

**Arrow's Bowen Projects:  
Bowen Gas Project and Arrow Bowen Pipeline  
Community information sessions  
2 – 5 March, 2015**

***Introduction***

The proposed Arrow Bowen Gas Project involves the construction of wells and infrastructure to extract, treat and compress coal seam gas (CSG) from the Moranbah area. The proposed Arrow Bowen Pipeline would transport the gas to the proposed Gladstone Gas Hub, north-west of Gladstone.

The BGP area is proposed to be developed in three phases: phase one starting from Moranbah and extending north to Glenden, phase two further north, and phase three south of Moranbah.

Phase one entered the define phase in late 2014. This phase is expected to take about 12 months. The proposed project lies near the existing Moranbah Gas Project, owned jointly by Arrow and AGL Energy. One of the largest CSG fields in Australia, it has been producing gas for the domestic market since 2004.

***How to read these notes***

Questions and comments from the audience are in bold type. The responses are from Arrow staff.

In some cases, responses have been summarised. At other times, additional information has been included to provide further context or explanation. This information is italicised, following the answer.

If you have any further questions or comments about the project, please contact the project team:

**Freecall:** 1800 038 856

**Email:** [info@arrowenergy.com.au](mailto:info@arrowenergy.com.au)

<b>Moranbah</b>		
<b>Date:</b>	Monday 2 March, 2015 11am, 1pm, 3pm	
<b>Venue:</b>	Drop-in sessions Arrow Energy Community Information Centre, Town Square 12 attendees	
<b>Presenters:</b>	David Wolf, Project Manager Gathering Systems	Arrow Energy
	Carey Bradford, Authority to Prospect (ATP) Compliance Manager	Arrow Energy
<b>Facilitator:</b>	Glenda Viner, General Manager Community Relations	Arrow Energy

- Q. Are all the contractors going to reach out through the ICN for tier 2 and 3 sub-contractors?**
- A.** Arrow and its primary contractors will be using the ICN Gateway for all supply opportunities over \$1M in value.
- Q. Do you use separators at the well head?**
- A.** This is something we would work out during front end engineering and design. It is likely that we could be using separators on the skid near the wellhead but might not be necessary depending on the design of the pads and other infrastructure etc.

*[Clarification: the current Bowen Gas Project concept plan does not include separators on the wellpad skids.]*

<b>Moranbah</b>		
<b>Date:</b>	Monday 2 March, 2015 5pm – 8pm	
<b>Venue:</b>	Community information session Moranbah Community Centre, Town Square 12 attendees	
<b>Presenters:</b>	David Wolf, Project Manager Gathering Systems	Arrow Energy
	Carey Bradford, Authority to Prospect (ATP) Compliance Manager	Arrow Energy
	John Lott, Pipelines Construction Manager	Arrow Energy
<b>Facilitator:</b>	Glenda Viner, General Manager Community Relations	Arrow Energy

**Q. Is the majority of the land private land owners or coal and overlapping tenure?**

**A.** It is mostly private landholders but we do have overlapping coal tenure. Since 10 years ago, every piece of land which may have coal under it has tenure over it. There is a large selection of pipeline that includes overlapping tenure holders. Co-development agreements are made with coal mining companies so we can both co-exist.

**Q. In terms of well sites, how do you identify these sites? How many have been identified?**

**A.** Through front end engineering and design, we take a concept and work it through; we talk to landholders about a basic layout. We engineer and do surveys and studies to ground truth the layout. As we do the engineering design we consult with landholders and move pads around. Then we do the planning and take it back to landholders to get their approval. We are looking at 100 pads, half of which we have consulted with landholders already and we are still to engage with the others.