Roundtable for Oil and Gas in SA
Breakout Session

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SOUTH AUSTRALIA

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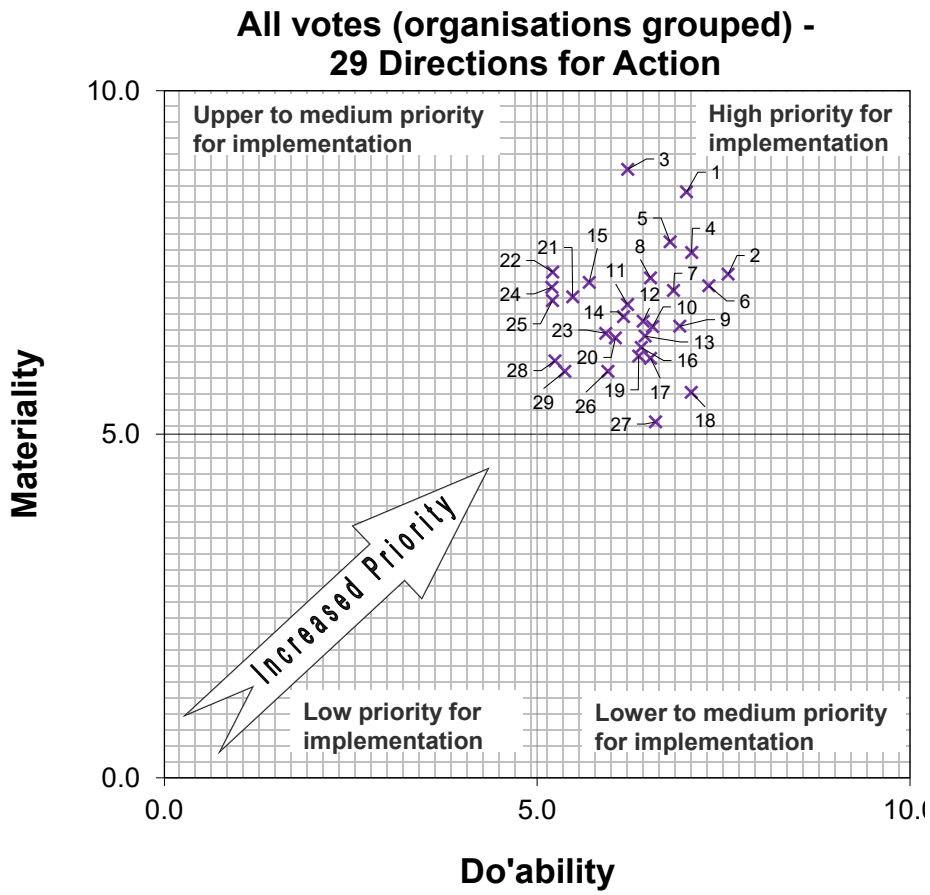
Department for Energy and Mining

Oil and Gas in South Australia
Key strategies leading to priority outcomes

Development of directions

- 464 opportunities identified from 2012 to YE 2019.
- 29 directions for action were distilled by the Department for Energy and Mining (DEM).
- Preliminary ranking from DEM (materiality vs. do'ability), followed by ranking from Roundtable members.
- Results published Q4 2020.



Status of 29 Directions

- 20 directions in progress, actioned and/or completed over the last 12 months.
- Limited action possible on 3 directions due to COVID-19 impacts.
- Roundtable to consider whether industry is best placed to drive 6 directions.

Progress summary – 7/12/2021

Red = notable progress **Blue = consider industry driven**

Updated Rank	Direction Synopsis	Groups	Status
1	Improve roads / rail / air transport to and from the Cooper Basin e.g. seal / weather-proof the Strz Track, ring roads within the Cooper Basin and optimise rail and air transport links	Investment	In progress. Refer to DIT Roundtable presentation.
2	Continuous improvement to attain leading practice legislation and regulation	Investment and Environment	Ongoing, a core focus of DEM-ERD.
3	Attract oil and gas exploration and appraisal investment	Investment	Ongoing, a core focus of DEM-ERD.
4	Enable carbon capture and storage technologies	Investment and Environment	In progress. Refer to Cooper Basin JV Roundtable presentation.
5	Add to oil and gas pipeline capacity and interconnection e.g. from Otway to all of SE Australia via SEA Gas pipeline, pipeline connecting Moomba to the NT (Amadeus, Beetaloo), etc.	Investment	Studies undertaken, next step depends on industry/market demand.
6	Attain leading practice pace of and optimised decommissioning of infrastructure regulated under the PGE Act	Investment and Environment	Complete. Policy implemented July 2020.
7	Improve data and information accessibility	Investment	Ongoing. Restructured and improved DEM-ERD website launched Dec 2020.
8	Foster Joint ventures for Joint Ventures to share equipment, crews, facilities within a basin (ex. gas processing plants), employee training, employee inductions across basins	Investment	Roundtable to consider whether industry best placed to drive this.
9	Communicate answers to frequently asked questions (FAQs) that foster objective-based public perceptions of the petroleum industry	Investment	Ongoing. Refer Fast Facts on DEM-ERD website
10	Advance evermore sustainable practices for petroleum operations	Investment and Environment	Ongoing.

Updated Rank	Direction Synopsis	Groups	Status
11	Continue / expand world-class training for the oil and gas industry workforce from secondary through tertiary (incl post graduate) including vocational skills	Investment	Ongoing. OPCE underutilised. State Chair funding secured.
12	Leverage data from multiple disciplines (e.g. Bureau of Meteorology, CSIRO, AEMO, geological surveys, environmental agencies, etc.)	Investment	Joint basin studies in progress. Ongoing role.
13	Retain and attract appropriately skilled and capable regulators	Investment	Ongoing DEM-ERD business as usual.
14	Improve telecommunications at remote locations, e.g. 5G to Moomba, etc.	Investment	Roundtable to consider whether industry best placed to drive this.
15	Foster research and development to increase the resolution of the subsurface from well and seismic data (i.e. high resolution seismic in the onshore Otway Basin)	Investment	In progress: staged release TGS-Chevron 2D^{Cubed} Cooper Basin seismic datasets. Ongoing.
16	Bolster understanding of value of undiscovered resources / reserves	Investment	Ongoing.
17	Work with industry to forecast demand for the oil and gas industry workforce	Investment	Ongoing. Refer to Roundtable Procurement panel presentations.
18	Optimise employee inductions to cover engagement skills, cultural heritage awareness, etc.	Environment	Ongoing. CEBAC program re-energised in 2021 (following Covid restrictions).
19	Skills inventories within major employers to guide training subjects	Investment	Roundtable to consider whether industry best placed to drive this.
20	Joint ventures for Joint Ventures to deliver basin-wide base-line data (for example – for Hydrogeologic models)	Investment and Environment	Ongoing. Far North Water Allocation Plan launched Q1 2021.

Updated Rank	Direction Synopsis	Groups	Status
21	Maximise competitive local content in oil and gas operations. ICN has critical role	Investment	Ongoing.
22	Attract investment into highest value end-products from processing oil and gas, including synthesis gas and otherwise vented CO2. (CNG, LNG, petrochemicals, pharmaceuticals, etc.)	Investment	Ongoing.
23	Facilitating indigenous participation in lifecycle oil and gas operations	Investment	Ongoing. CEBAC program re-energised in 2021 (following Covid restrictions).
24	Attract gas users to invest upstream in exploration, appraisal, development, processing and transport	Investment	Ongoing. Govt role - facilitate gas exploration. Industry role- manage market interactions.
25	Streamline approval of imported equipment - especially road regulations – in SA and the whole of Australia	Investment	Ongoing.
26	Workshops to effectively create / forge linkages and clusters of service providers.	Investment	Roundtable to consider whether industry best placed to drive this.
27	Industry workshops focused on oil and gas opportunities that can contribute to growth	Investment	Delayed by Covid restrictions.
28	Leverage on capabilities of staff and students in SA's universities to advance step-changes in exploration, appraisal, development, processing and transportation of petroleum. Includes reservoir simulation and stimulation to lift recovery factors, mapping, etc.	Investment	Ongoing. Grants for ASPER applied research programs. State chair funding secured.
29	Optimise operations and potential re-use of water co-produced with petroleum	Investment and Environment	Ongoing. Industry-driven.

Breakout Groups

- **Group 1 – Infrastructure**

  Chair: Nick Panagopoulos

- **Group 2 – Supply Chain**

  Chair: Bettina Venner

- **Group 3 – Energy Transition and Environment**

  Chair: Michael Malavazos

- **Group 4 – Exploration and Data**

  Chair: Elinor Alexander

Breakout Group Tasks

1. Consider whether industry is best placed to drive directions 5, 8, 14, 19, 26 and 29 (or any others).
2. Any comments or changes to remaining directions.
3. Discussion on additional opportunities or issues to be considered by the Roundtable for your group theme.

Group 1 – Infrastructure	**Group 2 – Supply Chain**
Group 3 – Energy Transition & Environment	**Group 4 – Exploration and Data**

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