

MEETING MINUTES



MINUTES OF: Arrow Surat Community Reference Group (ASCRG)
 HELD AT: Inbound Brasserie – Toowoomba Railway Station (private meeting room)
 DATE: Thursday, 29 November 2018
 COMMENCEMENT TIME: 9.40 am

	Ann Leahy MP – Member for Warrego Graham Clapham – Central Downs Irrigators Jane Walker – GasFields Commission John Hughes – Department of Natural Resources Mines and Energy Lee McNicholl – Basin Sustainability Association Pat Weir MP – Member for Condamine Cr Nancy Sommerfield – Toowoomba Regional Council Simon Gossman – Groundwater Manager, Arrow Energy
Present:	Proxies: Nil Presenters: Leisa Elder – VP External Relations & Tenure Management, Arrow Energy Stewart Black – Operations Manager, Surat, Arrow Energy Chris Wicks – Development Planner IFL, Arrow Energy Suzanne Ferguson – Manager Tenements and Overlapping Tenure, Arrow Energy Liz Edwards – Community & Communications Manager, Arrow Energy Lavinnia Fiedler – Environment Advisor Biosecurity & Compliance, Arrow Energy
Apologies:	Colin Boyce MP – Member for Callide Mayor Paul McVeigh – Western Downs Regional Council Scott Braund – Lot Feeders Association Ian Hayllor – Chair of Resource Sector Interactions, AgForce Matthew Paull – APPEA
Chair:	Leisa Elder – VP External Relations & Tenure Management, Arrow Energy
Secretariat:	Rita Hassan – Senior Community Officer (Dalby), Arrow Energy
Disclosures:	None recorded

	Joint Meeting – ASCRG & AIFL Committee	ACTION/ SUGGESTIONS
ITEM 1	Welcome <ul style="list-style-type: none"> Leisa Elder welcomed everyone and introduced Arrow's new Community Engagement Lead, Liz Crombie, who attended as an observer. Leisa made reference to apologies and advised that Jody Monaghan has stepped down as Dalby Chamber of Commerce & Industry representative. The committee will be advised of her replacement once confirmed by the Chamber. 	Committee to be advised of new Chamber representative
ITEM 2	Safety moment, tyre safety – Stewart Black <ul style="list-style-type: none"> Stewart presented on tyre safety awareness including: <ul style="list-style-type: none"> expiration dates – tyres expire four years after date of manufacture air pressure – tyres have a maximum allowable inflation pressure load rating – tyres have a maximum load carrying capacity tread wear – tyre tread is graded to indicate lifespan trailers – tyre trailers also need attention although they are generally not used as often road conditions – tyres will wear according to road conditions tyre specifications – found on the side of the tyre near the rim. Lee McNicholl raised farm safety. A number of incidents have occurred in the region over recent months. Workers in the agricultural industry are exposed to many hazards including sun exposure and farming is recognised as one of the most dangerous occupations. 	
ITEM 3	Arrow update – Leisa Elder <ul style="list-style-type: none"> Leisa Elder summarised Arrow's activities in 2018, including: <ul style="list-style-type: none"> 46 wells drilled, 40km of gathering line installed community information sessions reached more than 400 community members more than \$25million in social investment spend since 2011 Indigenous relations development included training/placement of seven Indigenous trainees and apprentices 	

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	<ul style="list-style-type: none"> ○ support for the Heart of Australia mobile clinic included: <ul style="list-style-type: none"> ▪ the launch of the second mobile clinic ▪ a recent visit to Chinchilla in response to interest shown during Arrow's community information session in September 2018 ▪ more than 200 Arrow staff received a consultation through the service ○ support for the PCYC Braking the Cycle program resulted in 150 licences ○ continuation of the Arrow Energy/Broncos partnership, resulting in: <ul style="list-style-type: none"> ▪ the launch of the National Rugby League Broncos Women's team ▪ 800 students engaged by Broncos school-based programs ▪ Dalby Fan Day held in November, attended by more than 1,500 community members ○ more than 450 students participated in the Arrow-supported STEM program. <p>Arrow in 2019</p> <ul style="list-style-type: none"> • ~70 per cent increase in wells and gathering from Arrow's 2018 work plan including: <ul style="list-style-type: none"> ○ more than 40 wells in the Surat Basin ○ more than 20 wells in the Bowen Basin. • In 2019, the focus will be on sustaining wells to meet the current domestic gas commitments, brownfield developments (Daandine, Tipton and Moranbah Gas Project) and continued development planning for the Surat Gas Project. • There has been a temporary delay to an area of engineering design for the Tipton facility upgrade. Unfortunately, the Australian Financial Review reported this inaccurately, supporting misinformation about the delay. • Arrow has continued to support the community, partners, research and development. This demonstrates Arrow's leadership's commitment to supporting communities, and community programs. • Arrow has increased 2019 funding to the Heart of Australia and worked to increase Indigenous participation through the Indigenous Capacity Building program. • Community engagement will continue in 2019 through Area Wide Planning, broad and targeted information sessions. • Jane Walker highlighted the importance of message clarity and said it was good to know that it is business as usual for Arrow. 	
ITEM 4	<p>Operations update – Stewart Black</p> <p>Daandine CGPF</p> <ul style="list-style-type: none"> • Final hook-up and commissioning (including overnight pressure testing) occurred for the Roma to Brisbane pipeline (RBP) interconnection to Braemar 1 and 2 pipeline systems. This allows Daandine Central Gas Processing Facility (CGPF) to export into the RBP while also allowing power stations to receive gas from this major transfer system. • An upgrade to the facility will go live next year. <p>Tipton field</p> <ul style="list-style-type: none"> • Safety and production are going well for the Tipton area. • There are 26 new wells planned for drilling in 2019. • Jane Walker asked if the 26 planned wells have CCAs in place. Chris Wicks confirmed that all CCAs are in place or in progress with existing landholders. • All wells will be twinned on existing well pads. <p>Plainview Pilot</p> <ul style="list-style-type: none"> • Plainview Pilot is now very close to completion with start-up planned for the end of the year. • Successful testing was carried out on ~11km of gathering pipeline which connects the five new production wells to Tipton field. • A new groundwater monitoring bore has also been installed. • The community has been kept up-to-date through regular community email notifications. <p>Future pilot activity</p> <ul style="list-style-type: none"> • An additional pilot has been planned, 10km from the Plainview Pilot site, which will include five wells and 10km pipeline. • Landholders will be engaged early next year. <p>Meenawarra</p> <ul style="list-style-type: none"> • Arrow is now drilling four new vertical wells north of the existing Meenawarra pilot wells. The new wells are spaced closer and will be production wells. 	

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	<ul style="list-style-type: none"> Potential for an additional six wells in early 2019. Current work is on Arrow's Lynwood property about half way between the original Meenawarra Pilot and Grassdale Feedlot. Construction is also underway for ~2km of gas and water gathering pipelines. Traffic management is in place for pipeline-related boring under Wilkins Road this week. 	
ITEM 5	<p>Surat Gas Project update – Chris Wicks</p> <p>Planning continues for the Surat Gas Project (SGP):</p> <p>David (Kogan-Chinchilla) development</p> <ul style="list-style-type: none"> Area wide planning (AWP) has been completed with more than 20 landholders. Front-end engineering design (FEED) is underway. <p>Lynwood to Jordan off-tenure pipeline</p> <ul style="list-style-type: none"> All landholders along the route have been engaged. Progress is being made, however, new landholder constraints need to be considered. Ecology surveys are scheduled for December 2018 to support the Federal Environment Protection and Biodiversity Conservation Act (EPBC) approval. <p>Brine dam</p> <ul style="list-style-type: none"> Planning is underway for a new brine dam at QGC's Kenya facility. Geotechnical, cultural heritage and ecology surveys are scheduled for December 2018. <p>2019 AWP - Preparations are underway for AWP in 2019:</p> <p>Dalby Broadwater area (Harry field)</p> <ul style="list-style-type: none"> Landholder engagement will kick-off early next year. <p>Daandine area development</p> <ul style="list-style-type: none"> Engagement will commence with landholders south-east of Wilkie Creek. Four or five landholders will be new contacts and negotiations will include the Lynwood to Jordan pipeline. <p>Tipton and Cecil Plains area</p> <ul style="list-style-type: none"> Engagement will take place in early 2019 around the proposed Lynwood Field Compression Facility and east to the Condamine River, north of Cecil Plains. First disturbance is planned for 2021/22. All water extracted from this area will go to Kenya for treatment before returning to substitute existing Condamine Alluvium allocations. Neville Wirth raised he has heard that volumes of brine generated are less than what was originally expected. Simon Gossman confirmed this is the case. Chris Wicks added that the brine leftover from water processing will be stored for future processing. Research has been undertaken to search for a commercial solution for the brine waste. In the meantime, brine dams are designed large enough to hold volumes generated by the project. The Kenya water treatment plant will be used to process the water since the facility is currently under capacity. Lee McNicholl raised he is concerned that ~20 per cent of water is evaporating under current arrangements. He said landholders in the Chinchilla area are also concerned about the security of salt storage during extreme rainfall events. Simon Gossman advised that Arrow's approval for the proposed Surat Gas Project requires flood assessment for 1/1000 year rainfall events and new dams and facilities have been sited to avoid areas of flood inundation. <p>Project execution strategies underway:</p> <p>Impact management includes:</p> <ul style="list-style-type: none"> A Traffic Impact Assessment (TIA) for the David area which has been submitted to the Western Downs Regional Council for consideration. TIAs for the remaining SGP are currently under development. Brydie Hedges confirmed that Traffic Management is a condition of Arrow's Surat Gas Project (SGP) Environmental Impact Statement (EIS). <p>Local content strategies include:</p> <ul style="list-style-type: none"> An Australian Industry Participation Plan which is currently under development. Arrow plans to engage with local businesses in 2019. 	

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	<ul style="list-style-type: none"> • Training and capacity building programs for local businesses and Indigenous participation. Planning is also underway to deliver these proposed programs in 2019. 	
ITEM 6	<p>Regulatory approvals update – Suzanne Ferguson</p> <p>Regional Interests Development Application – central gas processing facility (CGPF) and Glenelg</p> <p>Tipton Expansion project Regional Interests Development Approval (RIDA): applications, for Glenelg property and Tipton CGPF works:</p> <ul style="list-style-type: none"> • The Tipton CGPF application was approved on 5 July. • Glenelg (wells and infrastructure) application was approved on 26 November 2018 with conditions. <p>Surat Gas Project applications – on tenure:</p> <ul style="list-style-type: none"> • Sixteen petroleum lease (PL) applications have been lodged (December 2017 & August 2018) <ul style="list-style-type: none"> ◦ EA South recently was advertised for public comment ◦ seeking grant by early December 2018. • Five environmental authorities (EAs) grouped to cover the 16 PLs <ul style="list-style-type: none"> ◦ four of five have been approved (remaining EA expected in December 2018). • Four secondary approvals are required under the SGP Environment Protection Biodiversity Conservation Act (EPBC) EIS approval granted in December 2013 <ul style="list-style-type: none"> ◦ Species Impact and Management Plan was lodged 6 June 2018 and amended 15 October 2018. ◦ Offset Strategy was lodged 6 June and amended 9 October 2018. ◦ Water Management and Monitoring Plan stages 1 and 2 will include an industry wide approach to water management implementation <ul style="list-style-type: none"> ▪ Stage 1 was lodged December 2017 ▪ Stage 2 will be lodged Q1 2019. • Ten potential commercial area (PCA) applications have been lodged in March 2018 for the remainder of Arrow's Surat tenures <ul style="list-style-type: none"> ◦ Currently waiting for a response from Government. <p>Surat Gas Project – off tenure</p> <p>Off tenure approvals are required for pipelines to connect to the QGC-operated facilities including:</p> <ul style="list-style-type: none"> • Eight petroleum pipeline licenses (PPL) applications. Two have been lodged for Kenya Brine Dams and David Stalk. • Remaining PPLs and associated EAs will be staggered over the development lifetime. • One EPBC approval will be required for off-tenure pipelines. Application was lodged 29 May 2018 and preliminary documentation notice was provided 7 September 2018. <ul style="list-style-type: none"> ◦ public notification is required ahead of approval (Q1 2019) ◦ approval planned for Q2 2019. 	
ITEM 7	<p>Attitudinal research – Liz Edwards</p> <ul style="list-style-type: none"> • Community-wide research has been conducted annually since 2012. • Our attention will be given to changes greater than four per cent which researchers consider to be statistically significant. • Arrow conducts this research to understand issues in the community. The results of the research will help us to target our communication and messaging. • This research targeted the general community whether we have had contact with them or not. Arrow's Community Engagement team also conducts a separate survey specifically with stakeholders. • Jane Walker said the GasFields Commission would be interested to see the comparison with 2012 results. • One of the key outcomes to note is that traditional media, not social media, is more effective the further west you go. For the last two years Toowoomba has also been included in the research group. • Graham Clapham asked what defines a 'landholder'. Liz advised that the research company defined 'landholders' as different from ratepayers generally, based on their land holdings. • The survey also showed a growing concern for energy prices. Concern around 	

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	<p>energy prices has risen significantly since 2017. Eighty-four per cent of residents surveyed are concerned about the price of energy in Queensland and are calling for the government to do more to regulate changes.</p> <ul style="list-style-type: none"> • Influencers of opinion of CSG show that on-ground engagement and word-of-mouth continue to fuel community sentiment across the region. The research also found that information from CSG companies is more likely to be absorbed than information from activist groups. • Support for activist groups has fallen in the past three years. A significant number of residents do not support anti-CSG groups, media or spokespeople. • This research is valuable to inform the work we do. The results show we need to continue with on-ground engagement. While results are encouraging, Arrow recognises that trust is fragile and can change. • Lee McNicholl believes Arrow shouldn't discount concerns in the community. He recently participated in an interview as the Basin Sustainability Alliance representative. Through the interview, Lee shared his opposition to the unlimited take of the limited underground water resources because it is fundamentally unsustainable. The interviewer agreed. He also recently engaged in conversation with a CSG driller at the Condamine service station who was also concerned with the unlimited take of water. • Lee agrees that the bush telegraph is alive and well particularly at the pub and in sporting clubs. Word of mouth is powerful among regional communities. At the end of the day, it is Arrow's relationship with landholders that matters. • Graham Clapham believes that anti-CSG groups are in the minority however they are often resourced out of people's own pockets and run by volunteers – this is where he sees a discrepancy with resource companies who are also supported by government. It is not necessarily an even battle. • Chris Wicks noted that organisations like BSA would not be seen an anti-CSG like Lock the Gate. • Liz stated local newspapers are still the best way for Arrow to engage with local communities regarding activities. Although a lot of people use social media, it is more useful for events and social activities. • John Hughes was surprised at the number of people who participated (765). This is a very high number and shows that people want to be engaged and are not fatigued with the issue. • Leisa said that even though the results are more positive, Arrow does not suggest its work is done but there are signs of improvement and Arrow is on the journey to continue this. • Lee McNicholl said Arrow's level of engagement had improved and become increasingly transparent. A level of trust had been built but trust is fragile. He believes Arrow has handled difficult issues well this year. • Liz also pointed out that Arrow is the only company that has been able to carry out baseline studies since 2011. She said the research has been very valuable to inform us over the years and Arrow appreciates the feedback received through the surveys. 	
ITEM 8	<p>Vehicle and Machinery Hygiene – Lavinnia Fiedler</p> <ul style="list-style-type: none"> • Arrow handles Vehicle and Machinery Hygiene using a risk-based approach. • The Arrow system has moved away from forms to a logbook approach which is better for retaining information. • The focus is on inspections, not just wash downs (or clean downs). • The expectation is for all staff and contractors to use the log book system. It may not be suitable for every situation in which case a form can be used. • A recent survey of log books found that, vehicles remained on sealed roads 80 per cent of the time. • Jane Walker asked how Arrow manages high risk sites. Zeb Dawson (Land Liaison Officer) advised that every site had site specific conditions for entry and site access to manage risks. • Lee McNicholl suggested that it would be beneficial to landholders if Arrow was able to record the GPS location of any pest weeds. There have been recent issues with weed movement through the transport of hay bales for the drought relief operations. • Ideally, Arrow will include pest weed locations in our GIS mapping. Arrow has recently piloted a driver program (Safe Driver App) which could incorporate weed information. Safe Driver App will be shared at a subsequent meeting. • To support weed awareness and education, Arrow has built an online training 	Safe Driver App – suggested agenda item for subsequent meeting

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	<p>module which is required for all staff and contractors who have access to drive vehicles or machinery.</p> <ul style="list-style-type: none"> • Lee McNicholl stated he would be interested in using the online training if possible. He also suggested that Councils should use something similar. • In Lavinnia's experience, she said third party training courses can be lacking in some aspects. Arrow's online course has been designed to assist staff and contractors carry out thorough vehicle inspections. The course covers the different parts of a vehicle which trap weeds and this can be different depending on the type of vehicle or machine. • Assurance of vehicle wash-down processes is carried out through auditing. • Lavinnia stated that APPEA (Australian Petroleum Production and Exploration Association) recently undertook a biosecurity audit of the industry. Arrow will invite Matt Paul to present these at a subsequent meeting. • She also noted that the perception is that third-party providers carry out wash-downs to a higher standard than those carried out in house. The industry has found that this is not necessarily the case. Third-party wash-down operators are not obliged to have any qualifications and are not regulated. It is up to individual companies or landholders to audit the work carried out by wash-down operators to ensure it is up to standard. • Third-party wash-down services came about in response to business opportunities; they were not what legislation intended. • Lavinnia stated that Arrow's preference is to undertake our own vehicle hygiene inspection and assurance, however some landholders (approximately five) have stipulated the use of third party inspection and wash down as part of their Land Access conditions. The person who engages a third party provider is responsible for checking the quality of the inspection. • Arrow mostly relies on public facilities for vehicle wash-downs (e.g. Western Downs Wash-downs, Dalby Car wash and WDRC Council facility). Arrow has also kitted some vehicles with air compressors to enable drivers to clean down their vehicles more efficiently. • Lee McNicholl commented that this system is a good improvement 	<p>Provide opportunity for Lee McNicholl to complete Arrow's online training for Vehicle Hygiene</p> <p>Invite APPEA to present biosecurity audit results at a subsequent meeting</p>
ITEM 9	<p>Minutes of previous meeting and actions</p> <ul style="list-style-type: none"> • Actions have been covered in the previous items. • No comments on minutes - taken as endorsed. 	
ITEM 10	<p>Any other business</p> <p>Make good bores</p> <ul style="list-style-type: none"> • Lee McNicholl asked for Simon Gossmann's advice regarding the transfer of allocations from the Walloon Coal Measures to the Hutton Sandstone as part of Make Good agreements in the Hopeland area. There are three bores in the Huttons where landholders have allocations. Transferring these allocations may impact the springs in Wandoan based on DNRME's review. Simon advised that DNRME had specified a process for assessing allowable distances from bores to Groundwater Dependent Ecosystems (GDEs) including springs. • To Lee's knowledge, the total impact at a spring can't exceed 0.4m. However, DNRME's assessments already show modelled impacts of greater than 0.4m. • Simon advised that Arrow has previously met with the department regarding this matter. The DNRME methodology uses a simple analytical/spreadsheet to forecast impacts. They have requested using the more complex OGIA model which will give more accurate results instead. • As a result, impact predictions have been resubmitted to DNRME by Arrow on behalf of one landholder. This will be an important test case/example of how transferring allocations from the Walloons to the Hutton as part of make good is going to work. • Arrow is currently working with one other landholder with whom Arrow is negotiating a make good agreement in the Hopeland area to undertake a similar assessment. Arrow is not currently working with any other allocation holders in the Hopeland area. DNRME's process predominantly affects the transfer of volumetric allocations, not stock and domestic. • Lee is concerned that if all make good agreements relocate to the Huttons it will become an issue. Simon advised that actual impacts to the aquifer will depend on the size of allocations, the distance to GDEs as well as geology. • Lee noted that stock and domestic use is mostly un-measured. Stock and domestic use needs to be better understood, "We are already seeing a problem/shortage in the Gubberamunda." <p>Other AOB</p> <ul style="list-style-type: none"> • The committee is encouraged to forward any agenda ideas and safety moment suggestions through to Arrow for consideration in 2019. 	<p>Arrow to contact committee members</p>

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	<ul style="list-style-type: none"> • Arrow will be in touch with committee members to encourage them to utilise the Heart of Australia service. The service schedule for 2019 will be circulated when available. • Leisa thanked the committee for contributions this year and wished everyone a Merry Christmas and new year. 	regarding Heart of Australia schedule
ITEM 11	Agreed outcomes, actions and deliverables <ul style="list-style-type: none"> • Arrow to update committee about the new member representing Dalby Chamber of Commerce & Industry. • Arrow's Safe Driver App to be shared as an agenda item for subsequent meeting. • Arrow to arrange for Lee McNicholl to use online training platform for vehicle hygiene training. Other members interested in undertaking the training can contact Rita to make arrangements. • Invite APPEA to present biosecurity audit results at a subsequent meeting. • Arrow to contact committee members regarding Heart of Australia schedule. 	
ITEM 12	Next meeting <ul style="list-style-type: none"> • TBC 	

There being no further business, the meeting was closed at 12 noon.