

APPENDIX 1 SCOPING WORKSHEET







Environmental Impact Statement (EIS) scoping worksheet for: Valley of the Winds						hh					Date: May-20			
What matters might be impacted?			What activities might cause an impact?	What are the character			<u>le characte</u>	eristics of the impact?		How will the impact be managed?	What are the community and other stakeholder views?	What level of assessment and engagement	is required in the EIS preparation phase?	
Social and environmental matters I.e. natural or human assets or values aggregated at the level most appropriate for informing management and assessment requirements Click on the matter for a description, or the link above for full glossary		Without any mitigation, is the proposal likely to impact on the matter? (Select from list)	If there is a 'likely' impact: 1. list the activities expected to cause the impact; and 2. if applicable, list the receptor being impacted and its status. E.g. construction noise will be heard at nearby school If 'unlikely', briefly explain why. Has the impact been actively avoided through project design or site location? (Manual entry)	Is the impact, without mitigation, expected to cause a material effect with regard to its (Answer 'Y', 'N' or '?') Click on characteristic for description, or the link above for further detail			al effect) scription, r detail	Does the impact need assessment in the EIS?	Is the impact, without mitigation, expected to have a material cumulative effect with other impacts (including from other projects)? (Select from list)	What safeguards and management measures are expected to be required to address the impact? (Select from list)	Are there community or other stakeholder concerns regarding the impact or activity? (Based on engagement with community and other stakeholders) (Select from list)	Expected level of assessment and/or engagement required (Auto fills)	Relevant section in Scoping Report (Manual entry)	
	acoustic	Likely	Construction activities may cause noise disruptions to nearby residents, host property owners and residents along major transportation routes from heavy vehicles and on-site construction mobilisation e.g. earth works	Y	Y	N	Y	Yes	Yes	Project Specific	Yes	Key Issue + CIA + Focussed Engagement	Noise assessment	
	acoustic	Likely	Operational noise (hum) caused from wind turbines may cause ongoing disturbance to nearby residents	Υ	Υ	Υ	Υ	Yes	Yes	Project Specific	Yes	Key Issue + CIA + Focussed Engagement	Noise assessment	
AMENITY	visual	Likely	Wind turbines will be visible - visual disturbance likely to be an issue expressed by neighbouring property owners, and from local residents or regular visitors to points of public interest, public viewpoints or places of community value	Y	Y	Y	Y	Yes	Yes	Project Specific	Yes	Key Issue + CIA + Focussed Engagement	Landscape character and visual impact assessment	
	odour	Unlikely	Wind turbines and the supporting infrastructure do not generate odour	N	N	N	N	No	No	Standard	No	Other Issue	Other issues	
	microclimate other - please specify	n/a										No assessment necessary - Worksheet only	Other issues	
	access to property	Likely	During construction, transport of materials and equipment may disrupt travel on public roads. May require some road upgrades which require management of traffic. Access within properties may be disrupted during construction. Transmission line construction may impact on access to properties (including mines) during construction, requiring night time work.	Y	Y	Y	Y	Yes	Yes	Project Specific	Yes	Key Issue + CIA + Focussed Engagement	Traffic and transport	
ACCESS	utilities	Unlikely	Not likely to impact on existing access to utilities. Possibly disruption if existing utilities need relocating as a result of turbines (highly unlikely due to location) or road upgrades (possible).	?	N	N	?	Unknown	No	Standard	No	Other Issue	Project description	
	road and rail network	Likely	Transport of equipment may disrupt traffic movements along public roads temporarily. Appropriate approvals for oversized vehicles to be obtained. Transmission line construction may impact on roads during construction, requiring night time work.	Y	Y	Y	Y	Yes	Yes	Project Specific	Yes	Key Issue + CIA + Focussed Engagement	Traffic and transport	
	offsite parking other - please specify	Unlikely	Parking of transport vehicles and construction vehicles would be on site where practical, intent is for permenant on site access tracks be used during construction.	?	N	?	N	Unknown	No	Standard	No	Other Issue	Traffic and transport	
	public domain	Unlikely	Not directly impacting on public domain within townships. Potential for impacts of transport route to southern parts of Coolah. Views captured above.	N	N	N	N	No	No	Standard	No	Other Issue	NA	
	public domain	Likely	Opportunities for community investment may contribute to and will likely target social infrastructure and community facilities in nearby towns											
BUILT ENVIRONMENT	public infrastructure	Likely	Vocational training schemes may build capacity of local tertiary training institutions through partnering and collaboration											
	public infrastructure	Unlikely	Possible impact on bridges if not in structurally sound condition. Upgrades of local roads are likely to be required.	Y	Y	N	?	Yes	Yes	Standard	No	Other Issue + CIA	Traffic and transport	
	other built assets	Unlikely	No other built assets are impacted by the proposal. Potentially some fences and farm infrastructure (water tanks and toughs) may be impacted. But would be replaced.	?	N	N	?	Unknown	Unknown	Standard	No	Other Issue + CIA	Socio-economic, Project description	
	other - please specify natural	Unlikely	No significant identified landscape heritage in areas of turbines.	?	N	N	?	Unknown	Yes	Standard	No	Other Issue + CIA		
	cultural	Unlikely	Potential for transmission line to traverse natural heritage (parks). No sites identified in initial review (Red Flags Report). Items	N	N	?	?	Unknown	Unknown	Standard	Yes	Other Issue + CIA + Focussed Engagement	Visual Impact, Historic heritage	
HERITAGE HERITAGE	Aboriginal cultural	Likely	identified within close proximity to the buffer 5km radius. Disturbance associated with construction has the potential to impact on known or unknown items of Aboriginal heritage value. Impacts on Aboriginal cultural heritage sites or otherwise culturally significant places, may generate flow-on effects on community cohesion and Aboriginal support for the project, for persons residing locally and elsewhere	?	Y	Υ	Y	Yes	Yes	Project Specific	Yes	Key Issue + CIA + Focussed Engagement	Historic heritage Aboriginal Heritage	
roposal	built	Unlikely	No listed heritage items within project. Heritage items are identified within proximity to the site.	N	N	N	N	No	No	Standard	No	Other Issue	Historic heritage	
<u>σ</u> .	other - please specify													

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appropri	Social and environmental matters I.e. natural or human assets or values aggregated at the level most appropriate for informing management and assessment requirements Click on the matter for a description, or the link above for full glossary		Without any mitigatio n, is the proposal likely to impact on the matter? (Select from list)	If there is a 'likely' impact: 1. list the activities expected to cause the impact; and 2. if applicable, list the receptor being impacted and its status. E.g. construction noise will be heard at nearby school If 'unlikely', briefly explain why. Has the impact been actively avoided through project design or site location? (Manual entry)	Is the impact, without mitigation, expected to cause a material effect with regard to its (Answer 'Y', 'N' or '?') Click on characteristic for description or the link above for further details 2		al effect	Does the impact need assessment in the EIS?		What safeguards and management measures are expected to be required to address the	impact or activity?	Expected level of assessment and/or engagement required (Auto fills)	Relevant section in Scoping Report (Manual entry)	
at does th		health		Feedback from community indicates a positive response to project and flow on effects associated with new investment and employment.	N	?	N	?	Unknown	No	Standard	Yes	Other Issue + Focussed Engagement	Socio-economic and community consultation
What		safety	Likely	An increase in heavy vehicle traffic during construction may impact the community's regular use of the local road network and may cause issues of public safety	Υ	Y	Υ	Υ	Yes	Yes	Project Specific	Yes	Key Issue + CIA + Focussed Engagement	Traffic and transport study
		safety	Likely	Construction may involve activities that have ignition risks during bushfire season including along access tracks	Υ	Y	Υ	Υ	Yes	Yes	Project Specific	Yes	Key Issue + CIA + Focussed Engagement	hazard and risk, emergency response
		services and facilities	Likely	Opportunities for community investment leading to improved and sustainable socio-economic outcomes in the local area through community benefit-sharing program										
	COMMUNITY	services and facilities	Likely	An increase in resourcing and supports to local council(s) through community investment program(s) and/or funding may build capacity of administration and improve service provision over time										
		cohesion, capital and resilience	Likely	Local Aboriginal targeted engagement in project's economic opportunities may advance socio-economic conditions and capabilities at individual, household and community levels										
		cohesion, capital and resilience	Likely	Opportunities for community to contribute to standard setting for renewables sector, bringing about community pride and social cohesion										
		cohesion, capital and resilience	Likely	The incoming construction workforce may affect community cohesion by altering the local demography in nearby towns	Υ	Y	Υ	?	Yes	Yes	Project Specific	Yes	Key Issue + CIA + Focussed Engagement	Social impact study and CSEP
		housing	Likely	The incoming construction workforce may affect the local housing supply and local infrastructure and services, especially if relocating with dependents/families; temporary housing may be required for workers	Υ	Y	Υ	Y	Yes	Yes	Project Specific	Yes	Key Issue + CIA + Focussed Engagement	Social impact study and CSEP
		other - please specify natural resource use	Likely	Project establishment may cause land use conflict if positioning of wind turbines, transmission lines and ancillary infrastructure is perceived to be competing with or replacing agricultural land (grazing and cropping)	Υ	Y	Y	Y	Yes	Yes	Project Specific	Yes	Key Issue + CIA + Focussed Engagement	Social impact study and CSEP and land access
		livelihood	Likely	Income generation and livelihood diversification for property owners hosting critical project infrastructure may improve resilience and income diversification										
		livelihood	Likely	Large number of employment opportunities through the construction and operations targeting local communities to diversify industries and improve technical expertise, bringing about increased economic capital at individual, household and community levels										
		livelihood	Likely	Vocational training and skills development through construction and operations targeting local communities can diversify skill sets bringing about increased human capital at individual, household and community levels										
		opportunity cost	Likely	Business opportunities through the supply chain, goods and services provision and contractor opportunities through the construction and operations targeting local businesses and service providers will stimulate the local economies, diversify industries, and increase financial flow in the local area, additional income streams, bringing about enhanced economic capital at the individual, household and community levels										
		opportunity cost	Likely	Local income-generation from engagements with the project may lead to social disparities between community subgroups if excluded	Υ	Y	Y	Y	Yes	Yes	Project Specific	Yes	Key Issue + CIA + Focussed Engagement	Social impact study and CSEP
		other - please specify particulate matter	Likely	Construction of access and hardstands in dry and windy conditions may generate airborne dust	Υ	N	?	?	Unknown	Yes	Standard	No	Other Issue + CIA	Air quality
	AIR	gases	Unlikely	Main sources of emissions would be associated with plant, equipment and vehicles. As a result of this, emissions are likely to be temporary innature and low in volume.	N	N	N	N	No	No	Standard	No	Other Issue	NA
		atmospheric emissions	Unlikely	Main sources of emissions would be associated with plant, equipment and vehicles. As a result of this, emissions are likely to be temporary in nature and low in volume. Wind energy generation generates low emissions during operation.	N	N	N	N	No	No	Standard	No	Other Issue	NA
		other - please specify			·									

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ıment?	DIODIVEDSITY	native vegetation	Likely	There is potential to disturb or require clearing of native vegetation and EEC's for turbines and associated infrastructure (including access tracks and hard stands).	Y	Y	Y	Υ	Yes	Yes	Project Specific	Yes	Key Issue + CIA + Focussed Engagement	Biodiversity
nviron	BIODIVERSITY	native fauna	Likely	Potential to impact on threatened species and habitats - eg birds and bats.	Υ	Υ	Υ	Υ	Yes	Yes	Project Specific	Yes	Key Issue + CIA + Focussed Engagement	Biodiversity
raler		other - please specify												
r the natu		stability and/or structure	Unlikely	Potential for earthworks associated with access tracks and hardstand to impact on soil stability - engineering solutions subject to detailed design.	N	N	?	?	Unknown	No	Standard	No	Other Issue	Soils
sal mean fo		soil chemistry	Unlikely	Potential for earthworks associated with access tracks and hardstand to impact on soil stability - engineering solutions, including drainage to be designed.	N	N	?	?	Unknown	Unknown	Standard	No	Other Issue + CIA	Soils
e propo		capability	Unlikely	Land remains capable for grazing, decommissioning program provides for returning land to current state	N	N	N	N	No	Unknown	Standard	No	Other Issue + CIA	Soils and land use
What does the		topography	Unlikely	Topography may be altered for access - engineering solutions to be designed. Location of substations and O+M facilities to be determined	N	N	N	Y	No	No	Standard	No	Other Issue	Soils and land use
		other - please specify												Sons and land use
		water quality	Likely	Construction and clearance without mitigation may generate sediment, potentially impacting on watercourses.	?	N	?	?	Unknown	Unknown	Standard	No	Other Issue + CIA	Water
	WATER	water availability	Unlikely	Physical works not likely to impact on water availability to current users or receiving environments.	N	N	N	N	No	No	Standard	Yes	Other Issue + Focussed Engagement	Water
	WATER	hydrological flows	Likely	Drainage required for access roads. Mostly high ground and unlikely to impact on catchments.	?	N	N	?	Unknown	No	Standard	No	Other Issue	Water
		Water usage	Likely	Use of water as part of contruction and operation. Water would be required for concrete and dust suppression. Water sources to be confirmed	?	N	?	?	Unknown	Unknown	Standard	No	Other Issue + CIA	Water
		coastal hazards	n/a										No assessment necessary - Worksheet only	NA
		flood waters	Unlikely	Drainage required for access roads. Mostly high ground and unlikely to impact on catchments.	?	?	?	?	Unknown	Unknown	Standard	No	Other Issue + CIA	Water
s the proposal face?	RISKS	bushfire	Likely	associated infrastructure. New access tracks improve access for bushfire response.	Y	Y	Y	Y	Yes	Yes	Project Specific	Yes	Key Issue + CIA + Focussed Engagement	Hazard and risk
does		undermining	n/a	No underground tunnelling or mining proposed.										
risks		steep slopes	Likely	Construction is on sloping terrain. Access tracks and selection of routes to minimise steep land impacts.	Y	N	N	Υ	Yes	No	Standard	No	Other Issue	Soils and Risk
What		Climate Change and GHG	Unlikely	Risk assessment to be prepared. Main sources of emissions would be associated with plant, equipment and vehicles. As a result of this, emissions are likely to be temporary in nature and low in volume. Wind energy generation generates low emissions during operation.	N	N	N	N	No	No	Standard	No	Other Issue	Climate change and GHG
		other - please specify												