



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 18 December 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 Jerry Germon – Community Representative Rod Williams – Community Representative Ray Dawes – Barrington Gloucester Stroud Preservation Alliance Clr Karen Hutchinson – Great Lakes Council Rebecca Connor – Gloucester Shire Council David Mitchell – Avon Valley Landcare Dr. Gerald McCalden – The Gloucester Project Ed Robinson – Lower Waukivory Residents Group Anna Kaliska – Mid Coast Water Clr Aled Hogget [AH] – Gloucester Shire Council Michael Ulph [MU] – GHD (Chair) Alexandra Parker – GHD (Minutes) Observers / Presenters Alex Kennedy-Clarke [AKC] – AGL	Apologies	James Duggleby – AGL Hydrogeologist Clr Tony McKenzie – Dungog Shire Council Toni Laurie [TL] – AGL Land and Approvals Manager
		Others not present	Lisa Schiff – Great Lakes Council Clr David West – Mid Coast Water Lee McElroy – Port Stephens Council Dan Rose – CEO, Forster Local Aboriginal Land Council

Notes

Action

1. Michael Ulph (Chair)
Welcome and Acknowledgement of Country

Meeting commenced at 10:07am with introductions.
MU: The replacement for Graham Gardner from Gloucester Shire Council is Rebecca Connor. Also AGL's James Duggleby (an apology) will be replacing John Ross in relation to hydrogeology and water reporting as John Ross has retired from AGL.



Notes

Action

2. Meeting agenda

- Welcome, Apologies, Introduction
- Acceptance of last minutes and matters from the previous meeting
- Project Update, including water update (*Alex Kennedy Clarke*)
- Morning Tea break
- Community Engagement update (*Karyn Looby*)
- General business
- Next meeting & 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.

1. Toni Laurie - required to distribute link for EPL conditions
Completed. EPL Conditions can be found on NSW EPA's website at:
<http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=38096&SYSUID=1&LICID=20358>
2. Toni Laurie - sampling rate data for flow back on website
Completed. Sampling locations and frequency are best defined in the EPL and the Waukivory SGMP. For each of the gas wells the frequency of sampling (as defined by the EPL and the SGMP) is every fortnight during flowback and every 2 months thereafter for the produced water until the cessation of the flow test. Data that is collected in accordance with the EPL conditions is published on the main AGL website at <http://www.agl.com.au/about-agl/how-we-source-energy/monitoring-data>
3. Toni Laurie - Is it possible for an independent observer to be present when water sampling and testing be done for flowback water?
Response: Water sampling and testing has been observed by the NSW Office of Coal Seam Gas, NSW Department of Resources and Energy and the NSW Environment Protection Authority.

MU: I'm guessing this means that AGLs response is that.

KL: It's quite thorough.

MU: It is quite thorough and is being independently observed by the Government. Ray, I think that's a 'no' [to your specific request].

CCC: It certainly sounds like a no to me, and I would like to register disappointment in minutes.

CCC: I think the response evades the question. It was a direct question about independent observers and it wasn't answered. Could we have a direct answer to the question?



Notes

Action

KL: We could still revisit this internally, but since these agencies are observing, is there a need for additional? The website contains near-time data and people can look at the results.

MU: I read this as you saying these Government authorities are considered to be independent [of AGL], and so an independent observer is here [present]. But I don't want to put words in your mouth or pre-empt the answer.

IS: Those agencies have observed the sampling and also have taken their own independent samples and have taken them off for independent analysis.

4. Toni Laurie - to get terms of reference for numerical groundwater modelling.
 - Use the latest conceptual hydrogeological model, geological model and monitoring network data to develop calibrated numerical models
 - Develop numerical models that can replicate the observed seasonal variability
 - Develop a calibrated steady state regional model for the whole study area
 - Use the regional model to predict the potential impacts to shallow aquifers and surface water resources (and indirectly any associated ecosystems)
 - Prepare 'impact assessment' modelling report/s that describes the impacts of the Stage 1 GFDA (Gas Field Development Area) development that will satisfy the respective planning conditions.

MU: Ray you pre-empted that this would be technical in nature.

CCC: Does that include integration of the flood study? The surface water could be a pain.

AKC: It is a hydrogeological model and, yes the results of the flood study would be considered as part of it.

MU: OK thanks.

MU: Any other issues?

The last meeting minutes were moved by Karen Hutchinson and seconded by Rod Williams as a true and correct record.

4. Project update

MU: The next item is the project update including the water update.

AKC: Starting on the exploration update on the Waukivory pilot as you all know at the last meeting we were still in the civil preparation stage of the project. We have now completed the fracture stimulation aspect of that project. We successfully fracture stimulated the four wells and that part of the program is complete. We are currently in the process of doing the work over and completion part of the project. We have done two of the wells, the work over has been completed on those and the other two will be done in the next few weeks.

In terms of other exploration activities. We are looking at doing another exploration pilot next year towards the middle of the year around the Wards River area. We'll be



Notes

Action

providing more information in the New Year.

Generally on the project. The key item to update everybody on is that we are doing some work on a modification to our Part 3A approval. That modification came about as a result of the engineering design studies we have done. It is to clarify what we are doing at the central processing facility. The key elements of the modification, the major one being that we have decided to go with electric drive compressors instead of gas driven compressors. That will require a connection to Transgrid 130 KV lines that run to the east of the site so the modification will include a new transition line from Transgrid over to the central processing facility and a substation on the site. That's the key aspect of the modification. The other aspect is to clarify the latest layout of the central processing facility and also we will be seeking to modify the construction hours for the processing facility to be seven days a week.

MU: Construction hours?

AKC: Yes. At the moment it is a five and a half day work week and we are seeking to make it a seven day work week which is in line with current industry practice. The usual roster for people in that industry is three weeks on and one week off so that is what we are seeking.

CCC: Does that include 24 hours a day?

AKC: No, just 7 days a week, standard construction hours.

CCC: How many hours?

AKC: 7am-6pm, just at the central processing facility site.

MU: 11 hour days.

CCC: Electric drive versus gas. What's the rationale for that?

AKC: There are 2 elements

The first was the analysis of economic benefits of running gas vs electric drive compressors. It shows that electric drive is more beneficial from that perspective.

The second being from an environmental perspective it does eliminate the need for gas engines and the emissions and noise of gas engines at site. That does reduce emissions and noise impact. There is an environmental benefit at that location.

CCC: Will you be using it? Where does that leave the 15 megawatt generator?

AKC: We will not be making any modifications to the generator. It will not be included in the part 3A modification.

CCC: Will you still have it?

AKC: We will still have it. We have still got plans for it. It is not going to be included in the first stage of modification of the project. We will not seek modification in relation to the generator.

AKC: In terms of timing of the modification, we are looking to do some consultation in February with a view to lodging the modification in March to the Department of Planning.

CCC: Is that before or after the election?

AKC: March, the election is not a factor in what we are planning.

KL: The factor was the school holiday period. We have taken that into consideration, we want everyone who wants to be there to be there.

CCC: The capacity of the compressor?

AKC: Each compressor. I think each is three megawatts. They are quite large.



Notes

Action

CCC: How many compressors are there?

AKC: Six.

CCC: Two in Camden and a spare?

AKC: Six in total. We currently have capacity of eighty terajoules a day and we are not seeking to modify that. There will be no change in terms of the capacity of the plant.

CCC: That's terajoules delivered to Hexham?

AKC: Terajoules produced out of the facility, yes.

In terms of the high pressure gas pipeline the key update is that we are very close to finalising the land access agreements along the pipeline, and we will be progressing with seeking the pipeline licence to be granted by DTIRIS (NSW Department of Trade and Investment, Regional Infrastructure and Services), early in the new year.

CCC: How many land owners still haven't signed up?

AKC: I think it's about four.

CCC: Four? Last I heard was two.

MU: It's a small number.

AKC: I think there are 138 land holders on the pipeline. It is a pretty small percentage.

Just on the front end engineering design we have completed that study now so that is what's been driving the Part 3A modification and will feed into those decisions.

MU: And that's still to be approved by the board in order to proceed is that right?

AKC: That's our Final Investment Decision, and at the moment that's in the fourth quarter of 2015 that we're targeting that decision.

CCC: That's calendar year?

AKC: Correct.

MU Thank you.

CCC: So the details of design, do you have to publish that or submit somewhere? To regulators?

MU: The detailed design?

CCC: The preliminary design.

AKC No it doesn't need to be submitted. We must supply as part of our conditions of consent, some of the safety studies etc. so associated with the design of the facility. That's done along the whole process through to commissioning and first gas so there are some conditions relating to that. As long as the design meets the requirements of Part 3A approval, there is no need to actually submit the design.

MU: Thankyou. Let's move on to water.

Water update

From late October 2014 to present with upcoming items (to occur after 18 December 2014) shown in italics.



Notes

Action

General

- Water portal telemetry now live for groundwater and surface water data at Waukivory. Visit:
<http://www.agl.com.au/about-agl/how-we-source-energy/natural-gas/water-portal>
- 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).
 - 2014 annual status report on water level trends released in November.
 - September quarter monitoring update released in October.
 - *Next (regional) monitoring bore water sampling program will be in March 2015.*
2. Waukivory Pilot Testing Program:
 - Two new monitoring bores (located side by side) completed 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. Baseline monitoring complete; *telemetry to be installed by end of December.*
 - Baseline water quality monitoring (pre fracture stimulation) occurred in September and October.
 - Water quality monitoring during the fracture stimulation program completed in accordance with the SGMP.
 - Conversion of WKmb05 is complete (six intervals to monitor groundwater pressures at depth). *Operational from November.*
 - *WL and occasional WQ monitoring will be ongoing for the flow testing program (in accordance with the SGMP).*
 - *A quarterly report detailing water quality and level trends for Waukivory Pilot for the period 1 September to 31 December will be issued by the end of February 2015.*
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 Q3/Q4 FY15.*
4. Other water studies:
 - No new investigations.
 - Release of the following reports:
 - Completion report for Faulkland and Bucketts Way monitoring bores.
 - 2014 monitoring report for the Craven 06 flow testing program.
5. Numerical modelling



Notes

Action

- Phase 3 numerical groundwater modelling ongoing – 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 programs are ongoing (quarterly water sampling (Nov) and 6-monthly soil sampling (Nov) completed).
- *Water and soil monitoring program reporting underway for current 6 months.*

Extracted Water Management Strategy

- Desalination strategy for the GGP extracted water reannounced in late July (exploration produced water will continue to be blended and irrigated).
- Currently preparing Final Draft for Agency/Council review.

[Alex read from and extended on the above report]

AKC: On the water update there are a few general items.

We have now launched a water portal which has live ground water updates that people can access through website. That's reading directly off some of the equipment that we have installed at monitoring locations.

The water quality data sets which are required under environment protection licence have been published on the main AGL website, so we can provide a link for that.

Groundwater Investigation Program. Firstly the groundwater monitoring program – We've got an ongoing quarterly water level monitoring program across the whole network and that's done in September, December, March and June so we are coming up for the next round this month.

The 2014 annual status report on water level trends was released in November. The September quarter monitoring update was released in October and the next regional monitoring bore water sampling program will be released in March 2015.

In respect to the Waukivory Pilot water testing program there's two new monitoring bores that have been installed, located side by side on the Avon River flood plain just east of the river and north of the Waukivory Creek. They are basically to monitor any changes in the shallow groundwater during the upcoming program for Waukivory. We have completed the base line monitoring for that and will be installing telemetry on those wells by the end of this month so they will be also available to be monitored via that live website.

We have done the baseline water quality monitoring which occurred prior to the fracture simulation commencing, and that was done in September and October, and the water quality monitoring during the fracture simulation program was completed in accordance to the Surface and Groundwater Management Plan.

We have converted the Waukivory five which was used as a micro-seismic bore, that's



Notes

Action

been completed now as a ground water monitoring bore down to about a thousand metres I believe, and has got six intervals along that bore hole that we are measuring.

The water level and water quality monitoring will be ongoing during the flow testing program for Waukivory and that will be done in accordance with the Surface and Groundwater Management Plan and there will be a quarterly report detailed for water quality for the Waukivory Pilot for the period 1 September to 31 December to be issued at the end of February, so that data will be available then.

We've got new drilling programs and monitoring network happening towards the southern end of the basin at this point. There's some work going on in the Wards River area and some more work further south in the Wisemantles area to start gaining some of that baseline monitoring information from the southern part.

We have also released some other water reports, one on the Completion Report for the Faulkland and Buckets Way monitoring bores and one for the Craven 6 flow testing program.

We have already discussed some elements of the numerical model. In terms of timing we are expecting that the final report will be completed mid 2015 because we need the results of the Waukivory Pilot Program to inform the development of that model.

CCC: What date was that?

AKC: Mid 2015.

CCC: Mid?

AKC: Yes.

CCC: My thought is that you won't get full gas on until the end of February, beginning of March and in June you're going to be complete with the Waukivory pilots. Is that what you are saying?

AKC: No, I said the hydrogeological model will be complete in mid-2015 taking into account the water study data from the Waukivory Pilot.

CCC: Yes but you're only going to finish de-watering in the end of January. Three months later you're going to say that's it, so there's not going to be very much valid information about those Waukivory pilots in three months. Those wells will last for fifteen-odd years and you're going to do it in 3 months [tell us of the results]?

AKC: In terms of the ground water modelling the key element that needs to be assessed out of the Waukivory Pilot is the dewatering phase prior to gas production. That's when the wells are dewatered and that's the information that will go into ground water model. That data will be available for a few months prior to the finalisation of the groundwater model in June.

CCC: I don't think it's long enough for dewatering.

CCC: Mr Chair I support Ed's comments. I don't think its sufficient time. The monitoring bores in my observation appear to be too far away and speaking of monitoring bores could I have the GPS coordinates? I've got the coordinates of the wells, but I'd like to have a closer look myself, but I personally think they are not close enough and the flaring is not long enough to give you any sort of positive result. I expect you'll get absolutely a null-result. That's what I would expect.

I certainly do hope you get a result but if you do get a positive result it's going to be a



Notes

Action

terrible mess.

AKC: In terms of your first question about the location of the monitoring bores, all that information is accessible through that water portal.

CCC: It's on the website is it?

AKC Correct. If you click onto the bores it actually has all the data, all the GPS coordinates and all the water monitoring data is available, for anyone to look at on the website.

In terms of your other comments regarding the suitability of the location of the wells that's something that I can't answer and we'd have to get our hydrogeology experts to answer.

CCC: My question was in relation to that you're going to come up with some premises after you've dewatered those wells for something like two or three months. The Waukivory Pilot originally was supposed to run for 12 to 18 months. Now you're cutting that time down to 3 or 4 months which will effectively cut it from 75 to 80 percent. I would suggest the results will be insignificant.

AKC: Seek advice from hydrogeological experts re location of the wells, for the next meeting.

AKC: I'd like to clarify, I didn't say we were only going to run the Waukivory Pilot until June.. I said that we would have the hydrogeological model completed in June. The pilot will run for 12 – 18 months until we have sufficient data for the gas flows from those wells. The dewatering component of the Pilot Project happens in the first two to three months once the wells come online. Once you dewater then you start to get gas to flow. So most of dewatering and the data that is required to develop the hydrogeological model can be obtained in first three months of that program. After that the wells are dewatered and that's why we get gas to flow. The Pilot will run until we believe we have sufficient and correct information to use for all the studies that we need to do. We believe that it will be about three months and we will have sufficient data for the hydrogeological model. But we will see what happens when we run the test. This is our opinion at the moment that at that point in time we will have sufficient data but we will only know that by actually conducting the study.

CCC: I'm confused. Well will be de watered. Gas will be produced. Doesn't water come with gas all the time?

AKC: A very small amount.

CCC: Can you give me an approximate?

AKC: I can't sorry.

CCC: I have a picture of one of your graphs that shows there is certainly a peak at the beginning but water is produced considerably all through. It's still a considerable volume coming through.

AKC: We can get back to you with that at the next meeting.

MU Gerald I've seen graphs that look like this *gestures up and down* and this *gestures up and down* and yes there is a peak at the beginning but it does drop off after a short period of time. There is then water flowing for a long time but reducing over time.

CCC: Mr chair the appropriate info for those who are not well versed in the likely effects might be how de watering propagates over period of time. Are we going to see affects at the monitoring sites within three months or will it take some time to work over the geological system and produce an impact? If an impact is produced at all? We need to



Notes

Action

know if 3 months will be effective or should we expect some transmission that won't be picked up in 3 months. That would speak to the adequacy of the hydro...

MU: Just to jump in, what I've heard Alex say is that in first period, that 3 months period is looking to complete the model and they will use that model ongoing from there on.

AKC: I guess what I'm trying to say. The bulk of data in terms of de watering will be available to input into the model after 3 months. Model will continue to evolve. Water information that we have across the whole field over last 6 years of project including all the other flow tests that have been done on the other wells. This is not the only data we are relying on but it is quite key information. Model will be peer reviewed. Submitted to the state and federal agencies. It will be peer reviewed by independent scientists. A lot of scrutiny in terms of what is being done and adequacy of model and data.

CCC: From my perspective Mr Chair I still want to know about the propagation of these effects because this is the first time that we've had these types of monitoring around these operations. For our own satisfaction for community we need to feel comfortable that we are not going to see unanticipated results six months, eight months or twelve months down the track. I want assurance that three months is a good time for data.

I expect this question won't go away until you can satisfy sceptics that that's reasonable.

MU: Can that info be forthcoming over time?

AKC: As it evolves. Model is live and will be continuous.

CCC: Decisions are going to be made in a relatively short period of time even though the model is going to continue to be developed.

CCC: Ground water monitoring bores at Waukivory. Data will still be collected for how long?

AKC: Whole time work is being done on those wells.

CCC: The whole Waukivory Pilot?

AKC: Sure, yes.

CCC: In relation to stage one Anna, that ongoing monitoring is ongoing right through the project. It's not something that stops. It's part of our approval conditions to do that monitoring is part of the Environmental Protection Licence

AKC: It will be part of quarterly data.

AKC: That will end up becoming part of that quarterly monitoring report that we do. Ongoing.

CCC: How will that be interpreted? It is quite important. If there will be an impact caused it will take time. It will take time for an impact to reach the monitoring bores. They are far from gas wells. Interpretation of data: how will we see reports? How will it show if there are impacts or not?

AKC: So there will be reports provided. The first one will be provided by the end of February and as per all our water monitoring reports it will be available on website. We will continue to provide updates and reports. All available on website.



Notes	Action
CCC: But this is graphs and figures not interpretation. How will we know that something is going on?	
AKC: The reports have interpretation in them.	
CCC: I can't see any of it; monitoring reports are only graphs and figures. No assessment of data.	
AKC: I'll have to get back from James with that. It's all going to feed into model. That's the key interpretation of that information.	
MU: When three months arrives James can come speak at this forum?	
AKC: Yes	AKC: retrieve this information for next meeting: find results of soil sampling for irrigation program
MU: If it could be in simple terms, that would be great – if I can understand it, then I expect everyone will be able to.	
CCC: Is it intention that the data be peer reviewed? No objection. If it is that would place confidence on the data and make it acceptable for community. Not that I don't trust AGL but when vast amounts of money are involved things can get lost.	
AKC: All information gathered as part of Waukivory Pilot will be peer reviewed by Doctor Rick Evens as part of the council studies. Submitted to state agencies. Federal agencies for review and approval. Independent review at two levels of government. And through independent scientific expert engaged by Gloucester council.	
CCC: It's feeding into approval conditions. Discussions about modelling is all part of approval conditions overseen by significant oversight.	
AKC: More on water. The Tiedmans Irrigation Program was extended to the 13 April 2015. We have commenced blended water irrigation, water and soil monitoring is ongoing, quarterly sampling which was done in November, six monthly soil sampling also done in November. In terms of extracted water sampling strategy which had discussions around last year with John Ross. There has been quite a lot of presentations and discussions. We are still reviewing final draft and taking comments from agencies, councils and community.	
CCC: Soil sampling from November, what did that show?	
AKC: I don't know that detail.	AKC: Organise supply of the November soil sampling results for the next meeting
CCC: Can we get that for the next meeting?	
Other items	
AKC: Bioregional assessment. We had an update last week from CSIRO.	
That's still progressing and is on track for the Gloucester area to be completed by June 2015. All the 3D surface water ground water modelling has been completed as part of bioregional assessment. Two models for that one looked at weather zone, 2 nd alluvial, surface and ground level interactions.	
The receptor impact modelling is underway with consultation with the NSW Office of Water and further workshops will be held in 2015 on the modelling.	
MU: Workshops with various stakeholders? Is it including the community?	
AKC: I don't know. This is a process that the bioregional assessment is running. I'm not	



Notes	Action
<p>sure how they are planning to run those workshops. That was just a quick update we received.</p>	
<p>CCC: Last time they were closed workshops for technical people. I imagine it would be the same.</p>	
<p>MU: Any further questions of Alex?</p>	
<p>CCC: I have one question about Waukivory. What is the timetable for flow back water to come back to the surface?</p>	
<p>AKC: As soon as wells are completed and we can install the pumps we will start producing the water. In a matter of weeks.</p>	
<p>CCC: How much flow back water have you actually got to deal with?</p>	
<p>AKC: I'd prefer to get back to you about that. I have a number in my head but I'd like to make sure it's the correct number.</p>	<p>AKC to advise the amount of flow back water that is expected.</p>
<p>CCC: Can you email that to us? We have waited for two months, or just give a ball park?</p>	
<p>AKC: I can only confirm the number is below what was stipulated in the REF but I'd have to confirm the exact number.</p>	
<p>CCC: On subject of Waukivory Pilot. I've noticed you've pulled the drill rig down from number two well. You will be working on the next two wells over the next couple of weeks. Will I have the drill rig stuck here over Christmas?</p>	
<p>AKC: The rig will be staying on location.</p>	
<p>CCC: Will it be put up over the Waukivory 14?</p>	
<p>AKC: I'm not sure the exact program for that.</p>	
<p>CCC: Just in terms of the flow back water notification. I'm going to start receiving calls about truck movements, so is that early January the pumps will be installed? Or looking towards the end of the school holidays?</p>	
<p>AKC: It will be as soon as we can.</p>	
<p>CCC: Will there be a Christmas break?</p>	
<p>KL: That's not decided, they are talking about that at the moment.</p>	
<p>MU: I think that's a reasonable request to find out if there is a break over Christmas, Karyn maybe you can let me know and I will forward it on.</p>	<p>Karyn: Find out if there will be a break over Christmas.</p>
<p>KL: Yes</p>	
<p>MU: Further questions? No? Thankyou Alex lets break for morning tea.</p>	
<hr/> <p>Morning tea break. Break for morning tea 10:53am</p> <hr/>	



Meeting Resumed 11:07am

Karyn Looby: Community Consultation update

➔ Gloucester Community Investment Program

- We have started to advertise the next funding round for the Gloucester Community Investment Program
- We will accept applications for the next funding round during the month of February 2015.
- The application form and guidelines can be found on the web www.agl.com.au/Gloucester, or by contacting the Gloucester office.
- Recipients of the last funding round were:
 - Gloucester District Archers – for new equipment to support a new member coaching program
 - Country Women's Association (Gloucester) – conference equipment to host events, meetings and activities
 - Rotary Club of Gloucester – outdoor fitness station to contribute to the Gloucester Outdoor Fitness Trail
 - University of Newcastle – supporting the Science and Engineering Challenges in our region
 - Gloucester RSL Sub-Branch – contribution towards the Centenary of ANZAC 2015 event

➔ Cooperation Agreement with the Gloucester Business Chamber

- Last Thursday AGL signed a Cooperation Agreement with the Gloucester Business Chamber, to work with the Chamber to develop a Local Procurement Program, benefiting the local community.
- As part of the Agreement, the Chamber and AGL will work together to outline the opportunities available and the skills and training needed for each stage of the project.
- We will also investigate opportunities for trainee and apprenticeship programs.
- While there are specialist management, engineering and procurement skills that will see AGL bring in major companies as primary contractors, AGL intent is to work with local businesses to help them be competitive sub-contractors and suppliers for the Gloucester Gas Project and meet AGL's safety, environment and quality needs and be competitive.

➔ Community engagement and communication

- Over the past year AGL team members have continued to engage with people in the community to provide information about our project, so that people can make their own decisions about the project, and to provide valued feedback to AGL.
 - This has included:
 - 650 emails
 - 210 meetings
 - 200 phone calls
 - 50 site tours, information sessions and events
 - Meetings with landholders
 - 10 mailbox (direct letters and newsletters)
 - Online dialogue (Twitter, YourSayAGL)
-



- Webpage articles and documents
 - Community updates in local papers fortnightly
 - E-news monthly
 - Media releases
 - The AGL Complaints hotline number is 1300 799 716.
- ➔ AGL is embarking on the next stage of community consultation for our project.
- Consultation has begun with landholders and AGL will also be meeting with people who have an interest or are impacted by the project.
 - Project activities include exploration, Central Processing Facility, Pipeline and Construction and Environmental Management Plans
 - We will be hosting a drop-in session in the New Year which will be advertised widely as everyone who has an interest is invited to attend.

KL: I'm really open to feedback and ideas from the CCC on community engagement activities, about what we can be doing, and what has been working?

For example, the CCC and Gloucester Shire Council said we need to put more updates in the local paper and we need to broaden where we are communicating to, so we increased the number of updates and we also increased the number of papers that we put our publications into.

I had some really good feedback about offering site tours, so we can continue to offer more tours in 2015.

Is there any interest, for example next year, in holding an open day where we invite people to come to site and talk to our staff who are technical experts in their field?

Also, what have we been doing too much of? For example, do I need to be sending the e-news communications? I was doing it fortnightly, and had feedback that it was too much, so I reduced it to monthly. I haven't heard if that's a good frequency for everybody.

We've been publishing newsletters in the region; they have been going out quarterly, so really interested to see what you think we could do more of.

As Alex mentioned, we will be doing some consultation on our exploration and modification. We'd like to provide the opportunity through community information drop in sessions for people who are interested or who feel like they are impacted by our project activities to come and meet with us. So the invitation will be an open invitation so that anyone who wants to be consulted and engaged, can be.

I'm conscious that around Stratford there are a lot of people who come up on weekends, and work away. How do we make ourselves available for those people?

I was thinking we could do something over a full day on a Friday, or have two days, a mid-week day and a weekend day? Because I'm also conscious that we don't want to cause consultation fatigue, so we'd like to try [consult on] the Part 3A modification and the exploration at the same time, to limit that, but also to make sure that we've got everybody there that needs to be, for different parts of the business [AGL], and different technical areas to be available for that period.

If you have any ideas please me know

We have had a lot of face to face and one on one consultation. I was wondering if I took myself down the street, into the community so that people knew that every



Monday afternoon I'd be at a particular coffee shop or something that allowed people to drop in, would this be a good idea?

I am open to ideas.

CCC: With the community funding. How many applicants did you have?

KL: Currently ten. Five have been successful, one is pending, based on whether or not they get grant funding from the State Government, and one has been declined.

CCC: When you say one was declined?

KL: They have all received a notification, I went back to the committee to refer the responses we had to follow up, and then collaboratively we decided that no, on this occasion that application won't be successful.

CCC: Oh right.

KL: We have also had an application through for a trade training day next year, and we've invited them to come and speak to us at the next community committee meeting. Everyone on the committee thought it was a great opportunity to learn more about it and see whether or not there was potential for a link with some of the people on the committee and their businesses.

CCC: Have you modified the application form for grants from last year?

KL: It is the same, but due to community feedback on the Program we have separated youth and education. As education is not just connected to youth. I haven't received any other feedback regarding the form, apart from talking to our communications team about making the form easier to use. But I do welcome any feedback, because the next round starts in February and that's when people will start using the form.

CCC: Have the unsuccessful applicants been notified in writing? And when?

KL: Yes, they were notified I think last week.

CCC: I think it was the week before. I know they knew last week.

KL: I can follow up if you'd like to know, they did receive a letter in writing or an email.

CCC: What's the bucket of money worth?

KL: For that funding round it was 35K.

CCC: That will vary from time to time?

KL: Yes we have looked at the budget and that may become another 35 K for the next funding round. If there are some fantastic programs that come through, and I've got money in my budget for the end of financial year, then there's opportunities there. I don't want to limit it just because we don't have a budget. The AGL contribution doesn't have to be monetary. It can also be in-kind.

CCC: The NSW gas plan is in draft form, and released a few weeks ago. In there, there was a section about sharing the benefits. I know AGL have talked about it and initially the state government was talking about 45% of royalties with AGL contributing a similar amount. I'm a bit concerned as we've always been told as a community that because the approval for this project precedes all of these new initiatives, that we may not be eligible for them and the two kilometre exclusion zone is a good example of that. Is there any sense of where things are going with sharing the benefits with this particular project?

Karyn: Follow up to find out when applicants were notified regarding their grant applications.



KL: Absolutely.

We have already had conversations with Gloucester Shire Council in regards to that, we are obviously looking at how we can best support and put the money back into the local community. Thinking about that we've got four local government areas, Dungog, Port Stephens, Great Lakes and Gloucester. There are varying impacts, and different ways that government areas are impacted. The social impact and opportunities assessment that we are going to be delivering on, is really important to inform the AGL community investment program moving forward. When we hold the community consultation sessions next year I encourage people to come along and help identify the key benefit areas and who are the key partners that we can work with in the community. If there is considerable money to be put back into the community, we need to be doing it in the right way and that's done through strong consultation with Council and through partnerships.

CCC: The global question for me is are we going to be treated in this respect exactly the same way as every other area of NSW or are we going to continue to be treated a bit like a second class citizen and guinea pig which is what has happened up until now because of the prior approval? Essentially the government is progressing with an agenda for reforming the environment in which coal seam gas exists and I think it's a great idea. A large part of that progress is due to pressure that is exerted by communities like Gloucester yet we don't seem to be getting the benefits from it.

KL: I know that AGL is really committed to putting back into the communities which we operate in. I know that as an employee and also in the work that we are delivering on, and also through the conversations that we are having, with Councils for example, and also because we've been given support to do the Social Impacts and Opportunities Assessment, so we can really identify what those key programs and partnerships will be so we can make informed decisions where the investment is going to go back into.

CCC: In a more formal sense it would be great if at the next meeting you could you give us a clear idea of how AGL sees *sharing the benefits* in this community, and the potential impacts of that.

KL: Yes

CCC: I understand

KL: I think through the consultative process for the Social Impact Opportunities Assessment (SIOA) that will be part of that, then when the SIOA completed will be able to come back and present and provide the details. You will be involved in that process, so everyone in this room can come along and be involved in the process.

CCC: A bit of feedback I had regarding Beyond Blue visit. I guess you guys already have the sense that it caused a fair bit of uncertainty and distress in the community from various angles. I was a little unclear as to how it developed. It seems to me AGL did have a fair bit of input into that and certainly claimed some association but we are getting press from Beyond Blue saying there is no association between AGL and Beyond Blue. I am a little confused about what happened.

KL: Beyond Blue got the sense that there was concern and we stepped back. The media release said AGL's not a funding partner. There are charities AGL employees have said 'hey this is important to us' and AGL have said, we will list these charities as charity partners and when an AGL employee makes a donation AGL will match it. Beyond Blue is a charity partner of AGL therefore donations made to Beyond Blue by employees can be matched by AGL.



How Beyond Blue came about, in February there was a gentlemen in the community, a farmer in the community not working for AGL who approached me and said to me 'Karyn, I've spoken to a couple of farmers and I'm really passionate about doing something in this space. He was involved with some mental health professionals and we got together and we had a meeting. We said it'd be awesome to do some internal education around this. I thought to myself 'Oh well actually I'll see if Beyond Blue is one of the organisations AGL donates to' and they were. I rang Beyond Blue directly, and said we have an affiliation with this charity in regards to our employees; our employees are very passionate and asked if there was an opportunity to provide information or material etc. and they said 'Oh Karyn, we have a bus travelling around Australia.' This was back in February or March. I asked if there was any chance the bus was coming to Gloucester and they said yes let's try and work that out. Beyond Blue updated their schedule to visit Gloucester, and confirmation by Beyond Blue was given in September/October. I'd also, during that time, spoken to a couple of community organisations and people and asked was it a good idea? People thought it was a great idea. They really encouraged it, we had people from different community groups say they supported it and asked what they could do and so the Beyond Blue bus came to town.

It's quite disappointing the outcome of that visit by Beyond Blue. The intent of the event in Gloucester was no different from the intent of the over 300 [Beyond Blue] events that have occurred all around Australia. So we did step back from organising when we realised it was causing some concern for some members of the community. Then Beyond Blue took over.

We gave them all the contacts of all the people in the community who were involved. I actually met with a lady post event who opposed that AGL was involved. I said 'obviously I have been talking with people in the community about this activity and obviously I'm talking to people who aren't as opposed as you are to coal seam gas, I've been talking to professionals, I've been talking to organisations and colleagues etc'. I said then 'maybe this is great that we are sitting down and talking about this in the future, perhaps, when there are other activities we are proposing to support or bring to town. Perhaps I can give you a call and we can talk about it and you can give me your ideas and views etc.' She said she wasn't interested. So I ask for feedback for the community and if all I'm hearing from people is people say 'yeah it's a great idea lets work together on this' and other people who are opposed are not standing up and not letting me know, before it happens, not engaging. I am offering everyone to talk to me, including those opposed to our project. The reason we got involved is that we were asked to and that an awesome activity that creates awareness and supports people who have depression to go the extra step and make it less foreign to talk about it.

CCC: I'd like to add to that. I find it's unfortunate that a certain element of the community feel they have a monopoly on depression and anxiety. I've been to a lot of Christmas parties to do with dairy farmers specifically in the last couple of months and I can tell you what, prior to this bloody rain, the fella's weren't travelling very well, right across the landscape, that's Dungog, Gloucester, wherever you want to go. Even on Allen Jones I copped a spray, and I wasn't even there. That just indicates the level of misinformation that floats round this community at a drop of a hat. It absolutely blew me away. The way Allen Jones spoke about it actually degraded the genuine rural farming community that do struggle, not just at this time, but right across whole landscape. Advance Gloucester we actually got a speaker in there a few months ago, a burns victim, and one of the big things he [spoke about] was depression. I find it totally offensive personally that an element of the community has picked that up and used it as a battering ram. It's absolutely disgraceful. I have nothing to say about AGL's



involvement in that programme. I thought it was a bloody good initiative when I heard it was coming to town and I understand it got reasonably well supported. The backlash that's come from that is absolutely appalling. I am absolutely disgusted with it.

CCC: Can I just suggest...

CCC: I support that opinion there Rod, I actually heard the radio interview and what she said was nothing but lies.

CCC: It was disgraceful.

CCC: Absolute lies.

CCC: Just some feedback I think there were two forums you could have brought the proposal to before you took the initiative and invited Beyond Blue. The Dialogue and this forum. I'm not suggesting Beyond Blue should not come to Gloucester, and I'm not suggesting they don't do valuable service. I actually did a lot of telephone counselling for depression and suicide as a telephone councillor myself so I understand the value of these services and the importance of these services. However, I think it's a really good idea to run these ideas before a forum like this before you make the unilateral decision because there are sensitivities.

CCC: Excuse me

MU: Wait until Aled's finished please Karen, you can speak next.

CCC: I think that's the purpose of this forum and I think you might have avoided a lot of problems had you done that.

CCC: If Lions or Rotary or someone wanted to bring Beyond Blue there'd be no question. You'd all support it. It's a shame, Rod talks about the dairy industry and depression, look at the chicken industry at the moment there's a hell of a lot of depression in the chicken industry.

CCC: We have got to be sensitive to this. Even at the last Dialogue it was brought up after the event. It wasn't even mentioned oddly enough. But the theme fell out. It was a hypothetical Aunt Mary. People in the 2km zone feeling cheated and understandably anxious with the situation they are finding themselves in. Without even mentioning Beyond Blue, without even mentioning that bus, the theme came out. Once again, I said then there are people in this who are genuinely affected and I think most of us are genuinely concerned and have empathy with that. Outside of that there are other ones who are not even on the bloody radar that are stirring up rubbish and that's making the Aunt Mary's even more anxious, it's a compound effect. Love it or hate it, that aside, to the landholders, it was a kick in the guts to sit and listen to some of that rot.

CCC: I haven't heard it.

CCC: You don't want to. It's the lowest thing I ever heard.

CCC: What I am saying is I think these forums are really good for addressing some of these things up front, so that you don't get this community backlash against what I believe is a really worthwhile initiative.

CCC: We are all in this together. Doesn't matter what side of the bench you are, whether you're a farmer or a teacher.

CCC: What I thought was very offensive was the fact that Rod was there and was named as chairman of Advanced Gloucester.

CCC: I wasn't there; they couldn't get the bloody name right.



CCC: Oh right, well it doesn't matter, that word Advanced Gloucester. Does that say AGL? It doesn't, it says Advance Gloucester. These guys, whatever they are doing in the background, they have a right to do what you guys are doing. They are trying to take Gloucester a step forward and try. Okay we all want AGL to go away. I personally want AGL to piss off and go. I would like the mines to go too. Unfortunately they are here, and we have to make sure they conform and they comply. As far as AGL putting money back into the community it's a shame Gloucester Council didn't have the foresight that Great Lakes Council had with the mines to make sure there is a condition put on that they had to put money back into the community.

It's a voluntary thing for the gas companies whether they put money back into community or not. Not a requirement. Hopefully they do it.

At the same time I would like to see the lies stopping. The stuff I hear is unbelievable. When I hear it first hand, not second or third hand, and that person feels she has right to spray those lies. She accuses AGL of telling lies. Sorry she's telling lies.

Pointing to Rod – Can I just finish, this man here is a dairy farmer, a father and a husband. No one has right to slander him like people are. He in his mind is trying to do good for the community and I think it's shameful that he's been bad mouthed trying to do some good. If he was out there selling drugs, go your hardest I'd be against you too.

MU: Thank you.

CCC: Even on the dialogue, caesium issue. There's a headline at the moment in the papers in Sydney or wherever it was. It dredges on the bottom of harbour and it's gone through the bottom of the harbour a number of times. I have spoken to agencies this last week and they are scratching their heads thinking 'where is it coming from?' It's ridiculous. This project needs as much scrutiny as it can get. I have no issue with that. I'll be one of the first ones to back up the legitimate stuff that has to be answered, even some of stuff I've heard this morning it's the beauty of the dialogue we do have the agencies sitting around the table. I can imagine, poor Alex down there would love nothing more than to have six of the agencies sitting around her giving some help.

Within the dialogue those things do come up, not necessarily in a timely fashion but they do come up. I was talking to EPA earlier in week. One other issue I will bring up because it's one thing I didn't notice at the dialogue is a big communication thing that is not happening in council. You [Aled] step aside, that's fine for whatever reasons, I respect that. But two new ones come on and bloody hell the handbrakes come on and you do a U-turn and got back 100 k's to pick up the passengers. I have noticed as a community rep that big disconnect within council as far as communication goes, I don't know what the reason is I don't know whose responsibility it is, but agencies are picking up on it. Because we are asking questions that were asked. The things only been living for 12 months since you guys first kicked it up.

CCC: February, it started in March.

CCC: Exactly. It is new, and Aled's quite rightly criticised aspects of it and that's fine. Within council, I think it's fair, I'm an observer, I'm outside, I'm in the Great Lakes Council and I'm observing what's going on and I'm observing a big disconnect. Even though I'm out of area I think I have right as community rep to say 'hang on this doesn't look like it's connected internally'. Aside from agencies and aside from whether you agree with dialogue or not. It is frustrating because we do keep backtracking. I just feel legitimate questions are being asked but I would have of thought that within council's framework, that stuff would be spilling out and it's not and it's quite obvious it's not. It's an issue. I'm thinking, as an observer looking in, if that's not happening internally,



how will it filter out? I can't see it.

Then you have other groups that want to sit on the sideline and throw grenades for the hell of it and it does absolutely no one any good. Ones I keep going back to that I really feel sorry for are the ones directly affected and I feel sorry for those people will all the distortion and manipulation and rot that goes on off to the side, those poor buggers, they don't even know if they are going to be affected to the degree they think they are. And that's what fell out of the last Dialogue, is how do we encourage people who are anxious, how do we encourage them to gather the information or at least clear their minds so that they could be receptive to hearing some of this information? If I only heard the negative side, I think I'd be looking for the highest branch and the shortest bit of rope I could find, to be quite honest.

MU: I am conscious that we are not in general business; we are talking about the community update, but Karen.

CCC: What my beef is too about all this negative stuff. You've for this Advanced Gloucester ad. Advanced Gloucester is not the only group in town trying to uplift the town. You keep putting rubbish on Gloucester, and that is going to affect your economic development. Whether its fact or fiction. I think a little bit of the fact that's out there or the words out there is probably about that much truth *gestures small amount*. If I lived in Gloucester id be furious over bad publicity Gloucester is getting. I'd see my bank balance going down. Let's talk Gloucester down let's talk it down let's talk it down so that nobody comes here. I know for a fact, that people are coming here, I know people personally who are buying properties here. It'd be great if it would be uplifted instead of trodden down all the time.

CCC: Yes Mr Chairman, I support Aled's comments about the process. I contacted Beyond Blue and let them know my opinion. Unfortunately, I've been closely associated with depression in my last life, that involved a number of suicides both within family and in my professional life as teacher. So I take this depression very, very seriously. The way it was presented here was not a good look for AGL. I personally would not have had any BBQ's within cooee, just a bus and a car park, no one else. A number of people spoken to me Karyn, and they turned up looking for information, feeling vulnerable and sad, I won't say depressed, looking for information and when they saw people gathered there [at the Beyond Blue bus] they turned and left. I'm not going to give you the names. My complaint was it was poorly presented.

CCC: So people wanted to go there unnoticed?

CCC: Your dealing with people, if I go to my experience with kids, if you start bringing it out in the open and they won't go anywhere near you. You have to get their trust, and get them to open up, and then point them in the right direction.

KL: So the intent was the same.

CCC: I have no question with your intent, Karyn.

KL: I'm not saying my intent, I'm saying the intent of the Beyond Blue event. The Beyond Blue event was a community event. We didn't organise the BBQ, the BBQ was organised as part of what they do in other communities as well.

CCC: It really wasn't a good idea.

CCC: You need to tell Beyond Blue.

CCC: I've let Beyond Blue know, and I'm quite angry with Beyond Blue and I no longer support Beyond Blue financially. There are other organisations that I will continue to



contribute to.

CCC: That's a shame ... [comment withheld].

MU: Let's not get personal please.

KL: In regards to future activities I'm very happy to bring ideas to the CCC forum and we can discuss it. There's no guarantee that those activities will happen, I don't want to set any expectations, because obviously I didn't know, even though discussion had been held, I didn't know for certain until October of confirmation of the Beyond Blue event. I'm happy to have discussions as long as people know there is no certainty that those activities will occur in town.

MU: Ok, are we ... I'm just trying to, move on.

CCC: Ray, Beyond Blue is obviously tainted in this town now. But is there anything else like another group that can come in?

CCC: I prefer to be low key, with people I know, be open and talk to them about your own experiences. I'm not a psychologist and I don't pretend to be. Even a simply phone call to lifeline.

CCC: I'm just thinking, how do we do it as community? Do we support or.

CCC: Conversation is missing in the community. We start from political ideology and work back to the science. It's very frustrating for people like me who work from the science. Unfortunately that's how we work, both sides do it. We need to get together and talk about it. It's much more widespread. It doesn't take much to tip someone. To see someone happy and healthy you think, and looking forward to their grandchildren's birth and suddenly he shoots himself.

MU: This is a very important issue. I'm pleased we can talk it through at this forum. Thankyou for your civility with such a, touchy subject, if you like. Any other questions of Karyn in relation to the community update?

CCC: Just one little point of clarification. In your list Karyn, the second item reads 210 meetings. What counts as a meeting?

KL: One on one meeting, meetings with the dialogue, informal meetings, meet people and have conversations in the community, talk about the project, people raise ideas with me, both informal and formal meetings. The CCC counts as a meeting.

CCC: So informal in the street counts?

KL: Informal as in 'I'd like to talk to you and discuss this, let's go and sit somewhere and talk about it.'

CCC: Thank you.

CCC: One quick clarification, you were talking about talking with council. How does that work? Is that the Dialogue? Is that talking directly with council? Is that the General Manager?

KL: Obviously Gloucester Shire council is one of our key stakeholders. When I first came to town the General Manager spoke to me and told me he was the key contact in regards to economic development so anything relevant to economic development I was to speak to Danny, the General Manager so that's what I do.

CCC: So you normally talk to Danny Green?

KL: Yes.



CCC: I skipped this item. The Dialogue, the CCC members weren't invited. The Business Chamber visited the sites and Advance Gloucester visited the sites. You've got tech heads like me on the committee that are curious to see what you are actually doing in there, and see what monitoring equipment you've got in place yet I was left out, do I register..

KL: Fantastic. So now I know. You've put in a submission of interest for next time. Obviously, it [the Waukivory Pilot tour], was new for us there was a lot of activity so we couldn't have many site tours.

CCC: Why were the CCC members left off?

KL: I'd have loved to invite everyone but I couldn't. I think it would be great to have everyone come along and have a look. It's part of the planning moving forward for our next exploration project to put that into the scheduling. We'd love to have many more, but of course, activities at the gate limits the ability to have people going through.

CCC: I think the question was 'why wasn't the CCC on the top of list?'

MU: No, that wasn't the question, it was 'why wasn't the CCC invited and why wasn't Ray invited?'

CCC: I certainly would have expected the CCC to be well ahead of the Business Chamber for example. We are supposed to be a group of people across the community and putting that information back.

KL: The Business Chamber was looking at working on a Local Procurement Program, so we thought it was important to get them on board and see. It was before signing an agreement, to see any questions they had for us etcetera. I thought they were key because we are going to be doing some great stuff in that area in the community.

CCC: So it wasn't selectively, selecting people who were likely to criticize or question what was happening?

KL: No.

CCC: Can I just comment on that? I was actually one of few I guess, who was privileged to go and have a look. One thing I will bring up is Gloucester council was invited to go as well.

CCC: Were they?

CCC: Yes. They declined, well put it this way, no council representative went to that site trip whatsoever.

CCC: I'm not sure that that invitation was extended to staff members.

KL: The invitation was extended to council and when they declined I said is there anyone you'd like to extend the invitation to? It wasn't up to me to keep going back and saying; 'extend the invitation again please.'

CCC: I was surprised to not see anyone there, I know people are busy, we were busy.

CCC: I know our water scientist was surprised not to be able to go on the site tour when staff members from other Hunter Councils attended.

CCC: Karyn, can you please send me a copy of the invitation that was extended to council? It's extremely concerning to me that an invitation that went to council wasn't seen.

KL: Yes

Karyn: To send a copy of the invitation to Aled.



CCC: I was surprised, I'd have thought someone from council would have been there.

CCC: It's a communication thing.

CCC: It's a communication thing.

CCC: I would have been there, if I'd known it was on.

CCC: I was expecting you to be there.

KL: Rod I think that's why you were there, as Council wasn't we had another space.

CCC: At the end of the day feedback is what people are after. It was a good day. We spent a couple of hours there. It was a bloody hot day. Hats off the fella's that work out on those pads.

A number of things that jumped out were the passion that these crews have, I think it was Halliburton, the passion for what they do and the professionalism in what they do. One of the men who showed us around had 25-30 years' experience doing what he does and he was overseeing the whole operation. We had the opportunity to pick his brains. I asked him, 'all things considered, in your experience, how many things have actually gone wrong around the traps'. He said 'for what we do, not a lot'. He made the point that out of all the projects they have done this was first lot of opposition he'd really seen. He felt things were being handled well. He said it was the first time ever there was oppositional activity interrupting what they are doing.

They were fracking when we were there, they finished fracking and were setting up to do a perforation again that afternoon to allow the next fracture to happen the next morning.

It's a funny thing that 'caesium thing' rocked up. It was one of the things that came up in the induction they said there is radioactive material on site that was secure, they won't be using that on this site. On the container it actually had the radiation logo on it locked away. And yet, on the Dialogue we wasted about an hour on it.

It was good to see, and that's what we actually said to the crew. I said all things considered I think you could run a minibus into this site, every day of the week for Joe Blows from the local community for people who actually want to have a look to see what it's all about. And they said well yes, but given all the activity that we've got we cannot do that.

So because of the negative activity, that has short circuited the opportunity for the wider community to actually experience what I did. In one sense we are saying people need to be more informed and have access [to information] but on the other side of the equation we're saying no it can't be done because of an element of the community.

I fully get that and I think it's disappointing because generally, even if people don't know anything about CSG.

When Lucas had their very first open day, five years ago, I think across two days they had 1500 people come through to look at what was happening at Tiedman's. I said how good it would be if they could carry out that without being paranoid and pressured, it's too risky from a logistics point of view and a security point of view. That to me goes back to the scenario earlier that may or may not help Aunty Mary to assess whether it's 'actually worse than I thought it was' or it's 'about where I thought it was' or it's 'actually not as bad as I thought it was'.

But poor old Aunty Mary is still sitting there, being bombarded with all this stuff. You can't blame her for not knowing which way to turn.



MU: Thank you Rod. I think that brings us to the end of community update?

I expect that means that general business will be slightly shorter.

Just any further questions of Karyn in relation to the community update? Thankyou.

Will move on to general business.

I'll just start by going around room. It is the last meeting of the year so I'll give everyone a chance to speak so, Anna.

CCC: With this flowback water being taken by tankers. In the plan it was said that four mega litres maximum flow back water will be tankered away, about 200 tankers. We know that will start happening in a few weeks. How will it be communicated to the community and will we know how many tankers?

KL: How would you like to see that communicated? We have been publishing community updates that say traffic movements will increase and we will try and minimise any disturbance etc. So updates in the local paper? Newsletter? Is there another mechanism we can use?

CCC: Just say how many tankers.

MU: So Karyn? I think the question was can you describe the number of tankers or frequency or something?

KL: In the REF I think it says frequency, I'd have to go back and check, I'm sure it does.

CCC: It was predicted up to four mega litres but we don't know. It should be less but how much less? What's the volume and how many tankers? What's the scale of this?

KL: I wouldn't know the exact numbers.

AKC: There was an estimate in the REF about how much flow back water and there was also discussion about truck and traffic movements and impacts in the REF and mega litres divided by the volume of a truck.

CCC: It's a big number.

AKC: It's discussed in the REF.

MU: I think the question is how will you alert community about the impact of those truck movements?

KL: In communications we have said there will be a number of traffic movements to do with this project, we haven't been specific on numbers but will keep to the terms of the REF.

CCC: We've already asked the question about how much flow back water there was, you have got to dispose 100% of the fracking water therefore you must know how much there was taken, therefore there must be a known number of trucks to get rid of that amount.

IS: Mr Chairman that was taken on [notice] by Alex when the question was asked, surely it is still on [notice].

MU: I think the expectation is that AGL will let the community know when there are truck movements. The biggest thing for the community is the impact of those vehicle movements at any particular time. If there is going to be truck movements over two months, during the day then AGL would alert the community through their current communication mechanisms.



KL: As an example through the letters that go out to the affected residents in the area to advise of the next phase, and expect added traffic movements etc.

MU: So community members aren't expected to read the REF to work that out, but AGL will let impacted residents know when these things are happening.

Thank you Anna, Aled?

CCC: I'd like to see AGL address the caesium issue within the CCC. The reason I'd like you to do that, just a brief presentation about when caesium is used and the risks and how they are mitigated. Because I myself don't know, I'm just reading stuff of the web at the moment so I don't have a good understanding of exactly at what points you're using it, and what processes it's used in and controlling its use, making sure there are no significant issues with it.

One of the reasons I am a bit concerned about caesium is that it does appear to be starting to show up in rain water tanks in Queensland. That's what kicked this whole thing off and I think it's something we need to deal with upfront and early on. Or we will end up in that situation where there is a good deal of misinformation out in the community, and potentially a good deal of unnecessary fear. So from my perspective I'd like just something a bit more formal so I have a good understanding of the issues and then when people are talking to me I don't have to run off to people like Anna and say 'what the hell do you know about caesium in the gas industry' I can give answers.

Karyn: Request for information re caesium use.

MU: Thank Aled, that's good feedback. Ed?

CCC: Minor things. Mike Roy, when you did the media thing about well three, said to the media at that time that they had fracked 19 times at that stage. But the final communique that came out as the media release from AGL at the end of the fourth hole, said they had fracked 19 times. What happened to the fourth hole?

CCC: No, it was nine times and 19 across the four.

CCC: No, Mike Roy clearly said at the third hole, at the media day, they had fracked 19 times at that stage.

KL: I wasn't there to hear what had been said.

CCC: My understanding was that the maximum number of fracks per any one hole is nine.

CCC: Nineteen?

CCC: Nine.

CCC: Well that's 36 [for four holes].

CCC: No.

MU: He said the maximum.

CCC: It was 19 across the 4.

CCC: Can we get a clarification of how many fracks actually happened over the four holes?

AKC: Nineteen.

CCC: Where did Mike Roy get the nineteen that he said at the third well?

AKC: We'd have to see what he actually said.

CCC: It's on the media release. It's on the video.



KL: It could have been a misprint.

CCC: I'll ask another fairly simple one, also on that media release that it said that the minimum depth you got to was 371 metres. Is that going to be the new paradigm for the shallowest frack or in the production phase are you going back to 150 or 200 metres down?

AKC: We will be designing the fracture stimulation for each well, depending on the geology of each well and in accordance to the code of practice for fracture simulation.

CCC: That doesn't answer my question. Are you still going to target coal seams between 150-200 metres or are you now going down to 371 metres as your minimum frack?

AKC: I think the answer to that question is that it's a case by case basis. Each case will be examined by its geology and design of the fracture and by the codes of practice.

CCC: So we'll take it that you're still running at 150-200 metres, thanks.

MU: Um, that's not what she said.

CCC: Yes I know but.

MU: Sorry to be a pain, but you could say 1 metre if you want based on your response to that.

CCC: The documentation has always said between 150-200 metres they will target coal seams.

MU: Right, ok. Thank you. Ray?

CCC: Yes, Mr Chairman. If I know what seams you've fracked that will solve the problem. I can make my own analysis. So I want to know what seams are fracked doesn't matter how many times. Doesn't matter how many times. I am curious to know from a scientific point of view. Now I have a number of questions which I'll leave with Michael.

The first is a letter from the Chair of Gloucester Groundswell sent to AGL. Unfortunately it wasn't accepted up [missed words].

Ray presents documents to Chair. See Appendices

What is actually being done on water? I think this is a valid question.

Personally I'd like to see a complete rundown of they are actually disposing of it. Hopefully they are not just feeding a stream of water into a gas flare. You'll end up with all sorts of horrible oxidation problems.

This water is not just, to quote Mr Moraza, like a kitchen stove giving off water vapour and carbon dioxide. Methane is not the only hydrocarbon, nor is it the only substance in there.

Now my questions are:

1) There seems to be is considerable confusion to flaring and container size. I'd like to have a clear statement from AGL. What containers that they've used, what sizes and what their justifications are. I had a discussion with the 'Dialogue' one of the members and he's confused ... if he is confused. Then.

CCC: There are three, 20ft flares.

CCC: I believe that's what it is. It brings me to my next point:

2) On Appendix C, page 18 of the source characteristics dealing with the flare containers.

They say quote "This would lead to greater dispersion of emissions". That would imply



there's most likely more than water and carbon dioxide coming off it. Now there's no monitoring at all during the drilling, of fugitive emissions, no monitoring during the dewatering stages, no monitoring during the flaring processes. Apparently the EPA doesn't think that's necessary however I disagree. If there's scientific proof to say that it's not required then I'll settle with that but in the meantime I personally would like to see some monitoring take place.

MU: Do you have that written down Ray?

CCC: I do, as I anticipated this would be quite lengthy.

3) I'd like to have a definition of what a 'household chemical' is because I have all sorts of interesting things in my house.

I would like a definition from AGL as this term is being bandied around to imply what's going down the holes and what's coming out of the holes is benign.

I think is a little bit disingenuous of AGL to use that term "household chemicals."

Sodium hydroxide will kill you, phosphoric acid I've got under my sink, it's not nice stuff either but I use it for certain purposes on a regular basis.

I have also removed containers of arsenic and cyanide and strychnine from my grandfather's place, and that stuff was kept in a cupboard in his kitchen.

IS: A point of order Mr Chair. I think that's reading things into the minutes that are not contained within anything that we are doing.

MU: OK, Ray's just asking the question so I'll leave it at that and thank you for the written copy, as I think most of this would be taken on notice and responded to in that way. Gerald?

CCC: I have three questions which are on paper. These are questions that have come to me from members of The Gloucester project.

CCC: Question one, what was the maximum number of security personnel employed by AGL in Gloucester at any time over the past 6 months?

KL: I don't know

CCC: How long will it take to establish the answer?

KL: I don't know

IS: I believe, Mr chairman that's an operational issue and we will take on notice but it's an operation issue that we have had to employ security company, that's as far as I think it should go.

CCC: When a response is available can it be sent.

Action: AGL to provide a response to this question re security personnel.

CCC: Question two, it is widely reported that AGL security personnel recently manhandled one or more members of the public in a public place, namely on Fairburn's Road. Are these reports correct? If so, can AGL advise the community what action, if any, has been taken to ensure that such incidents will not occur again? And also, if correct, will AGL make a public apology to the person or persons who were so mistreated?

KL: That was responded to last meeting.

MU: I do remember you asking something similar to this.

CCC: There is a response in the last minutes which says "blah blah blah, to ensure a safe workplace", now the middle of Fairburn's is not a workplace.

KL: Anybody, working for AGL or not was subject to police investigation. If it was incorrect [behaviour] then the police would have dealt with that.

Action: AGL to provide a response to this question re 'manhandling'.



CCC: 'Manhandled' is the word I used

KL: If anyone was manhandled, police would have dealt with that.

CCC: That's incorrect, I can go to my car and bring photographs in and I'll show you personally that police weren't man-handling.

KL: I wouldn't say police were man-handling. I think if any man-handling or any improper activity [occurred] then police would have dealt with that in an investigation.

CCC: Well, did man-handling occur? And did the police deal with it?

IS: That's a matter for police and a question for police not to AGL, those are allegations.

CCC: I'm not, I'm asking a question.

KL: You must go to the police.

CCC: Mr Chairman this is a community consultation committee. It is set up to exchange information. So I'd like my question to stand, I want to know does AGL deny that its security personnel manhandled people in the middle of Fairburn's Road or does it not deny.

MU: OK. Thankyou.

CCC: Question three. There appears still to be some confusion regarding the recent visit of "Blue bus" to Gloucester. Can AGL advise whether, as a corporation, it is claiming any credit for Gloucester's inclusion in the Blue bus's itinerary?

MU: I've heard Karyn say that she had some discussions with Beyond Blue in February.

KL: In February I rang Beyond Blue and I spoke to them about what opportunity there may be for Gloucester. There was bus, traveling around Australia, it was not scheduled to go to Gloucester but they thought let's look into that, it was a great idea and scheduled it after conversation.

CCC: So Beyond Blue said it was not scheduled to come to Gloucester?

KL: As far as I was aware, from my conversation with Beyond Blue, Gloucester was not on the itinerary but after that conversation they worked towards bringing it to Gloucester.

CCC: So AGL can take credit for the Blue Bus coming to Gloucester? Is that the message?

KL: We do not take any credit for Beyond Blue coming.

CCC: It was their decision to come not AGL's.

CCC: Thankyou Mr Chairman, you have a copy and I'd like these in the minutes.

MU: Any other general business around the room?

CCC: No comments other than Merry Christmas and congratulations to Michael as a great chairman.

CCC: My message is exactly the same as Karen. Merry Christmas and prosperous New Year.

CCC: No general business.

CCC: I agree with the ladies comments. I agree chairmanship has been great.

CCC: Just general comment for people to appreciate the role of CCC and we have a role to play. Even the Part 3A modification that wasn't mentioned in the dialogue last week or whenever it was. There's still information that's spilling out from the CCC that we don't give this process credit for.

CCC: No general business.



KL: Nothing further just Merry Christmas.

AKC: Nothing further but the conversation is thorough and I hope it continues.

Michael thanked for attendance and commitment over the year.

No further business was raised.

Next meeting

18 February 2015

Meeting closed at 12:15pm

Michael Ulph

GHD – Stakeholder Engagement

ACTION ITEMS	
Action	Responsibility
Approximately how much water is produced with gas after the dewatering process?	Alex Kennedy Clarke
James to speak at forum following 3 month data collection period.	James Duggleby
Find results of soil sampling irrigation program.	Alex Kennedy Clarke
Request for information re caesium use.	Karyn Looby
What was the maximum number of security personnel employed by AGL in Gloucester at any time over the past 6 months?	AGL
It is widely reported that AGL security personnel recently manhandled one or more members of the public in a public place, namely on Fairburn's Road. Are these reports correct? If so, can AGL advise the community what action, if any, has been taken to ensure that such incidents will not occur again? And also, if correct, will AGL make a public apology to the person or persons who were so mistreated?	AGL



<p>Questions from Ray Dawes – from the community:</p> <p>Waste liquid:</p> <p>What is happening to the “leftover treated water or leftover contaminated solid waste” after the processing of the liquid waste from the Wuakivory Pilot program?</p> <p>Is the solid waste being dumped somewhere in Newcastle?</p> <p>Is the water being discharged into the Hunter river?</p> <p>What quality is the final treated water?</p> <p>What analysis is done on the water? I.E., are all necessary contaminants tested for?</p> <p>We would like complete details of the processes used in the disposal of the waste. There are scientists within the community who are quite capable of making their own evaluation of the methodology undertaken.</p> <p>Security:</p> <p>Did AGL issue a “Protestor Protocol”, i.e. directions that contractors and AGL employees have been asked to adhere to?</p> <p>In dealing with protesters did AGL sanction the use of force on public lands? I.E. was there a directive to use force or worse still was there no direction given at all?</p> <p>Monitoring of Waukivory Pilot:</p> <p>AGL needs to supply complete details of all monitoring that took place during and after the fracing, in particular air quality.</p>	AGL
<p>Questions forwarded by a CCC member in a letter from Groundswell Gloucester. See appendices.</p>	AGL