

MEETING MINUTES

MINUTES OF:	Arrow Surat Community Reference Group (ASCRG)
HELD AT:	Empire Theatre, Toowoomba
DATE:	Thursday, 24 June 2021
COMMENCEMENT TIME:	9.35am
PRESENT:	<p>Members:</p> <p>Simon Gossmann – Groundwater Manager, Arrow Energy Liz Edwards – Communications and Social Impact Manager, Arrow Energy Ian Hayllor – Natural Resources Committee, AgForce Virginia Wacker – Community Development Officer, Toowoomba Regional Council Matthew Paull – Policy Director (Queensland), APPEA Jane Walker – Community Relations Manager, GasFields Commission Queensland</p> <p>Alternates:</p> <p>Jodie Taylor – General Manager, Community & Liveability, Western Downs Regional Council (online)</p> <p>Guest presenters:</p> <p>Elliot Willemsen-Bell – Principal Community, Arrow Energy Chris Wicks – Principal Development Planner, Arrow Energy Stephen Denner – Team Lead Hydrogeology, Arrow Energy Andrew Hall – Team Lead Access Approvals, Arrow Energy Matt Denyer – Principal Local Content, Arrow Energy</p>
APOLOGIES:	<p>Ann Leahy MP – State Member for Warrego Colin Boyce MP – State Member for Callide Pat Weir MP – State Member for Condamine Lee McNicholl – Chair, Basin Sustainability Alliance Cr Paul McVeigh – Mayor Western Downs Regional Council Scott Braund – Councillor, Australian Lot Feeders Association John Hughes – Stakeholder Engagement Officer, Department of Natural Resources Nic Clapham – Representative, Central Downs Irrigators Ltd. Todd Williams – President, Dalby Chamber of Commerce & Industry</p>
CHAIR:	Michelle Zaunbrecher – VP External Relations & Tenure Management (Acting), Arrow Energy
SECRETARIAT:	Rita Hassan – Community Specialist, Arrow Energy
DISCLOSURES:	None recorded

	Joint meeting – ASCRG & AIFL Committees
ITEM 1	<p>Welcome: Michelle Zaunbrecher</p> <ul style="list-style-type: none"> Welcome to all attendees including alternates Jodie Taylor, Western Downs Regional Council (dialling in via Teams online) Member apologies acknowledged and noted.
ITEM 2	<p>Safety moment: In Vehicle Monitoring System (IVMS) – Elliot Willemsen-Bell</p> <ul style="list-style-type: none"> IVMS is used industry-wide and is a requirement of the 'Safer Together' initiative. It sets out the competencies and behaviours we expect from our staff and contractors when driving. Driving is one of our highest risk activities. The IVMS helps to keep drivers safe by holding them accountable for their driving behaviour in a transparent system.

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	<ul style="list-style-type: none"> • The system includes hardware with GPS capability fitted to all vehicles. Each driver is issued with a unique plug to track individual driving behaviour. Drivers and line managers are advised of any driving violations via an automated system. • Through Safer Together we are establishing a single map of limits for consistency across the industry.
<p>ITEM 3</p>	<p>Arrow update – Michelle Zaunbrecher</p> <ul style="list-style-type: none"> • Arrow’s on-ground activity is ramping up and we are addressing the road maintenance issues through an upgrade program which is well underway. • Surat Gas Project (SGP) Phase one is approximately 10% through the delivery of construction and wells. Plans for the low-pressure header are also progressing well. • At the recent APPEA conference in June 2021, Arrow received a Safety Company Excellence Award for achieving “Target Zero”, for a full year with no recordable incidents. This is a big deal as it is the first time the award has been given to a Queensland-based company. • Arrow’s deviated drilling process has been a topic of discussion in the media and other forums recently. Deviated wells have been part of Arrow’s development philosophy for around eight years as a result of stakeholder discussions in the early days. The intention of deviated wells is to reduce surface impacts and support coexistence between Arrow and the agricultural industry. A lot of technology has gone into making the deviated wells process efficient. • The current concern was raised after a change in the Department of Resources guidelines in September last year (2020) which identified subsurface entry as an example of a preliminary activity, meaning that resource companies are required to provide an Entry Notice for subterranean entry. • Arrow has actively worked to catch-up on notifications to landholders retrospectively, especially with those without Conduct and Compensation Agreements (CCAs) in place. Land Liaison Officers have been engaging with landholders, providing detailed maps of surface and subsurface infrastructure as well as Dial Before You Dig details. • Discussion regarding terms ‘preliminary’ and ‘advanced’ in the context of the legislation. • Arrow’s SGP Water Monitoring and Management Plan (WMMP) is relevant to landholder with or without a CCA in place. Arrow’s commitment is an additional assurance. We hope to avoid a situation where landholders use Land Court as a first option because it is costly and time consuming. • <i>Action: Provide feedback on where landholders stand with legal costs if they make a claim under the WMMP but do not have a CCA in place.</i> • <i>Action: Develop external communications to share information around deviated wells and the benefit to coexistence, as well as broader ‘good news stories’ such as Arrow’s local content (local business support) and area wide planning success stories.</i>
<p>ITEM 4</p>	<p>Current operational activities – Chris Wicks</p> <ul style="list-style-type: none"> • Aerial surveying was carried out in the Ranges Bridge area over Arrow’s Theten property. This information will be compared to existing LiDAR data. This included use of an aeroplane and drone (over Theten only). OGIA are conducting a similar trial in the area. <p><u>Kogan North</u></p> <ul style="list-style-type: none"> • Work is ongoing to rehabilitate land on decommissioned well sites in the Kogan North area. <p><u>Daandine</u></p>

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ITEM 5	<p>Surat Gas Project (SGP) – Chris Wicks</p> <ul style="list-style-type: none">• 10% of Phase 1 of SGP is now completed.• One third of CCAs for Phase 1 have now been obtained and we estimate this will be up to 50% by the end of the year.• We’ve engaged ~500 landholders so far. <p><u>2021 - 2022 Construction</u></p> <ul style="list-style-type: none">• Phase 1 of SGP includes new pipelines which will connect to QGC’s David and Harry field compression facilities (FCSs) and water ponds and utilise their capacity to compress Arrow’s gas for sale and treat Arrow’s produced water.• Arrow will not be constructing its own high-pressure pipeline to Gladstone.• Arrow is planning to construct a medium pressure pipeline from Arrow’s proposed Lynwood FCS to QGC’s Jordan Processing facility.• First gas for SGP is expected be delivered to David FCS in March next year (2022).

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	<ul style="list-style-type: none"> • Pipelines are pressure-tested as part of testing and commissioning before use. Relevant landholders and communities will be given notice ahead of pressure testing taking place. <p><u>SGP planning</u></p> <ul style="list-style-type: none"> • Arrow’s construction focus will soon move south from Daandine down to the Broadwater / Tipton area and then east through to Nandi / Springvale. • Landholder engagement is also taking place around the Kogan Creek area; there is a shed meeting taking place on 25 June. • Landholder engagement east of the Condamine River towards the St Ruth area will commence early next year. • Arrow’s joint venture with CleanCo Queensland was sanctioned in the recent State Government budget. This project includes around 40 wells in the state forest area and will kick off early next year. This development is for domestic gas supply. The project is called “Wari Djunben” which means “Black Goanna” in the traditional owner languages. • Landholder engagements have also commenced near Miles. <p><u>Arrow’s field development process</u></p> <ul style="list-style-type: none"> • We’ve made improvements on our field development process though area wide planning (AWP). Information captured through AWP allows us to make iterative changes to the development plan before the CCA stage and engages the community as well as providing an opportunity to share information on deviated wells.
<p>ITEM 6</p>	<p>Regulatory approvals</p> <p><u>PL253 Environmental Authority (EA) amendment – Stephen Denner</u></p> <ul style="list-style-type: none"> • We have more work to do as part of our PL253 EA amendment application including noise assessments and developing a containment system in the event of contaminant detection (as a precautionary measure). • Studies have shown that there will be minimal impact from our development in the area. • Contaminants found on the former Linc Energy site are predicted to remain on site and will have completely degraded in 7.5 years. • The Linc Energy property itself is excluded from Arrow’s development area. • Biodiversity offsets are required by the State Government can be monetary or land based. Offsets under Federal Government requirements only include land-based options. Offset areas are about 3-4 times greater than the original area being offset. • Arrow is seeking increased night-time noise conditions for drilling activities consistent with the conditions in other Arrow EAs to assist with standardising operational activities, particularly with respect to night-time drilling and ensuring sleep disturbance at respective sensitive receptors is avoided as much as practicable. <p><u>Low pressure header and Regional Interests Development Approval (RIDA) – Andrew Hall</u></p> <ul style="list-style-type: none"> • Arrow has submitted a RIDA application for the low-pressure header pipeline. • The application is for 44km of pipeline between the existing Tipton CGPF and the proposed David IPF. • Construction is estimated to take 1-2 months per parcel of land with up to three pipelines in a trench. • To date, only five lots (three unique landholders) are yet to negotiate a CCA with Arrow. Of those remaining, some are already going through a mediation process. • Public notification will be required as part of the process, this will be done around August through the Queensland Country Life and online.

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	<ul style="list-style-type: none"> • Specific landholder requirements like the need to undertake ripping of tree roots is considered as part of the negotiation. Discussions include infrastructure layout and revegetation requirements. <p><u>Petroleum Pipeline EA applications – Andrew Hall</u></p> <ul style="list-style-type: none"> • We have a few other applications to lodge with government in Q3 this year. These are also likely to require public notification. • They will not require a RIDA application because these pipelines are in State Forest areas. The Regional Planning Act applies to pipelines in Priority Agricultural Area (PAA).
<p>ITEM 7</p>	<p>Beneficial Use Network (BUN) update – Simon Gossmann</p> <ul style="list-style-type: none"> • Arrow is planning to call for expressions of interest (EOI) to identify potential participants and assess the level of interest in the BUN scheme. • Potential participants will need to register their interest and provide additional details to determine suitability for the scheme. • Sub-committee engagements are still going, as well as discussions with Central Downs Irrigators Limited (CDIL).
<p>ITEM 8</p>	<p>Well decommissioning – Nangwee / Cecil Plains area - Stephen Denner</p> <ul style="list-style-type: none"> • An action was taken at a previous meeting to provide information on two decommissioned wells on the rail reserve in this area. • Decommissioning reports for Lone Pine-1 and Carn Brea-3 are publicly available on the Queensland Government Geoscience site. • Both wells were decommissioned in a manner that complied with standards of the time and the required documentation submitted to and accepted by the Department of Natural Resources and Mines (DNRM). • Pictures in the slide pack show before and after rehabilitation images. • <i>Action: Obtain current image of decommissioned sites (Carn Brea-3 & Lone Pine-1) for comparison, update slide pack for website, apply to other examples going forward.</i>
<p>ITEM 9</p>	<p>Local jobs and contracting – Matt Denyer</p> <ul style="list-style-type: none"> • Supplier registrations with Arrow since SGP Phase 1 was announced have mostly come from regional Australia and NZ which is a good outcome. These businesses represented 91%, with 9% of those directly from the Western Downs Regional Council area. • Expressions of interest for tenders are another good way to engage businesses. We received 193 EOIs for 17 packages which is a great response. 9% of these were from the Surat region which includes Toowoomba, Maranoa and Western Downs. • Significant contracts awarded to businesses bringing employment to the Dalby area shown on the slide. They are all spending local and generating local jobs. • Upcoming EOIs for SGP show that there is still a significant number of tender opportunities for contractors and subcontractors available. • In terms of local content spend, for the January to May year to date, 97% of spend has been Queensland based. • Employment statistics show that 33% of Arrow’s contractor workforce is living locally in the Surat Basin. • Arrow’s female participation is good and important as part of our diversity and inclusion goals. • Upskilling numbers are a bit low. Arrow wants to look at more capacity building opportunities and leverage off contractors for that. • The personnel forecast shows that we expect an initial peak around December this year. This impacts the region with demand for accommodation, services, etc.

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	<ul style="list-style-type: none"> • <i>Action: Investigate opportunities for upskilling and capacity building with contractors.</i> • <i>Action: Compile case studies of local business engaged by Arrow to demonstrate positive outcomes of the resource industry in local communities.</i> • <i>Action: Compile and present expenditure over time comparison and action broad indicators.</i>
<p>ITEM 10</p>	<p>Innovate Reconciliation Plan 2021-2023 – Liz Edwards</p> <ul style="list-style-type: none"> • Arrow was the first CSG company to launch a reconciliation action plan (RAP) back in 2013. • We've continued to invest in our commitments through COVID. • Our Whanu Binal program aims to increase indigenous business participation in the supply chain. • Now we have reached innovate status with our RAP. • The depth of targets increases through the levels of RAP. • <i>Action: Include Indigenous outcomes in good new stories to share with the community.</i> • <i>Action: GFCQ and Arrow to work together to identify what additional information Arrow can share with GFCQ to support the Shared Landscapes document.</i>
<p>ITEM 11</p>	<p>Minutes of previous meeting</p> <ul style="list-style-type: none"> • Meeting minutes for March have been circulated, feedback collected and applied. Consider these endorsed. <p>Actions from previous meeting</p> <ul style="list-style-type: none"> • Check records for the number of bores decommissioned in the Macalister seam presented in the next slide. • Provide information on how Arrow conducts subsurface logging <ul style="list-style-type: none"> ○ Item to be presented at next meeting with Arrow's subject matter experts (Tim Thomas/Mahmoud Oraby) • Discuss with WDRC the information to be provided on local content <ul style="list-style-type: none"> ○ Arrow update/briefing to WDRC Councillors and executives 7 June ○ Arrow's Jason King (GM Contracting, Procurement & Logistics) & Matt Denyer (Principal Local content) met with WDRC Jodie Taylor (GM Community & Liveability) and Amanda Maurice (Economic Development Manager) on 15 June to discuss opportunities • Provide feedback to committee on Arrow's view on WH&S in relation to interfaces between Arrow/contractors and community <ul style="list-style-type: none"> ○ Richard McLean (AIFL Committee) to touch base with Nic Clapham external to the committee meeting. <p>Make good, Hopeland area near Linc Energy site – Simon Gossmann</p> <ul style="list-style-type: none"> • The exact number of bores decommissioned in the Macalister seam cannot be determined because it isn't always possible when conducting bore assessments to determine the target seam. Some bores may have collapsed, and we can't confidently calculate the exact seam. • This doesn't impact our ability to progress to a make good agreement either way. • 13 bores have been decommissioned in this area, so far.
<p>ITEM 12</p>	<p>Any other business – Michelle Zaunbrecher</p> <p>Specific actions have been noted throughout the meeting however, in summary, there are a number of overarching actions to take away around:</p> <ul style="list-style-type: none"> • Arrow's communication strategy • Arrow's local content development

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	<ul style="list-style-type: none">• Addressing landholder concerns around deviated wells and subsidence matters.
ITEM 13	Agreed outcomes, actions, deliverables Specific actions from this meeting: <ol style="list-style-type: none">1. <i>Provide feedback on where landholders stand with legal costs if they make a claim under the WMMP but do not have a CCA in place.</i>2. <i>Develop external communications to share information around deviated wells and the benefit to coexistence, as well as broader ‘good news stories’ such as Arrow’s local content (local business support) and area wide planning success stories.</i>3. <i>Obtain current image of decommissioned sites (Carn Brea-3 & Lone Pine-1) for comparison, update slide pack for website, apply to other examples going forward.</i>4. <i>Investigate opportunities for upskilling and capacity building with contractors.</i>5. <i>Compile case studies of local business engaged by Arrow to demonstrate positive outcomes of the resource industry in local communities.</i>6. <i>Compile and present expenditure over time comparison and action broad indicators.</i>7. <i>Include Indigenous outcomes in good new stories to share with the community.</i>8. <i>GFCQ and Arrow to work together to identify what additional information Arrow can share with GFCQ to support the Shared Landscapes document.</i>
	Next meeting – Dalby, 9 September 2021

There being no further business, the meeting was closed at 12:30pm