

MEETING MINUTES

12 February, 2014

Minutes: Santos Community Committee -Narrabri Shire
Wednesday, 12 February 2014
Narrabri Golf Club, Narrabri

Attendance: David Ross (Chair), Tahnee Laycock (Secretary), Tony Pickard, John Tough, Annie Moody (Santos), Vesna Rendulic (Santos), Kevin Lanigan, Michael Guest, Ron Campey, Ian Duffy

Apologies: Victoria Hamilton, Ken Flower, Terry Hynch, Brendan Warnock, Jon Maree Baker

	Discussion	Action/By Whom
<p>1. Welcome, apologies and introductions</p>	<p>The chair opened the meeting at: 5:35pm Chair welcomed committee. The chair sought members' approval for the secretary to use recording equipment. Members approved this on the condition that only the secretary is to have access to the recorded material. The chair and secretary both gave a commitment to the CCC's wishes.</p>	
<p>2. Previous meeting's minutes and carry over actions review</p>	<p>-Chairman started by summarising the actions from the December meeting. -Santos committee member advised that the groundwater modeling and monitoring plan (NCP) has been provided to the committee and therefore, outstanding action has now been finalised. -With respect to the action on whether VOCs, volatile organic compounds, will be measured as part of the air monitoring program, Santos notes that these will be monitored when a production project commences. The methane sampling program will continue throughout the exploration and appraisal program and the Narrabri Gas Project environmental assessment. Santos notes that the flare at Wilga Park is now operational and that the gases from the Tintfield wells are going to it.</p>	

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	<p>Q Committee member: Is this gas also used to go over the generators when necessary?</p> <p>A. Santos: No, Tintfield gas cannot be used in Wilga power station. We do not have approval to use this gas in the power station.</p> <p>Committee member observes that Eastern Star Gas had used this gas in the power station.</p> <p>-Soil sampling is being undertaken at the moment – it is believed that this is taking place in relation to the Biophysical Strategic agricultural Land base line monitoring program. Santos will make an enquiry into the Leewood site soil sampling and get back to committee. Committee member asks if this testing includes bacterial?</p> <p>-Re: action to formalise the committee. Letter has been received by OCSG from the Minister’s Office. OCSG has advised that the new minister is considering the request by Santos and that a response is expected in early April.</p> <p>-Re: Committee member’s bore – Santos considers the matter finalised. Committee member has sought the involvement of the EDO in this matter and a response has been sent to the EDO by Santos.</p> <p>Q. Committee member: Does this mean if any other bores around the area have suspicious problems, Santos will just wipe their hands of it?</p> <p>A. Santos: All information on ground water monitoring in this area is available on Santos website. Water tests are conducted on all landholders’ neighboring bores, which all information is available to the landholder. There is also a formal complaint mechanism available through DRE and the Office of Coal Seam Gas to anyone who believes their water is affected by Santos activities. If people have concerns, we do address them. There are very clear criteria on ground water assessment and monitoring.</p> <p>Q. Committee member: Is all the information from the bore straight from the well to the computer system to the website your bores from Santos or independent companies?</p> <p>A. Santos: It’s all undertaken by consultants. Santos does not actually do it. Consultant firms such as CH2, RPS, GHD, there are a whole swag of consultant sites. They test the water and send to laboratories. From there an analysis gets loaded straight to website although some tests may take a</p>	<p>Santos to enquire into soil sampling taking place around Leewood</p>

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<p>3. Introduction to Santos' Narrabri partner Energy Australia – presented by Kevin Lanigan Appendix 1</p>	<p>few weeks to analyse. Q. Therefore, does Santos believe my bore was poisoned by onsite sewage as stated by Mr. Toogood? A. No. What Santos is saying is that Santos has responded to you via the EDO and in correspondence in April 2012 when your bore test results were provided. Chair confirmed with committee members that minutes from the last meeting were reflected as was discussed and accepted. Agreed by all present.</p> <p>(Slide 1) EnergyAustralia (EA) introduction: Kevin introduced himself as the CSG Joint Venture manager for EnergyAustralia since about 18 months ago, principally looking after EnergyAustralia's interests in the Narrabri Gas Project (NGP). Kevin stated he was a geologist with almost 25 years' experience in the oil and gas industry, mostly in Australia, both onshore and offshore. Today he is giving a brief introduction to EnergyAustralia and its reasons for partnering with Santos in the NGP.</p> <p>(Slide 2)</p> <ul style="list-style-type: none"> • One of Australia's largest gas & electricity utilities • Largest privately held supplier of generation output to National Electricity Market • Third largest Australian energy retailer (22% market share across eastern Australia by customer accounts) • Owns one of the largest underground gas storage facilities, with long-term gas supply contracts • Owned by CLP Holdings Limited (listed on Hong Kong stock exchange) • Rebranded as EnergyAustralia (from Tru Energy) in late Q3–October, 2012 • Map shows location of EA assets in Australia. Briefly introduced these, beginning with NGP. EnergyAustralia is a 20% equity holder in the NGP, with Santos holding the other 80% and operatorship. Since the NGP has estimated gas reserves of around 2500PJ, should the development go ahead EnergyAustralia's 20% share of the production is anticipated to be around 	

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	<p>500 PJ. Other EA assets were briefly introduced, identifying which are gas, coal and wind generation. EA has about 2.8 million customer accounts across eastern Australia, half of which are in NSW.</p> <p>(Slide 3)</p> <ul style="list-style-type: none"> • Recap of EA assets with picture of each <p>(Slide 4)</p> <ul style="list-style-type: none"> • Just like Santos in Narrabri, community consultation is a big priority for EA at all of the assets it operates. • EA prioritises engagement with community stakeholders, neighbours and local interest groups • Objective is acceptance — to get best possible match between social expectations and corporate behaviour • Currently conduct formal engagement programs at six major assets across NSW, Victoria and South Australia • Community feedback and involvement has helped shape delivery of major projects • Engagement supported by community investment (sponsorship) and employee participation on local community initiatives. Just like with Santos in Narrabri, EA seeks to maximise workforce living in area of operations, and for those people to be active members of those communities <p>(Slide 5)</p> <ul style="list-style-type: none"> • Slide shows NSW and ACT demand and contracted supply projections, with vertical scale in petajoules (PJ). From around the start of 2017 EA and other gas suppliers in the NSW market have a real problem with the availability of long term contracts. Many of these existing contracts are 20-25 year contracts and the fact that they are winding up around the same time is a perverse situation that nobody anticipated. EA is really concerned about where they might get gas from to supply their customers from early 2017. This is the principal drive behind EnergyAustralia's entry into the Narrabri Gas Project. EA also chose this project, in part, because of its confidence in the quality, integrity and experience of Santos as operator – with which it feels closely aligned on corporate values and standards. 	

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	<p>(Slide 6)</p> <ul style="list-style-type: none"> • EA is a long term participant in the NSW gas market both as retailer and consumer • EA supplies 260,000 gas customers in NSW • EA owns and operates the Tallawarra Power Station • NSW is currently heavily reliant on gas imported from other states (imports about 95%) • Transformation of gas markets occurring in eastern Australia, principally now due to export LNG facilities being built in Gladstone • Future supply of gas is important for a secure, stable and efficient NSW energy market now and into the future • brief summary of Tallawarra gas-fired power station (as per slide 6) <p>Comment: Committee member mentioned that thermal stations can take up to 48hrs to warm boilers and generators up.</p> <p>Q. Committee member: what is your normal start up time from cold with respect to gas fired thermal power stations? As there is a misconception around Narrabri that at a flick of the switch we can have power on the line if we had gas powered operation.</p> <p>A. I will have to find out and get back to the committee. On further reflection I am aware, that at the gas-fired Hallett facility, it can be basically be turned off and on within half an hour to an hour's notice, so it must be gas turbine.</p> <p>Q. Committee member: "In light of recent media reporting — namely the SMH of February 10, 2014, where the Queensland power generation company Stanwell is mothballing its Queensland CSG powered power stations and returning to coal. They are also reported to be considering selling their contracted gas back to CSG companies at higher prices to help these companies ensure that the Contractual Arrangement for overseas sale of CSG is met". Will EnergyAustralia be considering such a move with its Contracted Gas Supplies and divert the gas that is meant for the supply of cheaper/greener electricity generation within NSW away to the more lucrative overseas market if</p>	<p>EnergyAustralia to respond to questions raised</p>

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	<p>the opportunity presents itself? OR, Q. Will EnergyAustralia give a guarantee that all the CSG contracted for power generation in NSW from the NSW source be used exclusively for power generation in its NSW power stations for the life of the Narrabri gas project no matter who may own the project, thus ensuring a cheaper and cleaner power supply to NSW? I do not expect the presenter to answer this question tonight, however, I do expect an answer, after all, the reasons given above are what Santos is basing its NSW operations on.</p> <p>A. EnergyAustralia will respond to these questions at a later date.</p> <p>Q. Committee member: Given that you have 40 petajoules under contract at the moment for NSW; will your 20% share in this project cover the coming shortfall?</p> <p>A. No, EA's 20 % will only cover part of the shortfall.</p> <p>Q. Committee member: How many petajoules annually?</p> <p>A. Santos: The plan for NGP is to produce 200 terajoules/day. Independent estimates indicate that there are ~1,450 petajoules of audited 'most likely' reserves here.</p> <p>Q. Committee member: So it won't meet a complete supply?</p> <p>A. EnergyAustralia: Should the NGP proceed to development, EA's current 20% equity is all of the gas it would have the right to over the life of the project. If EA can't get additional gas from Santos's equity share, EA would need to buy this gas elsewhere. Participation in NGP is part of a strategy to fill a gap that EA knows is coming.</p> <p>Q. Committee member: Does EnergyAustralia have first right to the other 80% of the gas?</p> <p>A. EnergyAustralia: Not as far as I'm aware. Our entitlement is 20%, but may seek more from Santos, if available.</p> <p>Comment:</p> <ul style="list-style-type: none"> -It's deceiving that you have a Chinese company with a nice clean green Australian name. - China Light & Power's Australian company was originally called TRUenergy. Then, TRUenergy acquired NSW retailer, EnergyAustralia, in 2010-11 and, after some consideration, made a corporate decision to rebrand to EnergyAustralia in early October 2012. In part this was due to plans for a partial public float on the Australian stock exchange, which is still expected to occur at some future 	<p>Santos to provide conversion of figure into petajoules</p>

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<p>4. Environmental Impact Statement preliminary work for Social Impact Assessment component – presented by Annie Moody</p>	<p>time, so it will be partly Australian owned. Many other companies use Australia in their name without being Australian owned.</p> <p>Q. Committee member: Are you still building your business base, or slowing down due to the amount of gas you have?</p> <p>A. EnergyAustralia: The company is still looking to grow as much as it can. The Australian energy market is extremely competitive, particularly retail in east coast capital cities.</p> <p>Q. Committee member: What's wrong with Bass Strait?</p> <p>A. EnergyAustralia: Nothing. However, the large and relatively cheap and easy-to-produce gas fields in the Gippsland Basin are well into decline. While there is still thought to be substantial gas reserves in offshore Gippsland (although it is hard to get official numbers on this) this gas will be more expensive to develop due to deeper, poorer-quality reservoirs, higher contaminants (e.g. CO₂ and mercury) etc. The days of very cheap gas from there are behind us.</p> <p>Social impact assessments are part of working up the information for the Environmental Impact Statement (EIS) which is the regularity mechanism Santos needs to go through to get approval to proceed with the Narrabri Gas Project. NSW criteria to develop an EIS is quite extensive as there are a swag of components to go through such as:</p> <p>Part 1</p> <ul style="list-style-type: none"> - base line ground monitoring work - methane and air monitoring work - base line noise work - strategic agricultural land base line monitoring work - seasonal ecological surveys <p>Part 2: What are the social impacts and benefits in relation to this project on the community</p> <ul style="list-style-type: none"> - Currently retrieving preliminary information on social impact work <p>There are two stages in doing an EIS. The first part is a preliminary environmental assessment which</p>	

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	<p>is a document that is approximately 100 pages long and is basically an overview of what the project is going to be, where we intend to go, what methodology we will use to prove the project and framework to feed into the EIS. Santos is working on preparing the Preliminary Environmental Assessment (PEA) which gets lodged to the Department of Planning and Infrastructure. They (DPI) will respond with the provision of Director General’s Requirements (DGRs), which provide clarity as to what the different government agencies are expecting will be covered in the impact assessment.</p> <p>Santos will have consultants through March, April and into May gathering this information. They will be talking to the CCC as a key stakeholder, council, landholders, health services, welfare agencies etc. Progressively over the next couple of months these consultants will be back and have in depth interviews with people to gather information (See Appendix 2 for further information).</p> <p>The CCC will be an important stakeholder in the consultations and Santos proposes a meeting, not before April, that will take 3-4hrs potentially. Process – Lodge a PEA and then usually 3 months you receive a DGR from the department. From here you are looking at 6 months and more working on the DGRs and submitting evidence and applications to appropriate departments. It is a huge process that gets internationally scrutinised heavily by communities and governmental departments.</p> <p>Q. Committee member: CCC might not be in existence by this current membership by May/June. If we start this process off and this committee gets disbanded and the new one gets elected, the information of asking questions won’t be carried on?</p> <p>A. Santos: It is unlikely that the process involved in electing a new committee could be completed by June.</p> <p>Chair also notes that while we are an important stakeholder group, we otherwise represent the wider community and therefore, all views shall still be covered. It is also anticipated that a handover could be required between the current CCC and the formalised CCC in the future.</p> <p>Q. Committee member: Who are the consultantancy?</p>	

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<p>5. General Business</p> <p>a. Other Business</p> <p>b. Site visit</p> <p>c. Dates for first half of 2014</p> <p>d. Next meeting and issue to discuss</p>	<p>A. Santos: There are multiple consultants doing the environment studies (see page 2) but GHD are doing the main social impact assessments. They have worked for Santos before.</p> <p>Q. Committee member: Are the bee keepers still there? A. Santos: Yes.</p> <p>The chair drew everyone’s attention to a previous discussion on holding a site visit. While many members had attended Santos site visits of late, the committee as a whole had not been on site since November 2012. The committee was keen to visit the site together and agreed on this be organized for Thursday 6th March. Committee member suggested revisiting rehab sites which were visited over 12 months ago.</p> <p>Decision was made to visit the sites of Bohena 3, Bohena 2 and Leewood – 3 hr trip. Email will be sent by Chair to confirm.</p> <p>Q. Santos: Re: social impact assessment discussion, do we want to have an out of session meeting or replace the existing meeting? A. Committee members: Agreed that the discussion on the social impact assessment should be the focus of a normal committee and accept that the meeting could go for longer than usual.</p> <p>-Committee member moved for the Golf Club to be the new CCC meeting venue from now on. Committee endorsed this -Committee member congratulated Santos on their delegation to Scott Purcell at the local primary school presentation today.</p> <p>The chair provided the committee with the following proposed dates for meetings for the first half</p>	<p>Santos to arrange site visit</p> <p>Chair to notify committee of details of site visit</p> <p>Committee to determine whether to hold discussion in one night or over consecutive nights</p>

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	<p>of the year (taking into consideration that it was unclear when this committee would be closed and the formalised committee would commence):</p> <ul style="list-style-type: none">• March 12April 9May 14June 11 <p>These dates were accepted by the committee.</p>	

Next Meeting Topics: Wilga Park power station presentation at the Narrabri Golf Club

Date of next meeting: March 12, 2014

Meeting Closed: 7:13pm

Appendix 1: Introduction to Santos' Narrabri partner EnergyAustralia

Appendix 2: Social impact assessment overview

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Attachment 1: Actions

Action Raised	Date Raised	Progress Made
Action for Santos to provide committee with full soil analysis including analysis of bacteria of the Leewood site next year when it is available. As well as providing regular soil checks to ensure no contamination is occurring.	11th December	Ongoing
Santos to give a process to try and resolve committee members issue with his bore	14 th May	Finalised. Santos has provided Environmental Defenders Office, who are acting on behalf of committee member, with formal response .
Action for Santos to explore the option of formalising the committee.	18 th June	Ongoing waiting on response from DRE
Santos to provide further details on the erosion management plan for the flow line project	18 th September.	CCC will be provided a copy of this once it is finalized.
Santos to send out upcoming presentation for future meetings 1 week in advanced.	Noted and has been implemented	Ongoing
EnergyAustralia to respond to questions raised	12 th February	
Santos to provide conversion of figure into petajoules	12 th February	
Santos to arrange site visit	12 th February	
Chair to notify committee of details of site visit	12 th February	
Committee to determine whether to hold discussion in one night or over consecutive nights	12 th February	

Santos Community Consultative Committee – Narrabri Shire Meeting

Wednesday 12th February – 5:30 pm to 7:30 pm

Narrabri Shire Council Chambers

1.	Welcome, apologies and introductions	5:30 – 5:35	All
2.	Previous meeting minutes	5:35 – 5:55	David Ross
3.	Introduction to Santos' Narrabri partner	5:55 – 6:45	Kevin Lanigan, Energy Australia
4.	Environmental Impact Statement preliminary work for Social Impact Assessment component	6:45 – 7:00	Annie Moody
5.	General Business <ul style="list-style-type: none"> • Other Business • Site visit • Dates for first half of 2014 • Next meeting and issue to discuss 	7:00 – 7:30	All

Agenda Item

Reference:	140212_NCCC
Subject:	Narrabri Gas Project - Social Impact Assessment Statement
Request date:	February 2014
Requested by:	Annie Moody, Team Leader Community and Land through David Ross, Chair, Narrabri CCC
Request:	<p>Provide preliminary information on the elements of a Social Impact Assessment (SIA) for an Environmental Impact Statement (EIS) prior to formal engagement at a later date with the CCC.</p> <p>Scope of SIA The scoping exercise assesses the local and regional study areas based on the Narrabri Gas Project location. Scoping includes preliminary identification of social values that might be affected by the Project and identification of key stakeholders to be engaged through this SIA.</p> <p>Process</p> <ul style="list-style-type: none"> • Develop a social baseline for the local and regional study areas – this includes a review of demographic and economic data, property data, information on social infrastructure and services and existing challenges and opportunities in the region. • Identify impacts – relevant components of the project and broad study area are reviewed to identify key assessment aspects from a social impact perspective. • Impact assessment – the significance of the potential social impacts of the project will be assessed and evaluated using a likelihood/consequence framework • Impact mitigation/management and final report – the final step of the SIA is to develop social impact management strategies to avoid, minimise and manage any potential impacts.
Briefing Officer:	Annie Moody Team Leader, Community and Land
Date:	6 February 2014

Meeting Action Item Response

Reference:	120140212_NCCC
Subject:	Meeting Action Item Narrabri CCC
Request date:	December meeting
Requested by:	David Ross Chair Narrabri CCC
Background Request:	1. Will volatile organic compounds (VOCs) be measured as part of the air quality monitoring program?
Response:	Item 1 - Will volatile organic compounds (VOCs) be measured as part of the air quality monitoring program? <ul style="list-style-type: none"> • VOCs will be monitored when a production project commences. • The methane sampling program will continue throughout the exploration and appraisal program and the Narrabri Gas Project environmental assessment.
Briefing Officer:	Annie Moody Team Leader, Community and Land
Date:	12 February 2014

I ask these questions in light of the second presentation tonight.

Social Impact Assessment – component.

“In light of recent media reporting – namely the SMH of February 10, 2014, where the Queensland power generation company Stanwell is mothballing one of its Queensland CSG powered power stations and returning to coal.

They are also reported to be considering selling their contracted gas back to the CSG companies at higher prices to help these companies ensure that the Contractual Arrangement for overseas sale of CSG is met.”

Question: Will Energy Australia be considering such a move with its Contracted Gas Supplies and divert the gas that is meant for the supply of cheaper/greener electricity generation in NSW away to the more lucrative overseas market?

Or

Question: Will Energy Australia give a guarantee that all the CSG contracted for power generation in NSW from the NSW source be used exclusively for power generation in its NSW power stations for the life of the Narrabri Gas project no matter who may own that project, thus ensuring a cheaper and cleaner power supply to NSW?

I do not expect the presenter to answer these questions tonight; however, I do expect an answer, after all, these reasons given above is what Santos is basing its NSW operation on.

- ① When the Power Stations are 'on-line' what are the Nitrous oxide readings on ~~both~~ coal and Gas. (NSW STATIONS ONLY,
- ② Calorific Value of Coal & Gas.
Consumption of gas & Coal per kg Steam generated.
- ③ Gas Consumption of Boilers on Standby: - not generating Steam.
- ④ More information re HALEH in SA. - Type of unit
- How often tripped
etc.

Information Request Response

Reference:	020140206_NCCC
Subject:	Out of Session Information Request Items Narrabri CCC
Request date:	6 February 2014
Requested by:	Narrabri CCC member Victoria Hamilton through David Ross, Chair Narrabri CCC
Background Request:	<p>Email Request:</p> <ol style="list-style-type: none"> 1. Could you explain the difference between a trilateral well and a triple stack well? 2. How long does it usually take to drill a trilateral and a triple stack? 3. How many wells are proposed to be triple stacked drills in any part of the Narrabri Gas Project? 4. Why, how and what is used to seal the 'kick off points' on each triple stack drill in the one well? 5. What is the time frame for the next four drills in the current drilling in the Narrabri gas Project? 6. The "black and purple stripe" pipeline that is currently being laid and buried in the Pilliga, can you describe what it will be used for initially and long term?
Response:	<p>Item 1 – <i>Could you explain the difference between a trilateral well and a triple stack well?</i></p> <ul style="list-style-type: none"> • In standard oilfield nomenclature a trilateral could also be called a triple stack. • The triple stacked laterals have the laterals stacked on top of one another in different coal seams whereas in trilaterals the wells are drilled in the same seam.
	<p>Item 2 – <i>How long does it usually take to drill a trilateral and a triple stack?</i></p> <ul style="list-style-type: none"> • There are a number of variables that will influence the timing of the drill program. It may take up to 30 days on the sites within the current approved drilling program.
	<p>Item 3 – <i>How many wells are proposed to be triple stacked drills in any part of the Narrabri Gas Project?</i></p> <ul style="list-style-type: none"> • In the current approved drilling program, Santos has three triple stack wells planned. • It is too early to speculate on the drilling program for the Narrabri Gas Project as it is in the planning phase.

	<ul style="list-style-type: none"> The future drilling program is subject to an extensive planning, assessment and approval framework which will influence the drilling program.
	<p>Item 4 – Why, how and what is used to seal the ‘kick off points’ on each triple stack drill in the one well?</p> <ul style="list-style-type: none"> The laterals are kicked off from the 7” casing in the main bore by using a whipstock which consists of a packer set below a ramp which the mill travels down and out through the casing. The casing is drilled out with a set of mills which also mill through the cement in the annulus before the drilling assembly is run in-hole and used to complete the drilling of the lateral. The 7” x 8 ½” annulus is sealed with competent tail cement slurry with a high compressive strength. The casing is centralised with bow spring centralisers for integrity of bond between cement and casing and cement and formation. This prevents fluid migration up the annulus of the wellbore. There is also several hundred metres of cement above the whipstock setting depths.
	<p>Item 5 – What is the time frame for the next four drills in the current drilling in the Narrabri gas Project?</p> <ul style="list-style-type: none"> The drilling program for the Dewhurst 26 -29 wells is scheduled to be undertaken from February 2014 to April 2014. Time frames may change as schedules are dependent on a number of factors including weather.
	<p>Item 6 – The “black and purple stripe” pipeline that is currently being laid and buried in the Pilliga, can you describe what it will be used for initially and long term?</p> <ul style="list-style-type: none"> The black and purple strip poly pipe is a water flowline that will transfer produced water from the Dewhurst pilots to the Bibblewindi Facility. The southern flowline will connect Dewhurst 26 – 29 pilots to the Bibblewindi East Lateral gathering system from which existing water flowlines are connected to the Bibblewindi facility. The flowlines follow the route of the existing roads that run between the Dewhurst Pilots and Bibblewindi to minimise the amount of clearing required for installation of the pipelines. From Bibblewindi the produced water will then be transferred to the Leewood facility. These flowlines are for the movement of produced water and will continue to be utilised for that purpose in the long term whilst the pilot wells remain active.
Briefing Officer:	Annie Moody Team Leader, Community and Land
Date:	13 February 2014

SANTOS UPDATE – February 2014

Proposed upcoming work program – Narrabri Area

Time frames are indicative as schedules are dependent on factors such as approval times, weather and rig availability.

Decommissioning of wells:

- No plug and abandon activities planned for February

Workovers:

- There are no workover activities planned for February

Drilling of exploration core holes:

- There are no core hole activities planned for February

Pilot wells:

- Drilling of Dewhurst 23 lateral well will be completed in early February
- Drilling will commence for the Dewhurst 26 – 29 well sets

Other work:

- Construction of the Leewood water storage facility is progressing:
 - Produced water pond cell 1 liner installation continuing
 - Continue material conditioning in Produced Water Ponds 1 and 2
 - Continue trimming works of Brine Ponds 1 and 2 ahead of liner deployment
 - The upgrade to the Newell Highway and Old Mill Road intersection near Leewood has been completed.
- Construction work continues on the Bibblewindi facility upgrade
 - The 5 ML water tank and piping was hydrotested and tank is being service-tested with potable water
 - Rehabilitation of Bibblewindi pond 1 has been completed
- Construction of the flowline between Bibblewindi and Leewood was completed and hydrotesting was successfully completed. The pipeline is now transferring potable water for construction.
- Work continues on the installation of the Dewhurst flowlines.
- Summer ecological surveys have been completed as part of Santos' commitment to gathering baseline data on the local environment. Surveys will continue in coming months.
- The Tintsville pilot has been restarted for appraisal and the associated flare at the Wilga Park Power Station property has been commissioned.
- Work on upgrades to the Narrabri Operations Centre is underway.

- Remote monitoring equipment is being installed at aquifer monitoring bores in the Narrabri area with telemetry units being installed at Bohena 14, Nyora and Tullamullen
- The voluntary testing of neighbouring landholder's bores is continuing

Pilliga rehabilitation:

- Irrigation continues as part of the rehabilitation of the Bohena and Bibblewindi sites in the Pilliga.

Site visits:

- The next scheduled community site visit will take place on 20 February. If you are interested in attending or would like more information, please call Lesley Anderson on 6792 9035 or email lesley.anderson@santos.com

Community:

- Annie Alexander commenced maternity leave and Lesley Anderson is filling in until Annie's return in May.
- Santos has sponsored the Narrabri RSL \$5,000 to assist with the war memorial refurbishment.
- Santos have leased the vacant office adjacent to our Maitland Street shopfront to accommodate additional staff.