustainability, Environment, Water, Population and Communities Central Library Ground Floor John Gorton Building King Edward Terrace Parkes ACT 2600	Mackay Department of Environment and Heritage Protection 22-30 Wood Street Mackay QLD 4740
Blackwater Blackwater Library Wey Street Blackwater QLD 4717	Duaringa Duaringa Library Elizabeth Street Duaringa QLD 4712	Middlemount Middlemount Library Middlemount Shopping Mall Middlemount QLD 4746
Bluff Bluff Library 6 Church Street Bluff QLD 4702	Dysart Dysart Library Council Premises Shannon Crescent Dysart QLD 4745	Moranbah Moranbah Library Grosvenor Complex Batchelor Parade, Town Square Moranbah QLD 4744
Bowen Bowen Customer Service Centre 7 Herbert Street Bowen QLD 4805	Emerald Department of Environment and Heritage Protection 99 Hospital Road Emerald QLD 4720	Moranbah Arrow Energy Community Information Centre 15 Town Square Avenue Moranbah QLD 4744
Clermont Clermont Library Cnr Karmoo and Herschel Streets Clermont QLD 4721	Emerald Emerald Library 44 Borilla Street Emerald QLD 4720	Nebo Nebo Library 10 Reynolds Street Nebo QLD 4742
Collinsville Collinsville Customer Service Centre Cnr Stanley and Conway Streets Collinsville QLD 4804	Glenden Glenden Library Town Centre Ewan Drive Glenden QLD 4743	Proserpine Proserpine Customer Service Centre 3-85 Main Street Proserpine QLD 4800

EIS documentation can also be obtained:

- via download from Arrow's website at www.arrowenergy.com.au
- viewing an online book format through Arrow's website at www.arrowenergy.com.au
- on DVD by contacting 1800 038 856 (free call) or emailing bowengas@arrowenergy.com.au

Hard copies can also be ordered by phone or email at a cost.

Making a submission on the EIS

Persons wishing to comment on the EIS are invited to make submissions by close of business on Tuesday 23 April 2013 to:

The Chief Executive
 Attention: The EIS Coordinator
 (Arrow Bowen Gas Project)
 Statewide Impact Assessments
 Department of Environment and Heritage Protection
 GPO Box 2454, Brisbane QLD 4001
 or by email to eis@ehp.qld.gov.au

A properly made submission is one that:

- is written and signed by or for each person (signatory) who made the submission
- states the name and address for each signatory
- is made to the Chief Executive of the Department of Environment and Heritage Protection
- is received on or before the last day of the submission period.

Please note it is a statutory requirement for all submissions to be forwarded to Arrow for consideration and provision of a response to the Queensland Department of Environment and Heritage Protection.

For any queries regarding the EIS process please contact the EIS Coordinator on 13 QGOV (137 468) or email eis@ehp.qld.gov.au

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