Review of the opportunities recognised to date

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Review of Progress

• Roundtable now covers onshore and offshore oil and gas projects.
• Most of the recommendations identified in the 2012 Roundtable have either been implemented or are underway.
• Time to take stock / undertake a SWOT analysis
  – Revisit / re-prioritise existing issues
  – Identify emerging or trending issues

• Brief review of work achieved since last Roundtable (December 2016).
Training (working group #1)

Onshore Petroleum Centre of Excellence
Infrastructure (working group #2)
Supplier Forum (working group #6)

Source: Ensign Energy
Gaseous fuels (working group #7)

Source: Condor Energy
A major initiative under way through the COAG Gas Supply Strategy is seeking to deliver significant reductions in red tape to facilitate consistent, efficient and good practice regulation across all jurisdictions through engaging all onshore and offshore regulators and the oil and gas industry to deploy consistent good industry practice standards across all Australian jurisdictions.

To have your input into how this initiative evolves, I encourage those of you who are interested to participate in the Regulation/Red Tape Reduction breakout table facilitated by Will Hughson.
Data and Information Sharing (working group #8)

The Facts about natural gas and fracture stimulation in South Australia

The Facts about offshore oil and gas exploration in South Australia

Petroleum Exploration in the Great Australian Bight

KEY POINTS
1. Petroleum exploration in the Great Australian Bight (GAB) region has been undertaken without impact on sensitive environments since the late 1970s.
2. The cooperation of the Government and industry has enabled a complementary approach to enhance regional and national wealth from the discovery and production of oil and gas.
3. The National Offshore Petroleum Safety and Environmental Management Authority (NOSM) has implemented regulatory frameworks to ensure safety, compliance, and environmental management for offshore petroleum operations in Commonwealth waters.
4. The South Australian Government has a robust framework to regulate offshore oil and gas activities in Commonwealth and western South Australia, in collaboration with the Commonwealth Government.
5. The role of PEPS in supporting Petroleum Exploration and Production is critical in ensuring that a framework is in place to support the development of petroleum resources.
6. The Petroleum Exploration and Production System (PEPS) is a tool developed by the Department of Environment and Natural Resources (DENR) in South Australia to manage and monitor the exploration and production of oil and gas.
7. The system enables stakeholders to access and manage information related to petroleum exploration and production activities in South Australia.

Petroleum and Geothermal Information

PEPS: Petroleum Exploration and Production System

Gas and Oil in Unconventional Reservoirs in the South East of South Australia

KEY POINTS
1. There has been significant stimulation (commonly referred to as “fracking”) to date in the South East of South Australia, with a proposal made to governmental for further stimulation in this region.
2. The existing regulatory framework for the upstream petroleum industry in South Australia, administered by the Department of Environment and Natural Resources (DENR), continues to ensure the protection of natural, social, and economic environments, including public health.
3. The South Australian Government requires robust and effective regulatory frameworks to ensure the safe and responsible development of petroleum resources in the South East.
4. Fracture stimulation will not be permitted in the South East of South Australia unless a proposed plan demonstrates commitment to EMH and that it will not be detrimental to the environment.
5. The Petroleum Exploration and Production System (PEPS) is a tool developed by the Department of Environment and Natural Resources (DENR) in South Australia to manage and monitor the exploration and production of oil and gas.
6. The system enables stakeholders to access and manage information related to petroleum exploration and production activities in South Australia.
7. The system facilitates communication and collaboration among stakeholders, including government agencies, industry representatives, and the public, to ensure the responsible development of petroleum resources.
Cooper Basin Regional Petroleum Prospectivity Study

Collaborative study involving Geoscience Australia, SA Dept of State Development and QLD Dept of Natural Resources and Mines that commenced in 2013 to initially provide datasets to underpin USGS assessment of the Cooper Basin conventional and unconventional oil and gas resources. The study was completed in early 2016.

USGS Resource Assessments

Conventional

In May 2016, the United States Geological Survey (USGS) completed an assessment of the undiscovered technically recoverable conventional oil and gas resources of the entire Cooper and Eromanga basins and determined a mean total of 68 million barrels of oil, 964 BCF of gas and 19 million barrels of natural gas liquids.

https://pubs.er.usgs.gov/publication/fs20163028
USGS Resource Assessments

Unconventional

In July 2016, the USGS completed an assessment of the technically recoverable continuous oil and gas resources of the entire Cooper and Eromanga basins and determined a mean total of 482 million barrels of oil, 27.8 TCF of gas and 80 million barrels of natural gas liquids.

https://pubs.er.usgs.gov/publication/fs20163050
In preparation of new transient groundwater model for GAB:

- Update C,P,Z seismic horizons
- Update of intra GAB structural surfaces (where possible avoid duplication of effort if already held by Industry)
- Acquire and collate poro/perm data
- Acquire company water pressure and salinity data
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Breakout discussion to review Roundtable action items

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Break Out Groups – 45 minutes

• Undertake a SWOT analysis.
• Seven tables arranged for key topic areas
• More can be split out as needed.
  – Training (Merril Kirk)
  – Supply Chain (Gavin Asikas)
  – Infrastructure (Nick Panagopoulos)
  – Regulation / Red Tape Reduction (Will Hughson)
  – Consultation and engagement, knowledge sharing (Damian Barrett)
  – Water (Tony Hill)
  – Petrochemicals and gas for transport (Barry Goldstein)
Break Out Groups

• Follow up session will provide some feedback from each group.
• Facilitator to gain consensus on the top 3 issues identified by the group and briefly speak on those.
• All issues identified and discussed by the groups will be collated and compiled into an updated Recommendations list
• The new Recommendations list will be circulated for review and ranking by the Roundtable.
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Feedback from Break Out Groups – 30 minutes

• Facilitator to gain consensus on the top 3 issues identified by the group and briefly speak on those.
• All issues identified and discussed by the groups will be collated and compiled into an updated Recommendations list.
• The new Recommendations list will be circulated for review and ranking by the Roundtable.