

Meeting Record

Project Name	Mid North Wind Farms	Meeting Date	2 July 2015
Meeting / Subject	Community Liaison Group	Recorded By	MO
	Meeting 18	Total Pages	9
Facilitator:	Georgina House (GH)	GH Planning	
Members:	Andrew Allchurch (AA)	Gilbert Group CFS and Waterloo Landowner	
	Amanda Redden (AR)	Economic Development Officer, Regional Development Australia Yorke and Mid North	
	Cindy Nolan (CN)	Clare	
	Colin Endean (CE)	ACF Climate Project, Transition Action Group	
	David Busch (DB)	Waterloo Landowner	
	David Clarke (DC)	Crystal Brook	
	Garry Fieldhouse (GF)	Gally's	
	Heidi Hodge (HH)	Black Springs Resident	
	Lis Jones Ingham (LJI)	Burra	
	Margaret Wayman (MW)	Saddleworth Resident	
	Patrick Williams (PJ)	Auburn Resident	
	Peter Wayman (PW)	Saddleworth Resident	
	Sally Fieldhouse (SF)	Gally's	
Guests and Observers:	Sue Wurst (SW)	Clare	
	Ian Falkenberg (IF)	Department Environment, Water and Natural Resources	
EnergyAustralia:	Mike Clee (MC)	SA Operations Manager, EA	
	Clint Purkiss (CP)	Project Development Manager, EA	
	Hannah Rantanen (HR)	Wind Farm Business Administrator	
	Steve Symons (SSy)	Pallisade and Northleaf Representative	
Apologies:	Hon Dan van Holst Pellekaan	Honourable Member for Stuart	
	Hon Geoff Brock	Honourable Member for Frome	
	Abby Walker-Schwartz (AWS)	Waterloo Resident	
	Anne Brown (AB)	Greening Australia	
	Chris Mosey (CM)	Waterloo Landowner	
	Glenn Christie (GC)	Seed collector and revegetation	
	Kelly-Anne Saffin (KAS)	Regional Development Australia Yorke and Mid North	
	Kerry Ward (KW)	Member NRM Group	
	Peter Edson (PE)	Burra Regional Tourism and Business Association	
	Pip Edson (PE1)	Burra Regional Art Gallery	
	Vincent Branson (VB)	Ngadjuri Walpa Juri Lands and Heritage Association Inc	
Minute Taker:	Marie Oatway (MO)	GH Planning	

Meeting Record

Item	Topic	Action By
1.	Welcome and Introductions – Georgina House	
1.1.	<p>Welcome</p> <ul style="list-style-type: none"> ● GH welcomed members and guests to the July 2015 CLG Meeting. ● GH gave a special welcome to new members to the CLG, including: <ul style="list-style-type: none"> ○ Margaret and Peter Wayman – Saddleworth Residents ○ Patrick Williams – Auburn Resident. ● GH invited new members to introduce themselves. ● GH also welcomed: <ul style="list-style-type: none"> ○ Hannah Rantanen from EA ○ Steve Symons representative from Pallisade Investment Partners and Northleaf Capital Partners (owners of Waterloo Wind Farm). 	
1.2.	<p>Apologies</p> <ul style="list-style-type: none"> ● Apologies received from: <ul style="list-style-type: none"> ○ Hon Geoff Brock ○ Hon Dan van Holst Pellekaan ○ Abby Walker-Schwartz ○ Chris Mosey ○ Kelly-Anne Saffin ○ Kerry Ward ○ Peter and Pip Edson ○ Glenn Christie ○ Anne Brown ○ Vincent Branson ● Apologies were noted. 	
1.3.	<p>Agenda and Housekeeping</p> <ul style="list-style-type: none"> ● GH referred to hand-outs – Agenda, Minutes, Media Release, Group Charter and 2015 CLG Meeting Calendar. ● GH outlined today's agenda, which includes: <ul style="list-style-type: none"> ○ Energy Market Presentation ○ Update on the RET (Renewable Energy Target) ○ Significant Environmental Benefits (SEB) Grant Update ○ Waterloo Wind Farm Community Fund Update ○ EnergyAustralia Projects Update ○ Other Business 	

Meeting Record

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2.	The Energy Market and Influencing Factors Made Simple – Clint Purkiss	
	<ul style="list-style-type: none"> ● CP presented to the group on the topic of The Energy Market and Influencing Factors – Made Simple. ● The Electricity Industry Structure is aimed at promoting competition where possible, and open access where it isn't. ● The electricity network has been developed to ensure generation sited near fuel sources can be transported to and shared across the load centres. ● Demand for stationary energy has been falling since 2008/09 - Annual demand (GWh) has been dropping, coincident with strong growth in renewable generation (wind and hydro). ● There are now over 1 million Australian homes with solar pv, contributing the equivalent energy as one Yallourn unit at Yallourn Power Station. ● Energy markets play an integral role in meeting customer demands and maximising profit for EnergyAustralia. ● For the customer, the energy markets costs make up just over a third of the total bill (other key components of an electricity bill include retail and network costs). ● The demand profile for energy varies through the day, determined by weather, time of day, season - which can vary significantly across the year. ● A forward market exists to enable participants to hedge this volatility ● Different power stations sell different products to generate revenue (eg Yallourn Power Station sells fixed price energy via a 'swap' product and Hallett Peaker Plant sells insurance against >\$300 prices via a 'cap' product) <p>Discussion</p> <ul style="list-style-type: none"> ● SSy – As investors (Pallisade and Northleaf) in windfarms the certainty of revenue streams is important to us. Most investors don't like volatility of revenue streams, therefore when we produce energy we write a contract with the generator to ensure certainty of revenue. ● CE – How often does the Hallett Peaker Plant come into production? ● MC – With the market being highly generated, it would run anywhere between 1-2% of the year, it is totally market driven. eg Hallett would start up in hot water peak. Last year there were about 58 runs where it was needed to cover peak demand. Note – peak times do not only occur in times of hot weather. ● DB – What length of time would you typically run the Hallett Peaker Plant? ● MC – Hallett is 206MW – can go from 0 – 206MW in 12 minutes. The shortest run period might be a couple of hours and the longest up to 17 hours. ● DB – How does the gas market work? ● MC – Same as the electricity market. ● DB – What return are you looking at from Waterloo? ● SSy -Return varies on project to project and the risks associated as well as to some extent the competitive bid, you may accept lower return because you want the asset. It is hard to give a ball park, risks v rewards. You may take a lower return for an asset in operation, compared to one with construction risks and other risk elements. 	

Meeting Record

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3.	Update on Renewable Energy Target (RET) Federal Policy Debate – Clint Purkiss	
	<ul style="list-style-type: none"> ● Australia's Renewable Energy Target (RET) is a Federal Government policy designed to ensure that at least 20 per cent of Australia's electricity comes from renewable sources by 2020. ● The Australian Federal Government has just passed legislation on a revised RET. ● The Large-scale RET has been reduced from 41 TWh (terawatt-hours) to 33 TWh in 2020 with interim and post-2020 targets adjusted accordingly. ● The Clean Energy Regulator will provide an annual statement to Parliament on how the scheme is tracking towards the 2020 target, and any impact the RET is having on electricity prices. ● The 2 year review period, legislated previously has also been removed. ● The electricity used in the prescribed emissions-intensive trade-exposed activities will be fully exempt from liability under the scheme. ● The Renewable Energy Target includes biomass as an eligible form of renewable energy generation. This allows waste that would otherwise be burnt or rot on the floor of the forest to generate power. <p>Discussion</p> <ul style="list-style-type: none"> ● DC – Would the permitted projects including Ceres be enough to meet the revised target? ● CP – Yes, the key is who owns the potential projects. There are enough projects in planning or consented to reach that target but not all the projects are financially viable some may be too far from the grid, not have enough wind resource, etc. The decision on the RET has added a level of certainty into the market but has not solved the over-supply issue – so no single cure, but investors now have a higher degree of confidence. ● SSy – More likely to see wind farm built in Victoria or New South Wales rather than South Australia, due to factors like negative pricing, and supply and demand. ● CE – The bio mass burning – who is going to start building them? ● CP – Can't imagine too many being built. Some of the logging companies may install a boiler to deal with this waste and put it in the grid, most likely would be in Tasmania. ● DB – Is bio mass being used to produce energy? ● CP – Absolutely, Byron Bay, sugar industry on the Queensland coast, there are a few – not a massive amount as they are more expensive. ● AR – How will Leigh Creek closing down affect the energy market? ● CP – Hardly at all but will monitor. Most at risk are the black coal mines, 5 or 6 projects have slipped out of the market so far. ● DC – As far as the RET goes does nuclear energy come under that? ● CP – No, not a renewable source under current guidelines. 	

Meeting Record

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4.	Significant Environmental Benefits (SEB) Grant Update– Ian Falkenberg, Department Environment, Water and Natural Resources	
	<ul style="list-style-type: none"> ● Ian Falkenberg from DEWNR provided an update on the SEB funded Project occurring in the region known as the Kapunda to Burra Landscape Project. Greening Australia. ● The project, is the first stage of a larger program that aims to restore the condition, habitat value and connectivity within and between a series of prominent north-south running ranges between Burra and Kapunda. ● A key outcome is to improve the condition and connectivity within and between patches of priority vegetation in the Kapunda to Burra landscape region, including connecting ridges and valleys. ● The objectives include: <ul style="list-style-type: none"> ○ Improving the condition and connectivity within and between patches of priority vegetation in the Kapunda to Burra landscape region ○ Integrating combination of revegetation, weed and pest control and changes to grazing management practices ○ Increasing community awareness and providing education ○ Monitoring and Mapping - Identifying, evaluating and mapping the condition of significant Remnant Vegetation. ● At this stage around 26 landowners are involved and another 9 are interested. ● IF thanked Ann Brown and Sam Everingham who have worked tirelessly to get landowners involved. Hopefully by 2016 another 20 landowners will be involved. ● Good connectivity at Worlds End, Porter Lagoon and Tothill Ranges, and would be good to now get a few other connections between properties. ● Achievements so far include: <ul style="list-style-type: none"> ○ 100% of target of identifying landowners has been met ○ 40% of site action plans have been achieved ○ No draft management plans have been signed as yet ○ Bush conditioning monitoring – 20 out of 25 sites have been completed ○ No revegetation has taken place to date but seed has been collected and propagation will be undertaken by Greening Australia ready to plant out in coming year ○ No pest plant and feral animal control has been done this year, need landowners to be fully engaged first ○ Herb seed bank – 50% completed ○ Grazing change management – 80% completed. ● Planning for next year –draft proposal has been put forward for next year’s funding. Approximately \$120,000 in addition to the money carried over from this year. ● All good news but again re-emphasised the hard work done by Ann Brown, without her there wouldn’t be a project. <p>Discussion</p> <ul style="list-style-type: none"> ● LJI – Is the project written up on the Greening Australia website? ● IF – No, not really a website to look up. A gap that can be considered though. ● LJI – Once completed, will the landscape look any different? ● IF – May not look all that different, some additional vegetation, but a lot of grassland so 	

Meeting Record

Item	Topic	Action By
	<p>may not see big changes visually, however expect positive biodiversity conservation outcomes as well as positive land management and primary production outcomes over a 5 to 10 year period.</p> <ul style="list-style-type: none"> ● LJI – Is it a big decision for landowners to sign up? ● IF – Yes, but some real benefits to landowners as funds go into fencing, pest plant control work, and over time looking for agricultural production improvements. ● HH – How frequently are they going to do the bush conditions monitoring? Is there anything in place to measure changes in community opinion on the project? ● IF – Not to my knowledge, but worth considering ways we could measure changes in community opinion. ● GH – Communication and broader community awareness raising would be good, eg through a website – could assist landowners and the broader community better understand the project and project benefits. ● IF – We have taken a lower profile given working with individual landowners at this stage. ● DB – What are the major costs, where is the money going? ● IF – Includes contractual work of Greening Australia who are undertaking landowner engagement – talking to landowners, running workshops, understanding what landowners see as their priorities, and where they see the project going over time, and developing plans with landowners to address landowner needs and wants over-time. Also around \$15,000 on pest plant and feral animal control, and other costs include fencing, seed collection, and vehicles and expertise to do that. 	
5.	Waterloo Wind Farm Initiatives and Community Fund Update – Mike Clee	
	<ul style="list-style-type: none"> ● MC provided an update on recent initiatives and the Waterloo Wind Farm Community Fund - 2015. <p>Port Adelaide Football Club</p> <ul style="list-style-type: none"> ● As a business in the Mid North, we are committed to supporting the local community through various community grants and programs. ● Last Tuesday 23rd June the Port Adelaide Football Club Captain Travis Boak, and Jasper Pittard visited the Mid North area. ● The program included a visit to Clare High School to discuss positive decision making followed by a skills clinic held at the Manoora Oval with Manoora & Saddleworth primary schools attending. ● Having stars of the team like Travis and Jasper share their tips and skills is a fantastic way that we can inspire our local kids to lead active lives and make healthy lifestyle choices. ● PJ – When you talk about the local community how far does this stretch? ● MC – It is not tied to distance – but sometimes we talk of the local community being within a radius of 50km. <p>Waterloo Wind Farm Community Fund - 2015</p> <ul style="list-style-type: none"> ● The Waterloo Wind Farm Community Fund has been set up by EnergyAustralia to support grassroots initiatives that will provide lasting benefits to the local community. ● The Fund is committed to supporting projects that aim to: <ul style="list-style-type: none"> ○ Build community pride 	

Meeting Record

Item	Topic	Action By
	<ul style="list-style-type: none"> ○ Benefit the environment ○ Support the local economy. ● These themes were identified by the CLG as key priorities for the region. ● The Fund is all about helping local people to implement local initiatives that best meet the needs of the community. ● Applications for the Waterloo Wind Farm Community Fund, closed 12th June, with \$20,000 worth of grants available to support projects that will significantly benefit the region. ● EnergyAustralia were delighted with the response to the Community Fund, with 21 applications received. ● A short list of applications were reviewed prior to this meeting by the CLG sub-committee comprising of CLG members and EA staff. ● The final decision will be made and public announcement around the end of July. ● 21 applications totalling \$116,000 were received. Special thanks to Heidi, Sue, Cindy, Andrew, Abby and Hannah for reading all the applications and forming the sub-committee. Applications were received from Brinkworth to Eudunda and a mix of new projects and revised applications from last time. 	
6.	Overview of EnergyAustralia Mid North Wind Farm Projects – Mike Clee and Clint Purkiss	
6.1	<p>Waterloo Wind Farm Update</p> <ul style="list-style-type: none"> ● MC provided an update on Waterloo Wind Farm. ● In terms of Waterloo Wind Farm Generation - favourable wind conditions during May resulted in a capacity factor of 33% (target 27.2%) and a new monthly record Net Generation of 26.88GWh (target 22.14GWh). However, we have generally experienced lower than predicted winds during the above period. ● Financial Year to Date Net Energy Production is tracking at -5.56 % against plan. ● On the 21st April 2015, A circuit (7 WTG's) tripped due a fault on the Main Feeder Cable. The Root Cause Analysis Report stated that the joint failed as there was a very high impedance in each of the phases, causing a high level of power dissipation which resulted in the temperature in the joint to rise well above the maximum design level. This caused a degradation of the insulation material in the joint body, resulting in a cable joint failure. ● The failed cable joint was replaced with the new style Trifurcation joint. (9 day outage). ● Annual Accreditation and Regulatory Compliance External Audits have been completed ready for submission with ESCOSA by the end of July. ● The High Voltage Outage (testing of transformers, circuit breakers, capacitor banks etc) lasting 7 Days has been completed in a safe manner, with no near miss or Incidents reported. <p>Discussion</p> <ul style="list-style-type: none"> ● DC – Is that the first year that you have been under? ● MC – Since I have been I believe it is. Less favourable wind conditions have generally been the case across Australia. It is not related to unavailability of units. 	

Meeting Record

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6.2	<p>Proposed Waterloo 2 Wind Farm Update</p> <ul style="list-style-type: none"> ● SSy – Provided an overview of the investment of Pallisade and Northleaf in the Waterloo Wind Farm. <ul style="list-style-type: none"> ○ In 2011 EA sold down a 75% interest in the Waterloo Wind Farm to Pallisade and North Leaf. Pallisade is an Australian based investment entity (investing money on behalf of super funds). Northleaf are a similar Canadian based entity. ○ In April 2015 EA sold down the remaining 25% interest, including Waterloo 2 (refer to media announcement circulated in mid-March). ○ From a day to day perspective nothing changes, EA remains the manager of the farm, only ownership has changed. ○ SSy is researching the economic viability of the Waterloo 2 project (a six turbine development). Is it financially viable for investors, what is the risk/reward? Part way through that process, doing various work engaging with Council, ElectraNet (cost to connect into the grid), and Vestas (in terms of turbine design). There are still a number of boxes to tick to make an investment decision. 	
6.3	<p>Proposed Stony Gap Wind Farm Update</p> <ul style="list-style-type: none"> ● CP provided an update on Stony Gap. ● No changes to status – very strong site from a wind energy perspective, it involves a 35 turbine development south of Burra, it has planning approval and a 5 year permit to build. ● DB – What is the wind difference between Waterloo and Stoney Gap? ● CP – Quite a bit of difference. Stony Gap has fabulously strong wind conditions. Average well over 9 metres per sec, from a global perspective this is about as good as it gets. The consistency of the wind is similar to Waterloo Wind Farm. 	
7.	<p>Review Minutes of Previous Meeting – Georgina House</p>	
	<ul style="list-style-type: none"> ● Actions arising from the minutes of the CLG Meeting held on 19 March 2015: ● Page 3 – Item 2 – GH to circulate revised Group Charter. Actioned. ● Page 3 – Item 3 – Members and observers feedback on community opinion since last meeting. Ongoing action. ● Page 3 – Item 3 – EA to look at opportunities to meet with both local Councils. Ongoing action. ● Page 5 – Item 4.2 – CP to monitor RET and provide update. Actioned. ● Page 6/7 – Item 5 – Community Fund - EA to send short-listed applications to sub-committee for review. Sub-committee to meet and provide direction to EA. Actioned. ● Page 7 – Item 6 – Energy Market Presentation carried over to July Meeting. Actioned. ● Page 8 – Item 7 – MC to discuss SEB with Anne Brown. Actioned. ● Page 8 – Item 7 – GH to circulate CLG Meeting Calendar for 2015. Actioned. ● Page 8 – Item 7 – CLG to note change to Georgina’s contact details. Actioned. <p>Acceptance of Minutes</p> <ul style="list-style-type: none"> ● GH asked if there were any comments or questions regarding the minutes. ● No comments were raised by the members. ● Members accepted the 19 March 2015 Minutes as a true representation of the meeting. 	<p>Members and observers to monitor community opinion and feedback at CLG meetings</p>

Meeting Record

Item	Topic	Action By
8.	Other Business – Georgina House	
	<ul style="list-style-type: none"> CE – Would like the CLG to discuss community ownership of wind farms and what some of the opportunities might be. 	GH to investigate this topic further.
9.	Next Meeting and Close –Georgina House	
	<ul style="list-style-type: none"> Next CLG Meeting – Thursday 17 September 2015 – 4.30pm to 6.30pm at Gally's, Farrell Flat. Hoping to book Professor Michael Bull, Flinders University to update us on the Pygmy Bluetongue Lizard Research Project at the September meeting. Members confirmed this as a key topic of interest. December meeting – we are looking at holding this meeting at Waterloo Wind Farm and offering a wind farm tour prior to the meeting for those interested. Topics for the meeting include looking at how windfarms are constructed and operated. GH thanked all for their attendance. Minutes of this meeting will be distributed shortly for members to review. One week will be provided for members to review draft minutes and provide any feedback to Georgina House. Once finalised, the minutes will be placed on the EnergyAustralia Website and circulated to other key stakeholders. <p style="text-align: center;">Meeting Closed</p>	GH and CP to check availability of Professor Michael Bull for the September CLG Meeting

Attachments include:

- Nil.

Georgina House Contact Details:

Georgina@ghplanning.com.au Mobile: 0414 454 105

Postal Address: Georgina House, GH Planning Pty Ltd, PO Box 264, Findon SA 5023.