



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 April 2015 Gloucester Country Club, 10.00am – 1:15pm	Job No	21/17714
Copies to	All attendees		
Attendees	Ian Shaw [IS] – AGL Lands Officer Karyn Looby [KL] – AGL Community Relations Manager Ray Dawes [RD] – Barrington Gloucester Stroud Preservation Alliance Ed Robinson [ER] – Lower Waukivory Residents Group Clr Aled Hogget [AH]– Gloucester Shire Council Jerry Germon [JG]– Community Representative Toni Laurie [TL] – AGL Land and Approvals Manager Anna Kaliska [AK]– Mid Coast Water Clr Tony McKenzie [TM]– Dungog Shire Council Nicky Coombes – [NC]The Gloucester Project Rod Williams – [RW]Community Representative Michael Ulph [MU] – GHD (Chair) Alexandra Parker – GHD (Minutes)	Apologies	David Mitchell – Avon Valley Landcare - resigned Rebecca Connor– Gloucester Shire Council
	Observers / Presenters James Parker [JP] – Jetty Research	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 Paul Minett – Dungog Shire Council Clr Karen Hutchinson – Great Lakes Council

Notes	Action
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1. Michael Ulph (Chair)
Welcome and Acknowledgement of Country
Introductions for new committee attendees and observers
Welcome to Nikki Coombes replacing Gerald McCalden as representative for The Gloucester Project
Welcome along to James Parker –guest speaker from Jetty Research
Apologies – Rebecca Conner
Meeting commenced at 10:05 am



Notes

Action

2. Meeting agenda

- Welcome, Apologies, Introduction
- Acceptance of last minutes and matters from the previous meeting
- Community Engagement update (Karyn Looby)
- Morning Tea break
- Water Update and Project Update(Toni Laurie)
- Jetty Research presentation (James Parker)
- Moving forward after the extraordinary meeting (Michael Ulph)
- General business
- Next meeting & close of formal proceedings
- Lunch

MU: David Mitchell resigned from this forum. I will read out a couple of sentences he sent through in March

Item 4 on the agenda reminds me I should again consider my resignation from the CCC for a few reasons, mainly :

The group I represent are no longer active and most of the interested parties either work for AGL or are in support of them.

Our future plans mean we will be away for a lot of the year.

At this stage of the project a person more involved in the community would be appropriate.

In view of this the time is right to formally submit my resignation at the conclusion of the meeting.

I have enjoyed the journey since day 1, the discussions and people involved, particularly your control of a sometimes unruly group.

Keep up the good work.

Kindest Regards

David Mitchell

I'd like to formally thank David for his time and commitment on the CCC. He has brought a lot to this forum and has been a great conduit between the project and the community.

The next item is accepting the previous minutes. Are there any issues?

I will call to accept the last minutes from the 19 February as a true and correct record.

Moved: Ray Dawes Seconded: Karyn Looby

ER: Wished it to be noted that the minutes were late again. Minutes arrived April 1.

MU: I apologise, I commit to being timelier in my handling of the minutes.
Thankyou Ed.



Notes

Action

3. Action items from the last meeting

MU: *Action 1 – Re-send Café Dialogue invitation to Ray Dawes. Actioned*

Action 2 - Invitation to be extended for new CEO Andrew Vessey to attend a future CCC meeting.

KL: We have extended that invitation.

RD: What was the response?

KL: At the moment he is focused on the review etc but he will look at it after.

MU: *Action 3 – Waukivory Project: What has AGL found out about the faults? What information have you found out to address each of those recommendations made by Dr Rick Evans? How has the fracking affected the faults and will it remain an ongoing problem?*

RD: That will be an ongoing question. As information comes there will be more information next time.

TL: At the moment, there is not enough data. You are correct that it will be as it progresses, we are suspended at moment and the results will feed that information as it progressed. But at this moment in time it is too early for any indications.

RD: It's like herding cats, it's a convoluted question. It will take considerable time. If we could have each of Mr Dr Evans queries addressed I think that will go a long way to solving some of the problems.

MU: I am aware that one of the recommendations was that there be a full water balance done as part of that and that has been incorporated into AGL's plans.

TL: With the project currently suspended, that water balance, the data is not there at the moment to address those issues. It is something to be dealt with as it progresses.

RD: Is there any time frame?

TL: Not at this point in time.

MU: *Action 4 – Are there any likely material risks associated with not removing flow back water immediately or as planned?*

TL: At the moment, in relation to flow back water there is no safety or environmental issues with that flow back water remaining down the hole. From AGL's perspective the sooner we can get it out of there the better. Obviously there is water down there; we need to pull the water out to allow for gas flow.

MU: *Action 5 – If flow back water is sitting in the tanks. How full are the tanks?*

The question was more about whether they will get washed away than if they were going to overflow.

TL: At the moment, the flow back water is sitting in the above ground storages on site. There is about 600,000 Litres sitting in that.

ER: Roughly half a tank

TL: Yes.

MU: *Action 6 - Organise extraordinary meeting time. 26th March 10 am TBC (NB: this became 19 March). That was actioned and has occurred.*

I emailed through asking for questions of AGL for this meeting. Aled sent through some questions which I forwarded to AGL. I will refer to those in general business.



4. Community Engagement Update – Karyn Looby

- Gloucester Community Investment Program
 - The community committee met last month to review applications, which are currently going through the approvals process.
 - The application form and guidelines can be found on the web. www.agl.com.au/Gloucester, or by contacting the Gloucester office.
 - AGL was invited to attend the Rotary “Dinner of Appreciation” held this week. AGL joined many community organisations and businesses who have supported the Rotary Exercise Equipment in the Park project.
 - AGL provided sponsorship to the Gloucester Business Chamber to coordinate a women’s event for International Women’s Day. Over 35 women attended the evening.
 - AGL is proud to have provided a community grant, requested by Gloucester RSL Sub Branch in August last year, to assist with the ANZAC day event.

 - AGL participated in the Gloucester and Stroud Shows. Over 400 people visited the AGL stand to meet with AGL employees and ask questions about our project. AGL responded to questions specifically about our project and many people were also interested in the retail part of our business and how they may be able to save energy in their homes.

 - AGL is looking forward to attending the Science and Engineering Challenge in the week beginning 18th May 2015. Three AGL employees will support this initiative by helping to facilitate some of the activities. The Challenge is for year 9 and 10 students and attended by many school students in our region. A special mention was given at the Rotary Dinner as the Challenge is also supported by Rotary, along with many others including MidCoast Water.

 - Gloucester Gas Project social impact and opportunities assessment (SIOA)
 - The Dialogue Cafes (interactive workshops) were held in March as part of the community consultation process for the SIOA.
 - A total of 33 stakeholders participated.
 - The Dialogue Cafes involved:
 - An introduction to the SIOA and background to the Gloucester Gas Project
 - The examination of social impacts associated with the Gloucester Gas Project. This included discussion of a preliminary list of potential impacts and rating according to significance. Participants also ranked the preliminary list of potential impacts. This process involved the use of Keypad technology which allows attendees to anonymously ‘vote’ or respond using individual response consoles.
 - The identification of any potential gaps in the preliminary
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assessment of impacts and opportunities.

- The exploration of potential management strategies which could maximise positive impacts or avoid, mitigate or minimise negative impacts.
- The completion of engagement evaluation forms.
- This consultation process is just one way AGL is engaging with the community to understand the impact the project has on the community. Feedback informs AGL planning.
- Condition 57 of PEL 285 states:
 - An annual report on Community Consultation must be submitted to the Department within 28 days following the grant anniversary date which details the license holder's compliance with the Guideline for community consultation requirements for exploration.
 - Copies of the Guideline are available from www.resources.nsw.gov.au.
 - The report is due on the 14th May 2015 for the reporting period 16 April 2014 to 15 April 2015.

JG: I have a comment about the cafés. I thought they were an excellent idea, the participation was great.

RD: I'd like to echo Jerry's comments. I do find it disappointing that science and safety of the project and risk to the community wasn't addressed. That was a question for later and it should be a question for now.

KL: It's good for a forum similar but this was about social impact assessment. We have the REF and continuing monitoring and regulators coming into monitor etc. We were also doing a lot in that space.

RD: I appreciate the argument. I still think we need to solve basic question first then others will fit in place. Other impacts, bonuses, economic benefits for the project to go ahead. If that's to the detriment of the environment and health you will have long argument. We need to discuss that and if we disagree that's fine. As long as we don't hate one another, that's the point of discussion.

There has been nothing in this community since I've been here, 35 years, nothing that's split community in terms of hatred. Friends no longer talk to one another. The Café dialogue is one way of getting around that.

I talk to people with attitudes such as a retailer who won't serve a customer with a particular view etc. it's reached a stage of silliness. If we get a discussion going from people with opposing views there will be common ground.

RW: What was the overview of the Cafes?

KL: That's progressing. *Creating Communities* are working through and will report back.

RW: Is there an opportunity for a presentation to the CCC?

There was general agreement around the room.

Action: AGL to request that *Creating Communities* attend and present findings of the Café Workshop.



ER: I knocked back invite because I don't think it is appropriate at this time. The premise of the Cafes was that project goes ahead. I wasn't going to participate in a discussion based on that premise. There's too much still to go over yet. Maybe you need to re think what the premise is.

TM: If through the café, aren't people being made aware of what could, may, will happen if the project goes ahead. Isn't it better to get lots of information together before they make a decision?

ER: Yes but there's a perception that what the cafes are doing now is dividing the town into those that want and don't want the project to go ahead and therefore won't be interested.

MU: My understanding is that the project has been approved by state and federal governments and the hurdle is the final investment decision is required by AGL.

ER: Not quite. There is a concept approval for the 1st stage. There's a concept approval for the 2nd and 3rd stage based on the 1st stage. It's not been approved as such. There are 96 odd state conditions, 36 federal conditions that still have to be complied with. So there was a concept approval.

TL: There was a concept plan approval for the overall basin. In relation to the Stage 2 and 3 '330 well' scenario, what we have at the moment is a Concept Plan approval which covers the whole Gloucester basin. Concurrently we applied for a Project Approval which covers Stage 1 field, central processing facility, the pipeline and the delivery station which has been amended from Hexham to Tomago.

That's the Stage 1 approval that is a Project Approval, it is a conditional approval. We do have conditions of approval we must meet to be able to complete and get that up and running but that approval has occurred and we just have those project conditions to meet to go ahead.

In terms of stage 2, 3, 4, 5, whatever they may be, there is no commitment or approval to do anything at that stage but anything further than our stage, and the Concept Plan covers the basin.

We said in the original EA, two to three hundred wells in entirety is what we were estimating, that includes the 110 that were applied for in Stage 1. There was no commitment to any number of further stages and the number of wells was also an approximate 200-300 across the whole basin.

The Stage 1 approval, is there, has been approved both Federally and State, and that is what we are working towards at the moment. There are some hurdles in terms of conditions that we must meet, but we are working towards those at the moment.

ER: I understand all that. To me it is still a concept approval because those conditions have not been met.

TL: It's a conditional approval.

MU: I have not heard of a State government approval that has come without consent



conditions. It's approved but with conditions.

AH: The Wards River Pilot. Is it part of the 110 wells?

TL: No. The purpose behind exploration activities is to lead into production. We still have PEL 285 (petroleum exploration license) that covers a broader area than Stage 1. We have a work program that we meet as part of the conditions of that Petroleum Exploration Licence. We do further exploration works, such as core holes, pilot wells. The Wards River Pilot is further exploration.

The approval through Office of CSG is Part 5 of the EPA Act whereas the Project Approval is Part 3A. They are different approval documents, one's exploration and one's production, or project based.

AH: If you are exploring outside stage 1, do you expect stage 2 and 3?

TL: We put the concept plan in because we are looking at other exploration work in those areas. At the moment that is Concept Plan across those areas. We continue to do exploration work the same as we did to lead into Stage 1, which concentrated on the first stage, completed by Lucas and then AGL all to sure up the information we have, to be able to go forward with Stage 1. That was then approved [from AGL's perspective] because the data and knowledge was there and we were able to put that plan together. We are looking at potential areas for further gas reserves for further stages. There is no commitment or approval at this stage to progress to further stages.

RW: At the Cafes, it was interesting to see people entertaining the concept of the project proceeding. Some was unrelated to project. Interesting on the Dialogue in absence AGL. Council was saying 'What can we pull out of this in a positive sense.' Some of that fell out at the cafes. It's good to have discussions, as it captures aspirations and ideas etc. It's unfair to not do that.

ER: I think those things need to come through council and not a proponent.

KL: I'd like to add, that I also have to plan. I need to understand, to put together a plan of the key priorities of the community to put to the [AGL] Board. I need to know the direction that we would like to take in community and start as soon as possible. We need to understand who we can work with, for example local procurement. That was key. These are decisions internally that require this consultation now. It's all part of an important process to make sure we are working together for the community.

TM: Coming onto Dungog council part way through the Tillegra Dam issue, I take Rod's and Karyn's point. Town needs to know what is going to happen. The point I made at the Café, I saw it do damage in Dungog so I asked AGL to present a plan of their work camp, and procurements, facilities, goods and services that would come out of Gloucester. Dungog had an idea that everyone would become a millionaire because everything would be bought in town. That doesn't happen. Work camps buy bulk from wholesalers. To be fair, and manage expectations, AGL needs to come clean with defined list of what will take from Gloucester, food and services etc.

NC: By investing in clubs and organisations do you think some people will see it as trying to buy groups silence?



KL: I get disappointed when I hear that. It's a main reason for the community investment program. We [publish] the application process. AGL invests where community wants us to invest, as the organisations that are applying for funding.

RW: The community has this dumped on them. In some ways some groups almost think it is their right to suck funds out of them. It's a negative way of looking at it, but I don't think they are buying too many votes. If communities have aspirations and visions and the project falls over there is an exit strategy. We'd still like some of this [funding] to happen.

ER: I am concerned AGL is driving this business about what the town wants, social engagement and whatever, but to me that is council's job.

AH: My comments are on the public record about this. I didn't participate because I had that concern that the process would be seen as not independent. It may prevent people coming. Having said that, I am a firm believer in discussion happening early and frequently. I'd like to see them locked in and agreed.

The problem I have at the moment is they are talking in nebulous terms and aspirational terms. We've done a similar thing with our [Gloucester Shire Council] Community Strategic Plan, we've created an aspirational plan, without any funds. It raises expectations and enters a realm of almost fantasy.

I'm very keen to see the process independent from AGL as much for AGL's benefit as everyone else's.

I'd like to hear in concrete terms what AGL is prepared to commit to, what is realistic, so it doesn't occur that aspirations are raised and then AGL is not in position to deliver.

AK: In mid coast water we have a community strategy. We put effort into using local businesses. It requires effort. Is AGL prepared to put in that effort?

KL: Absolutely. We have an internal working group made up of people from different departments, and want to make sure we have endorsement from the executive leadership team, for example, because we see it as really important. In my experience I have seen a clash between Community Relations and Procurement. AGL is a national company and they don't want a thousand vendors on the books. They will look to narrow it down to have minimum numbers for cost efficiencies, etc. We are working really hard to work within Gloucester.

We are working with Gloucester Business Chamber and have signed a cooperation agreement. We are working out what is capacity? What does the itinerary look like, what potential jobs are there? What are the gaps? Are there any opportunities? Through our social impacts and opportunities assessment, local procurement was seen as a key.

We can't be focusing on 20 different activities, but with the community input we can narrow it down. We are going to be operating and we will have a local procurement program. We have to make sure we don't increase expectations.

Not all suppliers will be operating at the level that AGL needs, such as for safety standards, but maybe we could give training up to set standards, there are no guarantees. But there may also be opportunities outside of AGL. We have to be very clear that there are no guarantees.



NC: In my community of Bundook, we are small community with no clubs or organizations, nothing but a fire brigade. We see nothing but risk for us, there is no benefit.

KL: It is about education also. The reason we are here is talking about the science. For example, at Advanced Gloucester last night EPA's Peter Jameson stood up. He said you can say never say there won't be impacts but if AGL does it right there won't. So, we'll dot the i's, cross the t's, be highly regulated, and we have employees that want to do right thing and live in this environment. We are proud to work for AGL and want to make it a success.

Morning tea break at *10:53 am*

Water Update – Toni Laurie

Meeting Resumed at *11:11 am*

From late February 2015 to present with upcoming items (to occur after 16 April 2015) shown in italics.

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> (note these data reports are comprehensive and reports are split into Irrigation Program reports and Waukivory Pilot reports)
- All technical/scientific reports continue to be released, published and archived on the AGL Gloucester website at <http://www.agl.com.au/about-agl/how-we-source-energy/natural-gas/natural-gas-projects/gloucester-gas-project>

Groundwater Investigation Program:

- Groundwater monitoring program:
- Ongoing quarterly (water level) monitoring program across whole network (Sep, Dec, Mar, and Jun).
- *March quarter monitoring update report in preparation.*
- *Next (regional) monitoring bore water sampling program will be in June 2015*

Waukivory Pilot Testing Program:

- All monitoring bores and surface water gauge sites operational and data available via Water Portal (except for WKmb05)
 - Flowback water program still suspended. No pumping until agencies review AGL investigation reports and report
 - A quarterly report detailing water quality and level trends for water monitoring locations - Waukivory Pilot for the period 1 September to 31 December was issued late February 2015.
 - New drilling programs and monitoring network expansion:
 - Monitoring ongoing at Wards River:
 1. *Potentially two new monitoring bores to be added in coal outcrop areas*
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- *New monitoring bore site towards Weismantels planned for drilling and completion later in 2015.*

Other investigation water studies:

- No new investigations.
- Release of the following technical reports since February:
 1. 2014 Flow Testing of Craven 06 Gas Well.
 2. Waukivory Pilot Project: Surface Water and Groundwater Monitoring Report to 31 December 2014
- Numerical modelling
- No change except dates are slipping because of Waukivory Pilot delays
- *Updated Conceptual Model report in preparation (update to the 2013 report)*
- Phase 3 numerical groundwater modelling ongoing – two models: local scale (fault) model and regional model (whole basin) under way.
 1. Local scale modelling mostly complete (*Final draft report expected Q3 2015 after initial Waukivory testing program results*).
 2. Regional model under way (*Draft report expected Q4 2015 after additional work programs*).
 3. *Note that the timing for the numerical modelling is dependent on the recovery of flowback water and the commencement of the pilot testing program (NB minimum of 3 months of depressurisation and produced water data from the gas wells/monitoring bores is required for modelling purposes)*

ER: Why is WK05 not on water bore list?

TL: I don't know answer, I will find out

Toni: To find out why is WKMB05 not on water bore list? [Answered later in this meeting]

Tiedman Irrigation Program:

- Current approval for the program is to 30 April 2015 – no further extension is proposed at this time as:
 1. Most blended water volumes will be irrigated by end of month – only a few megalitres left to stabilise the liners
 2. There are ongoing delays with the Waukivory Pilot activities
- Water and soil monitoring sampling programs are ongoing:
 1. water sampling event completed in February
 2. *next water and soil sampling events are May 2015*
 3. *final irrigation reports will be available August 2015.*
- Water and soil monitoring program reporting completed for last 6 months – two compliance reports released late February

Extracted Water Management Strategy

- Currently preparing Final Draft for Agency/Council review

RW: Hypothetically if the reverse osmosis plant was up and running. Would you require licencing?

TL: I will get back to you.

IS: I think the extracted water management strategy is part of the conditions of approval. The on flow from that strategy, once approved, will go through the Office of Water. In the approval conditions, it has to be ticked off by the regulatory authorities.

TL: It's not an irrigation licence per se.



JG: The ongoing soil testing at Tiedmans. How many years does that need to continue for?

TL: That's part of the current discussions with the DRE & EPA. It will continue beyond 30 April. We need to discuss with DRE & EPA about requirements.

AK: If the Tiedmans irrigation is stopped, when you get out of suspension what will happen to the produced water?

TL: The 30th April has always been there for this program. The intent was always to include the produced water from Waukivory as part of that program. There was always a contingency in REF. We didn't expect delays, but as we have had them there was a contingency that we could store that produced water in the same location, as part of the process with the reverse osmosis as part of the Stage 1 scenario, and we will still send it to Tiedmans.

AK: Can it be stored for a long time?

TL: Yes

MU: For Nicky, we had a presentation on Reverse Osmosis or desalination, I think it was last year, so if you are looking for information on that you can go back through the minutes, and we can help you find it if you would like.

NC: Will it be there on your web site?

MU: No, it will be on AGL's web site.

ER: After 30 April you can't use blended water for irrigation, but you do have irrigation licences, and are running a farm. Are you allowed to still irrigate with water out of the river, stored in dams?

TL: Yes. There's nothing in place that prevents that. We will look to disconnect completely from connections to the produced water. We'll continue along agricultural lines with farming activity will be subject to same licencing conditions like other farms.

JG: If you will use reverse osmosis to clean the water, surely in the long term you will put clean water back into those dams, so why disconnect now?

TL: Disconnect means it's away from water that's there at the moment, because we don't have [reverse osmosis] there at this stage. The extracted water management strategy going forward is to pre-treat.

IS: Those dams in the extracted water management strategy, which we'll develop to approval, are planned to be used as storages for treated water.

AH: Will there be a final report of the performance of the overall program, and whether you met the objectives?

TL: Yes there will be. I don't know the precise timing.

AH: I ask because Council has a draft agricultural strategy. Within that there is mention of the possibility of using produced water and mine water. So the scientific value would be very useful.

TL: We have an answer about the WKMB05. from earlier [today].

Because it is a deep water monitoring bore, it's complicated and has 6 different sensors. Currently it is not able to be connected to the system. They are working on it at the moment. To see if they can put in that extra telemetry in that's required.

RW: So the data is recovered separately?



IS: It will still appear in reports.

RD: AGL have been forthcoming with datasets. However, I'd like to see a conclusion. If there is a conclusion. It would be very helpful.

TL: I've taken that on board, to make that easier to read, after our extra-ordinary meeting.

NC: I find that too with the water portal.

RD: What are the changes to water modelling? What are the basic assumptions they are making? How is numerical model changing? I'd like to stick that on the agenda.

TL: I have to check if it can make the next meeting.

IS: The local model. The data from the Waukivory Pilot needs to feed in to it.

AK: There must be some changes in the conceptual model. It will be interesting to know what they are, if they are major changes or very small.

MU: If the actual findings are in line with what the modelling suggested?

Action: Toni to see if the changes to the numerical model can be discussed at the next meeting (if the received data has altered the model, etc)

Project Update – Toni Laurie

TL: The Waukivory Pilot is still suspended. No timing at the moment.

MU: Who is that with?

TL: With the Department of Resource and Energy (Office of Coal Seam Gas), and the EPA.

Following AGL's voluntary suspension they issued suspension orders. They need to be lifted to commence again. We have applied to them to continue various other activities. Mainly around the flow back water that the suspension relates to. We are continuing other activity.

We have rehabilitated excessive gravel pad areas used during the drilling process. There has been a lot of rehab work. Wet weather did delay some of that so we haven't completed those sites. The Waukivory 11 site is complete. Waukivory 14 is part way there and 13 is part way.

NC: The rehab work, is that why there were diggers around the wells?

TL: Yes. The rehab is basically, we have a larger area of 100 by 100 in that we have 60 by 70 gravel pad area which is a solid base to sit the rigs on. When work ceases we rehab those pads back to a smaller size. With those extra areas of gravel pad, they pull the gravel off and replace with top soil and seal.

MU: What's the smaller size that you come back to?

IS: Eleven is about the gravel area, it has a road approach which is four metres wide, then about 18 by 15 metres of gravel. In the middle is the compound containing well equipment. That's the ongoing planning for about an 18 by 15 metres hard stand. You need some hard stand around the area ongoing, the rest just needs rehab.



ER: Is that 18 by 15 the new dimension to put through in the EA?

TL: That's what these are, but going forward I would have to clarify that.

ER: Does the gravel get taken back to Tiedman's?

TL: Yes. We have used some to fix up or renew areas. We take back to Tiedman's and we will reuse that.

Toni Laurie: Is 18 metres x 15 metres the size of the new rehabilitated gravel pads?

Other activities, we applied to flare wells prior to Easter to release gas. There were no safety concerns or environment concerns about pressure in those wells, it is natural to expect gas pressure. We did it because with the wells suspended, we still have downhole pumps. It was purely an operational aspect to release pressure. So when we do come back online there is no issue with the pumps.

NC: Was decision to flare made before or after that small leak?

TL: It was before. We applied to EPA and OCSG who allowed us to do the flaring. In relation to the leak, it was a very small leak on a casing valve. It was Inspected by EPA three weeks prior and there was no issue on any wells.

The leak was part of our testing which is to a US standard listed under our EPL. Measures are taken on top of the valve; The gas metre sucks in all the air around it. The level detected was not a notifiable amount. It was a very small leak. To be transparent we did let the EPA know, and it has been fixed. There are no ongoing issues.

NC: What caused the leak, was it equipment failure?

TL: I can't answer that at the moment, it's still being investigated.

RW: Can you give an indication of the pressure that built up?

TL: The wells were around 600 psi. The flaring 'bleeds those down'. It is an approved activity. The only reason we had to apply for approval was because of the suspension order; the pumps won't run so we applied for that activity to reduce pressure in those wells.

RW: The information through the Dialogue was that there was concern the build-up of pressure in the well head would then re-pressurise through the fracked crevices. The EPA were sitting there saying it's just not going to happen. Because the fracks happen at 2-3,000 PSI.

IS: It varies according to depth. From memory that you are looking at between 2 and 3000 PSI.

TL: The well head is designed for 4000 or 5000, significantly higher. Our reason was purely operational from the pump perspective so we don't have issues when we bring it back online.

RW: It was EPA that volunteered that, because you weren't in the room.

AH: We went to Camden and looked at the controversial well on the edge of the river



and talked about flooding. The story we heard was that it's not a problem we can shut it down indefinitely.

The potential damage to 'down hole' pumps. They are not permanent features?

TL: Correct.

IS: In Camden there is a difference. The newer ones, like MP25 (Menangle Park), is a surface to in-seam. The drill goes out through the coal seam which is different to here. Camden also produces very little water, around 3.5 to 4.5 mega litres per annum for the whole field. Different scenario. I think if you go back to the extracted water management strategy the projections in that will have a significant drop off in water. The seams here are 'wetter' than Camden. But nowhere near as much water as in Queensland.

AH: My point is that one thing that gave me some comfort was that we can lock these things off and they can stay locked off as long as we like, and this appears to contradict that information.

IS: You have got a few different scenarios. The flow back water is of different consistency than the produced water. Produced water is simple old salty water, whatever is in the coal seams. It is only because of the current situation as far as Waukivory Pilot is concerned that there is a difference.

With Camden that can go under four to six metres of water. They simply go and take off some electronic equipment so it doesn't get damaged. You are talking about a short period of time. In normal scenarios it would be under water for a maximum of a couple of days.

The other thing here is the shut off valve. If there are any changes in pressure the 'slam shut valve' closes and it locks the well in. You can do it remotely, but it does it automatically. You can't remotely restart it, you have to physically go out and find why the slam shut valve closed up. That was a decision made in the Lucas days, to put those in.

TL: Regarding the Environmental Assessment modification. There are a few items to modify the EA to match the design. Hopefully that will be going in in the next month or so.

The Stage 1 project conditions of approval are ongoing, we are still progressing on that.

The only other activity is the geotech program coming up. That involves a small drilling rig, like soil sampling. It is the same as last year's geotech program and that feeds information into the Stage 1 project exploration sites to support engineering aspects. It includes some test pits; it is a typical geotech study.

IS: It starts next week at the bottom end of project near the pipeline. It has a six to eight weeks projected timeframe and it will move up here.

TL: Various locations, some in the pipeline, a few in the field. Covering a range of locations.



MU: When you say soil sampling it's not checking the ability to produce vegetables? It's checking type of ground - clay, rock, dirt?

TL: Correct.

IS: There are a couple of different processes. Where we are looking at under-boring Limeburners Creek Road, you need to know what conditions are there. There is also some other under bore sites such as Waukivory creek. You need to inform that information.

RW: They have done a lot of that already haven't they?

IS: Yes, this is the gaps they have identified afterwards.

TL: It is building up information. Progressing on previous data.

IS: They will be introducing a new tool into this. Dynamic Cone Penetrometer, which is a rod with weight that falls a certain distance and they measure how many times and how far it goes into the ground. So there is no disturbance.

Guest Speaker – James Parker (JP) - Managing Director of Jetty Research, a Market and Social Research Company based in Coffs Harbour.

Presentation is regarding the methodology and findings of the perception survey.

JP: Research was carried out for AGL. This presentation is wave 4, meaning the 4th range of research we have conducted. The first was conducted in July 2012.

This was a random survey of 400 households split between the Gloucester and Manning Valley, Taree and to the West – not the coastal zone. In this case there were 250 people in Gloucester and 150 in the Manning Valley.

It is important to note that we did not mention who we were calling on behalf of, or what the subject matter was. This was to avoid creating a response effect of strong opinions one way or another. If you do say that information at the start it has the potential to skew the result. They find out more about the subject as we get into it.

The random sampling error for a sample of 400 people is 4.9%. This means the survey should be representative of the population as a whole to within 5% either way. The 95% confidence means if we did the survey 20 times, in 19 of those 20 the results should be plus or minus 5% on the current ones.

Results have been post-weighted. Meaning we take the sample for a robust mix of ages and genders. We apply that against the census data for this region and we weight the data so the results are representative by age and gender.

About Jetty Research. We were founded in 2006 by myself. I have been in media for about 20 years prior to launching Jetty Research, but I have always had a great interest in research. I am a member of the Australian Market and Social Research Society (AMRS) which gives us guidelines regarding privacy and confidentiality. We have a call centre based in Coffs Harbour. We have 12 locals who do research. We are currently researching in Perth and we do research all around the country. We have completed over 250 phone surveys during our time in operation. Our clients include WorkCover, Roads and Maritime Service, Hunter Water, University of Technology, and about 20



NSW Councils.

Survey results

It is important to point out that this was conducted in December last year. Obviously in the CSG sphere lots of things have happened in that intervening 4 months. You need to take these results as a snap shot of community opinion in early December.

Also I will point out that this is all the results of the entire survey conducted by AGL.

RW: The key there says 2012 v 2014 and 200 v 400. What does that mean?

JP: We have used a larger sample this time to bring the sampling error down. The results for one should be slightly more accurate. The 200 sampling error is about 6%. It was a conscious decision by AGL to use a larger sample size for more accurate data.

Looking at the results we asked:

Question: How closely have you been following the discussion about Coal Seam Gas exploration and extraction in your region?

What we see is that interest has been growing. The percentage that have been following very closely went from 10% to 29% and the percent of those not following went down from 19% to 6%. This shows there is a very engaged population.

Important to note that the questions remain the same all the way through these surveys so we don't get a difference in the way it is asked which creates its own bias, and the results are accurate.

Question: How supportive are you overall of Coal Seam Gas exploration in your area?

We use a 1 to 5 sliding scale where 1 means strongly opposed, 5 means strongly supportive and 3 is neutral or unsure.

It's not simply a yes or no question, it asks for degrees of support or opposition. This allows for neutral responses by people who don't have an interest or are on the fence. We see over the 2.5 years, the proportion of people opposed is pretty consistent at about 40% of the population. Those who are neutral has come right down, they have become more interested and the support has increased over that time.

The net support (the proportion supporting minus the proportion opposing) has gone from 33% in 2012 to 23%. It is coming down largely due to people who didn't have a position at the start.

We have also split out the Gloucester only area. This is just the 250 people in Gloucester who we asked the question to. 41% were support and 41% were opposed and the balance was neutral.

Narrowing down just on Gloucester the sample has increased from 110 (2012) to 250 (2014). The proportion in December last year had increased from 14% in 2012 to 41% in 2014.

When they gave their scores (1 to 5) we asked:

Can you explain why you gave that score?

We recorded their answers and coded them based on themes. Red bar suggests they are opposed, green shows support and blue is neutral. Following the debate myself, I suspect there is nothing particularly new in this.

-A major concern is damage to the water supply.

-Benefit they can see is creating jobs and benefit for the area.



-
- Concern about damage to environment.
 - About 1 in 5 people had no opinion or was unsure. These are the people who are not particularly engaged in the subject.
 - Concern over fracking and chemicals 11%, needing more information and research.
 - 10% said as long as it is done properly it seems alright.
 - Damages to farmers, farmland, food chain,
 - 1 in 11 said they don't trust AGL and/or the government,
 - 9% said we need alternative energy sources, and down from there.

RW: The last one 'the other' was there comments in that?

JP: I can't remember what the 'other' was but I can find out and pass to Karyn, but we always get them.

Question: AGL has recently completed hydraulic fracturing of coal seam gas wells in the Gloucester region. Has the program directly affected you?

We didn't make any indication about what we meant by 'directly affected', that was up to them. 89% said "no it hadn't" and 11% said "yes it had".

Of the 11% we asked a follow up question:

Can you briefly explain how this fracking program has affected you?

These are numbers of people rather than percentage as only 45 people said it had an effect. Twenty people said emotional impact or stress. There was also traffic, visual, noise pollution, future health or environmental concerns, damage to social/community, discrimination, negative financial impacts, and down from there.

MU: Can we mention that the number in total is more than 45 so people had several answers.

JP: That's right, multiple answers were allowed.

Question: Do you now feel more or less confident in AGL's ability to safely manage CSG extraction in the Gloucester region than you did this time last year?

The results were pretty much split right down the middle. 30% were less confident, 23% more confident and 40% said no change.

As you would expect the people who were opposed were more likely to be less confident and people who were supportive were likely to be more confident. Opinion was split down the middle.

Question: Do you feel you have enough information on CSG?

About half the people said 'yes' and that is also split down the middle. When we asked this question last time the 'yes' was 40%, so it is rising, from 40 to 53. In Gloucester it is now 63%. That says people have been bombarded with information.

Question: If you were seeking information on CSG where would you typically look for information?

This question is designed to help AGL put the information where people want to see it. The internet was by far the biggest answer, still a large proportion of people who speak to friends, family or neighbours. 16% said they seek information from the gas

Karyn Looby:
James Parker to
find out from
qualitative
comments what
the category of
'other' included.
(Slide 8 of
presentation)



exploration company which is up from 5% 2 years ago. That suggests that there is possibly a slightly higher level of trust now. Newspapers 15%, local government 9%. The Greens and anti-csg avenues 8%, and so forth down from there. Interestingly TV and radio were not seen as being particularly useful.

Thinking about the information provided by AGL. How useful have you found it? Just fewer than 40% say it's fairly useful while 36% say it's not very useful. 17% were unaware of the information these were almost entirely belonging to the Manning region.

AGL is interested in what forms of communications are most useful. Despite the internet and all it's wonders people still prefer the local newspaper, letter box drops or community meetings. Having something in their hand gives it credibility. Old media is as important in the role it plays as new media in letting people know information.

Question: The NSW Chief recently handed down her report on various issues relating to CSG extraction in NSW. Are you familiar with this report?

We didn't ask if they had read it, just whether they had heard about it. One third of people said yes they had and 67% hadn't heard of it. In Gloucester though almost half answered yes they had heard of it. We asked the 33% who had heard about it a follow up question:

Thinking about the report, which of the following statements closely represents your views in relation to the safety of CSG extraction?

Do you feel more or less comfortable?

The result is split, slightly more confident. 40% said it had not influenced their view at all, 21% said they were less confident, 37% said more confident.

Question: Do you feel there are any benefits to the Gloucester/Manning community from this project?

The opinion is split down the middle. In Gloucester the yes was 58% and that is unchanged from the last research. Those people who said yes we asked:

What do you think those benefits are?

Again multiple responses were allowed. The major finding was employment opportunities and bringing money into the region. Hopefully improvements in infrastructure and possibly lower gas prices. Those were perceived to be benefits from the 190 odd people.

Question: What sort of contribution would you like to see AGL make to assist your local community?

This was asked of everybody. The results are broken down between Gloucester and Manning. It's also been graded highest to lowest. In terms of what they would like to see. Employment opportunities was number one, donations for local organisations was close behind, general comments about more money being put into the community. 14% in Gloucester said the best thing to do is for AGL to move away. 12% focused on greater improvements for infrastructure. 11% said more information and research about safety of CSG. 10% said more work is needed on protecting the environment.

That was the Wave Four research conducted in December.

Any questions?



TM: People who like the newspaper and people like the internet, does that correlate to age groups?

JP: Less than you might think. There is definitely an age effect. Young people are more likely to use internet or social media but we are constantly surprised by the proportion of older people in their late 60's who are getting into that. You would be surprised.

MU: It is still the fastest growing sector in using social media, but off a low base.

ER: Can we get a copy of the presentation?

JP: That's up to Karyn. Does anyone want to talk about the more recent survey that was done, not by us?

RD: When you adjust for the demographics. What happens to the results you discard?

JP: We don't discard anything, we weight the results up or down.

RD: A scaling process?

JP: Yes, but it makes almost no difference at all. We always do it and compare the weighted and unweighted data. It doesn't make much difference, it almost never makes a difference. Here is a theory called the 'law of many' meaning if you speak to enough people, ultimately you get the answer.

AH: If sampling is random and large enough you shouldn't expect a huge difference.

JP: Obviously get differences in opinion in different age groups and genders.

ER: What's that other survey?

JP: There was a *Reach Tell* survey that was in the paper about a week ago. I haven't seen all the results; I have only seen 1 result that there was a lower level support for CSG. Some people were querying that result vs the 41% and the result I showed you.

JG: There weren't many questions in that one.

RW: 4 questions and 700 samples.

JP: I haven't seen the methodology behind it. But I want to have a chat about why they would be so different.

The first thing to point out is there's a time effect. The research was conducted a couple weeks ago and ours was in December.

There is also a potential response effect. We are very careful not to mention who we are representing or the topic. That is to ensure we get that middle ground of opinion. If you get to see it, make sure they didn't say we are calling on behalf of ... and the survey is in relation to CSG... As soon as you say that you skew it towards people with a strong opinion. I don't know if they did that.

The question they ask is important. It might be a different question then we asked and I don't know if they did a scale, or a simple oppose or support question. If you ask a simple oppose or support question you force people in the middle to one side. We are always very careful to always have neutral ground.

Another difference might be in the sampling area. They were also in Gloucester and Manning Valley. But we don't know the proportion in Manning Valley. I can't speak about differences. If there is a reason it will be in one of those four factors. I'm not saying their results are wrong, it is just a different methodology and a different time.

RW: It's interesting. The breakdown between Gloucester and Manning. The level of information they have access to forming opinion. Manning tended to have less information yet a stronger negative feeling.

JP: That's true Manning Valley were less supportive, less interested and less informed. Not saying there is a correlation but there is definitely less support in the Manning Valley then in Gloucester at that time.

Moving forward after extraordinary meeting – CCC Survey Results

Nobody who doesn't usually come along took the survey.

MU: The graphs reflect the average scale rating for the questions. The scale asked to rank from Strongly Disagree (1) to Strongly Agree (5). The closer the number is to 5, the more support for the statement.

Information within the CCC

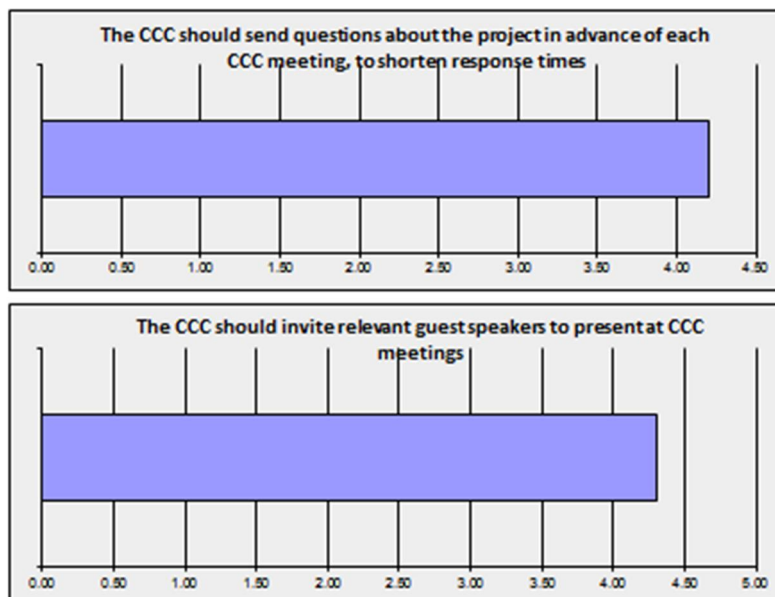


Figure: Graph 1 and Graph 2

Graph 1: *The CCC should send questions about the project in advance of each CCC meeting, to shorten response times.*

The graph suggests that we call for questions prior to meeting with a cut off time to

submit. AGL need to have time to form a response. There is a concern that questions are being asked with a large proportion not being answered or unable to be answered thoroughly. If we put some of the questions up early there is a greater chance to get information at this forum.

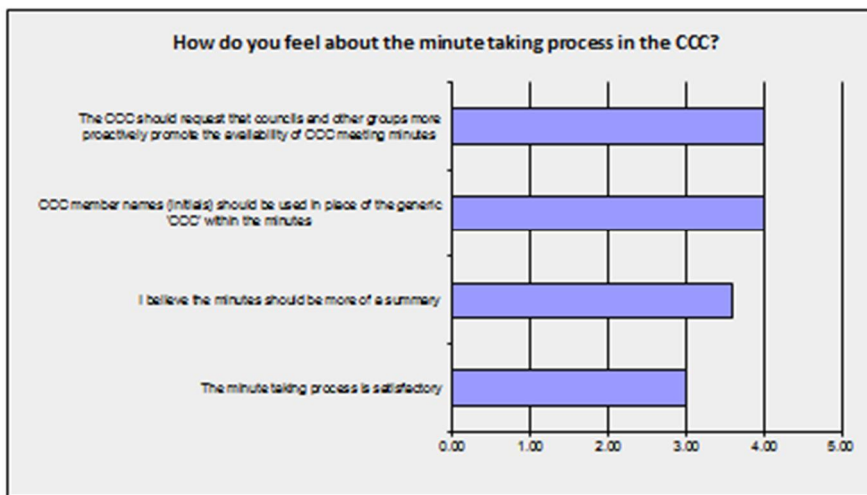
All: CCC members are to send questions for AGL prior to meeting (preferably 1-2 weeks prior) to shorten response times.

MU: Is anyone against it? *no objection*

Graph 2: *The CCC should invite relevant guest speakers to present at CCC meetings.* I would suggest that we discuss that, put forward a list and prioritise that list.

Any issues with that? *no objection*

Minute taking within the CCC



All: CCC members to put forward suggestions for guest speakers

Figure: Graph 3

The CCC should request that councils and other groups more proactively promote the availability of CCC meeting minutes

I would suggest as the CCC we write to each council and organisations, and see if there are ways they can actively promote that the minutes are available. Not necessarily put them up themselves instead try and promote the use of links to the AGL website.

Any issues? *no objection*

CCC member names (initials) should be used in place of generic 'CCC' within the minutes

Initially we changed to 'CCC' due to concern that you could be held liable or accountable by the community and targeted. This result tells me there is not that concern anymore.

All: MU to write to each council and relevant organisation regarding active promotion of CCC.

Is anyone against implementing that? *no objection*

RW: Relating to the level of minutes, if it is a summary, would that need to apply?

MU: If we had a summary we'd still look to have some discussion and questions. But we will still have the question and questioner.

Michael Ulph: CCC member initials to be placed back into meeting minutes in place of generic CCC.



In regards to the following two questions:
I believe the minutes should be more of a summary, and;
The minute taking process is satisfactory

Over 50% are happy with the current minutes but want more of a summary than an exact recount.

Comments included:

- Items of confidence could be removed from minutes.
- Community has a right to know exactly what happens in CCC meetings.
- Would a summary lead to more open conversation?
- CCC is as open and transparent as it needs to be.
- Summary of discussions rather than exact words with options for members to quote against their name.

The feeling I get is that verbatim minutes are overkill. There are two thoughts, that at the moment they are as open and transparent as they can be, but on the other side people might be less likely to be open and frank when they know everything is recorded exactly.

My suggestion is that we cull a bit. We reduce and summarise discussion instead of word for word.

ER: I don't want to reduce the level of truth. If it can be summarised, fine. If it changes the meaning then no it can't.

MU: Absolutely. Let's reduce it a little bit and revisit. *no objection*

RW: It's a double-edged sword. In the Dialogue, it is not recorded so it stimulates really good discussion. The flip side - trying to get information out is hard as it is restricted by the Communique.

ER: The problem is that it's [the Communique is] open to interpretation.

RW: AGL mentioned in that forum. They feel guarded in what they can say. In the Dialogue it's free flowing.

MU: Also with written communication, you can read in whatever tone of voice you like. As a member you know the tone of voice in the room at the time. But it's not so useful for others.

Michael Ulph:
Meeting minutes to be reduced. To be more of a summary and not a word for word recount.

Membership of CCC

What do you think about the current CCC numbers?
 Average score: About right

What is the ideal number of members?

How many meetings can be missed before membership status is followed up?
 Average: 2.7

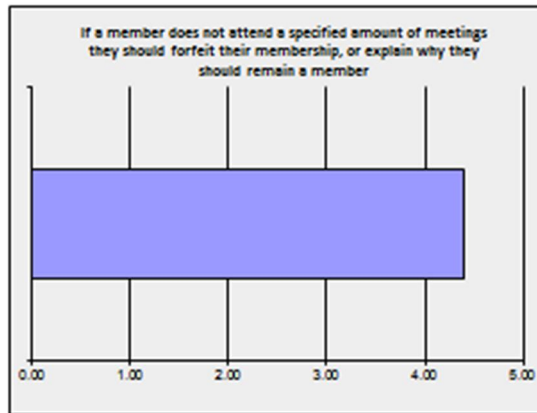


Figure: Graph 4

If a member does not attend a certain amount of meetings they should forfeit their membership, or explain why they should remain a member.

Support for that, which led to the exact number that can be missed.

In regards to membership numbers, most people seem to think we are about right. We have had some resignations so there may be vacancies.

Michael Ulph:
 Contact members regarding poor attendance

What other suggestions or comments do you have regarding membership?

- Annual retake of nominations for all members
- Department of Planning guidelines for CCC
- All members should be local to Gloucester
- Concern over doubling up on group representation
- Current membership is adequate – has a broad spectrum of opinions
- **What do you think?**

Opportunities to extend membership

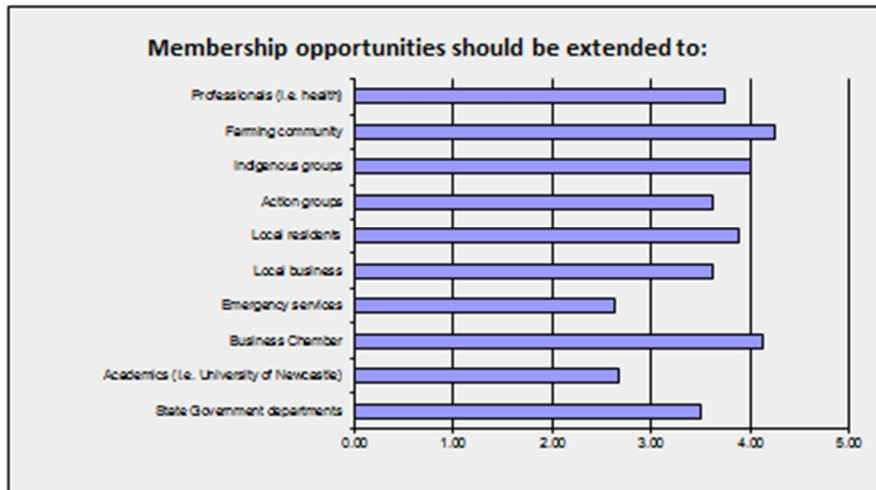


Figure: Graph 5

This graph is about who membership opportunities should be extended to. Highest rating was business chamber, farming community and indigenous groups. There was some strong support and strong opposition so this area is not so cut and dry. At this point in time we have 5 farming community representatives.

AH: We need to be careful about that. I come here with my Council hat on. We need to be careful about what hats we are wearing.

We only have 4 community reps when you take out AGL etc. We are about the right size but we should offer to those top 3 a formal spot on the CCC. Might not get any takers but there is room and they are 3 groups that are important.

MU: An indigenous group (Forster LALC) has a representative on this committee who hasn't attended.

AH: Remake those offers, they may not come but they are important opinions to have.

IS: Regarding indigenous representation. The chair of Land Council nominated himself. There may be a possibility that if we sought a more local representative that may occur. The schools have an aboriginal education policy. I went along to talk about our work we had done. There is a real keenness from the local Aboriginal community to be involved.

MU: In the first instance Dan falls into category of those who have poor attendance. I will chase them up and see what response I get. Looking at business chamber and farming community. We do have farmers here. Are you suggesting something more formal like the Farmers' Federation?

AH: We should invite a representative from a peak body.

ER: We need somebody that has a representation avenue that they can get to members. Not just the farming federation. They go to meetings and talk to the members to disseminate information.



AH: It's another way to get another 14 or 15 people to hear about the CCC.

MU: Is there general acceptance to move forward?

RW: I used to be a member. I withdrew my membership because the association wasn't proactive in engaging.

AH: It is the peak organisation for NSW and has 10 000 members.

MU: The key is if they can represent this local community in relation to this local project. If Farmer's Federation can do that?

NC: Are you talking about the Manning area as well? No.

AH: With the Farmer's Federation there is a strong link there so there is opportunity to have communications.

JG: NSW farmer's membership is very small compared to the farmers in the district. I don't see it as appropriate.

AH: It is one of the most active and largest in the state.

MU: Representation for farming conversation needs to be continued, we can go ahead with Business Chamber. Is everyone ok with that?

AH: I am not ok. You are excluding farmers. Because you can say the same about business chamber. There are a lot of businesses who aren't members. I am happy to have them here because they are legitimate representative, but so is the farmers' association.

MU: Should we hold off inviting everyone until we have the entire conversation?

AH: Yes.

RW: How do you compare? Gloucester business represents local business. The NSW farmer's association goes out a lot further than Gloucester.

AH: There is a local branch. It has one of the largest memberships in NSW. If you invite one on the basis that it represents a group you should invite both.

MU: If no one is against holding this over. We will contact Dan Rose, get a response and that will help discussion next meeting. We will need more discussion around who will represent farmers and business.

Promoting CCC to the community

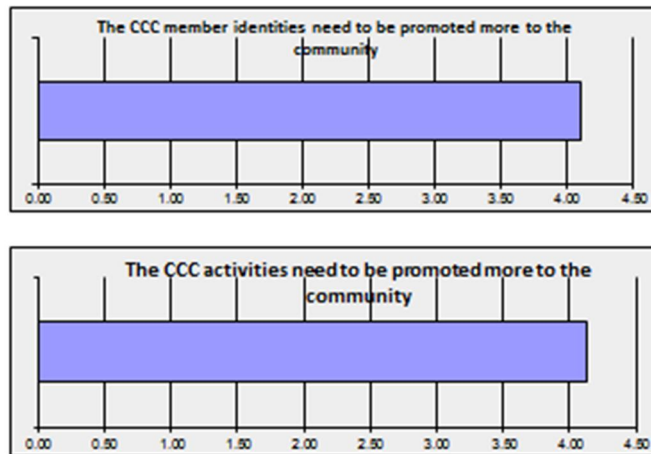


Figure: Graph 6 and Graph 7

The CCC member identities need to be promoted more to the community

There was above average agreement for that. The idea here is that through some mechanism your names are promoted as being members of CCC.

TM: Dungog council does that with me.

MU: We've heard today that people read the local paper, letter box drops and letters. I suggest that may be a way. We have membership there but it's out of date. We are looking for a way maybe at next meeting to come up with a suggestion of how we might promote.

The CCC activities need to be promoted more to the community.

Someone commented that there are no activities but we have had a presentation on the survey from James. If the community knew that, they may ask questions about it. We are prompting extra discussion as well as promoting who can promote particular items that were discussed.

I suggest we look for a way to promote. An idea that jumps out is through the local paper. We will put that up for a discussion next meeting as well.

Public involvement in CCC

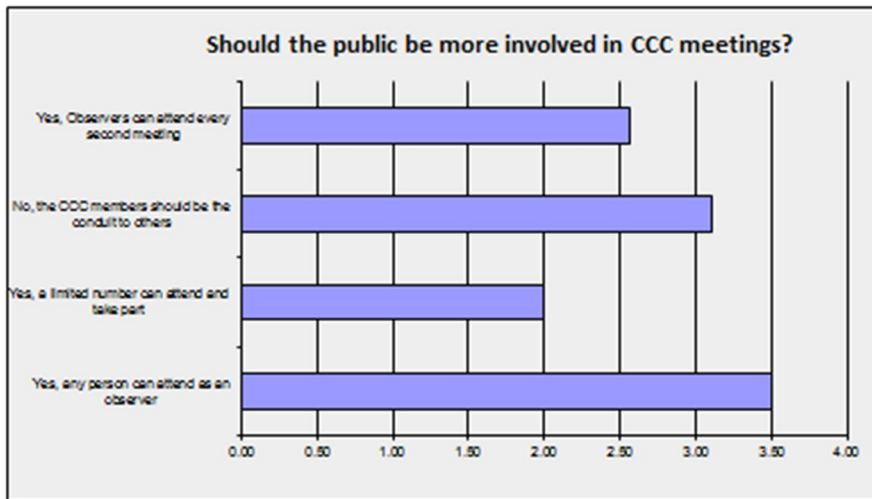


Figure: Graph 8

Should the public be more involved in CCC meetings?

There is not a good representation of statements to get a clear picture. We have got the idea of a fishbowl scenario that happens in various forums versus a select number that come through some process and take part. We had a variety of opinions. We had an average agreement for 'Yes, anybody can attend as an observer'. People coming as an observer may have trouble observing. But we have a clear message that we are looking to become more open as a forum.

TM: With too many observers, people in the CCC may not express their opinion. This forum is set up to allow you to talk freely amongst your peers in this room. I don't think the general public will benefit. I think we speak more freely now because we know it's in this room.

ER: My answer was we have to try one and see. Put it on once and we can say that was a waste of time or that was good and make a decision from there.

MU: An option is for each member to bring one other person.

AH: I am supportive of Ed's idea to say we are holding an open CCC meeting and see how it goes.

RW: The other thing is, every second meeting or a little open-ended. When you have topical issue, like BTEX you wouldn't be able to get into the room. It's a bit of a risk.

MU: I would be concerned about opening it to any number of people to attend. You may need a larger venue etc.

TM: Do it like council. You submit a request if you want to say something or someone who does want to come along and listen. It gives us control as to how many. We are not getting hijacked or ambushed, it's a heads up.

MU: How do we feel if a person who wants to speak is sponsored (by a CCC member)? So there is control to an extent. Going back to a member being able to bring someone.



ER: It needs to be done in advance.

TM: It's the same as questions submitted in advance. We want some heads up.

RW: The other complication is not having the luxury of agenda prior.

TM: If you let Michael know.

RW: No one outside of CCC gets the agenda prior to the meeting, do they – it doesn't go on the web site.

TM: Someone could ask you for it.

MU: Anyone with it can send it to someone else. Karyn, any opinion?

KL: I'm always open and transparent. The more who hear the information the better; I don't see any major concerns.

MU: We have consensus. *no objection*

Do we want to have that as 1 or more than 1 person attending at a time? Can we have three people come?

TM: You work to the time constraints. You'd allow as many as can fit into our times if they want to speak. If they want to come and listen they can come.

Action: Rod to send a copy of the ad to MU.

IS: You have groups represented here. I am sure representatives here bring not only their own opinion to the table but they transfer their group's opinions.

MU: They are a conduit to group they represent.

IS: In many cases the need for someone to come and speak is not always necessary. But I support the observer's scenario. It needs to be controlled; we can't have 50 people in the room as observers.

MU: If we are promoting who members are, anyone interested can contact a member to have a question asked. There may not need to be someone to come and state their own questions but there is a feeling that an attendee observing is a good thing.

Agenda item: discuss Government agency roles and responsibilities.

RW: The issue is getting information out. Do we try and push it out through other means first, papers and so on. Reflect on it and then go to inviting observing. Promote ourselves first before inviting people in. Build a rapport first.

MU: OK, some nodding around the room.

JG: When you do that you also need to put a clause. If you wish to make representation, make it through one of these people.

Action: ALL – send an email to MU to suggest who we should invite to address the CCC.

RW: I am a bit nervous about opening the doors too early. We have some work to do first.



MU: I am getting a sense around the room. First we will aim to promote membership. Next meeting we will discuss and formalise how we might inviting people.

TM: So from this meeting we will promote ourselves?

MU: Yes. I'll draft something up and gain some consensus by email.

RW: In another CCC we were struggling with the same thing. We are putting in a paid advertisement every quarter. The second was in this week's paper. That was an attempt to promote the CCC to the public. We are listed on the website and it really captured a couple of things. I'd suggest from this one, about a presentation by Jetty Research.

MU: Can you send me a copy of that ad?

What other pressing CCC issues would you like to have discussed?

- Framework for AGL's community contribution should the project continue
- Government Agencies roles and responsibilities
- Information is presented through media – Needs to be presented to CCC first hand
- Disbanding CCC
- **What do you think?**

MU: All those in favour of disbanding the CCC. *unanimous rejection.*

ER: In terms of Government roles and responsibilities. New government has completely reshuffled all the chairs. My question is what is the Office of Coal Seam Gas doing?

RW: Office of CSG might be first we get through door at next meeting.

MU: Can everyone send me an email with who we should invite to address this forum, we will make priority list and discuss it at the next meeting.

4. General Business

MU: Ray has a list of questions. Aled also presented some. Do you think one week or two weeks cut off for questions. Not to suggest that there are no questions at this forum, but to improve the response rate and level of detail, getting them in advance will be useful.

JG: Two weeks at least, so AGL can get a response to them.

MU: Send them at any time but don't expect answers if they are the day before. We are trying to improve the process.

RD: My process was to submit my questions to Toni. These are the result of emails sent



to me. Toni has already answered some of them. Something I would personally like to see is the name of the person and their position stated for whom answers each question. I'll hand those on and they are for next meeting.

MU: Aled's questions

1 - *About the survey* – Addressed.

2- *What were the circumstances that led to the requirement to flare?* Addressed

3- *Were the reports of a gas leak on one of the pilot wells accurate?* Addressed

4- *If so, which well is leaking?* Addressed

5- *How were local residents notified of the incident?*

TL: In terms of the leak it wasn't required to be reported to the EPA or community. We do have a process in place for incidences that do require that. Level of this did not trigger that response and therefore there was no contact.

6- *Does AGL have a documented procedure for alerting local residents of gas leaks?*

Addressed

7- *How long will flaring be occurring for?*

TL: At the moment we have approval to (I think) the 21st. I'm not sure how they are tracking. The purpose was to reduce the pressure.

MU: If it's not the 21st please let me know

8- *Does AGL have any plans to monitor air quality following flaring?*

TL: We do, it is part of the fugitive emissions monitoring done previously, and presented here. That process is in place and it is ongoing.

RD: How will that take place? Will there be a survey along lines of projected drilling sites first?

MU: We know that benchmark levels of methane were monitored, were recorded way back, over a year ago. We had a presentation here about that. But in the future Toni?

TL: Continuing along the same lines. In the same way that the leak was detected, they are monitored on a regular basis under EPL as well, as each of well sites.

MU: So the leak was detected by someone holding a gas monitor as part of a process?

TL: US EPA 21, part of the monitoring process.

IS: Which is monthly?

TL: Yes we have various monitoring techniques. Our guys are out on site and carry gas detectors with them all the times. It is a specific monthly requirement we must meet under our EPL. US EPA 21 is the method we use to do the monitoring under.

9- *What regulatory oversight of the flaring process has been adopted?*

TL: That's with the Office of Coal Seam Gas, who gave approval for the flaring, already approved under REF. EPA have also visited the site.

10- *I am also curious about the procedure to monitor wells that have been capped and abandoned such as the well on Harris' property, which is in reasonable proximity to the pilot.*

TL: That particular well has been plugged and abandoned, not capped and abandoned. It is full of cement and decommissioned. At completion of the activity to plug that well there is a process. We run the gas meter over it to make sure nothing is there, and again 12 months after.

Action: Toni to advise MU if flaring date is not the 21st (for the minutes).



JG: Only twice?

TL: If 12 months later there is no gas detection, the process and guidelines we use to seal those wells, the casing is still down there, they are cemented from the bottom to the top. It's determined it's unlikely to have an issue. It is done to the Department guidelines.

RD: It would be nice to let people know it is plugged and we will check on it.

MU: In the plugging process you put in 20 metres of cement?

IS: 200.

MU: 200 metres, wait until it's cured and dry and then test it and then another.

RD: Maybe a press release from AGL explaining what 'plug and abandon' means?

MU: Any further General Business

ER: We were told that the Ward River Pilot REF would go in at the end of March or beginning of April. What's going on?

TL: It has been delayed. When I have the timing I will provide it. It is something we are currently looking at and reviewing at the moment.

ER: We have had over the last couple of weeks AGL have said they have bought gas out of Bass Strait. 190 odd petajoules. They are playing with the gas market. I am just hoping that the NSW gas supply now is stabilised until 2020. The Wards River Pilot seems to now be on weeks, months, we are not sure where that's going. I have this thought, are we now going to go into a 5 year hold before anything more proceeds? The AGL board are discussing the whole Upstream gas thing. The NSW government is playing deckchairs. Has anybody got any idea what is going on?

TL: Our response to that includes the support of AGL Gloucester Gas Project to fill the gap [in the gas demand]. That relieves some of gas scenario shortages and is part of the story.

KL: We are still committed to supplying gas for NSW.

TL: Gas is not only used domestically. It is a large component of manufacturing. Still a large gas requirement. My understanding of the contracts that AGL have signed is that relieves part of the story but they are behind in meeting the timelines we currently have. There have been no indications of any change.

JG: Wasn't there a timeline differential and that's why they bought that gas?

TL: Yes. Depending upon when Gloucester comes online. AGL has commitments to the marketplace to provide gas to its customers, both industrial and domestic. Gloucester has always been part of that story.

ER: The CCC for a long time has been told by AGL at the end 2016 gas will flow from the Gloucester Gas Project. That's looking pretty suspect at the moment. We were told last year that 2015 would see the start of the pipeline going in. Its half way through 2015 so it all seems a bit iffy.

TL: I don't think it's iffy, certainly the timelines have changed. We do have requirements to get this up and going. That is what we are working towards at the moment. We are working on the conditions of approval.

ER: Is the board still looking at the end of this year to make the final decision?

TL: I believe so. I can't talk on behalf of the Board.



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MU: The other comment to make is around that approval. The State government approval lasts for, is it seven years post approval?

TL: Five

MU: If not acted upon in five years that approval lapses.

ER: From memory the EA runs out the beginning next year?

TL: Correct.

Next meeting 18 June 2015

Meeting Closed at 1:10 pm

Michael Ulph - GHD – Stakeholder Engagement



ACTION ITEMS	
Action	Responsibility
Request for presentation from creating communities regarding Café Dialogues.	Karyn Looby
What are changes to water modelling? What are the basic assumptions their making? How is numerical model changing?	Toni Laurie
Is 18 metres x 15 metres (in regards to rehabilitated gravel pads) the new dimension to put through in EA?	Toni Laurie
CCC members are to send questions for AGL prior to meeting (preferably 1-2 weeks prior) to shorten response times.	All
CCC members to put forward suggestions for guest speakers.	All
CCC to write to each council and relevant organisation regarding active promotion of CCC.	All
CCC member initials to be placed back into meeting minutes in place of generic CCC.	Michael Ulph
Meeting minutes to be reduced. To be more of a summary and not a word for word recount.	Michael Ulph
Contact members regarding poor attendance.	Michael Ulph
Update membership on AGL website	Karyn Looby
James Parker to find out from qualitative comments what the category of 'other' included. (Slide 8 of presentation)	Karyn Looby