

Project Name	Waterloo Wind Farm	Meeting Date	14 June 2016
Meeting / Subject	Community Liaison Group	Recorded By	МО
	Meeting 22	Total Pages	8

Facilitator:	Georgina House (GH)	GH Planning
Members:	Abby Walker-Schwartz (AWS)	Waterloo Resident
	Angela Ruddenklau (ARu)	Economic Development Officer, Regional Development Australia Yorke and Mid North
	Brenda Sugars (BS)	Saddleworth Resident
	Lis Jones Inman (LJI)	Burra Resident
	David Clarke (DC)	Crystal Brook Resident
	Garry Fieldhouse (GF)	Gally's
	Kerry Ward (KW)	Member NRM Group
	Margaret Wayman (MW)	Saddleworth Resident
	Peter Wayman (PW)	Saddleworth Resident
	Sally Fieldhouse (SF)	Gally's
	Sue Wurst (SW)	Clare Resident
	Trevor White (TW)	Planning Consultant and PhD Student
Guests	Andy Sharp (AS)	Landscape Program Co-ordinator, DEWNR
EnergyAustralia/ Palisade	Lindsay Ward (LW)	CEO, Palisade Asset Management
	Steve Brown (SB)	GM, Renewables, Palisade
	Clint Purkiss (CP)	Project Development Manager, Palisade
	Sarah Stent (SS)	Communications Adviser, Palisade
	Mike Clee (MC)	SA Operations Manager, EA
	Lyndon Frearson (LF)	Project Director, WWF2
	Hannah Willson (HW)	Waterloo Farm Business Administrator, EA
	Giles Rinckes (GR)	Vestas
Apologies	Hon Dan van Holst Pellekaan	Honourable Member for Stuart
	Hon Geoff Brock	Honourable Member for Frome
	Andrew Allchurch (AA)	Gilbert Group CFS and Waterloo Landowner
	Colin Endean (CE)	ACF Climate Project, Transition Action Group
	David Busch (DB)	Waterloo Landowner
	Heidi Hodge (HH)	Black Springs Resident
	John Sugars(JS)	Saddleworth Resident
	Denni Russel (DR)	Dept. OF Environment, Water, Natural Resources (DEWNR)
	Pat Williams (PW)	Auburn Resident
	Amanda Redden (AR)	Economic Development Officer, Regional Development Australia Yorke and Mid North
	Peter Edson (PE)	Burra Resident



	Pip Edson (PEd)	Burra Resident
Minute Taker	Marie Oatway (MO)	GH Planning

Item	Topic	Action By
1.	Welcome and Apologies – Georgina House	
1.1.	Welcome GH welcomed members and guests to the June 2016 CLG Meeting. GH gave a special welcome to Lindsay Ward, CEO of Palisade Asset Management and Steve Brown, General Manager of Palisade Renewables. Apologies Apologies	
	 Apologies received from: Hon Geoff Brock Hon Dan van Holst Pellekaan Denni Russel Amanda Redden Colin Endean John Sugars Peter Edson Pip Edson Andrew Allchurch David Busch Pat Williams Heidi Hodge 	
1.3.	 Agenda and Housekeeping GH outlined today's agenda, which includes: A presentation by Andy Sharp, DEWNR A presentation from Lindsay Ward on Palisade's long term view for Waterloo Project updates from Mike Clee and Clint Purkiss Waterloo Wind Farm Community Fund update Other Business 	
2.	Review Minutes of Previous Meeting – Georgina House	
	 There were several actions arising from the previous minutes (10th March 2016) which have all been actioned, they included. GH invited Natalie from the Burra Visitor Information Centre to join the CLG. GH circulated the CLG Community fund advertisement to all members. GH organised the sub-committee for community fund. GH circulated Trevor White's presentation to all members. GH invited AWS or other stakeholder to talk about the Lavender Trail at a future meeting. Minutes of the 10th March 2016 CLG Meeting were accepted as a true representation of the meeting. 	
3.	NRM Community Action Plans – Andy Sharp, DEWNR	
	 Andy Sharp, Landscape Program Co-ordinator, DEWNR presented to the group on the background and priorities of the NRM Community Action Plans for the Northern & Yorke NRM Board. The Northern & Yorke NRM Board contracted the DEWNR to do the work. The Board has been in place for 2 years so the focus has been to get the NRM Plan in place. There is 1 NRM Plan and under that sit 7 Community Action Plans (3 soil, 3 biodiversity and 1 water). Under that sit the 8 landscape statements. 	



Item	Topic	Action By
	 There are 3 large regions under the Northern & Yorke NRM Board, the Yorke Peninsula, Southern Flinders Ranges and the Mid North Agricultural District. Yorke Peninsula and Flinders Ranges have their logo, branding and partnerships in place and the Mid North Agricultural District is the third to follow. 	
	 The Community Action Plans (CAP) are use an International Open Standards methodology, and this has been adapted to enable water, soil and conservation planning. It is real-time planning using adaptive software and it is the first region to use this approach to community action planning. 	
	 The CAP process includes identifying the assets, assessing the condition of the assets, assessing any threats to the assets and the root cause of the threats, looking at the context of the problem, developing strategies, review of strategies, development of goals, and obtaining of funding. 	
	 Community action planning brings the community into the planning process. By introducing the community you gain local knowledge, local ownership, understanding of priorities, and champions in the community. 	CIL to airculate
	 The Mid North and Rangelands Landscape Plan is in draft form and will be available soon. AS will provide to GH when available. 	GH to circulate Mid North and Rangelands
	 A key project is the Burra to Kapunda Project: Funding of \$286,500 has been awarded over two years and additional work is planned. The focus is on revegetation including whole of paddock restoration, and weed and pest management, and the project will achieve landscape permeability. Another key project is the African Rue project. 	Landscape Plan to CLG when available.
	 Hopefully this process provides a way forward where community have a say on what happens. Climate change scenarios are currently being overlaid onto the CAP's – this has shifted the priorities. 	
	LW – What is the African Rue?	
	AS – A weed.	
	LW – What sort of budget do you have, do you have good funding from Government?	
	AS – Internally we have no money, we have to apply for funding. We have biodiversity fund from when Labour was in power that is just coming to an end now. We are looking to industry to support this work. When the money does flow again we will have all the projects ready to go.	
	GH – The work Anne Brown is doing (the Burra to Kapunda Project), originally started through the Native Vegetation Offset Fund sourced through developments; has there been many large developments contribute to this fund in recent times?	
	AS – There has been. Burra-Kapunda is a 10 – 20 year project.	
	AWS – African Rue weed, I have never heard of it?	
	AS – It is mainly found in the YackaMoorundie Range, the green army team are targeting it.	
	SF – The Burra to Kapunda Project – how is the paddock restoration uptake going?	
	AS – I'm not really sure, you will need to talk to the project manager, Anne Brown.	
	SF – I assume you are planting native perennial species, how are you going to monitor that on the ground?	
	AS – Greening Australia have developed a monitoring program.	
	SF – The plans come out in a fortnight are they in hard copy?	
	AS – No, all digitally.	



tem	Topic							
	Palisade Long	Term View	for Waterl	oo – Lindsay V	Vard			
	There are two	o primary o	wners of Wa	aterloo Windfar	ms, Palisade	and North Le	af.	
	 Palisade is a infrastructure 	fund mana such as ai	ger for Aust		nuation funds s, gas pipelir	- they invest les, defence h	in ousing,	
	 North Leaf is Australian ar 	a Canadia	n based fun	_				
	 Palisade/Nor operate and 			, Energy Austra infrastructure.	lia are the M	anagers, and	Vestas	
	 Palisade find manage the 			vest, new asset stors.	s come on bo	oard, and then	Palisade	
	 Waterloo is a this is a long 		-	achieving good alisade/Northlea		-	nty that	
	AWS – Do Palis	ade contrib	oute to the c	ommunity gran	scheme?			
	LW – Yes, Palis	ade make i	money avail	able for EA to o	listribute for t	he community	grant.	
	DC – Do Palisa	de have an	y other inter	est in windfarm	s in SA?			
	LW – We have picked by CFC							
	GH commented	on the con	nmunity fund	d and said the f	und has beei	n appreciated	by the	
	CLG and comm	unity gener	ally.					
	Overview of Mi	d North W	ind Farm P	rojects – Clint	Purkiss/Mik	e Clee		
_	Waterloo Wind	Farm Upd	ate – Mike	Clee				
	 MC provided 	an undate	on Waterloo	n Wind Farm				
	_	•		n wind generation	on Year to Da	ate (refer table	helow)	
	ino procent	ou materio	, , , , , , , , , , , , , , , , , , ,	. Willa golloratio	711 Tour to 20	210 (10101 10210	20.011).	
		WTG*	WTG	WTG	WTG	Capacity	Capacity	
	2015 / 2016	Actual	Target	Actual Wind	Wind Speed	Factor Actual	Factor Forecast	
		(GWh)	(GWh)	Speed (m/s)	Target (m/s)	(Average %)	(Average %)
	July	33.4	32.3	9.4	9.8	41.1	39.7	
	August	27.9 25.7	31.9 25.7	8.2	9.7 9.7	34.3 32.5	39.2	
	September October	25.6	25.6	8.0 8.2	9.0	31.3	39.4 33.9	
	November	19.9	26.1	7.4	8.8	24.9	32.6	
	December	25.1	25.9	8.3	8.6	30.4	31.4	
	January	24.0	22.4	7.8	7.8	29.0	27.1	
	February	18.9	20.8	7.4	8.1	24.5	27.9	
	March	14.3	23.1	6.3	8.1	17.3	28.0	
	April	19.7	23.8	7.5	8.4	24.7	29.8	
	May	38.0	39.5	10.7	7.9	46.1	27.2	
	June							
	 Wind speeds good month 		lower than	predicted wind	speeds. May	vwas a particu	ılarly	
		8%, part of		was an operation	onal problem	as the windfa	rm had to	
	On the 10th l	May, 'A' cird	cuit (7 WTG	's) tripped due to being replaced		-		
			-	me section. Loc	-			



Item	Topic	Action By
	approval to close the road for trenching works. We ensured that any closure did not hinder access to land owners property.	
	 Last week we carried out a 3 day total outage to allow proactive testing works on the Main Transformer High Voltage cables within the substation. 	
	 All works were performed with no safety/environment issues. 	
	SW – When is traditionally the windy time?	
	MC – It is normally July/August so hopefully we will make some of our targets up.	
5.2	Stony Gap Update - Mike Clee	
	 MC provided an update on the Stony Gap Wind Farm Project. 	
	 Stony Gap still represents the most cost effective, large scale renewable energy development option currently available to EnergyAustralia (and arguably in the NEM based on indicative cost modelling). 	
	 With an agreed RET target, and more political certainty in achieving carbon emissions reduction, the development of Stony Gap remains a key focus for EnergyAustralia throughout 2016. 	
	 We have agreed terms on a key land option extension, we have also refreshed the Connection Options Analysis, and we in the process of getting updated EPC quotes (Engineer Procure Construct). 	
	GH – MC and I will continue to monitor progress with EA.	
5.3	Waterloo Extension Update (Waterloo Wind Farm Stage 2) - Clint Purkiss	
	Project Specifics	
	 CP provided an update on the Waterloo Extension Project. 	
	 The Waterloo Extension includes 6 new turbines to be located immediately south of existing Waterloo Wind Farm. 	
	 In early March work started and construction will take about 8 months. 	
	Work completed to date	
	 A lot has happened since March. Work to date has included: 	
	 Establishment of construction site including temporary site facilities and entry 	
	 Earthworks for construction compound, access tracks, hardstands, foundations, erosion control measures & drainage 	
	 Construction of foundation and concrete pouring complete in preparation for turbine deliveries 	
	 Underground cabling across Steelton Road to connect Stage 2 to Stage 1 array 	
	 Modifications to cabling at WLWF1. We have replaced the cable all the way back to the substation, which will reduce cable joint failure. 	
	 There have been no lost time injuries and the project is running to schedule despite some wet weather / high winds. 	
	Transportation	
	 Management of transportation has been critical given volume of vehicle movements: Approx 500 concrete truck deliveries 	
	 400 semi trailers - construction water 	
	o 6 semi trailers - reinforcement steel	
	o 400 trailers - road base	
	 10 low loader trucks - delivery & demobilisation of earthmoving equipment. 	
	 In addition to speed & road access limits, plan has included: Road condition assessments 	



Topic	Action By
Driver safety education	
 SMS Alert service for residents 	
 School bus time – special conditions 	
 Dust mitigation – watering. 	
 The foundation pouring is an intensive activity on road traffic, relies on weather conditions and happy to report that all 6 foundations are all in the ground. We were able to source much of the aggregate from the local Waterloo Quarry and the quarry employed additional staff to accommodate requirements. 	
SW – Was it dusty?	
CP – We got water cart out on the local roads an hour before the traffic to supress dust, and the water cart was in operation for the six days that transport from the quarry took place to ensure dust was supressed.	
AWS – Whereabouts did the water come from?	
Giles – Our subcontractor has a contract with SA Water.	
 One incident report – near miss – vehicle leaving quarry failed to give way to oncoming traffic. Investigated, reported and highlighted as inappropriate standard for WLWF and community. 	
Met Masts	
 In March, WLWF applied for a temporary met mast to be included onsite to validate wind speed information. Met masts collect meteorological data to confirm wind turbines operating as per design parameters. Clare & Gilbert Valleys Council approved noting this would be a "relatively minor structure that posed no significant risks to birds or other fauna nearby". Met mast will be temporary - only likely to remain in place for a maximum of 18mths. After the required data has been collected, the mast will be removed & site rehabilitated to its original state. 	
Protection of local flora & fauna on the site a key deliverable:	
 Areas of Peppermint Box fenced off at a 20m buffer zones. Bird monitoring program in place as required by Native Vegetation Council once operating. Induction training for CFS & joint planning for fire protection has been undertaken. Erosion control & revegetation to mitigate sediment, run off & dust. Site visit by EPBC to assess protection measures. Micro siting of one hardstand a result to ensure protection measures of Peppermint Box upheld. Payment of over \$22,000 to the Native Vegetation Council made to contribute to revegetation of the local area using indigenous species. Outcome: Stage 2 site likely to be as good if not better environmentally than before we started this project. 	
Community Engagement	
Community engagement ongoing – main channel remains the CLG.	
SMS update to advise on traffic movements & changes to road access.	
 Further Project Update issued April – via Saddleworth PO – fire caused disruption to deliveries. 	
Replacement letter re-issued.	
 In discussions with Lavender Trail designer to consider option for route to traverse a section of the wind farm – views from the ridge. 	
Website regularly updated.	
National Wind Farm Commissioner	



m	Topic					
	 Mar-June: WLWF – 1 further noise complaint. All other contact enquiries only. 					
	 Mar – contacted by National Wind Farm Commissioner, federally funded role to facilitate better complaint resolution & investigation. 					
	Number of WLWF complaints received by NWFC office.					
	 Outcome: WLWF investigating 8 complaints – mostly noise related. Where appropriate, has included site visits to meet residents & develop full understanding of issues. 					
	 Findings to be provided to residents & NWFC before investigations are closed. 					
	Large Item Delivery					
	 Key milestone of construction project. Safety will be paramount. Starts late June - runs over July and into early August. Managed by Vestas. Performed by Rex Andrews. Tower deliveries first, components to follow. Origin point: Towers - Keppel Prince VIC, Blades - Germany Nacelles & Hubs – Denmark. Arrival – construction site Waterloo Stage 2. Temporary laydown area to receive items onsite. Cranes onsite from July to begin assembly of towers, then Nacelles than blades. Transport Route and Safety Delivery will follow approved, permitted routes notified previously. Delivery times will be daytime only. These routes considered safest & best access from previous use. No bridges, overheads or other obstacles. Approved by Clare Gilbert Valleys Council, Dept. of Transport and SA Police. Large transport will be escorted at all times and observe speed limits. No road closures necessary as roads used suitable for industrial use. Road conditions/dilapidation will be monitored prior to and during the transportation. Wear and tear on local roads negligible given sophisticated suspension of transport 					
	veal and teal on local roads negligible given sophisticated suspension of transport vehicles.					
	Transportation communications					
	Notification of planned transportation will be via:					
	 Advertising in local papers approx. 1 week prior. SMS Alert System. Signage in immediate area of site warning of construction traffic and over-dimensional loads. 					
	TAKE ACTION:					
	✓ Register for SMS Alert if not already done so					
	✓ Be mindful of large transportation using local roads					
	✓ Drive to the prevailing road conditions & maintain safe distance					
	✓ Contact us – 0408 547 869 – to report issues or concerns					
	DC – When it comes to decommissioning, do you leave the foundations in place?					
	CP – Yes, we level the area, rehabilitate and decommission in accordance with the development approval.					
	DC – Are the towers trucked all the way?					
	CP – Yes they are trucked all the way. First delivery is expected on the 23 rd June and they come in 4 sections, base section first.					



Item	Topic	Action By			
	DC – Is the decision to have the towers manufactured in Australia a financial one?				
	CP – It was more about our environmental social governance – we manage Australian superannuation funds, we could have purchased the towers cheaper overseas but proud to offer the contract to an Australian company. Other technology needed to come from overseas. Blades, narcelles and hubs due in Port Adelaide on the 15 th July.				
6.	Waterloo Wind Farm Community Fund 2016				
	Applications closed on the 23 rd May 2016.	GH to inform the			
	 17 applications were received totalling approximately \$80,000 and we have a total of \$30,000 to allocate to successful applications. 	CLG of successful			
	 The CLG Sub-committee will meet on Wednesday, 15th June 2016. The sub-committee will prioritise applications and provide their direction to EA. 	applications.			
	Successful applicants are expected to be announced in early July.				
7.	Other Business – Georgina House				
	The Lavender Trail Project				
	 AWS and SS spoke briefly on the Lavender Trail Project. An existing walking trail runs between Murray Bridge and Eudunda, then on to Webb's Gap and Clare. The trail group are looking to see if it might be possible for the trail to go up along the ridge line of the wind turbines at Waterloo. Palisade need to see whether it is logistically possible. 				
	 The CLG welcomed hearing further updates on the project. 				
8.	Next Meeting and Close –Georgina House				
	Next CLG Meeting – Tuesday, 13th September 2016 – 4.30pm to 6.30pm at Gally's				
	GH thanked all for their attendance.				
	 Minutes of this meeting will be distributed to all for 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 Waterloo Wind Farm Website and circulated to other key stakeholders. 				
	Meeting Closed				

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Attachments:

Nil.