



**NB: Note that minutes are paraphrased to an extent and may not exactly match actual statements.**

Project	Gloucester Coal Seam Gas Project	From	Michael Ulph
Subject	Community Consultative Committee	Tel	4910 7788
Venue/Date/Time	Thursday 16 October 2014 Gloucester Country Club, 10.00am – 12.00noon	Job No	21/17714
Copies to	All attendees		
Attendees	Ian Shaw [IS] – AGL Lands Officer Karyn Looby [KL] – AGL Community Relations Manager Toni Laurie [TL] – AGL Land and Approvals Manager Jerry Germon – Community Representative Rod Williams – Community Representative Ray Dawes – Barrington Gloucester Stroud Preservation Alliance Clr Karen Hutchinson – Great Lakes Council Graham Gardner – Gloucester Shire Council David Mitchell – Avon Valley Landcare Clr Tony McKenzie – Dungog Shire Council Dr. Gerald McCalden – The Gloucester Project Michael Ulph [MU] – GHD (Chair) Kaycee Simuong – GHD (Minutes)	Apologies	Clr Aled Hogget [AH] – Gloucester Shire Council
	<b>Observers / Presenters</b> Alex Kennedy-Clarke [AK] – AGL	Others not present	Anna Kaliska – Mid Coast Water Ed Robinson – Lower Waukivory Residents Group Lisa Schiff – Great Lakes Council Clr David West – Mid Coast Water Lee McElroy – Port Stephens Council Dan Rose – CEO, Forster Local Aboriginal Land Council Larry Brown – AGL Operations Manager

Notes	Action
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**1. Michael Ulph (Chair)**  
*Welcome and Acknowledgement of Country*  
*Introductions for new committee attendees and observers*

Meeting commenced at 10.10 am



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## 2. Meeting agenda

- Welcome, apologies and introductions
- Action items from previous meetings and acceptance of last meeting minutes
- Project Update, including water update (Toni Laurie)
- Community Engagement update (Karyn Looby)
- General business
- Next meeting and close of formal proceedings
- Lunch

## 3. Action items from the last meeting

Action items from the previous CCC meeting were reviewed. Michael asked the CCC if there were any other questions in relation to the action items or previous meeting minutes.

The last meeting minutes were moved by Jerry Germon and seconded by Graham Gardner as a true and correct record.

1. **Toni Laurie to distribute well coordinates.**  
Completed
2. **Michael Ulph to distribute link for Gloucester Dialogue**  
Completed
3. **Toni Laurie to distribute project update.**  
Completed
4. **Toni will find and distribute link for EPL conditions**  
Apologies, missed this action. Still to be completed.
5. **Michael Logan to send copy of presentation to Michael Ulph.**  
Has chased Michael and left messages and has no response. Out of our control.

**IS:** He may be overseas

**CCC:** Most of the information can be found on dairy connect website

**Rod Williams:** I can chase him if you like?

**MU:** You can do that if you would like.

## 4. Project update – Toni Laurie

Toni Laurie provided an update of the Gloucester project to the CCC. A hard copy document summarising recent activities was also provided to the CCC. Key points are summarised below:



## Notes

## Action

### Exploration Update

#### ➤ Waukivory Pilot Project

AGL continue to work through the conditions of approval as outlined in the Petroleum Exploration Licence (PEL) and Environment Protection Licence (EPL).

The Waukivory Pilot exploration program is still in the construction phase, which has included construction of the above ground water storage facilities, installation of pipelines and ancillary works.

AGL are currently planning for a further two groundwater monitoring bores to be constructed within the vicinity of the pilot project. This will involve a small truck mounted drilling rig as well as some ancillary vehicles and is expected to take 1 week to install and is expected to occur in early November.

The specific timing of the hydraulic fracturing depends on a number of factors – weather, contractor availability and advice from police.

AGL will provide a more detailed timetable of the upcoming activities in due course.

#### ➤ Further Exploration Pilot Programs

Planning is progressing for two pilot programs in the southern section of the Gloucester basin.

**CCC:** How far south?

**TL:** The Southern part of basin. From Craven South. Between Duralie mine and Craven.

**CCC:** Does the water study have any bearing on when you can do the fracturing?

**TL:** These are just two additional groundwater bores that we're putting in. So it's not dependent on anything it's just for further information.

**CCC:** I know you can't be specific about fracking, but would this happen before or after Christmas?

**TL:** It's unknown at the moment but hopefully this side of Christmas.

**CCC:** There is an obligation to give 10 days' notice though?

**TL:** Yes. We have a couple of things that we need to do. The ten days notification has to go into the Office of Coal Seam Gas. We have submitted a notification form for that without any dates at this point in time, to let them know and complete those forms, but there's no dates on anything at this stage.

**CCC:** Will the community be provided with a timeline of these events including when the fracturing is going to occur?

**TL:** Yes. As per the report there, we'll provide a detailed timetable prior to that happening?

**CCC:** How will this be distributed?

**TL:** We will forward through a notification through Michael to the CCC [by email] at the time, the same as we have obligations for land owners for that as well.

**CCC:** At the time of extraction of water, will the monitoring continue until there's result



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at the monitoring bores? Because I don't think there will be, as they are too far away.

**MU:** Are you talking about one individual fracking event?

**CCC:** I'd like to know how long the flaring process [and subsequent production of water at the wells] occurs for, and whether it will occur until there's a result at the monitoring bores, or if it would be say six months?

**TL:** Will be like a normal pilot program, subject to a number of different factors. With the groundwater monitoring that we have got in place at the moment, we've got the baseline information there, from however long they've been in for – quite a while now, we have all four wells to do the hydraulic fracturing of, and then monitoring throughout that and periodic monitoring. The actual program of flaring of the gas is a normal pilot program, testing for the gas. There's water monitoring as well.

As the water is pulled off, the gas comes on, and we'll be monitoring that and looking for the peak in the gas and the water to drop down. The water and gas will be monitored throughout that whole process. Decision will be made on data, and final date will be decided based on the data.

**CCC:** I think the monitoring bores are too far away. It's going to take a significant amount of time for any depressurisation to occur.

**TL:** That's more of a question for John Ross, but this has all been designed with the office of water.

**CCC:** Will the water data be available publicly?

**MU:** My understanding is that that is the case.

**TL:** Yes, like all the other monitoring reports.

**CCC:** What are the sampling rates, once a fortnight would not be satisfactory? Is there going to be data available on flow back and produced water?

**TL:** I'm not sure about the sampling. I'll get back to you on that.

**CCC:** We would like to have an independent observer, Mr Kite, one of the members of the Alliance, who is quite familiar with water testing, during the water sampling process. This will ensure data collection is up to scratch. I am getting a lot of pressure for this.

**MU:** You are requesting an independent observer for water sampling and testing for flowback and produced water?

**CCC:** Yes.

**MU:** Toni if I could give that to you as an action, for a response please.

**ACTION:** Toni Laurie to find out what the sampling rates will be and whether data will be published on the website.

**ACTION:** Is it possible for an independent observer present when water sampling and testing be done for flowback water?

### Stage 1 Project Update

➤ **FEED (Front End Engineering Design) phase:**

AGL's planning and design for the Gloucester Gas Project remain on track and progressing well. AGL continues to work toward addressing the conditions of project approval and working towards the project FID by fourth quarter of 2015.

### Pipeline



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The NSW Planning Assessment Commission (PAC) approved the modification to the Stratford to Hexham pipeline alignment in September. This modification will see the southern pipeline connection move from Hexham to Tomago and link into AGL's Newcastle Gas Storage Facility or the Newcastle to Sydney network. Other minor alignment amendments were also approved across two other sections. This modification will result in improved environmental outcomes by:

- Eliminating a crossing of the Hunter River
- Reducing the amount of vegetation clearing
- Shortening the overall length of the pipeline

**CCC:** Was there an advertisement in this week's paper about the determination?

**TL:** Yes if it's the one you are referring to, the Department is required to publish the determination.

**CCC:** I think the lady at Flat Tops is very happy that you changed your direction up there.

**TL:** Oh, OK

**CCC:** Probably at the expense of someone else?

**CCC:** Yes I think its Council's road, and we don't mind because that means you have to put the road back.

**CCC:** How can you eliminate a crossing of Hunter River?

**TL:** Sorry, we eliminated A crossing. We had an additional crossing in the original alignment, but this has been eliminated.

**WATER UPDATE** – Prepared by John Ross, presented by Toni Laurie.

General

- New fact sheet on catchment water quality and trace/heavy metals released.  
[http://www.agl.com.au/~media/AGL/About%20AGL/Documents/How%20We%20Source%20Energy/Gloucester%20Document%20Repository/Fact%20Sheets/20140908\\_Fact%20Sheet%20GGP%20%20%20Heavy%20metals.pdf](http://www.agl.com.au/~media/AGL/About%20AGL/Documents/How%20We%20Source%20Energy/Gloucester%20Document%20Repository/Fact%20Sheets/20140908_Fact%20Sheet%20GGP%20%20%20Heavy%20metals.pdf)
- Water quality data sets required under our EPL are now published on AGL main website under:  
<http://www.agl.com.au/about-agl/how-we-source-energy/monitoring-data>

Groundwater Investigation Program:

1. Groundwater monitoring program:
  - Ongoing quarterly (water level) monitoring program across whole network (Sep, Dec, Mar, and Jun).
  - The quarterly report for last 3 months was published on the AGL website in early October.
  - Telemetry systems have been tested at all groundwater and surface water sites around the Waukivory pilot.
  - Next (regional) monitoring bore water sampling program will be in March 2015



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2. Waukivory Pilot Testing Program:
  - Two new monitoring bores (located side by side) are proposed on the Avon River floodplain (east of the river and just north of the confluence with Waukivory Creek) to monitor any changes in shallow groundwater during the upcoming flow testing program. The proposal is:
    - One bore into the shallow thrust fault (to ~50m)
    - One bore into the overlying alluvium (to ~15m)
    - Installation in the coming weeks and baseline monitoring in advance of flow testing
  - AGL has reviewed the monitoring network and monitoring plan and has added this new site to ensure that there is sufficient monitoring of shallow water resources and the fault zones to address community and regulatory concerns. The new bores are an extra AGL commitment to data collection (beyond what is required in our current Waukivory approvals).
  - The other existing monitoring bores are part of AGL's quarterly monitoring program – a third 2014 baseline WQ sampling event occurred late September in advance of the proposed fracture stimulation and flow testing program.
  - A second drilling, completion and baseline report for monitoring bores (with baseline data sets from 2014) will be published late 2014/early 2015.
  - Drilling of WKmb05 (as a geophone monitoring location) is complete. Conversion of the borehole to a water monitoring location is proposed immediately after the fracture stimulation program of WK13.
3. New drilling programs and monitoring network expansion:
  - New monitoring bore completed at Wards River in June (awaiting perforating and installation of logger).
  - New monitoring bore site towards Weismantels planned for drilling and completion in Q2/Q3 FY15.
4. Other water studies:
  - No new investigations.
5. Numerical modelling
  - Phase 3 numerical groundwater modelling commenced – two models: local scale (fault) model and regional model (whole basin) under way.
    - Local scale modelling mostly complete (Final draft report expected mid 2015 after initial Waukivory testing program results).
    - Regional model under way (Draft report expected mid 2015 after additional work programs).

Tiedman Irrigation Program:

- Approval to extend the program to 30 April 2015 granted.
- Blended water irrigation has recommenced.
- Water and soil monitoring program reporting completed for last 6 months (two reports published on AGL website late August)
- Water and soil monitoring programs are ongoing (quarterly water sampling (Aug and Nov) and 6-monthly soil sampling (Nov)).



Notes	Action
<p>Extracted Water Management Strategy</p> <ul style="list-style-type: none"><li>• Desalination strategy for the GGP re-announced in late July.</li><li>• Consultation Draft released and agencies/Council briefed</li><li>• Public release at the GCCC and community information sessions (21 August)</li><li>• Exhibition period closed 19 September<ul style="list-style-type: none"><li>○ Five agency/Council submissions and two public submissions received</li></ul></li><li>• Currently preparing Final Draft for Agency/Council review</li></ul> <p><b>CCC:</b> Will the results of the Tiedman irrigation program be available?</p> <p><b>TL:</b> Yes these all go on website.</p> <p><b>KL:</b> I have printed out copies previously, and can print out more hardcopies for those who would like them.</p> <p><b>CCC:</b> Is the irrigation program in 12 month blocks?</p> <p><b>TL:</b> Yes we will have to review results before we decide whether to extend that or not. This is subject to meeting all requirements.</p> <p><b>CCC:</b> Once they start desalinating, will you be able to run the irrigation program without approval, because you'd not be using a salty product.</p> <p><b>IS:</b> In the extracted water management strategy, I think it's an EC of 200, which is within guidelines of quality water standards.</p> <p><b>TL:</b> The water will definitely meet the standards of irrigation, but what licencing will be approved for that I can't answer at this stage, because being irrigation there are licences involved.</p> <p><b>CCC:</b> Anyone buying into the water plan would also have to have a licence? That's something we need to clarify.</p> <p><b>TL:</b> Yes, we will look into this further in the future. Early stages of project, still a lot of things to be determined.</p> <p><b>CCC:</b> In regards to numerical modelling: To what degree will the modelling be simplified? It needs to be simplified to get some understanding of it. Need technical terms of reference.</p> <p><b>TL:</b> I will follow this up as an action.</p> <p><b>CCC:</b> On page 7 of last meetings minutes says "no blended water irrigation planned at present". But on today's handout it says "blended water irrigation has recommenced"?</p> <p><b>TL:</b> Yes we had approval renewed.</p> <p><b>MU:</b> I think this was discussed in the last minutes. There was a discussion around what would happen if not approved. AGL were waiting on approval. Now it has been granted so irrigation continues.</p> <p><b>MU:</b> Any further questions on the water update?</p>	<p><b>ACTION: Toni Laurie to get terms of reference for numerical groundwater modelling.</b></p>

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**Morning tea break.**

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**MU:** I have some things to clear up before continuing in regards to what was said about the Tiedman irrigation program at the last meeting. I must apologise to Gerald, as I have checked the last minutes and my memory did not serve me correctly.

AGL's approval to irrigate had already been granted. They were not irrigating at that stage, but later they decided to irrigate.

**TL:** I didn't think we had approval last meeting but we did. Due to very dry conditions, irrigation had stopped, but when conditions improved, we decided to recommence.

Also, in regards to numerical modelling – that is part of the scope for council water study with Rick Evans. Rick Evans will review and it will also have to go through State and Federal government agency processes as well for review and approval.

## 5. Community Engagement update – Karyn Looby

*Karyn Looby provided an update to the CCC about recent community engagement events, and issued a document that outlines these activities. Key points are listed below.*

- ➔ On the 2 October the Gloucester Community Investment Program Community Committee met to assess current applications received from local community groups.
- The program seeks to form partnerships with community groups and service providers that contribute to the social wellbeing and sustainable development of the community.
  - The Gloucester Community Investment Program is an opportunity for AGL to proactively support the communities in which we operate by fostering partnerships and providing investment directed by local community.
  - Ten applications were assessed and recommendations by the committee are currently going through the AGL internal approval process.

**CCC:** Can you tell us the scope of plans that got put in?

**KL:** Very impressed. Some community events planned for next year. Including not only approaching AGL for funding but seeking support from others also. A couple related to infrastructure and education.

**CCC:** Who's on the committee

**KL:** Representation from the Gloucester Business Chamber, the Gloucester Shire Council Youth Officer, also Bill Williams the President of Advance Gloucester and also a local dairy farmer, also emergency services representation through the SES.

**CCC:** At Duralie, we pay on invoices so it's all accounted for. How does AGL handle this process?

**KL:** We have thorough governing process as part of the guidelines for the program. Payments will require a purchase order. We also have an expectation to provide an evaluation form and the recipient organisation to respond to AGL within two months of project completion. Community development programs have a much more thorough evaluation process. The community partnership evaluation process is more frequent – ie. six monthly. This also guides our community investment and working with community

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groups on sustainable projects.

**CCC:** Was there any feedback from first meeting that helped to fine tune what you have in place?

**KL:** We discussed gaps/opportunities at the Community Committee meeting and I am always open to feedback to improve processes – for example simplicity and forms to be easier to use. I met with many of the applicants before they submitted their application to go through their application.

- ➔ AGL recently sponsored the following two events:
- Stroud Road Bonfire an' Bash

**CCC:** Bonfire an' Bash got washed out two weeks in a row. 500 people. Had entertainment, fireworks, \$8000 fireworks show we put on from Tassie.

**CCC:** *Group discussion around Bonfire an' Bash.*

- Westpac Helicopter Fundraising Dinner in Gloucester – over \$8K was raised on the night, plus the \$5K donation by AGL, and all proceeds were donated directly to the Westpac Helicopter service.
- ➔ The walk to fight MS – our colleague Doug Ferry who is Health and Safety Adviser for the Gloucester Gas Project is supporting this initiative to raise awareness and funds for multiple sclerosis.
- ➔ The Energy Resource Information Centre website has been established. AGL funding contributes to this website. The website provides factual information around natural gas and has a newsletter and social media presence.
- <http://www.energyresourceinformationcentre.org.au/>
- ➔ Upcoming activities:
- AGL is hosting a visit for agriculture representatives. They are particularly interested in understanding CSG and visiting the Tiedeman Irrigation Trial.
  - AGL has been invited to speak at the next Gloucester Business Chamber meeting on the 29 October. Manager Stakeholder Relations Shaughn Morgan will talk about his role within AGL and the AGL NSW Dairy Connect Partnership.
  - AGL will provide an update on AGL Gloucester Gas Project activities at the next Stroud Garden Club meeting.
- ➔ AGL is embarking on the next stage of our exploration activities. Consultation has begun with landholders and AGL will also be meeting with people who have an interest or are impacted by the project.
- ➔ Last night at the Advance Gloucester meeting AGL was invited to present on the hydraulic fracture stimulation process. Head of Field Development Mike Roy, and Senior Petroleum Engineer Rachel Braikenridge provided the history of the process, types of fractures and modelling, overview of best practice in the industry and Code of Practice, well integrity and diagnostic tools used in monitoring. A sample of the fracc fluid was made up and passed around the group.
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- Both Mike and Rachel have extensive experience in Fracture stimulation
  - AGL welcomes opportunities to present to community groups so please extend the invitation to your networks.

➔ The AGL Complaints hotline number will be advertised in the notification section of the Gloucester Advocate on a regular basis.

- 1300 799 716

**CCC:** Is the complaints phone number a call centre or local call?

**KL:** I will get a text message directly to my mobile phone so I can return call so that it is 24 hours. I also get a notification via email.

**CCC:** Would like to comment on presentation from Rachel and Mike last night. Excellent presentation. Highly recommend for anyone interested in fracking process.

**CCC:** Is Mr Roy available for any community group? He is an excellent speaker and talks in a good language. What is process for contacting him?

**KL:** Yes we can contact him

**Gerald:** Why wasn't the Community Investment Program initially brought to CCC?

**KL:** It was discussed at previous CCC meetings.

*Group discussion about how this came about. Other CCC members agree that that was discussed at a previous meeting.*

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## 6. General Business

**GG:** I'm Retiring from council and will no longer attend these meetings. Rebecca Conner will be my replacement in the immediate future. She's the Manager of Planning and Regulatory Services, and is the appropriate person to be here.

**MU:** So this is your last meeting?

**GG:** Yes. It's been a pleasure and a privilege to be here. Farewell and thank you, and good luck with your deliberations.

**MU:** On behalf of CCC, thank you for your participation and input, which has been very valuable to the project. We wish you all the best.

**CCC:** Several community members have asked about the pre- treatment of waste water. Queries around heavy metals and chemicals used in the fracking process. Concern around Boron for example. Can I get more information on this?

**CCC:** We discussed this while you were away.

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**AK:** In the extractive water management strategy, there is a section on waste water pre-treatment. Currently still working on the engineering design of the plant. It's a work in progress and will be so for a few more months. There are a raft of vendors who have a range of different solutions. Those metals listed in strategy will be removed. In a desalination process, water must be very clean otherwise it will damage the membranes. John Ross has previously given presentations to us and the community on this.

**CCC:** Where can I get details on this?

**AK:** Detail in extracted water management strategy. There is a range of treatments.

**MU:** Could we refer to this in future meetings when you have further detail? Will it be ready by then?

**AK:** Until we have engaged a vendor we can't give exact details as each has their own technology.

**CCC:** The detail that I'm chasing is probably outside of the scope of this meeting but I am interested in technical stuff.

**AK:** Please refer to the strategy as there are detailed tables about water chemistry. Then come back to us with any further questions.

**CCC:** There is an increasing visible presence of AGL security personnel in the area. I've had complaints from several people approached in public places by security staff who told them they were photographed. This is seen as harassment and an invasion of privacy. Can we get an explanation as to why this is happening, and get an apology or otherwise in relation to this behaviour?

**KL:** We have heard this often, so we have feedback from the company as to why we employ security. We have security to help protect the public, AGL staff, contractors and equipment.

AGL, including security, respect the rights of people to undertake lawful protest.

Protestors must also respect the right of AGL's commitment to ensure a safe workplace for its employees, contractors and visitors.

AGL is responsible for the safety of staff, contractors and the security team.

We've also had complaints about the fencing around the office, and measures such as fencing enable us to keep people safe while allowing protests to take place.

AGL has always said that we respect the right of people to protest safely, so having the option of security there is necessary for both sides.

When AGL employees are in the protest environment we are often also captured on film.

**CCC:** I'm not talking about protesters, I'm talking about individuals on a public road being approached by security personnel.

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**KL:** They would need to take that up with the police or personally with AGL.

**MU:** To confirm; if a person is feeling like they are being harassed by a sub-contractor of AGL – they can complain to police or complain to AGL on the complaints line?

**KL:** Absolutely

**MU:** Any other avenues?

**CCC:** I can suggest one, AGL instruct their security staff to desist from this kind of behaviour.

*Short group discussion around this and individual perspectives of what is considered harassment in this context.*

**MU:** Clearly there is a difference of opinion on what constitutes harassment. There are regulators that can make this decision for you. These would be the NSW police or other regulators of the project. We have also been told that you can complain directly to AGL on the complaints line.

**CCC:** That's one of the purposes of this committee.

**MU:** Indeed.

**CCC:** Prior to last meeting, Gerald requested information around hiring of Rick Evans. Gerald did you receive this information?

**CCC:** Yes I received this information from Michael which answered my questions completely.

*No further business was raised.*

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## **7. Next meeting**

The next meeting, after email feedback regarding changing the date, to be held on December 18th at 10am, at the Gloucester Country Club.

Meeting closed at 11:23pm

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**Michael Ulph**

**GHD – Stakeholder Engagement**



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<b>ACTION ITEMS</b>	
<b>Action</b>	<b>Responsibility</b>
<b>Toni Laurie to distribute link for EPL conditions (previous action).</b>	<b>Toni Laurie</b>
<b>Toni Laurie to find out what the sampling rates will be for flowback and produced water and whether data will be published on website.</b>	<b>Toni Laurie</b>
<b>Is it possible for an independent observer present when water sampling and testing be done for flowback water?</b>	<b>Toni Laurie</b>
<b>Toni Laurie to get terms of reference for numerical groundwater modelling.</b>	<b>Toni Laurie</b>