

Meeting Record

Project Name	Waterloo Wind Farm	Meeting Date	3 July 2018
Meeting / Subject	Community Liaison Group	Recorded By	MO
	Meeting 29	Total Pages	8

Facilitator:	Georgina House (GH)	GH Planning
Members:	Garry Fieldhouse (GF)	Gally's, Farrell Flat
	Sally Fieldhouse (SF)	Gally's, Farrell Flat
	Heidi Hodge (HH)	Farrell Flat Resident
	Chloe Hodge(CH)	Farrell Flat Resident
	Sue Wurst (SW)	Clare Resident
	John Browne (JB)	Marrabel Committee District Association and Marrabel Rodeo Club
	Glenn Christie (GC)	Seed Collector and Revegetation
	Bonnie Maynard (BM)	Project Officer, Yorke and Mid North, Primary Industries and Regions SA
	Lis Jones Ingman (LJI)	Burra Resident
	Colin Endean (CE)	ACF Climate Project, Transition Action Group
	Pat Williams (PW)	Auburn Resident
	Trevor White (TW)	Planning Consultant and PhD Student
	David Clarke (DC)	Armagh Resident
	Geoff Rowett (GR)	Marrabel Committee District Association and Marrabel Rodeo Club
Guests:	Fiona Barr (FB)	Development Assessment Manager, Regional Council of Goyder
Palisade Asset Management:	Hannah Willson (HW)	Operations Manager – SA
	Steve Brown (SB)	GM, Renewables
	Gyorgyi Danka (GD)	Asset Engineer, Renewables
Apologies:	David Stevenson (DS)	CEO, Regional Council of Goyder
	Hon Geoff Brock	Honourable Member for Frome
	Hon Dan Van Holst Pellekaan	Honourable Member for Stuart
	David Busch	Waterloo Resident
	Angela Ruddenklau (ARU)	Project Officer, Yorke and Mid North, Primary Industries and Regions SA
	Abby Walker-Schwartz (AWS)	Waterloo Resident
	Lynn Wallace (LW)	Economic Development Officer, Mid North Region, Regional Development Australia Yorke and Mid North
	Margaret Wayman (MW)	Saddleworth Resident
	Peter Wayman (PW)	Saddleworth Resident
Minute Taker:	Marie Oatway (MO)	GH Planning

Meeting Record

Item	Topic	Action By																								
1.	Welcome and Introductions– Georgina House																									
1.1	Welcome <ul style="list-style-type: none">GH welcomed members and guests to the July 2018 CLG Meeting.GH welcomed Fiona Barr, Development Assessment Manager at Goyder Regional Council.																									
1.2	Apologies <ul style="list-style-type: none">Apologies were noted.																									
1.3	Agenda and Housekeeping <ul style="list-style-type: none">GH outlined today’s agenda, which included:<ul style="list-style-type: none">Presentation on Wind Diary Insights by Gyorgyi DankaPresentation on Wind Farm Community Funds by David Clarke.																									
2.	Review Minutes of the Previous Meeting – Georgina House																									
	<ul style="list-style-type: none">GH reported that there were 4 actions from the previous minutes. They were:<ul style="list-style-type: none">Save the date for the Community Fund presentation - invites went out and event was held.Gyorgyi to come back and talk more on the wind diary – on agenda of today’s meeting.Flinders Uni sleep study – GH and HW haven’t heard any more on that but will continue to monitor.GH has contacted Denni Russell, Acting Team Leader, Lower Mid North District, Department for Environment and Water (DEW) to organise an update on the Burra to Kapunda Landscape Project, a Natural Resources, Northern and Yorke project, at a future CLG meeting. A presentation is likely to be organised for one of our next two meetings.GH asked members if they were happy that the minutes were a true reflection of the meeting.Minutes of the 8 March 2018 CLG Meeting were accepted as a true representation.																									
3.	Overview of Mid North Wind Farm Projects - Hannah Willson/Gyorgyi Danka																									
	Clint Purkiss <ul style="list-style-type: none">HW advised the group that Clint Purkiss has resigned from Palisade but staying in the renewable energy industry.CLG members expressed their thanks to Clint for his time and effort reporting to and assisting with the running of the CLG since its inception in late 2011 until 2018. His professional and personable qualities have been greatly appreciated and everyone wishes him well in his future pursuits. Waterloo Wind Farm – Gyorgyi Danka <ul style="list-style-type: none">GD reported on wind production at Waterloo Wind Farm over the past 4 months.<table><tr><td></td><td>Mar 2017</td><td>Apr 2018</td><td>May 2018</td><td>Jun 2018</td><td>Financial Year End</td></tr><tr><td>Production (MWh)</td><td>31,863</td><td>27,770</td><td>34,259</td><td>31,339</td><td>397,996</td></tr><tr><td>Wind Speed (m/s)</td><td>7.91</td><td>8.01</td><td>8.01</td><td>7.75</td><td>8.22</td></tr><tr><td>Capacity Factor (%)</td><td>32.74</td><td>29.49</td><td>35.20</td><td>33.28</td><td>34.69</td></tr></table>FY18 ended 4.3% above the YTD budget.		Mar 2017	Apr 2018	May 2018	Jun 2018	Financial Year End	Production (MWh)	31,863	27,770	34,259	31,339	397,996	Wind Speed (m/s)	7.91	8.01	8.01	7.75	8.22	Capacity Factor (%)	32.74	29.49	35.20	33.28	34.69	
	Mar 2017	Apr 2018	May 2018	Jun 2018	Financial Year End																					
Production (MWh)	31,863	27,770	34,259	31,339	397,996																					
Wind Speed (m/s)	7.91	8.01	8.01	7.75	8.22																					
Capacity Factor (%)	32.74	29.49	35.20	33.28	34.69																					


Meeting Record

Item	Topic	Action By
	<ul style="list-style-type: none"> The turbines in Stage 2 had slightly lower wind speed than Stage 1 turbines, however the Stage 2 infrastructure is more effective and therefore strong wind production was still achieved. GD reported on the busy four months in terms of Waterloo Wind Farm operations. <ul style="list-style-type: none"> March <ul style="list-style-type: none"> WTG BD RMU offline due to fault and subsequent replacement. Site communications outage – firewall outage. April <ul style="list-style-type: none"> HV outage whole of site disconnected and works undertaken. Site communication outage unknown fault at the time. WTG-BE bearing failure. May <ul style="list-style-type: none"> WTG-EC - Foundation uncovered and testing concrete completed (preventative measure). Water ingress work grouting of spalled concrete. June <ul style="list-style-type: none"> Civil works – reshaping of earth around turbine foundations. <p>GR – What is the lifespan of the windfarm?</p> <p>GD – Stage 1 was designed for a lifespan of 20 years but obviously you want to work the wind farm as long as possible. We may undertake a life assessment in the next year or so. This will look at environmental factors in which the wind farm has operated to date and the expected remaining life of infrastructure. We may operate longer than the anticipated design life.</p> <p>Stony Gap Wind Farm Development – Hannah Willson</p> <ul style="list-style-type: none"> Palisade has received an extension to the Stony Gap Development Plan Consent until 4 May 2020. Palisade is committed to the Stony Gap Project; it remains one of the best wind resources in Australia. There is a strong commitment to get this off the ground, and we are working hard to turn some earth before that date comes around. Securing a PPA (Power Purchase Agreement) is one of the biggest issues. We have commenced a formal process to find a partner/developer/investor. Expressions of Interests have been sought and there are some quality investment partner opportunities. Over the next 2-3 months Palisade will consider further. <p>CE – How does the National Energy Guarantee relate here? What is the effect on the market?</p> <p>HW – I can't answer that, but perhaps this is a topic for a future CLG meeting.</p> <p>DC – I think the important fact is the coal power stations are nearing the end of their life.</p> <p>SA – NSW Interconnector – Hannah Willson</p> <ul style="list-style-type: none"> On 29 June ElectraNet released a Project Assessment Draft Report (PADR) which has identified that a new 330 kV interconnector between mid-north South Australia and Wagga Wagga in New South Wales, via Buronga, is expected to deliver the highest net market benefits. HW referenced an ElectraNet Fact Sheet which states: <p><i>“Interconnection between SA and NSW will deliver the following benefits:</i></p> <ul style="list-style-type: none"> <i>Independent modelling by ACIL Allen estimates that annual residential customer bills would reduce by up to about \$30 in South Australia and about \$20 in New South Wales</i> <i>Enabling greater integration of renewables in the NEM across both states.</i> <i>Enhancing security of electricity supply, including management of inertia, frequency response and system strength in South Australia.”</i> <p>HW – I think this project could stimulate PPA agreements.</p> <p>GH – This project was mooted more than 10 years ago.</p> <p>HH – I would be interested in knowing what has changed now that has made this more viable?</p> <p>GH – Could this project be a catalyst for Stony Gap?</p>	<p>National Energy Guarantee a potential future topic for CLG</p> <p>GH to attach ElectrNet Fact Sheet to Minutes</p> <p>SA – NSW Interconnector a potential future topic for CLG</p>

Meeting Record

Item	Topic	Action By																																																							
	GH – It would appear that the CLG might be interested in hearing more about SA – NSW Interconnector proposal at a future date.																																																								
4.	Waterloo Wind Farm Community Grants Program Update – Hannah Willson																																																								
4.1	<div><ul style="list-style-type: none">The 2018 Waterloo Wind Farm Grants Program has been finalised and the recipients have been presented their funds at a Presentation Ceremony attended by local MP Geoff Brock and Waterloo Wind Farm Board Members on Tuesday 1 May 2018.</div> <div></div> <div><ul style="list-style-type: none">The Community Grant presentation was well attended.SW – it was a lovely afternoon and those that attended really showed their appreciation to the Community Grants program.There were 26 applicants with 9 projects being supported. The successful recipients are listed in the table below.</div> <div>2018 Waterloo Wind Farm Grants Recipients – received \$30,061</div> <table><tr><th>Rated</th><th>Groups</th><th>Project</th><th>Requested</th><th>Allocated</th></tr><tr><td>1</td><td>Clare Men's Shed</td><td>Clean Air</td><td>\$ 5,311.00</td><td>\$ 5,311.00</td></tr><tr><td>2</td><td>Eudunda Robertstown Netball Club</td><td>Robertstown Court Upgrade</td><td>\$ 5,000.00</td><td>\$ 5,000.00</td></tr><tr><td>3</td><td>Farrell Flat Management Committee</td><td>Duncan Park Beautification</td><td>\$ 4,000.00</td><td>\$ 4,000.00</td></tr><tr><td>4</td><td>Saddleworth Recreation Ground Committee</td><td>Improvement to Pavilion</td><td>\$ 4,000.00</td><td>\$ 4,000.00</td></tr><tr><td>5</td><td>Manoora Centenary Park Committee</td><td>Upgrade Security System</td><td>\$ 4,950.00</td><td>\$ 4,950.00</td></tr><tr><td>6</td><td>Richardson Park Inc</td><td>Carpark Safety at Madonna Hall</td><td>\$ 3,000.00</td><td>\$2,000.00</td></tr><tr><td>7</td><td>Burra Regional Art Gallery</td><td>Volunteer Workshop for youth</td><td>\$ 1,000.00</td><td>\$ 1,000.00</td></tr><tr><td>8</td><td>Grosset Wines</td><td>Auburn Weigh Bridge Restoration</td><td>\$ 5,000.00</td><td>\$ 2,500.00</td></tr><tr><td>9</td><td>Rhynie Improvement Scheme</td><td>Tennis Club Rhynie Est Circa 1902</td><td>\$ 1,500.00</td><td>\$ 1,300.00</td></tr><tr><td colspan="4"></td><td>\$30,061.00</td></tr></table> <div><ul style="list-style-type: none">In addition to the \$30,000 community grants awarded above, Waterloo Wind Farm supported the "Shock Your Community" initiative and donated an additional \$25,000</div>	Rated	Groups	Project	Requested	Allocated	1	Clare Men's Shed	Clean Air	\$ 5,311.00	\$ 5,311.00	2	Eudunda Robertstown Netball Club	Robertstown Court Upgrade	\$ 5,000.00	\$ 5,000.00	3	Farrell Flat Management Committee	Duncan Park Beautification	\$ 4,000.00	\$ 4,000.00	4	Saddleworth Recreation Ground Committee	Improvement to Pavilion	\$ 4,000.00	\$ 4,000.00	5	Manoora Centenary Park Committee	Upgrade Security System	\$ 4,950.00	\$ 4,950.00	6	Richardson Park Inc	Carpark Safety at Madonna Hall	\$ 3,000.00	\$2,000.00	7	Burra Regional Art Gallery	Volunteer Workshop for youth	\$ 1,000.00	\$ 1,000.00	8	Grosset Wines	Auburn Weigh Bridge Restoration	\$ 5,000.00	\$ 2,500.00	9	Rhynie Improvement Scheme	Tennis Club Rhynie Est Circa 1902	\$ 1,500.00	\$ 1,300.00					\$30,061.00	
Rated	Groups	Project	Requested	Allocated																																																					
1	Clare Men's Shed	Clean Air	\$ 5,311.00	\$ 5,311.00																																																					
2	Eudunda Robertstown Netball Club	Robertstown Court Upgrade	\$ 5,000.00	\$ 5,000.00																																																					
3	Farrell Flat Management Committee	Duncan Park Beautification	\$ 4,000.00	\$ 4,000.00																																																					
4	Saddleworth Recreation Ground Committee	Improvement to Pavilion	\$ 4,000.00	\$ 4,000.00																																																					
5	Manoora Centenary Park Committee	Upgrade Security System	\$ 4,950.00	\$ 4,950.00																																																					
6	Richardson Park Inc	Carpark Safety at Madonna Hall	\$ 3,000.00	\$2,000.00																																																					
7	Burra Regional Art Gallery	Volunteer Workshop for youth	\$ 1,000.00	\$ 1,000.00																																																					
8	Grosset Wines	Auburn Weigh Bridge Restoration	\$ 5,000.00	\$ 2,500.00																																																					
9	Rhynie Improvement Scheme	Tennis Club Rhynie Est Circa 1902	\$ 1,500.00	\$ 1,300.00																																																					
				\$30,061.00																																																					

Meeting Record

Item	Topic	Action By																								
	<p>to supply 11 defib machines for the local community. The successful recipients are listed in the table below.</p> <p>Waterloo Wind Farm “Shock Your Community” defib Recipients – received \$25,000</p> <table><tr><th>Groups</th><th>Project</th></tr><tr><td>Riverton Community Hall</td><td>Riverton Community Hall</td></tr><tr><td>Clare Valley Model Engineers</td><td>Melrose Park - Clare</td></tr><tr><td>Watervale Community Association</td><td>Watervale Oval</td></tr><tr><td>Waterloo District War Memorial Ass</td><td>Waterloo Hall</td></tr><tr><td>Hilltown Tennis Club</td><td>Hilltown Hall & Tennis Courts</td></tr><tr><td>Gilbert Valley CWA</td><td>Saddleworth Institute</td></tr><tr><td>Robertstown & District Community Management</td><td>Robertstown & District Community Centre</td></tr><tr><td>Clare Sports Facility Management Committee</td><td>Clare Sports Courts, Oval & Playground</td></tr><tr><td>The Clare Valley Flying Group</td><td>Clare Valley Aerodrome</td></tr><tr><td>Clare Bowling Club</td><td>Clare Bowling Club</td></tr><tr><td>Marrabel Rodeo Club</td><td>Marrabel Rodeo Grounds</td></tr></table> <ul style="list-style-type: none">As part of the “Shock your Community” initiative these groups:<ul style="list-style-type: none">Receive an Automatic External Defibrillator (AED) external cabinet and signageReceive training from two SA Ambulance Service (SAAS) officers and an advanced life support trainerAre required to register their AED with SAASAre provided with information and support for maintenance. <div></div> <ul style="list-style-type: none">HW and other SAAS volunteer are volunteering their time to run training sessions at all the successful applicants. <p>DC – How many units were in the district before?</p>	Groups	Project	Riverton Community Hall	Riverton Community Hall	Clare Valley Model Engineers	Melrose Park - Clare	Watervale Community Association	Watervale Oval	Waterloo District War Memorial Ass	Waterloo Hall	Hilltown Tennis Club	Hilltown Hall & Tennis Courts	Gilbert Valley CWA	Saddleworth Institute	Robertstown & District Community Management	Robertstown & District Community Centre	Clare Sports Facility Management Committee	Clare Sports Courts, Oval & Playground	The Clare Valley Flying Group	Clare Valley Aerodrome	Clare Bowling Club	Clare Bowling Club	Marrabel Rodeo Club	Marrabel Rodeo Grounds	
Groups	Project																									
Riverton Community Hall	Riverton Community Hall																									
Clare Valley Model Engineers	Melrose Park - Clare																									
Watervale Community Association	Watervale Oval																									
Waterloo District War Memorial Ass	Waterloo Hall																									
Hilltown Tennis Club	Hilltown Hall & Tennis Courts																									
Gilbert Valley CWA	Saddleworth Institute																									
Robertstown & District Community Management	Robertstown & District Community Centre																									
Clare Sports Facility Management Committee	Clare Sports Courts, Oval & Playground																									
The Clare Valley Flying Group	Clare Valley Aerodrome																									
Clare Bowling Club	Clare Bowling Club																									
Marrabel Rodeo Club	Marrabel Rodeo Grounds																									

Meeting Record

Item	Topic	Action By
	<p>HW – We weren't sure because they weren't registered with SA Ambulance. Part of this was that they are all registered so that if people phone SA Ambulance they can direct them to where the closest unit is.</p> <p>CE – So where did this initiative come from?</p> <p>HW – I am a volunteer SA Ambulance officer and recently a defib machine that was donated as part of last year's WWF Community Grants money to Saddleworth Bowling Club was used to save the life of a 49 year old that went into cardiac arrest.</p> <p>LJI – What sort of renewal does it need once it has been used?</p> <p>HW – Just replace the pads.</p>	
4.2	<p>Other community involvement projects – Hannah Willson</p> <ul style="list-style-type: none"> HW mentioned several other community involvement initiatives that WWF is involved in. <ul style="list-style-type: none"> Refresh of the Waterloo Township information boards. Waterloo Wind Farm – Battle of the Birds – A1 netball game 21st July at Riverton Netball courts. School Visits (2 groups of Year 9's from Scotch College toured the Windfarm (total of 130 students); Henley High School Year 12 physics students; and Balaklava Primary School year 3 and 4 classes. 	
5.	<p>Research into Wind Farm Community Funding – David Clarke</p>	
	<ul style="list-style-type: none"> Community funding is only one of the ways that wind farms benefit the communities in which they are built. In addition there are: <ul style="list-style-type: none"> Jobs (many during construction and a few long term) Work for local contractors such as earth movers and carriers, business for service providers such as cafes and hotels The substantial leasing payments to the turbine-hosting land-owners. The fact that renewable energy displaces fossil fuel powered electricity leading to reduction in carbon emissions and consequently slowing climate change and ocean acidification is, of course, a benefit to everyone on Earth. My own research is summarised on my main Wind Farms in Australia Net page. In April this year the Australian Wind Alliance (AWA) produced a report titled "Building Stronger Communities: Wind's growing role in regional Australia". This moved me to write a Net page summarising the data in the AWA report in terms of community funding related to wind farm size. It seems that the amount of annual community funding provided by wind farmers varies from \$7000 per installed megawatt down to nothing, with a median somewhere around \$400 per megawatt. It should be noted that the operators of wind farms either directly or indirectly make payments to local councils, this is very much 'community funding' too, but it is not usually identified as such. So, while the community funding that we see coming from wind farms such as Waterloo is the most visible to us, the funding that goes on 'behind the scenes' is much greater. The AWA report listed the amount of community funding provided by 35 of Australia's wind farms (refer tables below). By far the biggest providers of funding in relation to wind farm size were two community owned wind farms: <ul style="list-style-type: none"> Leonards Hill at Daylesford in Victoria, and Denmark on the south coast of WA; And the town supply renewable power supply at Coober Pedy (which includes solar power). 	

Meeting Record

Item	Topic	Action By																																																																																																																																																																																																																																				
	<table><tr><th colspan="6">Table 1 Community enhancement funds provided by wind farm operators</th></tr><tr><th>Name</th><th>State</th><th>Installed capacity MW</th><th>Annual funding</th><th>Funding in thousands of \$/MW/yr</th><th>Owner/operator</th></tr><tr><td>Leonards Hill</td><td>Vic</td><td>4.1</td><td>\$30,000</td><td>\$7,320</td><td>Community</td></tr><tr><td>Cooper Pedy</td><td>SA</td><td>4</td><td>\$25,000</td><td>\$6,250</td><td>Energy Developments</td></tr><tr><td>Denmark</td><td>WA</td><td>2</td><td>\$10,000</td><td>\$6,250</td><td>Community</td></tr><tr><td>Codrington</td><td>Vic</td><td>18.2</td><td>\$52,000</td><td>\$2,857</td><td>Pacific Hydro</td></tr><tr><td>Boco Rock</td><td>NSW</td><td>113</td><td>\$167,500</td><td>\$1,482</td><td>CWP Renewables/EGCO</td></tr><tr><td>Mount Emerald</td><td>Qld</td><td>180.5</td><td>\$200,000</td><td>\$1,108</td><td>Ratch Australia Corp. and Port Bajool Pty Ltd</td></tr><tr><td>Cullerin Range</td><td>NSW</td><td>30</td><td>\$32,000</td><td>\$1,067</td><td>Duet subsidiary Energy Developments</td></tr><tr><td>White Rock</td><td>NSW</td><td>175</td><td>\$175,000</td><td>\$1000</td><td>Goldwind</td></tr><tr><td>Gunning</td><td>NSW</td><td>46.5</td><td>\$46,000</td><td>\$989</td><td>Acciona</td></tr><tr><td>Yaloak South</td><td>Vic</td><td>28.7</td><td>\$28,000</td><td>\$976</td><td>Pacific Hydro</td></tr><tr><td>Clements Gap</td><td>SA</td><td>56.7</td><td>\$55,000</td><td>\$970</td><td>Pacific Hydro</td></tr><tr><td>Oaklands Hill</td><td>Vic</td><td>63</td><td>\$53,000</td><td>\$841</td><td>WindLab/Challenger Life</td></tr><tr><td>Gullen Range</td><td>NSW</td><td>165.5</td><td>\$138,000</td><td>\$834</td><td>Goldwind</td></tr><tr><td>Challicum Hills</td><td>Vic</td><td>52.5</td><td>\$42,000</td><td>\$800</td><td>Pacific Hydro</td></tr><tr><td>Salt Creek</td><td>Vic</td><td>54</td><td>\$40,000</td><td>\$741</td><td>Tilt Renewables</td></tr><tr><td>Sapphire</td><td>NSW</td><td>270</td><td>\$187,500</td><td>\$694</td><td>CWP Renewables</td></tr></table> <table><tr><th>Name</th><th>State</th><th>Installed capacity</th><th>Annual funding</th><th>Thousands of \$/MW/yr</th><th>Operator</th></tr><tr><td>Kiata</td><td>Vic</td><td>31.5</td><td>\$20,000</td><td>\$635</td><td>WindLab</td></tr><tr><td>Bodangora</td><td>NSW</td><td>113.2</td><td>\$65,500</td><td>\$579</td><td>Infigen</td></tr><tr><td>Mortons Lane</td><td>Vic</td><td>19.5</td><td>\$10,000</td><td>\$513</td><td>CGN Wind Energy</td></tr><tr><td>Collgar</td><td>WA</td><td>206.5</td><td>\$100,000</td><td>\$484</td><td>WindLab/Invest. bank UBS/Retail Employees Super. Trust</td></tr><tr><td>Waubra</td><td>Vic</td><td>192</td><td>\$88,000</td><td>\$458</td><td>Acciona</td></tr><tr><td>Hornsdale</td><td>SA</td><td>315</td><td>\$120,000</td><td>\$381</td><td>Neoen</td></tr><tr><td>Portland</td><td>Vic</td><td>216</td><td>\$81,500</td><td>\$377</td><td>Pacific Hydro</td></tr><tr><td>Ararat</td><td>Vic</td><td>240</td><td>\$65,000</td><td>\$271</td><td>Renewable Energy Systems</td></tr><tr><td>Waterloo</td><td>SA</td><td>111</td><td>\$30,000</td><td>\$270</td><td>Palisades (\$55,000 was given in 2018)</td></tr><tr><td>Bald Hills</td><td>Vic</td><td>107</td><td>\$25,000</td><td>\$235</td><td>Mitsui and Co.</td></tr><tr><td>Bungendore and Woodlawn</td><td>NSW</td><td>182.7</td><td>\$42,000</td><td>\$230</td><td>Infigen</td></tr><tr><td>Wattle Point</td><td>SA</td><td>90.75</td><td>\$15,000</td><td>\$165</td><td>Energy Infrastructure Trust/AGL</td></tr><tr><td>Macarthur</td><td>Vic</td><td>420</td><td>\$64,000</td><td>\$152</td><td>H.R.L. Morrison and Co./Malakoff</td></tr><tr><td>Walkaway</td><td>WA</td><td>89.1</td><td>\$13,000</td><td>\$146</td><td>Alinta/AGL</td></tr><tr><td>Hallett Group</td><td>SA</td><td>350.7</td><td>\$51,000</td><td>\$145</td><td>AGL (more information below)</td></tr><tr><td>Snowtown</td><td>SA</td><td>370.8</td><td>\$50,000</td><td>\$135</td><td>Tilt Renewables</td></tr><tr><td>Lake Bonney</td><td>SA</td><td>278.5</td><td>\$24,000</td><td>\$86</td><td>Infigen</td></tr><tr><td>Silverton</td><td>NSW</td><td>200</td><td>\$15,000</td><td>\$75</td><td>AGL (CEF not yet fully developed)</td></tr><tr><td>Coopers Gap</td><td>Qld</td><td>453</td><td>\$30,000</td><td>\$66</td><td>AGL/WindLab (CEF not yet fully developed)</td></tr></table>	Table 1 Community enhancement funds provided by wind farm operators						Name	State	Installed capacity MW	Annual funding	Funding in thousands of \$/MW/yr	Owner/operator	Leonards Hill	Vic	4.1	\$30,000	\$7,320	Community	Cooper Pedy	SA	4	\$25,000	\$6,250	Energy Developments	Denmark	WA	2	\$10,000	\$6,250	Community	Codrington	Vic	18.2	\$52,000	\$2,857	Pacific Hydro	Boco Rock	NSW	113	\$167,500	\$1,482	CWP Renewables/EGCO	Mount Emerald	Qld	180.5	\$200,000	\$1,108	Ratch Australia Corp. and Port Bajool Pty Ltd	Cullerin Range	NSW	30	\$32,000	\$1,067	Duet subsidiary Energy Developments	White Rock	NSW	175	\$175,000	\$1000	Goldwind	Gunning	NSW	46.5	\$46,000	\$989	Acciona	Yaloak South	Vic	28.7	\$28,000	\$976	Pacific Hydro	Clements Gap	SA	56.7	\$55,000	\$970	Pacific Hydro	Oaklands Hill	Vic	63	\$53,000	\$841	WindLab/Challenger Life	Gullen Range	NSW	165.5	\$138,000	\$834	Goldwind	Challicum Hills	Vic	52.5	\$42,000	\$800	Pacific Hydro	Salt Creek	Vic	54	\$40,000	\$741	Tilt Renewables	Sapphire	NSW	270	\$187,500	\$694	CWP Renewables	Name	State	Installed capacity	Annual funding	Thousands of \$/MW/yr	Operator	Kiata	Vic	31.5	\$20,000	\$635	WindLab	Bodangora	NSW	113.2	\$65,500	\$579	Infigen	Mortons Lane	Vic	19.5	\$10,000	\$513	CGN Wind Energy	Collgar	WA	206.5	\$100,000	\$484	WindLab/Invest. bank UBS/Retail Employees Super. Trust	Waubra	Vic	192	\$88,000	\$458	Acciona	Hornsdale	SA	315	\$120,000	\$381	Neoen	Portland	Vic	216	\$81,500	\$377	Pacific Hydro	Ararat	Vic	240	\$65,000	\$271	Renewable Energy Systems	Waterloo	SA	111	\$30,000	\$270	Palisades (\$55,000 was given in 2018)	Bald Hills	Vic	107	\$25,000	\$235	Mitsui and Co.	Bungendore and Woodlawn	NSW	182.7	\$42,000	\$230	Infigen	Wattle Point	SA	90.75	\$15,000	\$165	Energy Infrastructure Trust/AGL	Macarthur	Vic	420	\$64,000	\$152	H.R.L. Morrison and Co./Malakoff	Walkaway	WA	89.1	\$13,000	\$146	Alinta/AGL	Hallett Group	SA	350.7	\$51,000	\$145	AGL (more information below)	Snowtown	SA	370.8	\$50,000	\$135	Tilt Renewables	Lake Bonney	SA	278.5	\$24,000	\$86	Infigen	Silverton	NSW	200	\$15,000	\$75	AGL (CEF not yet fully developed)	Coopers Gap	Qld	453	\$30,000	\$66	AGL/WindLab (CEF not yet fully developed)	
Table 1 Community enhancement funds provided by wind farm operators																																																																																																																																																																																																																																						
Name	State	Installed capacity MW	Annual funding	Funding in thousands of \$/MW/yr	Owner/operator																																																																																																																																																																																																																																	
Leonards Hill	Vic	4.1	\$30,000	\$7,320	Community																																																																																																																																																																																																																																	
Cooper Pedy	SA	4	\$25,000	\$6,250	Energy Developments																																																																																																																																																																																																																																	
Denmark	WA	2	\$10,000	\$6,250	Community																																																																																																																																																																																																																																	
Codrington	Vic	18.2	\$52,000	\$2,857	Pacific Hydro																																																																																																																																																																																																																																	
Boco Rock	NSW	113	\$167,500	\$1,482	CWP Renewables/EGCO																																																																																																																																																																																																																																	
Mount Emerald	Qld	180.5	\$200,000	\$1,108	Ratch Australia Corp. and Port Bajool Pty Ltd																																																																																																																																																																																																																																	
Cullerin Range	NSW	30	\$32,000	\$1,067	Duet subsidiary Energy Developments																																																																																																																																																																																																																																	
White Rock	NSW	175	\$175,000	\$1000	Goldwind																																																																																																																																																																																																																																	
Gunning	NSW	46.5	\$46,000	\$989	Acciona																																																																																																																																																																																																																																	
Yaloak South	Vic	28.7	\$28,000	\$976	Pacific Hydro																																																																																																																																																																																																																																	
Clements Gap	SA	56.7	\$55,000	\$970	Pacific Hydro																																																																																																																																																																																																																																	
Oaklands Hill	Vic	63	\$53,000	\$841	WindLab/Challenger Life																																																																																																																																																																																																																																	
Gullen Range	NSW	165.5	\$138,000	\$834	Goldwind																																																																																																																																																																																																																																	
Challicum Hills	Vic	52.5	\$42,000	\$800	Pacific Hydro																																																																																																																																																																																																																																	
Salt Creek	Vic	54	\$40,000	\$741	Tilt Renewables																																																																																																																																																																																																																																	
Sapphire	NSW	270	\$187,500	\$694	CWP Renewables																																																																																																																																																																																																																																	
Name	State	Installed capacity	Annual funding	Thousands of \$/MW/yr	Operator																																																																																																																																																																																																																																	
Kiata	Vic	31.5	\$20,000	\$635	WindLab																																																																																																																																																																																																																																	
Bodangora	NSW	113.2	\$65,500	\$579	Infigen																																																																																																																																																																																																																																	
Mortons Lane	Vic	19.5	\$10,000	\$513	CGN Wind Energy																																																																																																																																																																																																																																	
Collgar	WA	206.5	\$100,000	\$484	WindLab/Invest. bank UBS/Retail Employees Super. Trust																																																																																																																																																																																																																																	
Waubra	Vic	192	\$88,000	\$458	Acciona																																																																																																																																																																																																																																	
Hornsdale	SA	315	\$120,000	\$381	Neoen																																																																																																																																																																																																																																	
Portland	Vic	216	\$81,500	\$377	Pacific Hydro																																																																																																																																																																																																																																	
Ararat	Vic	240	\$65,000	\$271	Renewable Energy Systems																																																																																																																																																																																																																																	
Waterloo	SA	111	\$30,000	\$270	Palisades (\$55,000 was given in 2018)																																																																																																																																																																																																																																	
Bald Hills	Vic	107	\$25,000	\$235	Mitsui and Co.																																																																																																																																																																																																																																	
Bungendore and Woodlawn	NSW	182.7	\$42,000	\$230	Infigen																																																																																																																																																																																																																																	
Wattle Point	SA	90.75	\$15,000	\$165	Energy Infrastructure Trust/AGL																																																																																																																																																																																																																																	
Macarthur	Vic	420	\$64,000	\$152	H.R.L. Morrison and Co./Malakoff																																																																																																																																																																																																																																	
Walkaway	WA	89.1	\$13,000	\$146	Alinta/AGL																																																																																																																																																																																																																																	
Hallett Group	SA	350.7	\$51,000	\$145	AGL (more information below)																																																																																																																																																																																																																																	
Snowtown	SA	370.8	\$50,000	\$135	Tilt Renewables																																																																																																																																																																																																																																	
Lake Bonney	SA	278.5	\$24,000	\$86	Infigen																																																																																																																																																																																																																																	
Silverton	NSW	200	\$15,000	\$75	AGL (CEF not yet fully developed)																																																																																																																																																																																																																																	
Coopers Gap	Qld	453	\$30,000	\$66	AGL/WindLab (CEF not yet fully developed)																																																																																																																																																																																																																																	
	<table><tr><th colspan="2">Table 2 Larger wind farms with unknown community enhancement funds, or none at all</th></tr><tr><td>NSW</td><td>Taralga</td></tr><tr><td>SA</td><td>Canunda, Cathedral Rocks, Mount Millar, Starfish Hill</td></tr><tr><td>Tas</td><td>Musselroe, Woolnorth</td></tr><tr><td>Vic</td><td>Mount Gellibrand, Mount Mercer, Toora</td></tr><tr><td>WA</td><td>Albany, Mumbida</td></tr></table>	Table 2 Larger wind farms with unknown community enhancement funds, or none at all		NSW	Taralga	SA	Canunda, Cathedral Rocks, Mount Millar, Starfish Hill	Tas	Musselroe, Woolnorth	Vic	Mount Gellibrand, Mount Mercer, Toora	WA	Albany, Mumbida																																																																																																																																																																																																																									
Table 2 Larger wind farms with unknown community enhancement funds, or none at all																																																																																																																																																																																																																																						
NSW	Taralga																																																																																																																																																																																																																																					
SA	Canunda, Cathedral Rocks, Mount Millar, Starfish Hill																																																																																																																																																																																																																																					
Tas	Musselroe, Woolnorth																																																																																																																																																																																																																																					
Vic	Mount Gellibrand, Mount Mercer, Toora																																																																																																																																																																																																																																					
WA	Albany, Mumbida																																																																																																																																																																																																																																					

Meeting Record

Item	Topic	Action By
	<ul style="list-style-type: none"> I'm inclined to think that there should be a mandated minimum level of community funding, perhaps around \$500/MW per year. So far as I know, solar farms don't generally supply community funding, although this is not something that I've looked into at any depth. If wind farmers provide funding to the hosting community, why should solar farmers not do likewise? <p>URLs that may be of interest DC's original research, mostly from around 2014: ramblingsdc.net/Australia/WindPower.html#Community_funding Australian Wind Alliance (AWA), Building Stronger Communities: Wind's growing role in regional Australia: https://d3n8a8pro7vhmx.cloudfront.net/vicwind/pages/1482/attachments/original/1523831528/AWA_2018_Wind_Energy_Building_Stronger_Communities_Report.pdf DC's reinterpretation of the AWA report: ramblingsdc.net/Australia/windcf.html Another URL David thought CLG members might like is the one he mentioned for NEM Watch: https://reneweconomy.com.au/nem-watch/</p>	
6.	Waterloo Wind Farm – Further Insights into the Wind Diary – Gyorgyi Danka	
	<ul style="list-style-type: none"> GD gave a follow-up presentation on wind records at WWF since commencement in 2010. The presentation looked at wind speed, wind distribution and wind direction. GD looked into the data to see if there was any relationship with El Nino and La Nina events, but none was found. GD indicated she would be happy to explore 'live' data at the next CLG meeting, DC – will there be less constraint when they put the interconnector through? 	GD to bring up 'live data' at next meeting
7.	Other Business	
	<ul style="list-style-type: none"> The main discussion under "Other Business" related to potential future topics, including: <ul style="list-style-type: none"> Stony Gap progress National Energy Guarantee – Steve Brown volunteered to present SA – NSW Interconnector Project by ElectraNet 	
8.	Next meeting and Close	
	<ul style="list-style-type: none"> Next Meeting – The next meeting is likely to be in September/October 2018, on a Tuesday afternoon, 4.30-6.30pm at Gally's. GH will liaise with Palisade, nominate a meeting date and inform CLG members asap. <p>Meeting Closed</p>	GH to advise CLG of next meeting in Sept/Oct 2018

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.

Attachment:

ElectraNet Fact Sheet: SA Energy Transformation referring to the SA – NSW Interconnector Project.