## Appendix 6 Departmental briefings

<table>
<thead>
<tr>
<th>Date</th>
<th>Presenters</th>
<th>Description</th>
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<tbody>
<tr>
<td>DARWIN, NT</td>
<td>NT Department of Primary Industry and Resources</td>
<td>Presentation on Northern Territory gas resources, basins and energy demand.</td>
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<tr>
<td>8 December 2016</td>
<td>Mr Alister Trier, Chief Executive Officer</td>
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<td></td>
<td>Mr Ian Scrimgeour, Director, Northern Territory Geological Survey</td>
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<td></td>
<td>Ms Madeline Richardson, Chief Executive</td>
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<td></td>
<td>Mr John Phalen, Director, Engagement</td>
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<td></td>
<td>Department of State Development</td>
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<td></td>
<td>South Australian Government</td>
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<td></td>
<td>Mr Barry Goldstein, Executive Director, Energy Resources Division</td>
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<td></td>
<td>Mr Michael Malavazos, Director, Engineering Operations, Energy Resources Division</td>
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<tr>
<td>DARWIN, NT</td>
<td>NT Department of Environment and Natural Resources</td>
<td>Presentation on water, focussing on climate change and major aquifers in the Northern Territory.</td>
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<tr>
<td>8 February 2017</td>
<td>Mr Des Yin Foo, Director, Water Assessment</td>
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<td></td>
<td>Department of the Environment and Energy Australian Government</td>
<td>Presentation on bioregional assessments.</td>
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<td></td>
<td>Mr Anthony Swirepik, Director, Bioregional Assessments, Office of Water Science</td>
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<td></td>
<td>Department of Natural Resources and Mines Queensland Government</td>
<td>Presentation on the Queensland experience with unconventional gas, focussing on land access issues and the Gasfields Commission.</td>
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<td></td>
<td>Mr Bill Date, Chief Inspector, Petroleum and Gas Inspectorate</td>
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<td></td>
<td>Mr Ian Heiner, A/Executive Director, Coal Seam Gas Compliance Unit</td>
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<tr>
<td>DARWIN, NT</td>
<td>NT Department of Primary Industry and Resources</td>
<td>Presentation on technical overview of hydraulic fracturing for shale gas.</td>
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<tr>
<td>9 February 2017</td>
<td>Mr Jop van Hattum, Senior Director, Petroleum Technology and Operations</td>
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<tr>
<td></td>
<td>NT Department of the Chief Minister</td>
<td>Presentation on the economy of the Northern Territory.</td>
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<td>Ms Jodie Ryan, Chief Executive Officer</td>
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<tr>
<td>DARWIN, NT</td>
<td>NT Department of Primary Industry and Resources</td>
<td>Presentation on the Petroleum Act and the Petroleum Environment Regulations.</td>
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<tr>
<td>11 March 2017</td>
<td>Mr Jop van Hattum, Senior Director, Petroleum Technology and Operations</td>
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<tr>
<td>BRISBANE, QUEENSLAND</td>
<td>Queensland Gasfields Commission</td>
<td>Presentation on the Commission’s powers and functions.</td>
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<tr>
<td>17 July 2017</td>
<td>Ms Ruth Wade, Commission Chair</td>
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<td></td>
<td>Ms Carolyn Collins, General Manager</td>
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<td>Mr Liam Jeory, Policy and Engagement Director</td>
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<td>Mr Murray Cornish, Communications Director</td>
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<td></td>
<td>Gas Industry Social and Environmental Research Alliance (GISERA)</td>
<td>Presentations on community wellbeing and resilience.</td>
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<td>Dr Damian Barrett, Research Director, Onshore Gas (Energy Business Unit)</td>
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<td>Mr Dan O’Sullivan, Deputy Director</td>
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<td>Dr Andrea Walton, Research Scientists (Social Science), CSIRO</td>
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<td></td>
<td>Dr Rod McCrea, Research Scientists (Social Science), CSIRO</td>
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<td>Date</td>
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<td>18 July 2017</td>
<td><strong>CSIRO/GISERA</strong>&lt;br&gt;Dr Damian Barrett, Research Director, Onshore Gas (Energy Business Unit)</td>
<td>Presentation on the Beetaloo Basin Water Study quantifying baseline characteristics of groundwater within the Beetaloo Sub-basin.</td>
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<td><strong>NT Department of Environment and Natural Resources</strong>&lt;br&gt;Ms Karen Avery, Executive Director, Environment Policy and Support</td>
<td>Presentation on the Northern Territory environmental reform agenda.</td>
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<td><strong>CANBERRA, AUSTRALIAN CAPITAL TERRITORY</strong></td>
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<td>19 July 2017</td>
<td><strong>Department of Industry, Innovation and Science Australian Government</strong>&lt;br&gt;Mr Bruce McCleary, General Manager, National Radioactive Waste Management Taskforce&lt;br&gt;Mr Angus Cole, Manager, Community Consultation, National Radioactive Management Taskforce</td>
<td>Presentation on the Radioactive Waste Management Project community consultation and engagement.</td>
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<td><strong>Department of the Environment and Energy Australian Government</strong>&lt;br&gt;Mr John Higgins, Director, Knowledge and Technology Division&lt;br&gt;Mr Matthew Whitfort, Assistant Secretary, Knowledge and Technology Division&lt;br&gt;Mr Andrew McNee, Assistant Secretary, Environment Standards Division</td>
<td>Presentation on human health risks, environmental exposure conceptualisation and environmental risks of chemicals used in coal seam gas extraction.</td>
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<td><strong>Department of the Environment and Energy Australian Government</strong>&lt;br&gt;Mr Anthony Swirepik, Director, Knowledge and Technology Division&lt;br&gt;Mr Matthew Whitfort, Assistant Secretary, Knowledge and Technology Division</td>
<td>Presentation on combined geological and bioregional resource assessments.</td>
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<td><strong>Department of the Environment and Energy Australian Government</strong>&lt;br&gt;Ms Gayle Milnes, Assistant Secretary, Domestic Emissions Reduction Division&lt;br&gt;Mr Rob Sturgiss, Assistant Secretary, International Climate Change and Energy Innovation Division</td>
<td>Presentation on Australia’s current emissions data, its emissions reductions target and whether the supply of high-quality gas to the east coast could assist in meeting this target.</td>
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<td><strong>Department of the Environment and Energy Australian Government</strong>&lt;br&gt;Mr Brenton Philp, Assistant Secretary, Energy Division&lt;br&gt;Mr Dwayne Purdy, Director, Energy Division</td>
<td>Presentation on the National Energy Policy, including energy security issues, the role of gas and the National Electricity Market, the Northern Gas Pipeline and future opportunities.</td>
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<td>24 July 2017</td>
<td><strong>Department of Natural Resources and Mines Queensland Government</strong>&lt;br&gt;Mr Warwick Squire, Acting Executive Director, Coal Seam Gas Compliance Unit, Mineral and Energy Resources&lt;br&gt;Mr Lyall Hinrichsen, Acting Executive Director, Resources and Energy Policy&lt;br&gt;Mr David Rynne, Chief Economist&lt;br&gt;Mr David Wisker, Executive Director, Water Policy&lt;br&gt;Mr Keith Phillipson, Director, Office of Groundwater Management&lt;br&gt;Mr Jon Thomas, Manager, Petroleum Assessment Hub&lt;br&gt;Dr Steven Ward, Acting Manager, Coal Seam Gas Compliance Unit&lt;br&gt;Mr Peter Lee, Executive Petroleum Inspector, Petroleum and Gas Inspectorate&lt;br&gt;Mr Hamish Butler, Director, Petroleum and Gas Unit&lt;br&gt;Department of Environment and Heritage Protection Queensland Government&lt;br&gt;Mr Mark Venz, Executive Director, Petroleum, Gas and Compliance</td>
<td>Presentation on recent gas exploration and infrastructure development and its economic contribution to the State. Information was provided on gas sector policy and the legislative framework, particularly with regard to petroleum and gas tenures, land access, water policy and planning and groundwater impact assessment. Presentation by the Department of Environment and Heritage Protection, which administers the Environmental Protection Act 1994 (Qld) on environmental policy, regulation, compliance and enforcement in Queensland.</td>
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<td><strong>BRISBANE, QUEENSLAND</strong></td>
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| 28 July 2017       | CSIRO/GISERA  
Dr Damian Barrett, Research Director, Onshore Gas (Energy Business Unit)  
Mr Dan O’Sullivan, Deputy Director, GISERA  
Dr Neil Huth, Lead Researcher, Agriculture and Food, CSIRO  
Dr Sarah Lawson, Senior Research Scientist, Reactive Gases Team Leader, Oceans and Atmosphere, CSIRO  
Dr Melita Keywood, Research Scientist, Oceans and Atmosphere, CSIRO  
Dr Cameron Huddleston-Holmes, Senior Research Scientist, Energy, CSIRO  
Mr James Kear, Research Team Leader, Hydraulic Fracturing, CSIRO  
Department of Natural Resources and Mines  
Queensland Government  
Dr Sanjeev Pandey, Acting General Manager, Office of Groundwater Impact Assessment | Presentations on scientific research in respect of communities living in gas development regions. Topics included groundwater and surface water management, biodiversity, land management and socioeconomic impacts. Technical presentations were provided on hydraulic fracturing technologies and well decommissioning. |
| **ADELAIDE, SA**                                                                                               |                                                                                                                                                                                                             |
| 7 September 2017   | Department of State Development  
South Australian Government  
Barry Goldstein, Executive Director, Energy Resources Division  
Department of the Premier and Cabinet  
South Australian Government  
Michael Malavazos, Director, Engineering Operations, Energy Resources Division | Overview of South Australia’s approach to best practice for upstream petroleum industry regulation with regard to the Petroleum and Geothermal Energy Act 2000 (SA).  
The approach to monitoring compliance of regulated activities and surveillance classifications were discussed. |
| **VICTORIA, CANADA**                                                                                           |                                                                                                                                                                                                             |
| 22 December 2017   | BC Oil and Gas Commission  
Ken Paulson, Executive Vice President, Chief Operating Officer  
Graham Currie, Executive Director, Public and Corporate Relations  
Sean Curry, Executive Director, Resource Development and Environment | An overview of various aspects of the regulation of onshore shale gas activities in their jurisdiction, and the structure and functioning of the Commission. |
| **CONFERENCE CALL**                                                                                           |                                                                                                                                                                                                             |
| 23 February 2018   | Newfoundland & Labrador Hydraulic Fracturing Review Panel  
Professor Ray Gosine, Chair | Discussion about the content and process of the Newfoundland & Labrador Review, including the timing of the implementation of the recommendations. |